

**Volume I: Preliminary Geotechnical
Engineering Report**

Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana

for

**Louisiana Office of Coastal Protection
and Restoration (OCPR)**

August 8, 2011



PRELIMINARY

Volume I: Geotechnical Investigation Data Report

Lost Lake Marsh Creation and Hydrologic Restoration
Project (TE-72)
Terrebonne Parish, Louisiana

for

Office of Coastal Protection and Restoration

August 8, 2011



11955 Lakeland Park Boulevard, Suite 100
Baton Rouge, Louisiana 70809
225.293.2460

PRELIMINARY

Volume I: Geotechnical Investigation Data Report Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana

LDNR Contract No. 2503-11-67, Task No. 4

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August 8, 2011

Prepared for:

Louisiana Office of Coastal Protection and Restoration (OCPR)
450 Laurel Street
Suite 1200, Chase Tower North
Baton Rouge, Louisiana 70801

Attention: Travis Byland, EI

Prepared by:

GeoEngineers, Inc.
11955 Lakeland Park Boulevard, Suite 100
Baton Rouge, Louisiana 70809
225.293.2460

PRELIMINARY

Venu Tammineni, PE, LEED AP
Geotechnical Engineer

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Charles L. Eustis, PE
Principal

VT:CLE:lb

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PRELIMINARY

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Containment Dike Calculations

Earthen Terrace Calculations

INTRODUCTION

This report provides geotechnical engineering data for the Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) and in accordance with the scope of services presented in the Office of Coastal Protection and Restoration (OCPR) request dated March 22, 2011, and our proposal dated March 29, 2011. The main body of the data report contains site plans with soil boring locations and provided transect layout maps, field and laboratory data, and interpreted geotechnical subsurface profiles. A description of our field investigation is in Appendix I-B along with individual boring logs. All elevations are referenced to the North American Vertical Datum of 1988 (NAVD 88).

PROJECT UNDERSTANDING

Our understanding of the project is based on the information provided in our proposal dated March 29, 2011, and subsequent communications with OCPR.

The proposed project is estimated to create approximately 465 acres of marsh between Lake Pagie and Bayou Decade, north of Bayou Decade, and along the northwestern Lost Lake Shoreline. In addition, 30,000 linear feet (26 acres) of terraces will be constructed to reduce fetch in an area of deteriorated marsh. Eight (8) water control structures have been proposed to be replaced with variable-crest structures to increase freshwater flow into surrounding marshes. As shown on Figure I-2, the project features include:

- Earthen Containment Dikes: Construction of earthen dikes to contain approximately 465 acres of newly created marsh.
- Marsh: Creation of approximately 465 acres of marsh habitat by using a hydraulic dredge to pump dredged material from the Lost Lake borrow site (Borings B-6, and B-8 through B-10) into the marsh fill area.
- Earthen Terraces: Construction of approximately 30,000 linear feet (26 acres) of terraces to reduce fetch in an area of deteriorated marsh.
- Variable Crest Weirs: Construction of variable crest weirs to replace eight (8) water control structures to increase freshwater flow into surrounding marshes.

SITE CONDITIONS

The project vicinity and soil boring locations are shown on Figures 1 and 2, respectively. The Appendix I-B, *Field Exploration and Boring Logs*, describes particulars of our exploration. Highlights are discussed in the following paragraphs.

Twenty soil borings were performed in 0 to 10 feet of water and extended to a depth varying from approximately 20 to 60 feet below existing mudline. Soil boring location details are provided in the table below. Continuous sampling was performed for the full depth of the boring and the top 25 feet was backfilled with cement-bentonite grout.

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Table 1: Soil Boring Information

Boring No.	Total Depth of boring (Below Mudline) (feet)	Latitude (as-built boring location*)	Longitude (as-built boring location*)
1	50	N29° 19´ 02.0"	W91° 05´ 27.0"
2	50	N29° 21´ 13.5"	W91° 06´ 50.4"
3	50	N29° 21´ 39.4"	W91° 06´ 33.3"
4	50	N29° 21´ 27.5"	W91° 06´ 18.4"
5	50	N29° 21´ 32.7"	W91° 06´ 00.8"
6	20	N29° 21´ 19.6"	W91° 04´ 27.2"
7	40	N29° 21´ 27.5"	W91° 04´ 20.7"
8	20	N29° 20´ 25.7"	W91° 02´ 14.6"
9	20	N29° 19´ 57.4"	W91° 02´ 05.6"
10	20	N29° 20´ 16.2"	W91° 01´ 42.7"
11	40	N29° 21´ 16.1"	W91° 59´ 54.3"
12	40	N29° 21´ 21.9"	W91° 59´ 25.9"
13	40	N29° 21´ 49.5"	W90° 59´ 14.1"
14	40	N29° 21´ 32.8"	W90° 59´ 47.4"
15	40	N29° 21´ 54.7"	W91° 58´ 58.0"
16	60	N29° 21´ 37.0"	W91° 00´ 05.0"
17	40	N29° 21´ 29.0"	W91° 00´ 20.0"
18	40	N29° 21´ 37.0"	W91° 01´ 00.0"
19	50	N29° 23´ 14.1"	W91° 01´ 49.5"
20	50	N29° 23´ 37.2"	W91° 02´ 09.4"

*Due to access issues and existing pipelines, borings were drilled as close to the surveyed locations as practical with the equipment available. Survey was performed by TBS prior to drilling borings and coordinates might vary at some locations from the as-builts.

Each semi-cohesive and cohesive sample was subjected to a laboratory mini vane test prior to extrusion. Upon extrusion, each sample was examined to confirm or modify field classifications. Representative samples were selected for laboratory testing consisting of moisture content, dry unit weight, unconfined compression, unconsolidated undrained compression, sieve analysis, consolidation testing and Atterberg limits. The test results are presented on the boring logs and figures included in Appendix I-B and Appendix I-C, respectively.

Testing and reports, titled "Sediment Geotechnical Properties and Settling Properties of Sediment" were completed by the Department of Civil and Environmental Engineering at Louisiana State University. Soil samples required to perform settling column test and self weight consolidation tests were prepared from borings B-6, 8, and 9, and the test results are presented in Appendix I-C.

LIMITATIONS

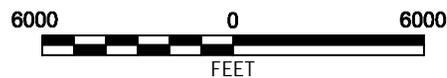
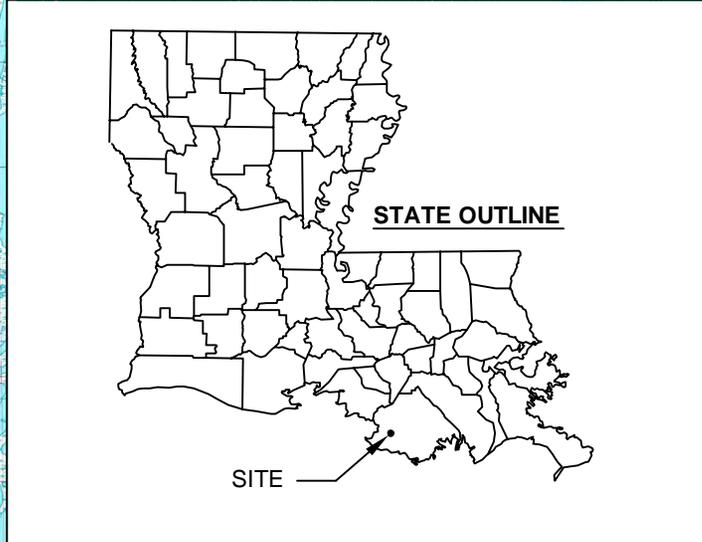
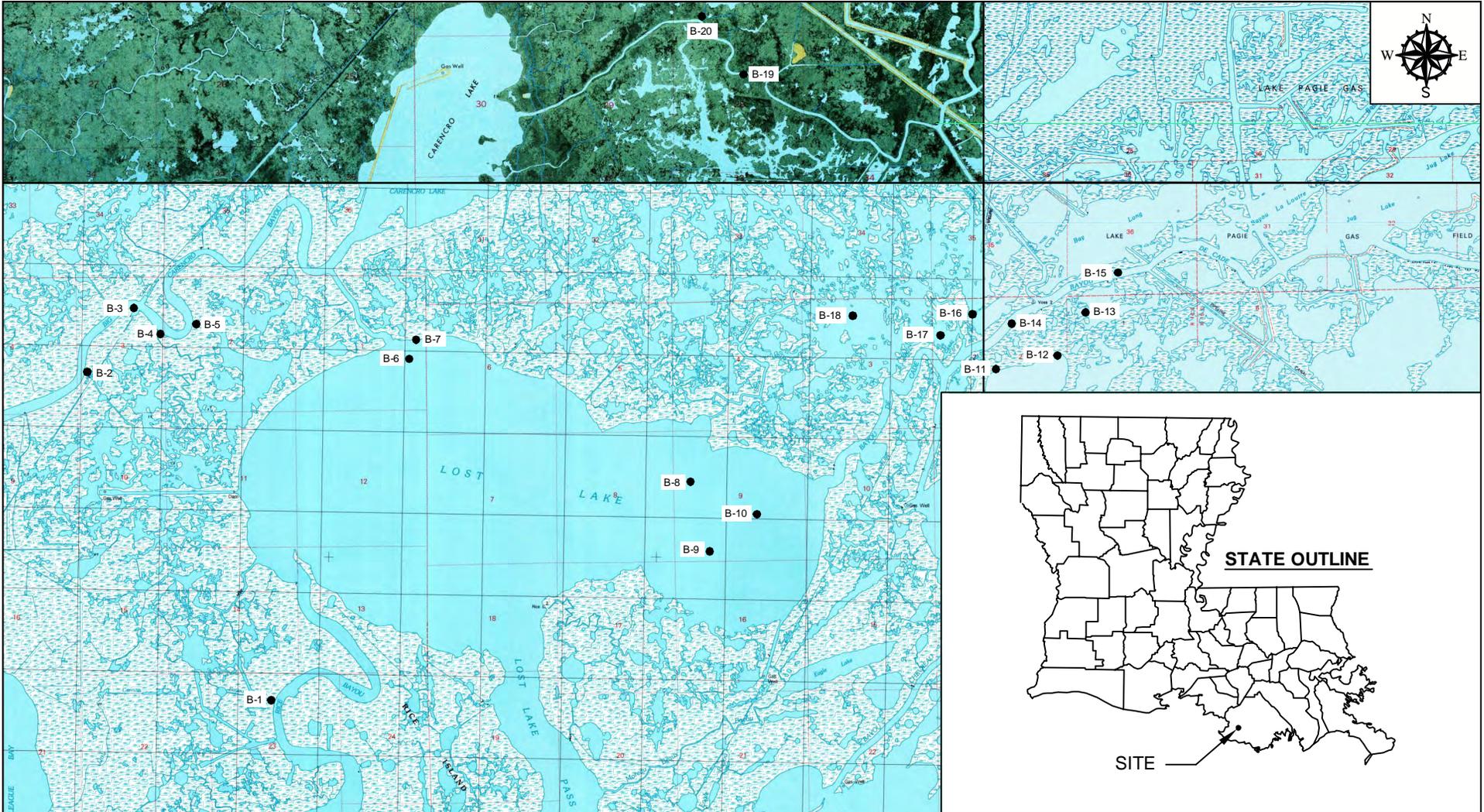
The information presented in this report is based on the soil borings and soil testing completed for this study, and judgments made by the certifying engineers. This report is specific to this site and should not be used other than for the design of the Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) in Terrebonne Parish, Louisiana. We have provided the requested information for the geotechnical investigation data report in Volume I. Detailed engineering report and other project related information are provided in Volumes II and III, respectively.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted practices in the field of geotechnical engineering in this area at the time this report was prepared. No warranty or other conditions express or implied should be understood.

Please refer to Volume II, Appendix II-D titled "Report Limitations and Guidelines for Use" for additional information pertaining to use of this report.

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FIGURES



LEGEND

● B-1 Borehole Location

Note:
The locations of all features shown are approximate.

Reference: Topographic map taken from USGS, Quad 24K, LA_Carencro_Bayou, Dated 1980
 Topographic map taken from USGS, Quad 24K, LA_Lost_Lake, Dated 1998
 Topographic map taken from USGS, Quad 24K, LA_Lake_Penchant, Dated 1994
 Topographic map taken from USGS, Quad 24K, LA_Lake_Merchant, Dated 1994

VICINITY MAP

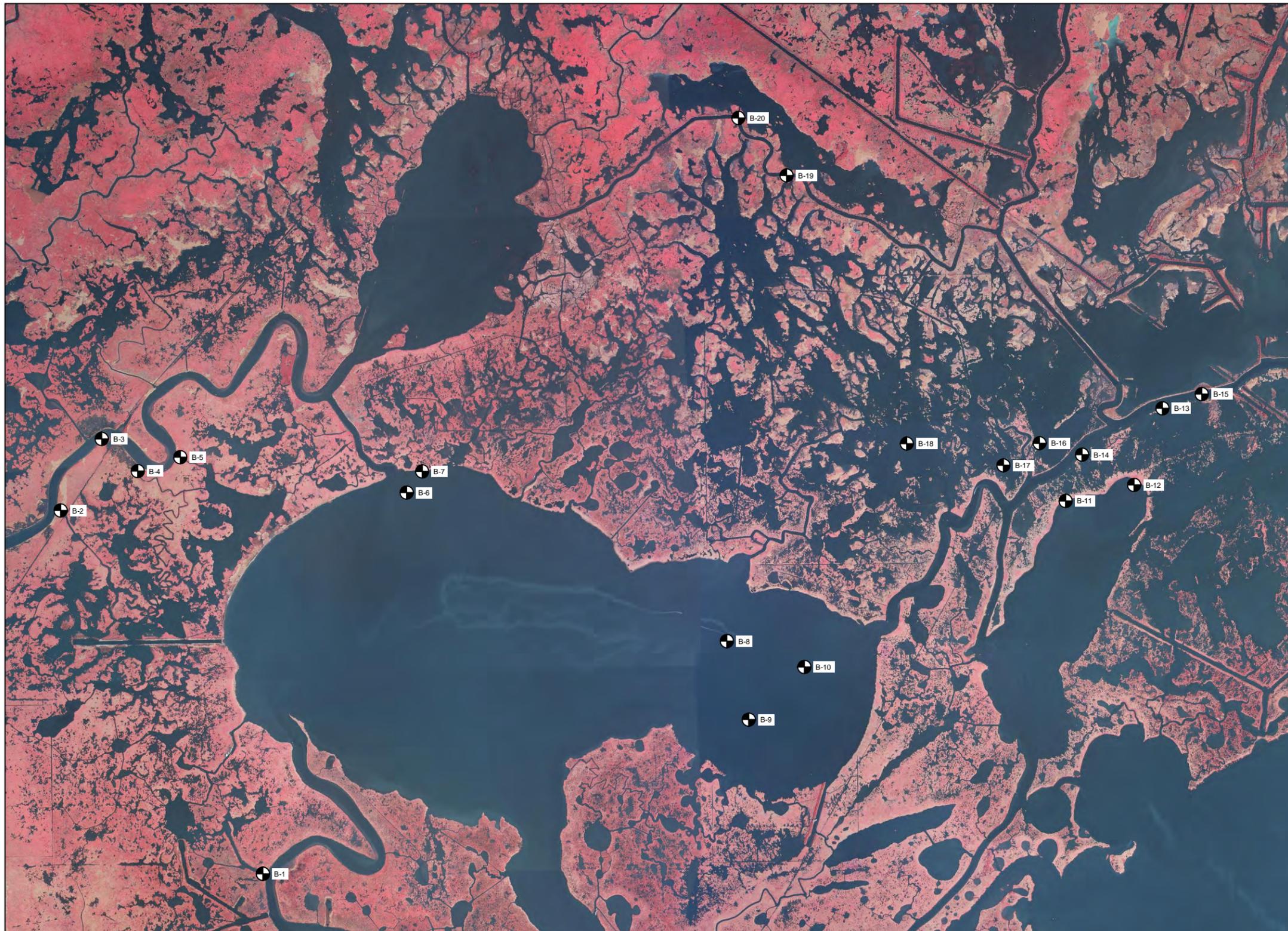
Lost Lake Marsh Creation and Hydrologic
 Restoration Project (TE-72)
 Terrebonne Parish, Louisiana



Figure I-1

VT: KMC

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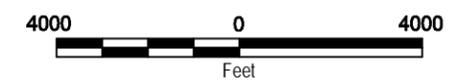


BOREHOLE DETAILS			
BOREHOLE #	LATITUDE	LONGITUDE	TOTAL DEPTH (FT)
B-1	N29° 19' 02.0"	W91° 05' 27.0"	50
B-2	N29° 21' 13.5"	W91° 06' 50.4"	50
B-3	N29° 21' 39.4"	W91° 06' 33.3"	50
B-4	N29° 21' 27.5"	W91° 06' 18.4"	50
B-5	N29° 21' 32.7"	W91° 06' 00.8"	50
B-6	N29° 21' 19.6"	W91° 04' 27.2"	20
B-7	N29° 21' 27.5"	W91° 04' 20.7"	40
B-8	N29° 20' 25.7"	W91° 02' 14.6"	20
B-9	N29° 19' 57.4"	W91° 02' 05.6"	20
B-10	N29° 20' 16.2"	W91° 01' 42.7"	20
B-11	N29° 21' 16.1"	W90° 59' 54.3"	40
B-12	N29° 21' 21.9"	W90° 59' 25.9"	40
B-13	N29° 21' 49.5"	W90° 59' 14.1"	40
B-14	N29° 21' 32.8"	W90° 59' 47.4"	40
B-15	N29° 21' 54.7"	W90° 58' 58.0"	40
B-16	N29° 21' 37.0"	W91° 00' 05.0"	60
B-17	N29° 21' 29.0"	W91° 00' 20.0"	40
B-18	N29° 21' 37.0"	W91° 01' 00.0"	40
B-19	N29° 21' 14.1"	W91° 01' 49.5"	50
B-20	N29° 21' 37.2"	W91° 02' 09.4"	50

*Due to access issues and existing pipelines, borings were drilled as close to the surveyed locations as practical with the equipment available

LEGEND

● B-1 Borehole Location



Notes:
 1. The locations of all features shown are approximate.
 2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. can not guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
 Reference: Aerial Image provided by OCPR, 20-503_lost lake orthos2.jpg, Dated 3/10/2011

**SITE PLAN WITH
SOIL BORING LOCATIONS**

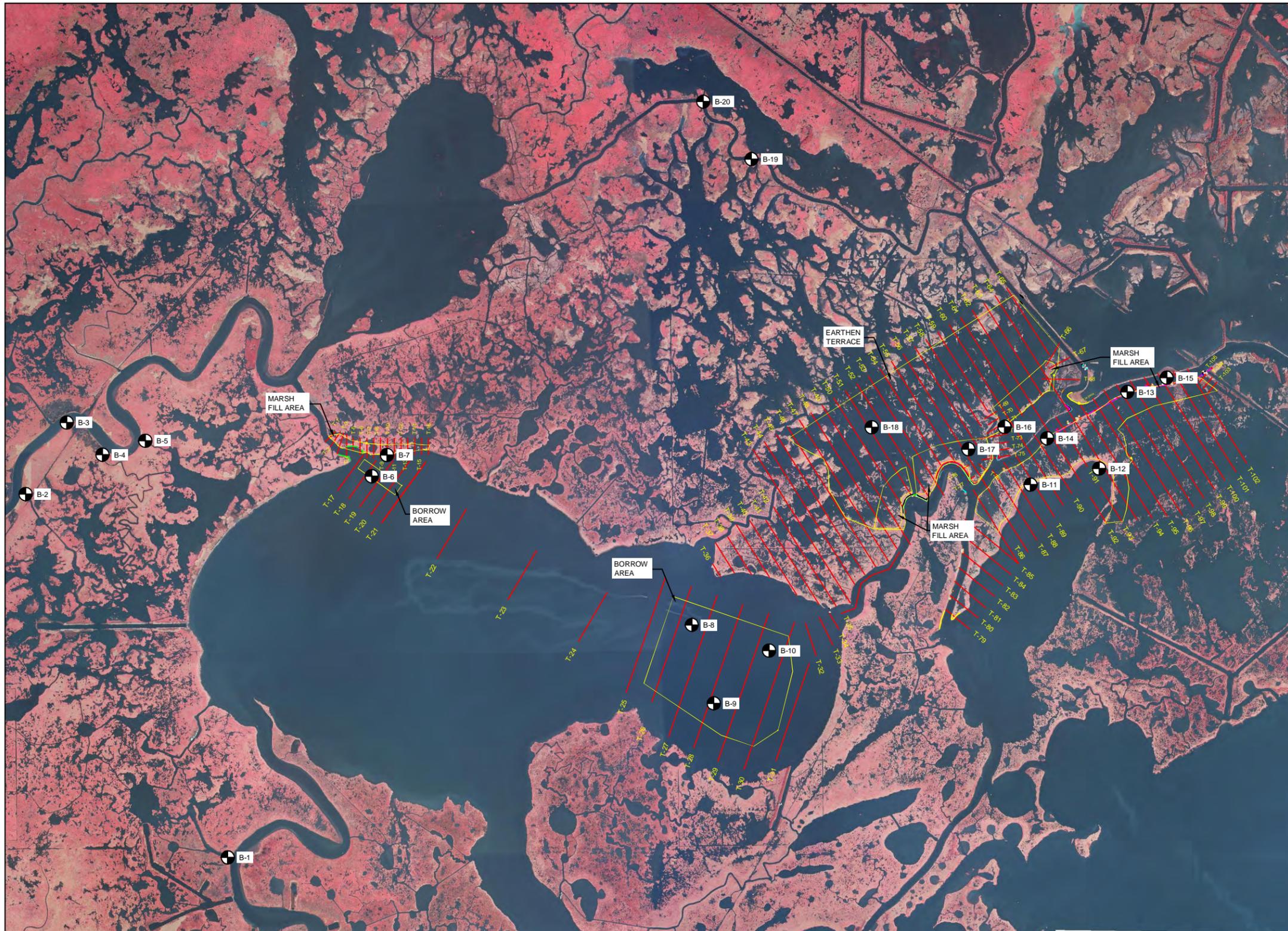
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana

GEOENGINEERS 

Figure I-2

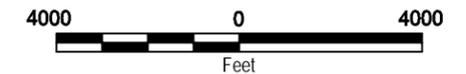
VT: KMC

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LEGEND

● B-1 Borehole Location



**SITE PLAN WITH
TRANSECT LAYOUT MAP**

Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana

Notes:
1. The locations of all features shown are approximate.
Reference: Aerial Image provided by OCP, 20-503_lost lake orthos2.jpg, Dated 3/10/2011



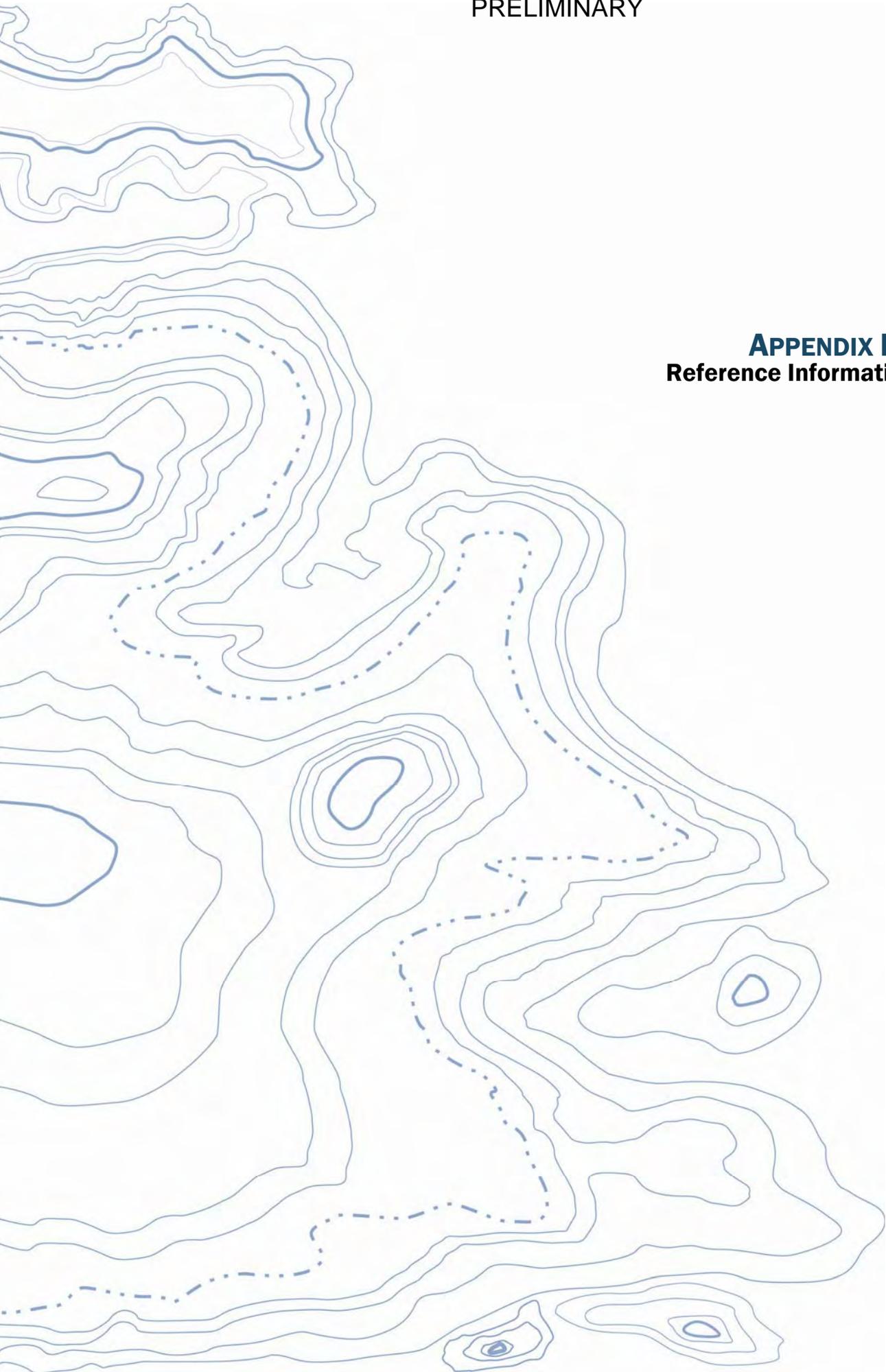
Figure I-3

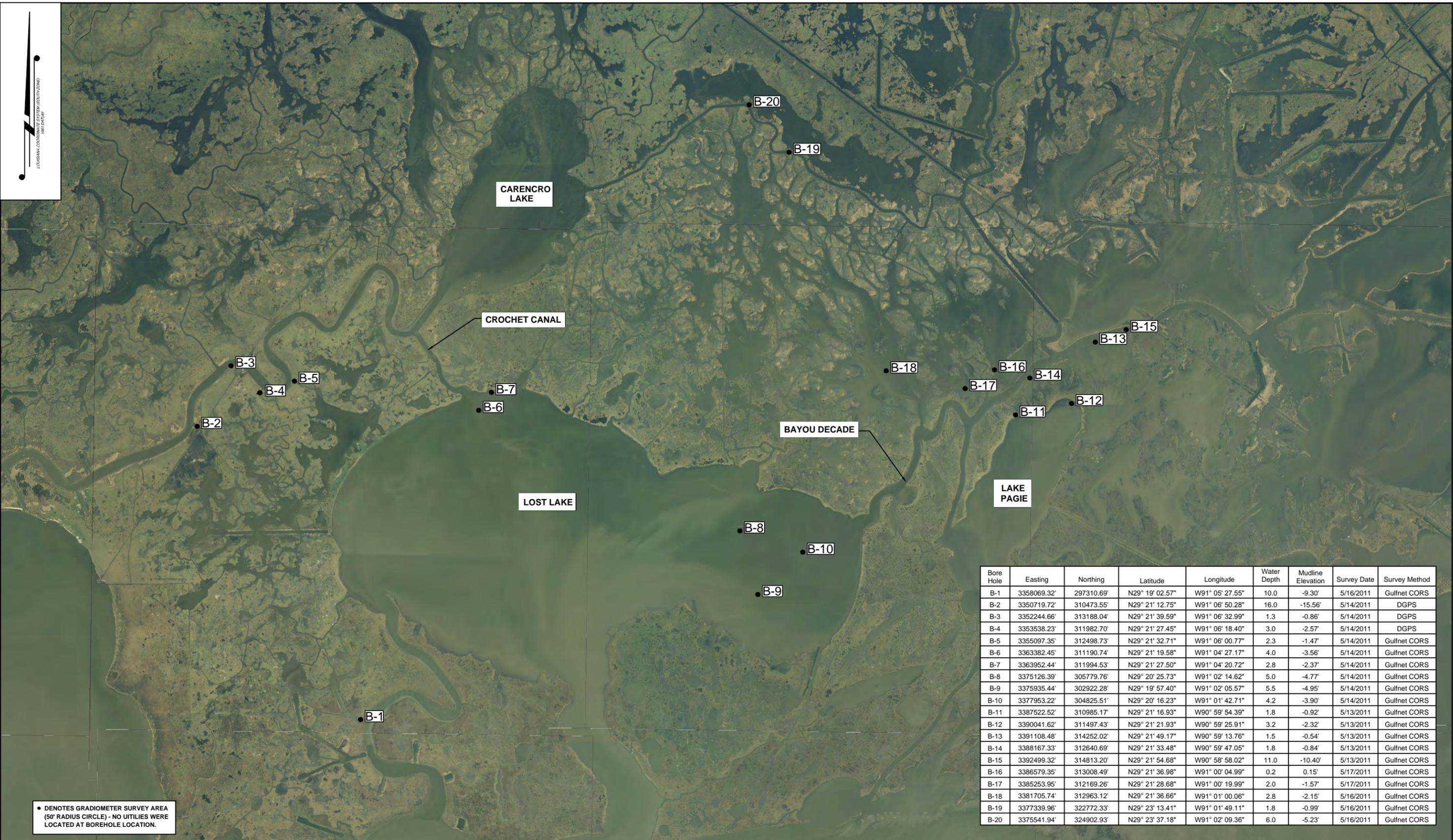
PRELIMINARY

APPENDICES

PRELIMINARY

APPENDIX I-A
Reference Information



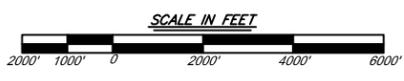


● DENOTES GRADIOMETER SURVEY AREA (50' RADIUS CIRCLE) - NO UTILITIES WERE LOCATED AT BOREHOLE LOCATION.

Bore Hole	Easting	Northing	Latitude	Longitude	Water Depth	Mudline Elevation	Survey Date	Survey Method
B-1	3358069.32'	297310.69'	N29° 19' 02.57"	W91° 05' 27.55"	10.0	-9.30'	5/16/2011	Gulfnet CORS
B-2	3350719.72'	310473.55'	N29° 21' 12.75"	W91° 06' 50.28"	16.0	-15.56'	5/14/2011	DGPS
B-3	3352244.66'	313188.04'	N29° 21' 39.59"	W91° 06' 32.99"	1.3	-0.86'	5/14/2011	DGPS
B-4	3353538.23'	311982.70'	N29° 21' 27.45"	W91° 06' 18.40"	3.0	-2.57'	5/14/2011	DGPS
B-5	3355097.35'	312498.73'	N29° 21' 32.71"	W91° 06' 00.77"	2.3	-1.47'	5/14/2011	Gulfnet CORS
B-6	3363382.45'	311190.74'	N29° 21' 19.58"	W91° 04' 27.17"	4.0	-3.56'	5/14/2011	Gulfnet CORS
B-7	3363952.44'	311994.53'	N29° 21' 27.50"	W91° 04' 20.72"	2.8	-2.37'	5/14/2011	Gulfnet CORS
B-8	3375126.39'	305779.76'	N29° 20' 25.73"	W91° 02' 14.62"	5.0	-4.77'	5/14/2011	Gulfnet CORS
B-9	3375935.44'	302922.28'	N29° 19' 57.40"	W91° 02' 05.57"	5.5	-4.95'	5/14/2011	Gulfnet CORS
B-10	3377953.22'	304825.51'	N29° 20' 16.23"	W91° 01' 42.71"	4.2	-3.90'	5/14/2011	Gulfnet CORS
B-11	3387522.52'	310985.17'	N29° 21' 16.93"	W90° 59' 54.39"	1.8	-0.92'	5/13/2011	Gulfnet CORS
B-12	3390041.62'	311497.43'	N29° 21' 21.93"	W90° 59' 25.91"	3.2	-2.32'	5/13/2011	Gulfnet CORS
B-13	3391108.48'	314252.02'	N29° 21' 49.17"	W90° 59' 13.76"	1.5	-0.54'	5/13/2011	Gulfnet CORS
B-14	3388167.33'	312640.69'	N29° 21' 33.48"	W90° 59' 47.05"	1.8	-0.84'	5/13/2011	Gulfnet CORS
B-15	3392499.32'	314813.20'	N29° 21' 54.68"	W90° 58' 58.02"	11.0	-10.40'	5/13/2011	Gulfnet CORS
B-16	3386579.35'	313008.49'	N29° 21' 36.98"	W91° 00' 04.99"	0.2	0.15'	5/17/2011	Gulfnet CORS
B-17	3385253.95'	312169.26'	N29° 21' 28.68"	W91° 00' 19.99"	2.0	-1.57'	5/17/2011	Gulfnet CORS
B-18	3381705.74'	312963.12'	N29° 21' 36.66"	W91° 01' 00.06"	2.8	-2.15'	5/16/2011	Gulfnet CORS
B-19	3377339.96'	322772.33'	N29° 23' 13.41"	W91° 01' 49.11"	1.8	-0.99'	5/16/2011	Gulfnet CORS
B-20	3375541.94'	324902.93'	N29° 23' 37.18"	W91° 02' 09.36"	6.0	-5.23'	5/16/2011	Gulfnet CORS

NOTES:
 1) All borehole positions were provided to T. Baker Smith, LLC by Geo Engineers. Some positions were relocated due to accessibility issues, proximity to pipelines, etc. All relocations were approved by Geo Engineers personnel.
 2) All borehole positions were determined by using GulfNet Continuously Operating Referencing Station (CORS) or Differential Global Positioning System (DGPS)
 3) All survey data was recorded in Louisiana South Zone (1702) NAD 83 feet.
 4) All elevations surveyed are in NAVD 88 feet.

DATE	REVISIONS	DRAWN BY	APPROVED BY

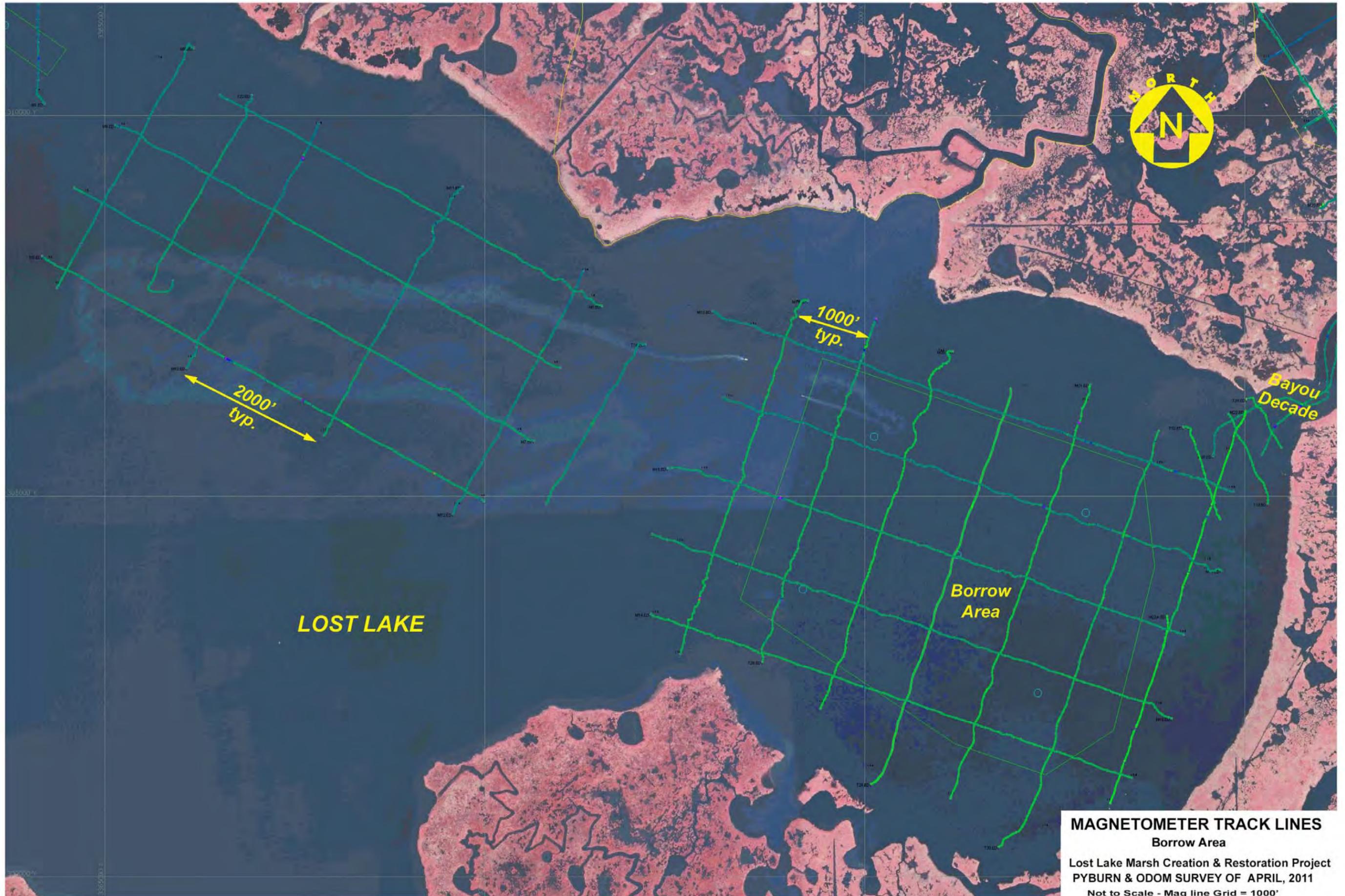


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 APPROVED: KDK
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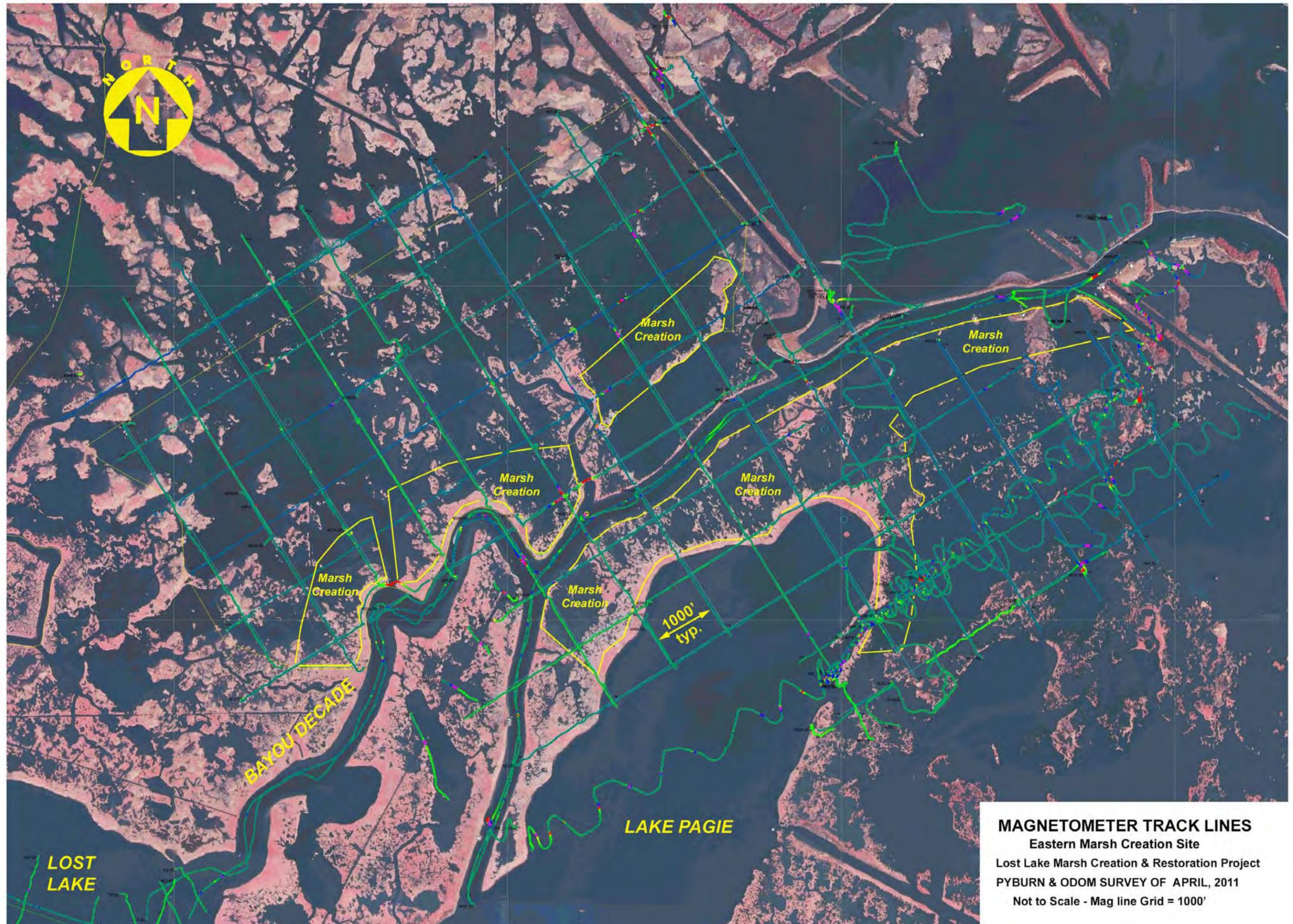
FINALIZED BORING LAYOUT WITH SURVEY DATA

LOST LAKE MARSH CREATION AND HYDROLOGIC RESTORATION PROJECT (TE-72) TERREBONNE PARISH, LOUISIANA

SHEET NO. **1** OF **1**



MAGNETOMETER TRACK LINES
Borrow Area
Lost Lake Marsh Creation & Restoration Project
PYBURN & ODOM SURVEY OF APRIL, 2011
Not to Scale - Mag line Grid = 1000'

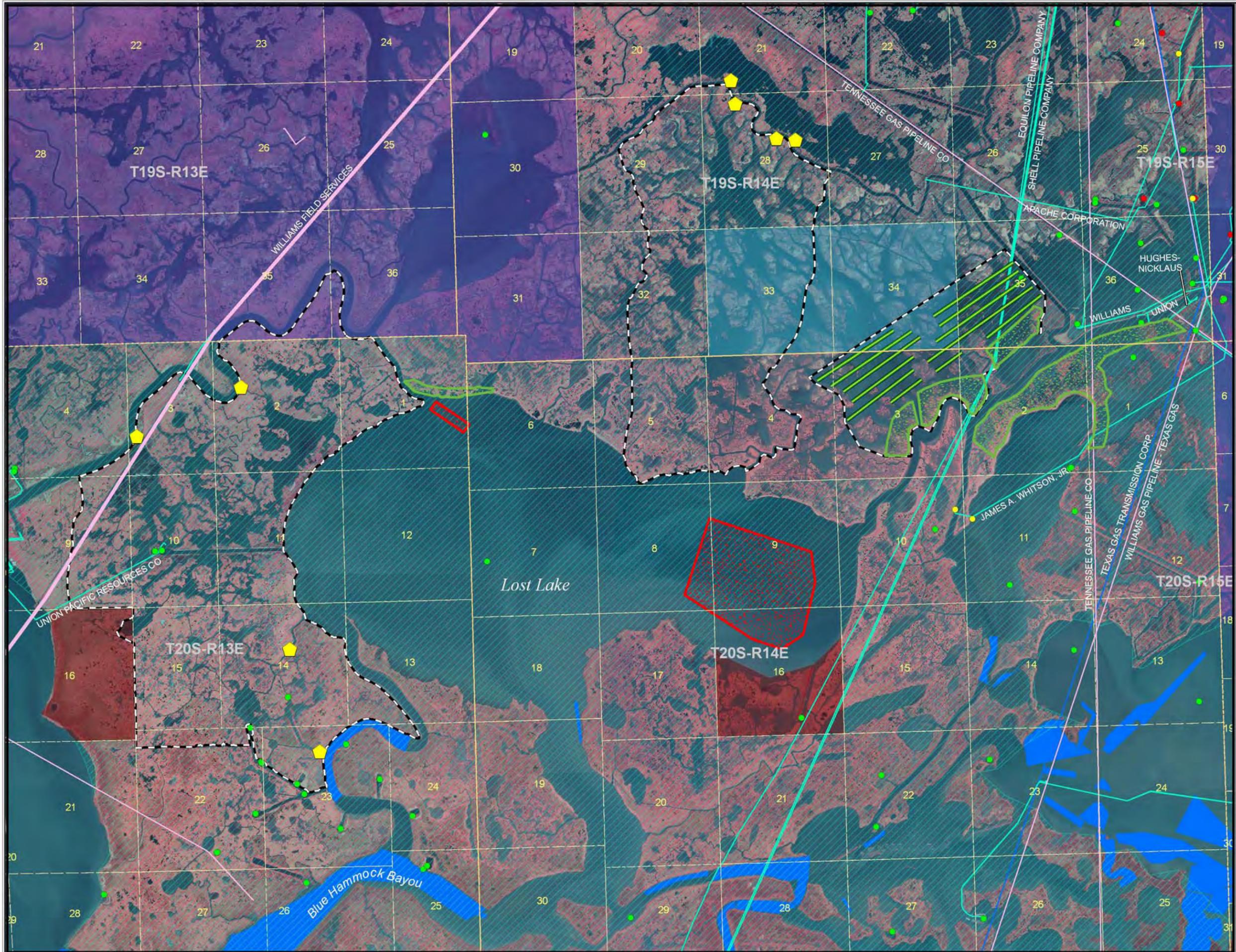


MAGNETOMETER TRACK LINES
Eastern Marsh Creation Site
Lost Lake Marsh Creation & Restoration Project
PYBURN & ODOM SURVEY OF APRIL, 2011
Not to Scale - Mag line Grid = 1000'

Exhibit A

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)

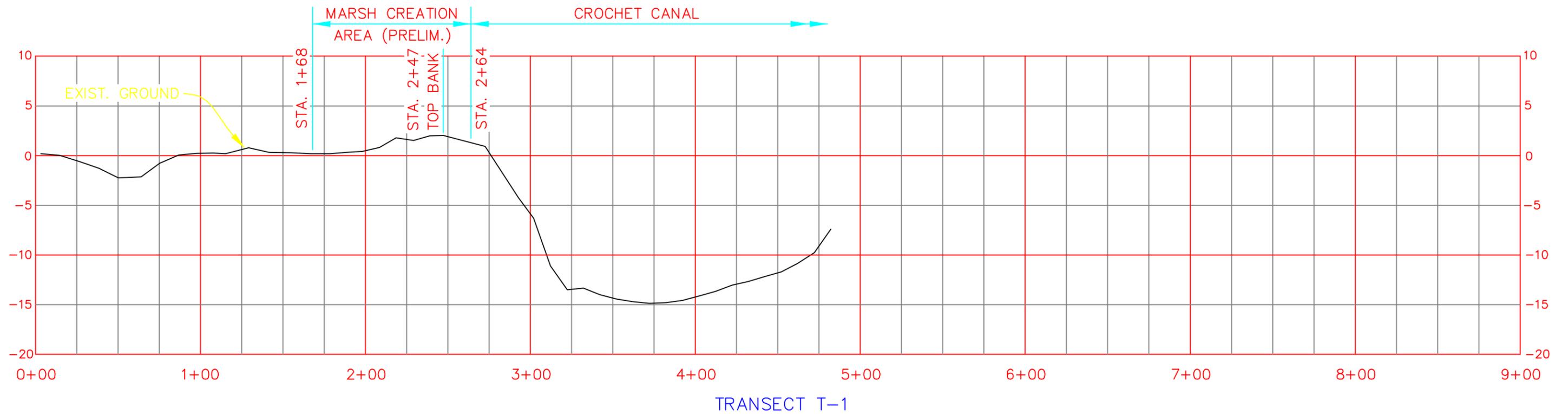
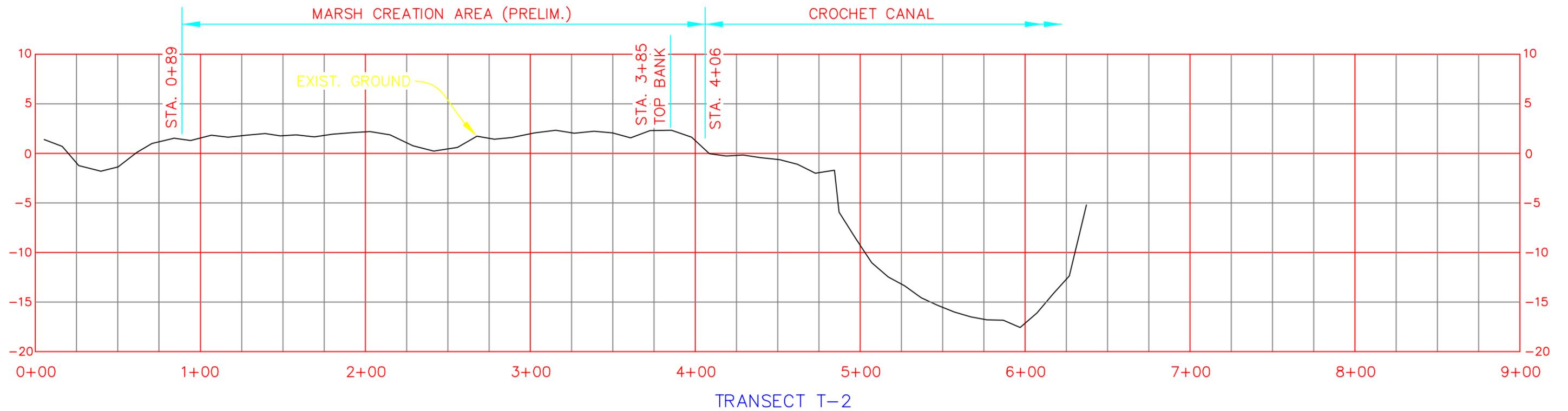
Terrebonne Parish, Louisiana



	Township/Range
	Section
TE-72 Proposed Boundary/Infrastructure	
	Project Boundary
	Marsh Creation
	Borrow Site
	Water Control Structure
	Terrace
Additional Infrastructure	
	Oyster Lease
	CMD Pipelines
	NPMS Pipelines
	LGS Pipelines
Wells	
	Active
	Orphan
	Other
	Shut-In
	Inactive
OWNER	
	Apache Louisiana Minerals Inc
	Steinberg, Julien et al
	Terrebonne School Board (Sec. 16)
	LL&E A wholly Owned Subsidiary of Burlington Resources Inc

All features are graphical representations only and may not reflect true location or dimension

Source: Office of Coastal Protection and Restoration
 Imagery: 2008 DOQQ
 Map Date: September 8, 2010
 File path: //2010040352



SCALE

HORZ. 1" = 60'
 VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
 OF
 LOST LAKE MARSH CREATION and
 HYDROLOGIC RESTORATION PROJECT
 PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

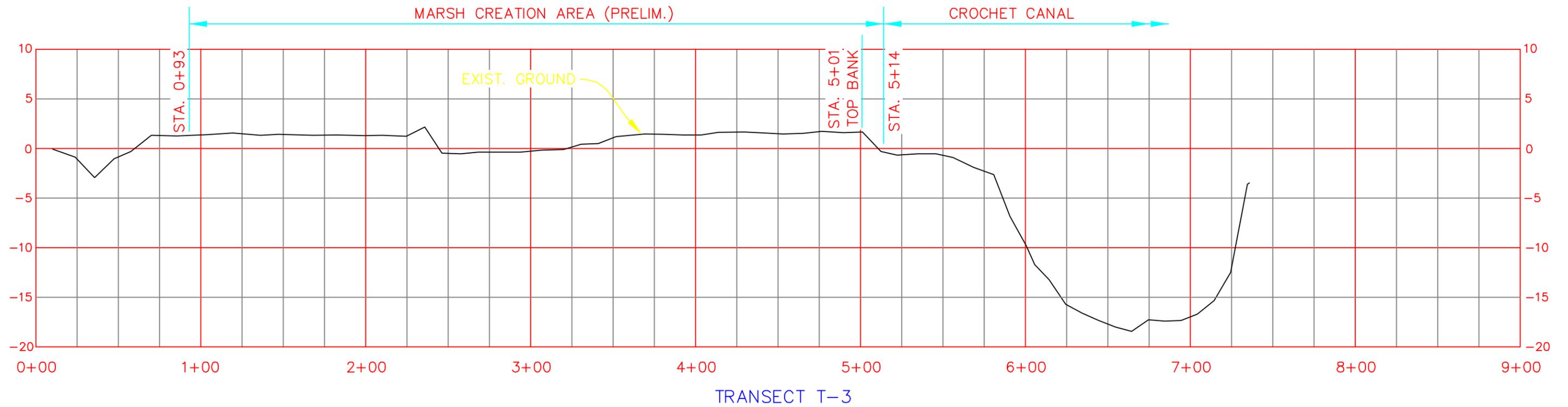
APPROVED BY:

SURVEY TRANSECTS

PROFILE

DATE: MAY, 2011

SHEET 9 OF 68



SCALE

HORZ. 1" = 60'
 VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



**OFFICE OF COASTAL PROTECTION & RESTORATION
 ENGINEERING BRANCH**
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O

DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
 OF
 LOST LAKE MARSH CREATION and
 HYDROLOGIC RESTORATION PROJECT
 PRE-CONSTRUCTION SURVEY

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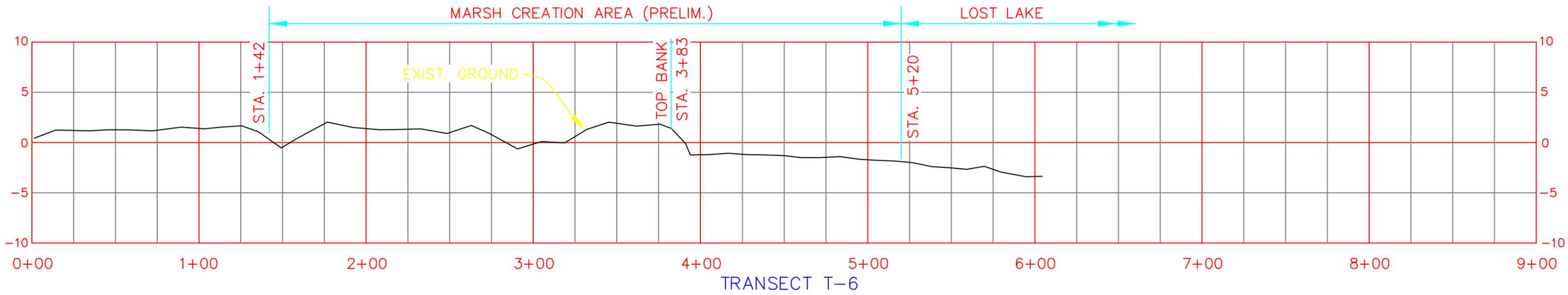
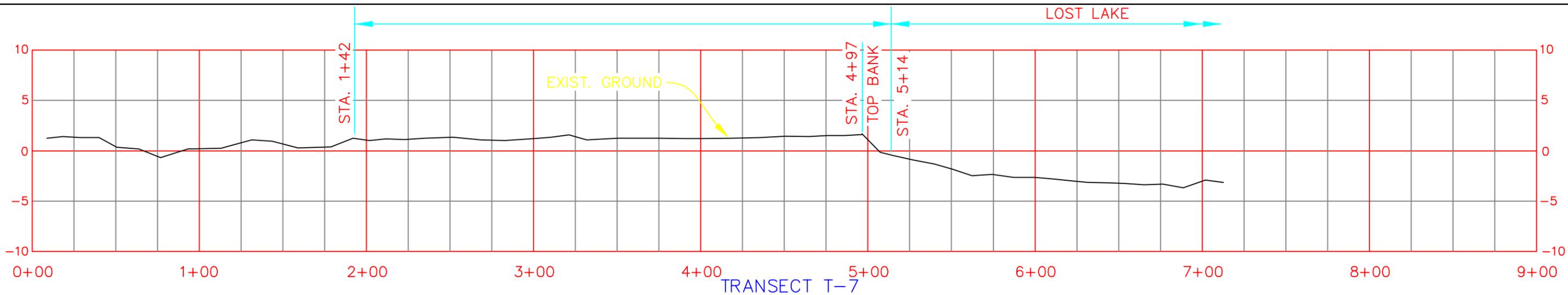
APPROVED BY:

SURVEY TRANSECTS

PROFILE

DATE: MAY, 2011

SHEET 10 OF 68



SCALE

HORZ. 1" = 60'
VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O

DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
OF
LOST LAKE MARSH CREATION and
HYDROLOGIC RESTORATION PROJECT
PRE-CONSTRUCTION SURVEY

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FEDERAL PROJECT NUMBER:

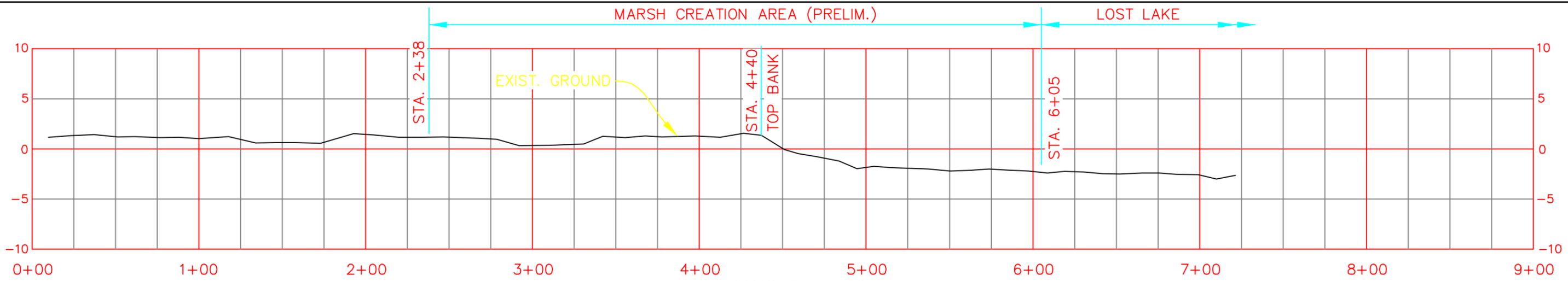
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SURVEY TRANSECTS

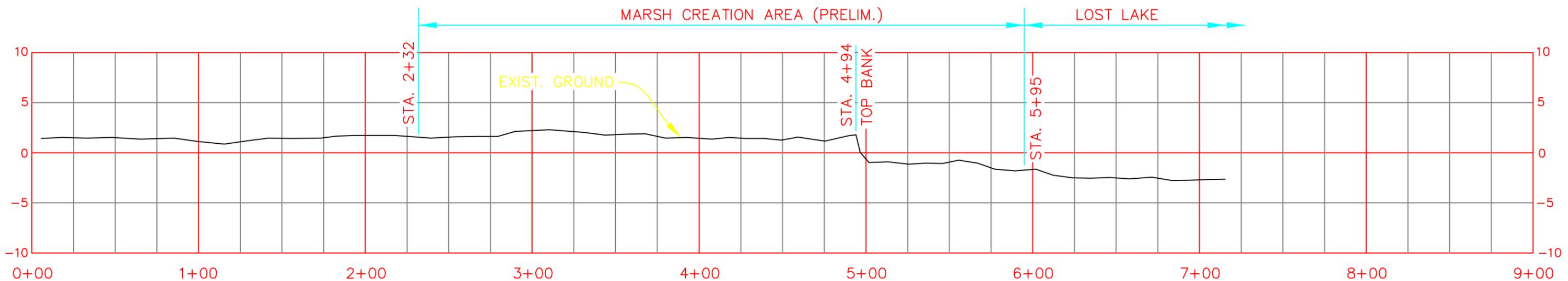
PROFILE

DATE: MAY, 2011

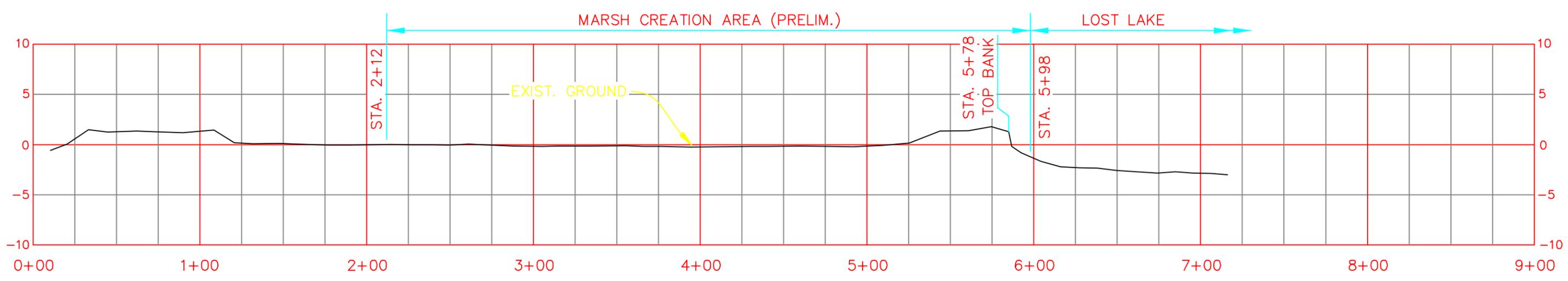
SHEET 11 OF 68



TRANSECT T-10



TRANSECT T-9



TRANSECT T-8

SCALE

HORZ. 1" = 60'
VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
OF
LOST LAKE MARSH CREATION and
HYDROLOGIC RESTORATION PROJECT
PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

APPROVED BY:

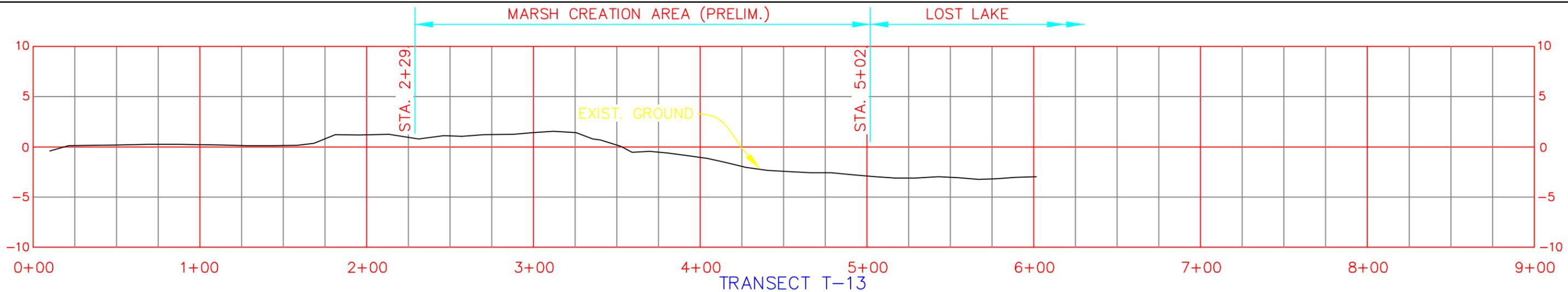
SURVEY TRANSECTS

PROFILE

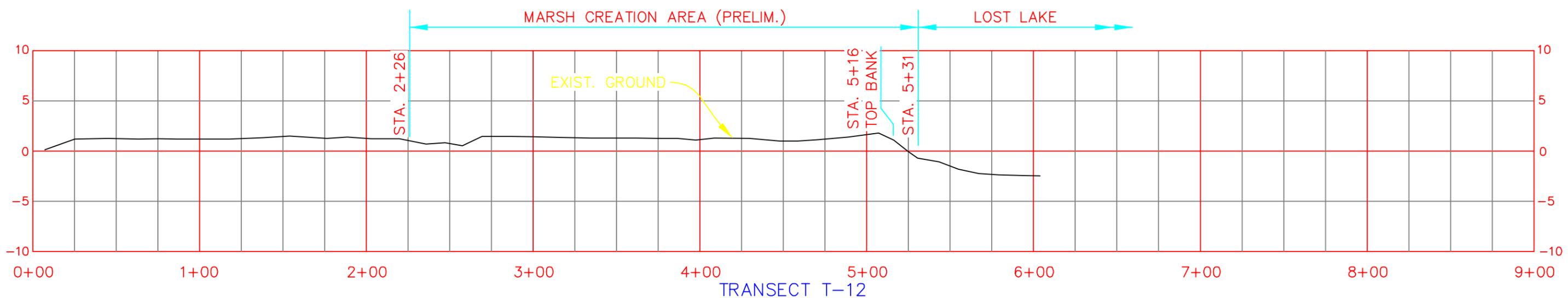
DATE: MAY, 2011

SHEET 12 OF 68

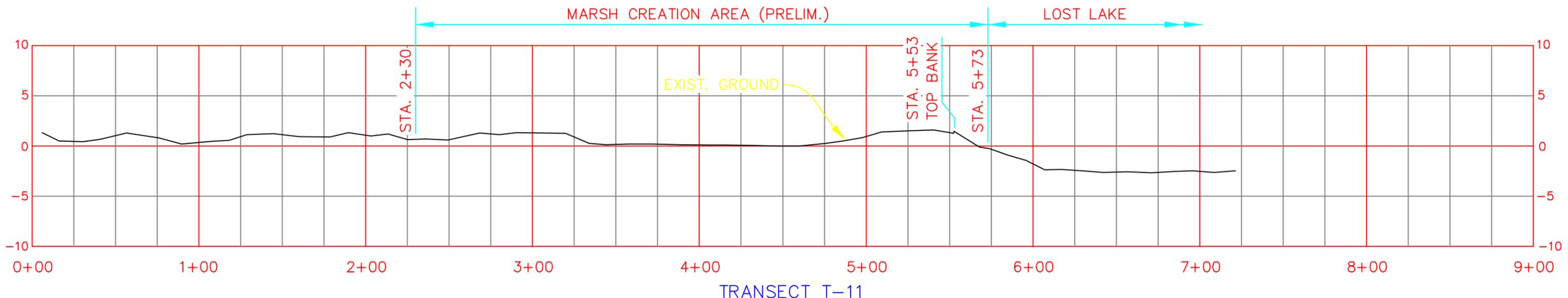
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TRANSECT T-13



TRANSECT T-12



TRANSECT T-11

SCALE

HORZ. 1" = 60'
 VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
 OF
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 HYDROLOGIC RESTORATION PROJECT
 PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

APPROVED BY:

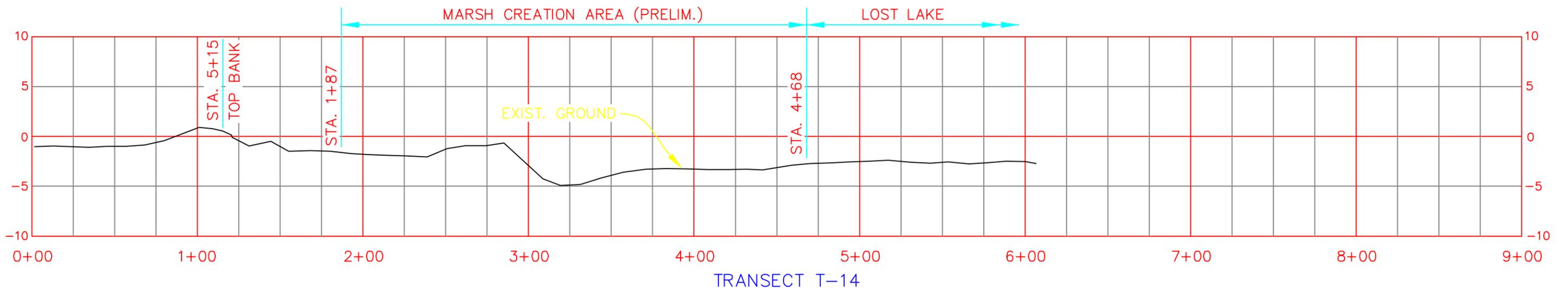
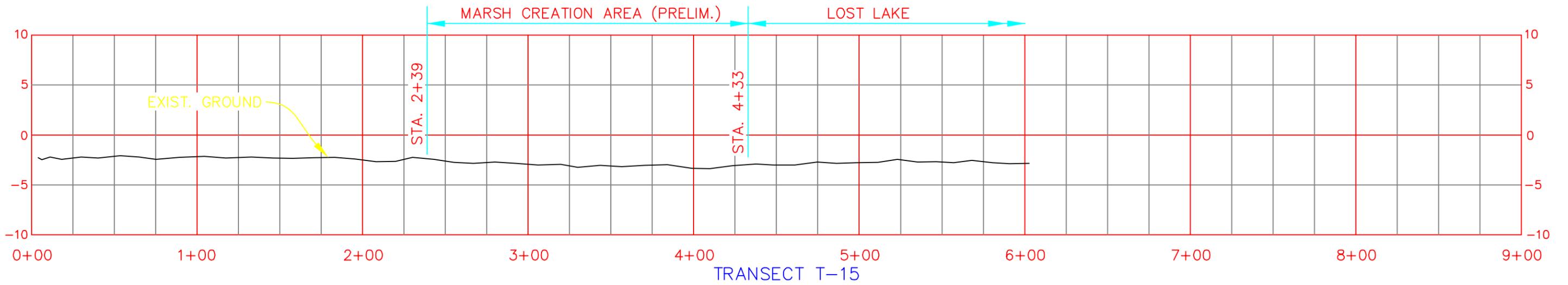
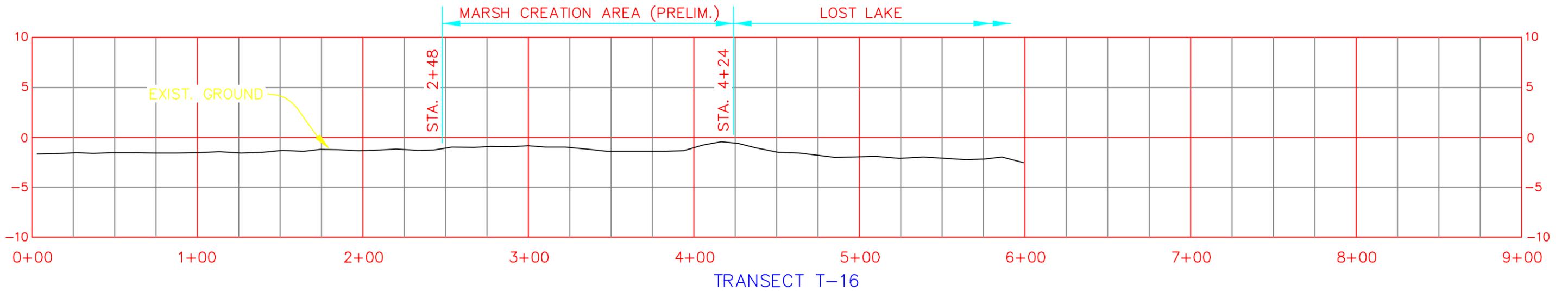
SURVEY TRANSECTS

PROFILE

DATE: MAY, 2011

SHEET 13 OF 68

May 20, 2011 - 12:07:11 PM FILE: G:\2010\2010-00-003 Lost Lake Marsh Creation\Map\TRANSECT PROFILE BATTERY\pro-1.dwg [Logfile: Lchsmw1]



SCALE

HORZ. 1" = 60'
VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



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ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
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PRE-CONSTRUCTION SURVEY

SURVEY TRANSECTS

PROFILE

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

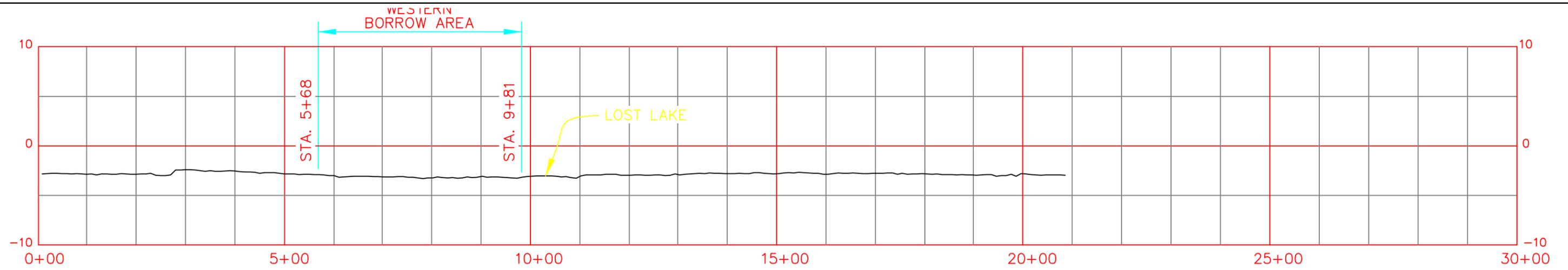
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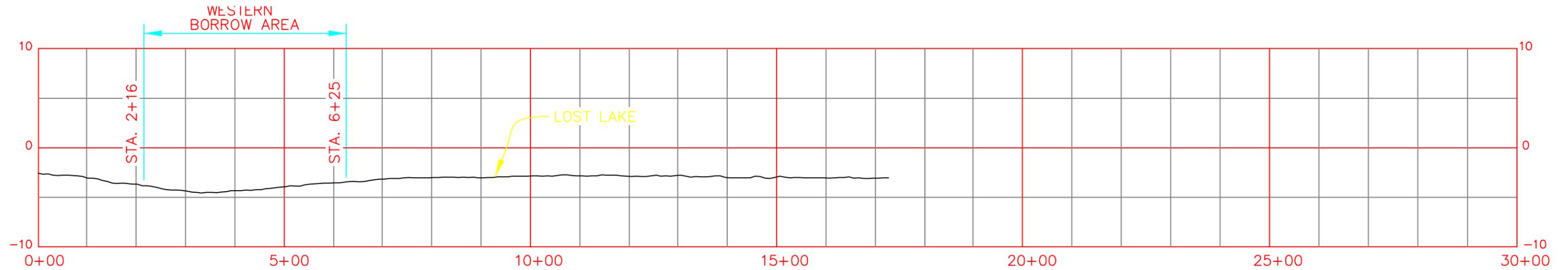
SHEET 14 OF 68

DRAWN BY: P&O

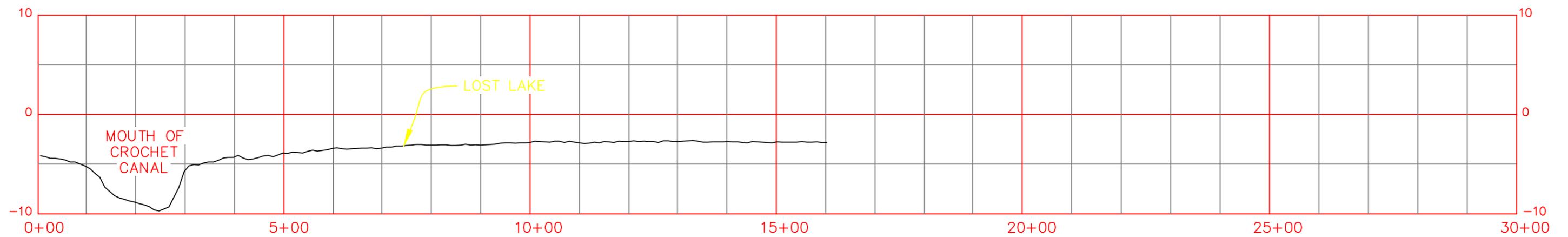
DESIGNED BY: P&O



TRANSECT T-19



TRANSECT T-18



TRANSECT T-17

SCALE

HORZ. 1" = 200'
VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
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BATON ROUGE, LOUISIANA 70801

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
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PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

APPROVED BY:

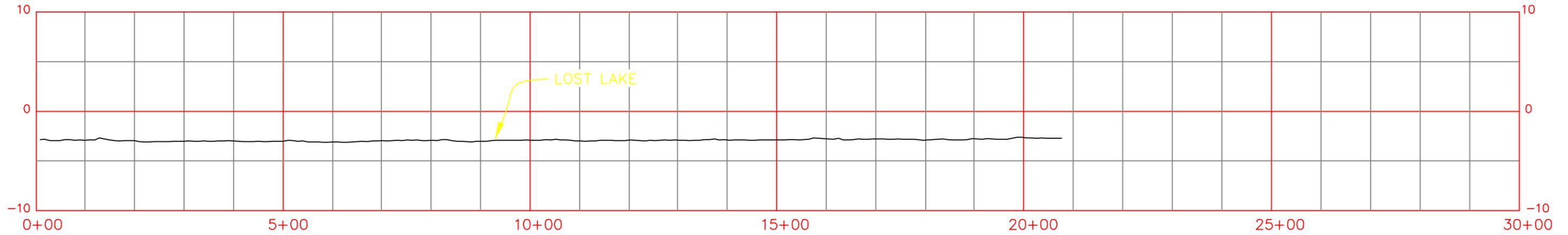
SURVEY TRANSECTS

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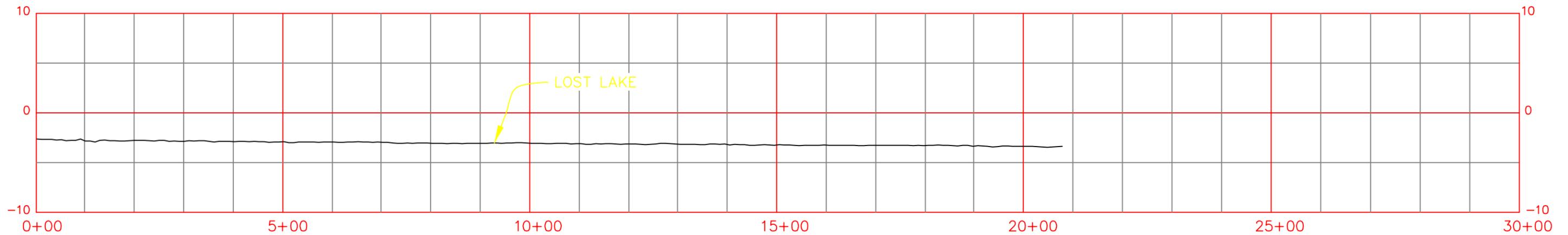
DATE: MAY, 2011

SHEET 15 OF 68

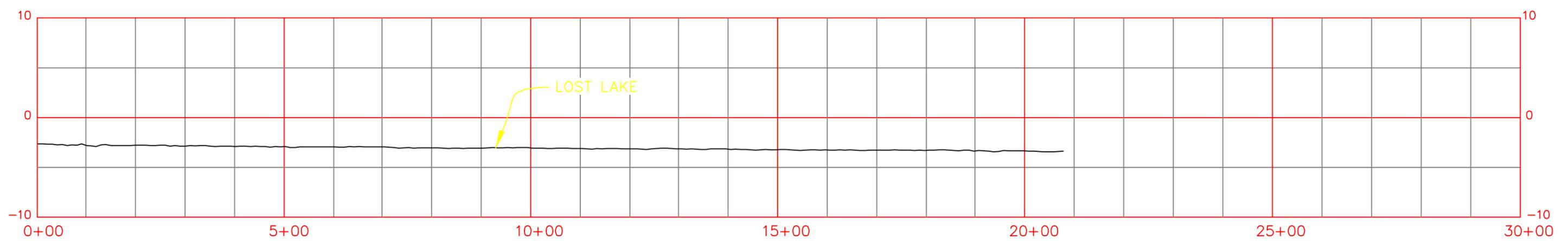
DRAWN BY: P&O DESIGNED BY: P&O



TRANSECT T-24



TRANSECT T-23



TRANSECT T-22

SCALE

HORZ. 1" = 200'
 VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

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BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
 OF
 LOST LAKE MARSH CREATION and
 HYDROLOGIC RESTORATION PROJECT
 PRE-CONSTRUCTION SURVEY

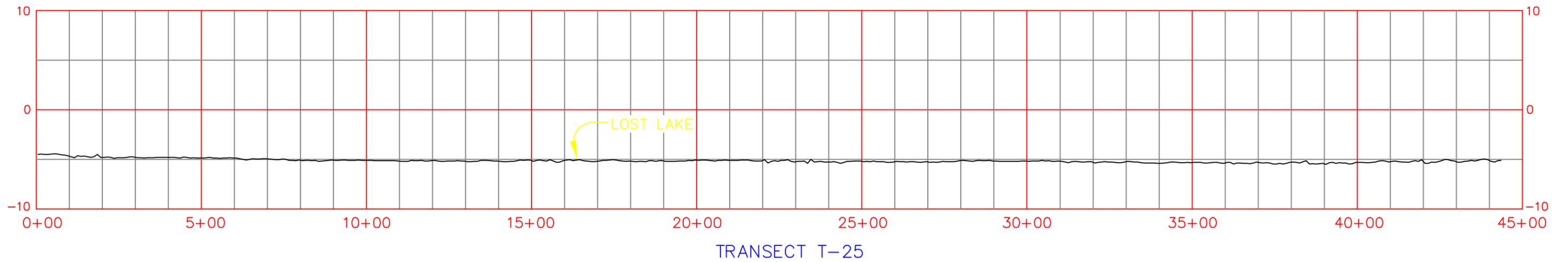
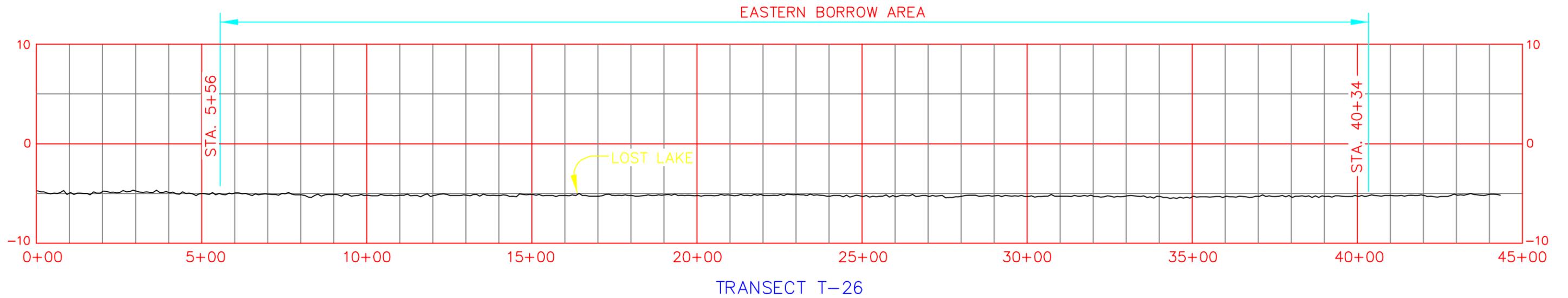
STATE PROJECT NUMBER: 2503-10-49 (TE-72)
 FEDERAL PROJECT NUMBER:

APPROVED BY:

SURVEY TRANSECTS
 PROFILE

DATE: MAY, 2011
 SHEET 17 OF 68

May 20, 2011 - 12:18:42 PM PLO FILE: G:\V04\0400\00-003 Lost Lake Marsh Creation\Map\TRANSECT PROFILE BATTERY\poc-4.dwg [Cajiga, Lichstein]



SCALE

HORZ. 1" = 300'
 VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



**OFFICE OF COASTAL PROTECTION & RESTORATION
 ENGINEERING BRANCH**

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O

DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
 OF
 LOST LAKE MARSH CREATION and
 HYDROLOGIC RESTORATION PROJECT
 PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

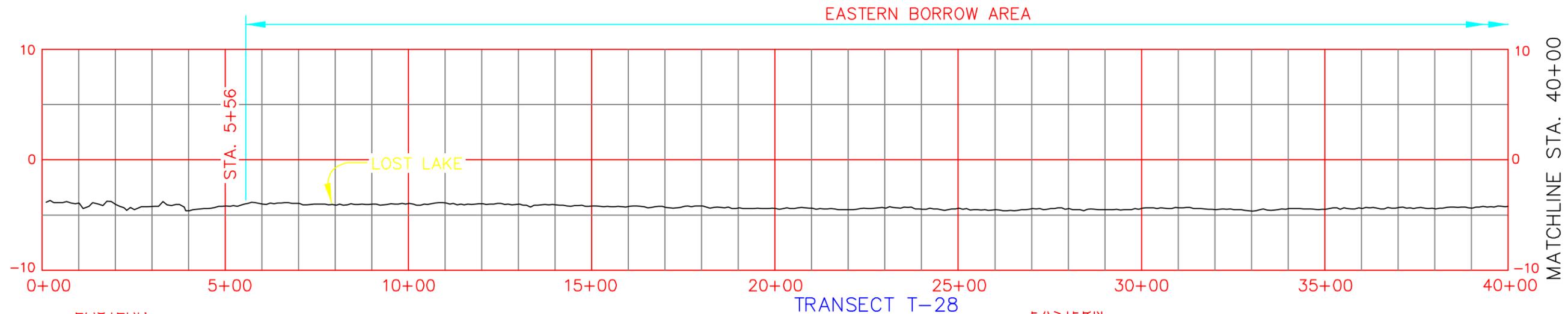
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SURVEY TRANSECTS

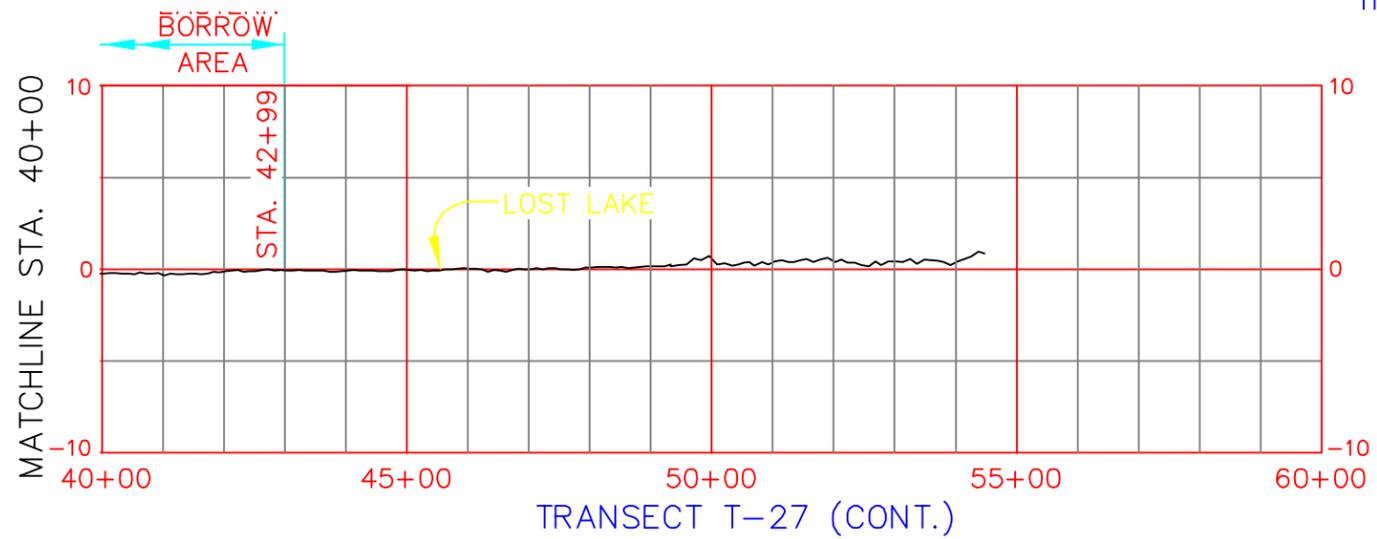
PROFILE

DATE: MAY, 2011

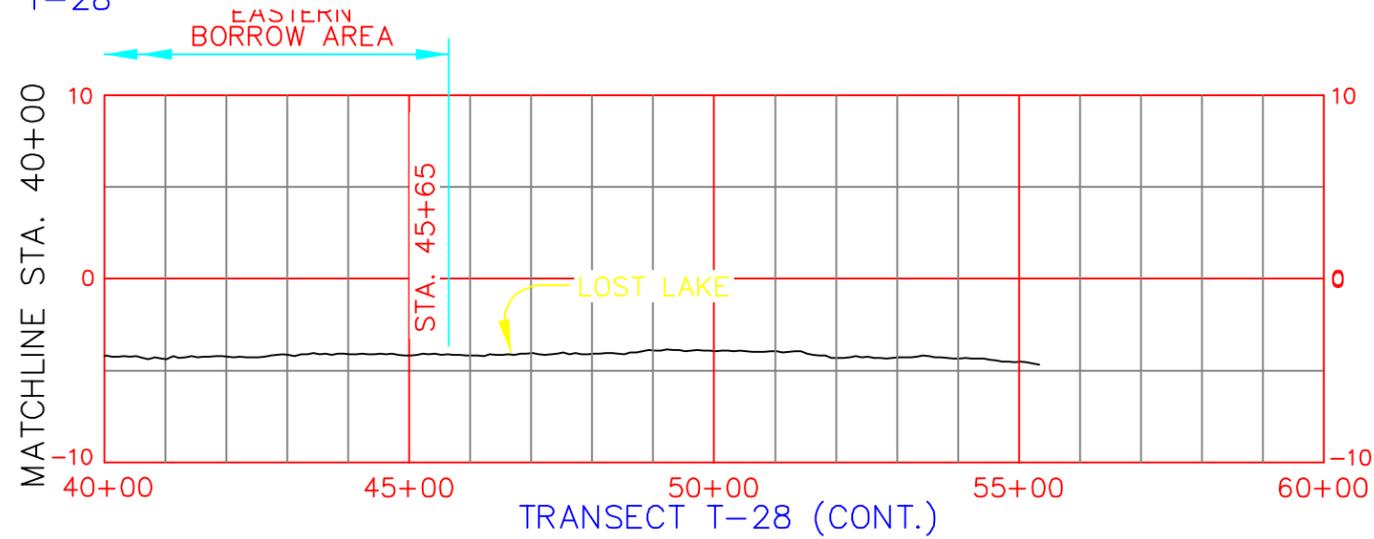
SHEET 18 OF 68



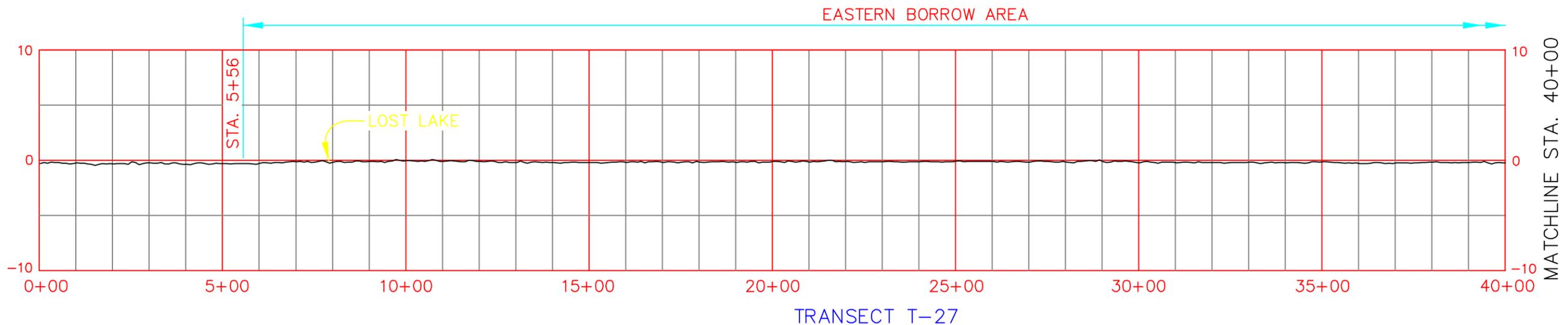
TRANSECT T-28



TRANSECT T-27 (CONT.)



TRANSECT T-28 (CONT.)



TRANSECT T-27

SCALE

HORZ. 1" = 300'
VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
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PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

APPROVED BY:

SURVEY TRANSECTS

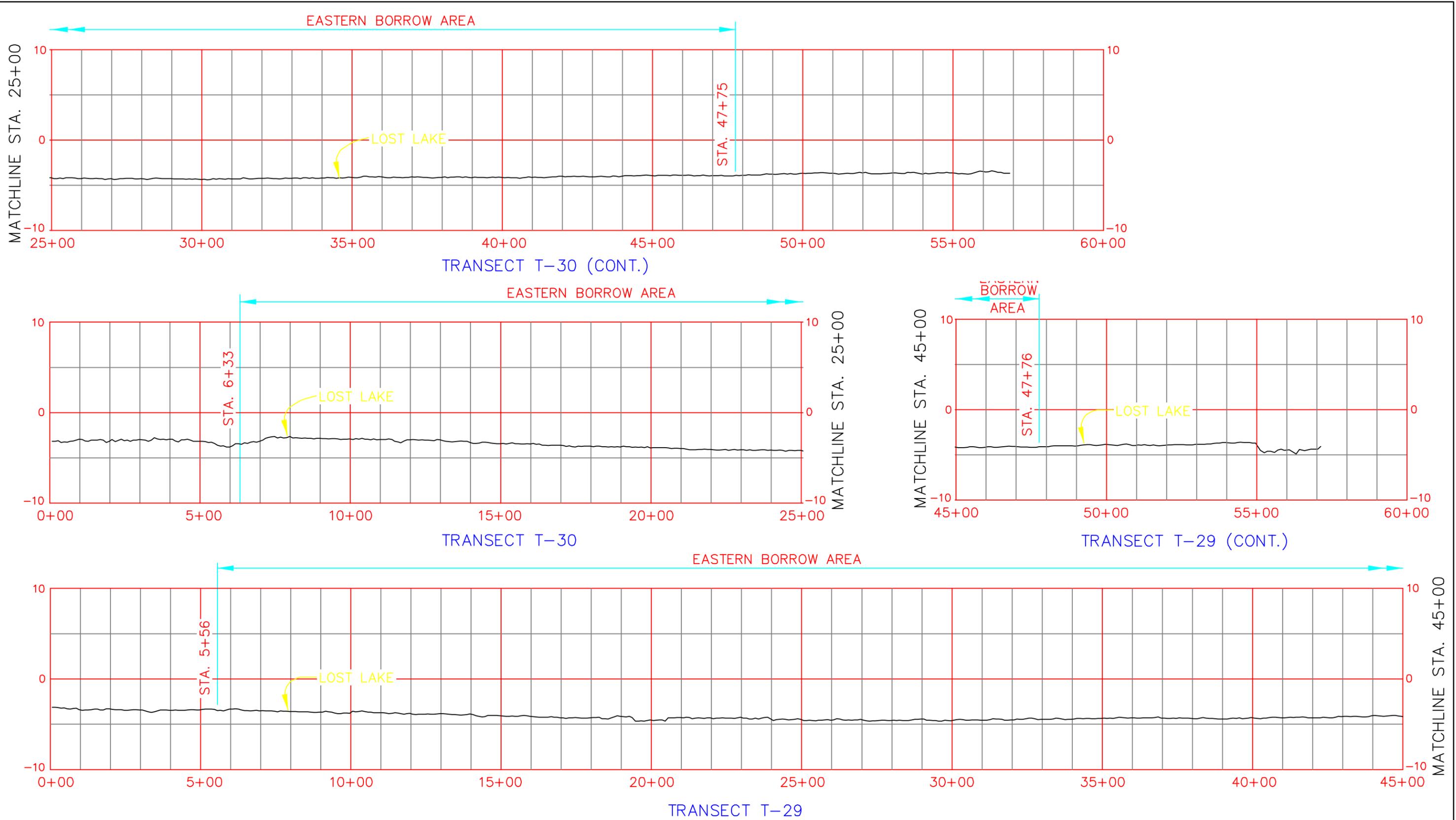
PROFILE

DATE: MAY, 2011

SHEET 19 OF 68

DRAWN BY: P&O

DESIGNED BY: P&O



May 20, 2011 - 12:28:45 PM FILE: G:\040\0400\040-000\Lake Marsh Creation\Views\TRANSECT PROFILE SHEETS\040-12.dwg [Dgn: LCHW] [

SCALE
 HORZ. 1" = 300'
 VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



**OFFICE OF COASTAL PROTECTION & RESTORATION
 ENGINEERING BRANCH**
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 BATON ROUGE, LOUISIANA 70801

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
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 HYDROLOGIC RESTORATION PROJECT
 PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

APPROVED BY:

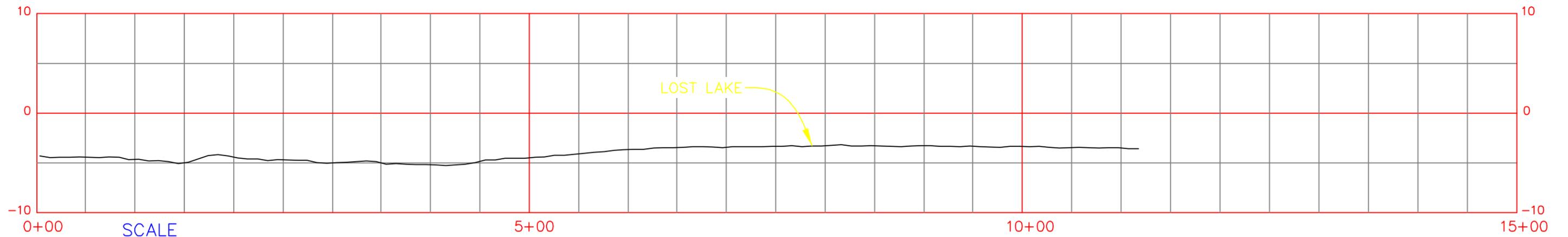
SURVEY TRANSECTS

PROFILE

DATE: MAY, 2011

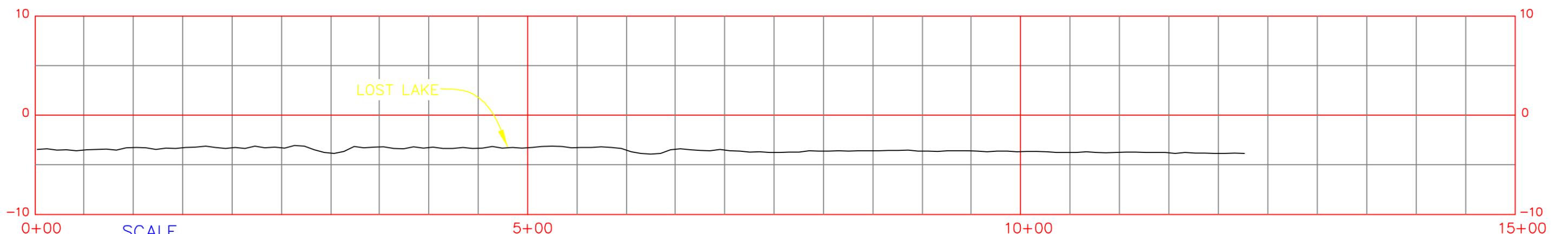
SHEET 20 OF 68

DRAWN BY: P&O DESIGNED BY: P&O



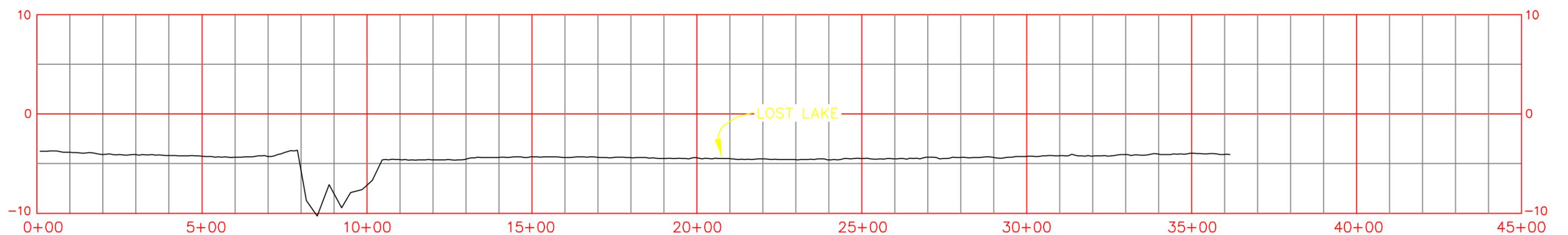
TRANSECT T-33 (NEAR MOUTH OF BAYOU DECADE)

SCALE
 HORZ. 1" = 100'
 VERT. 1" = 10'



TRANSECT T-32 (NEAR MOUTH OF BAYOU DECADE)

SCALE
 HORZ. 1" = 100'
 VERT. 1" = 10'



TRANSECT T-31

SCALE
 HORZ. 1" = 300'
 VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
 OF
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 HYDROLOGIC RESTORATION PROJECT
 PRE-CONSTRUCTION SURVEY

SURVEY TRANSECTS
 PROFILE

DRAWN BY: P&O DESIGNED BY: P&O

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

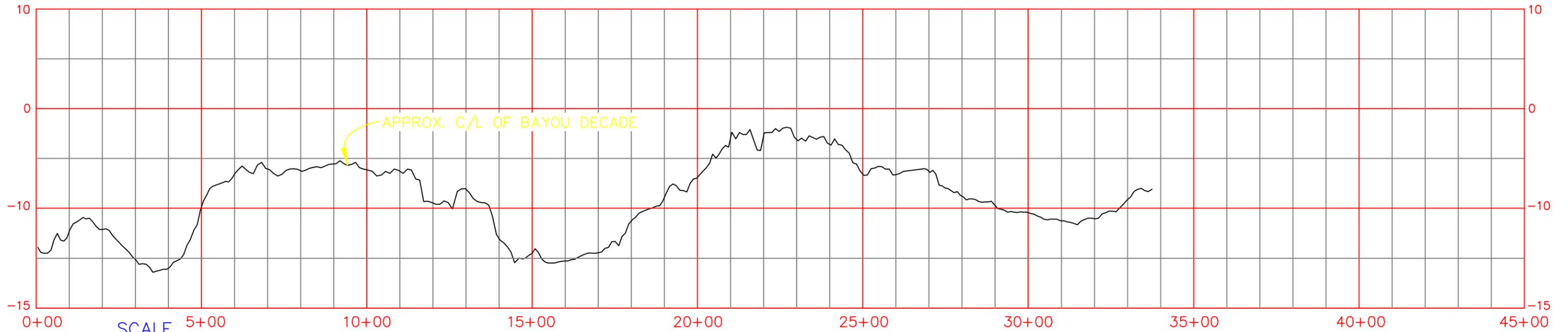
FEDERAL PROJECT NUMBER:

DATE: MAY, 2011

APPROVED BY:

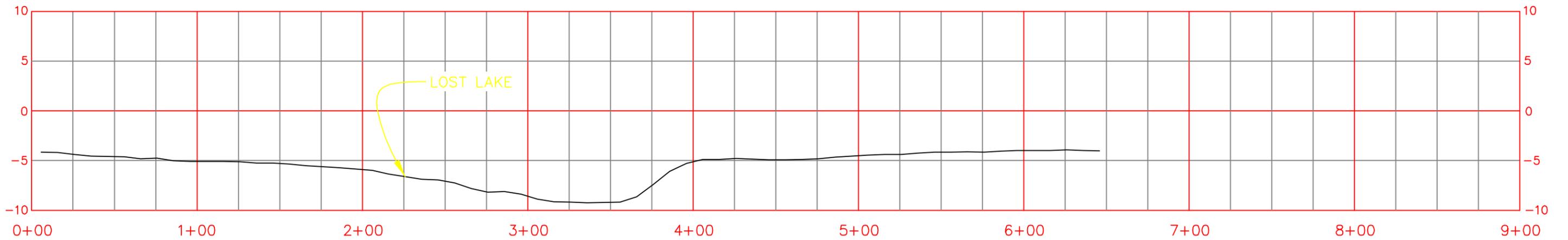
SHEET 21 OF 68

May 23, 2011 - 12:10:30 PM PLO FILE: G:\V\040\040-003 Lost Lake Marsh Creation\Map\TRANSECT PROFILE SHEETS\TPO-1.dwg [Lupin: LChenah]



SCALE
 HORZ. 1" = 300'
 VERT. 1" = 10'

TRANSECT T-35 (PROFILE UP MOUTH OF BAYOU DECADE)



SCALE
 HORZ. 1" = 60'
 VERT. 1" = 10'

TRANSECT T-34 (NEAR MOUTH OF BAYOU DECADE)

May 20, 2011 - 1:00 PM - P&O FILE: G:\2010\2010-00-003 Lost Lake Marsh Creation\Map\TRANSECT PROFILE SHEETS\T-35.dwg [Lisp: LCHAVE]

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
 ENGINEERING BRANCH

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O

DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
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 LOST LAKE MARSH CREATION and
 HYDROLOGIC RESTORATION PROJECT
 PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

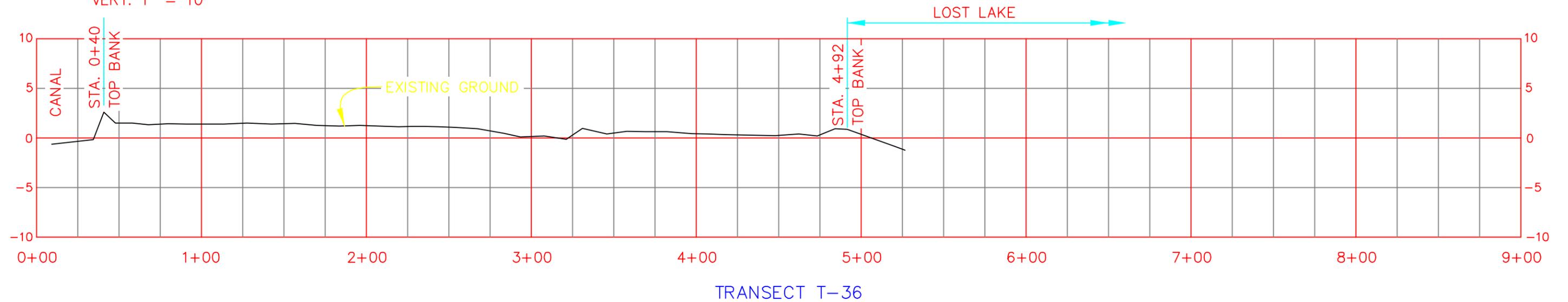
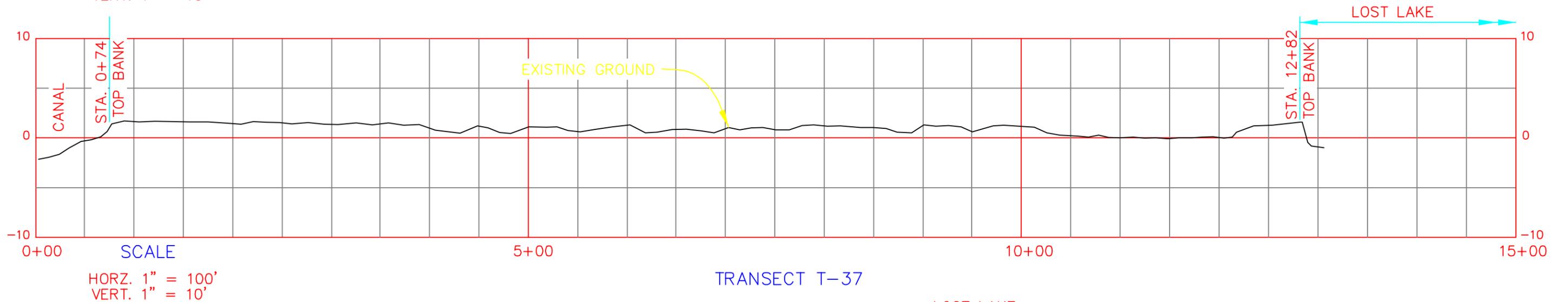
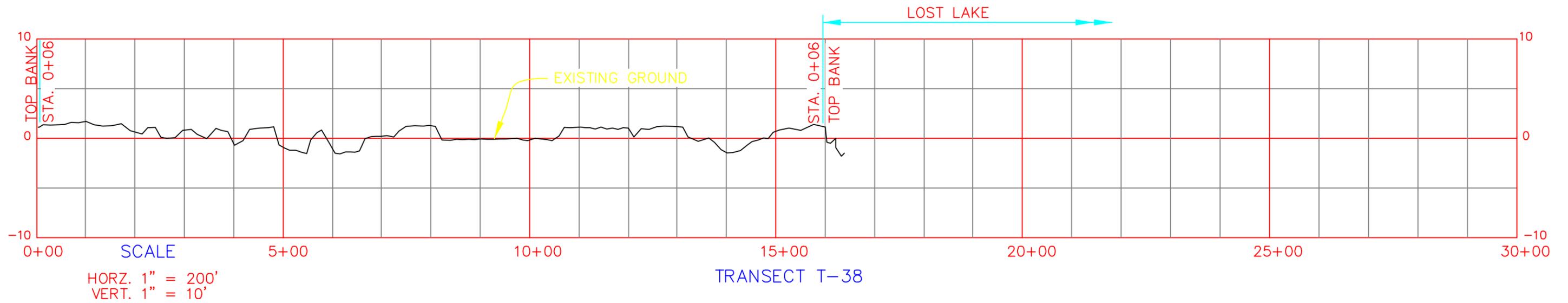
APPROVED BY:

SURVEY TRANSECTS

PROFILE

DATE: MAY, 2011

SHEET 22 OF 68



May 20, 2011 - 14:08:37 PLO FILE: G:\proj\1040\1040-103 Lake Marsh Creation\Views\TRANSECT PROFILE SHEETS\1040-1040.dwg [Dgn: LCHW1]

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O DESIGNED BY: P&O

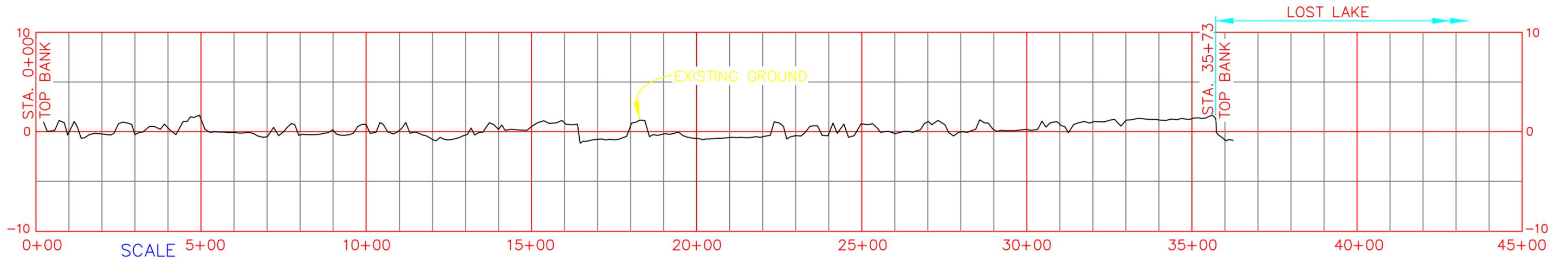
BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
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LOST LAKE MARSH CREATION and
HYDROLOGIC RESTORATION PROJECT
PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)
FEDERAL PROJECT NUMBER:

APPROVED BY:

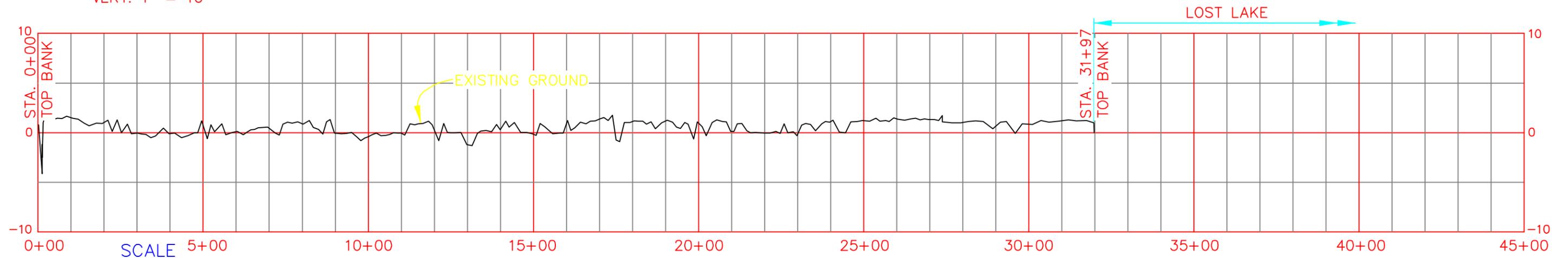
SURVEY TRANSECTS
PROFILE

DATE: MAY, 2011
SHEET 23 OF 68



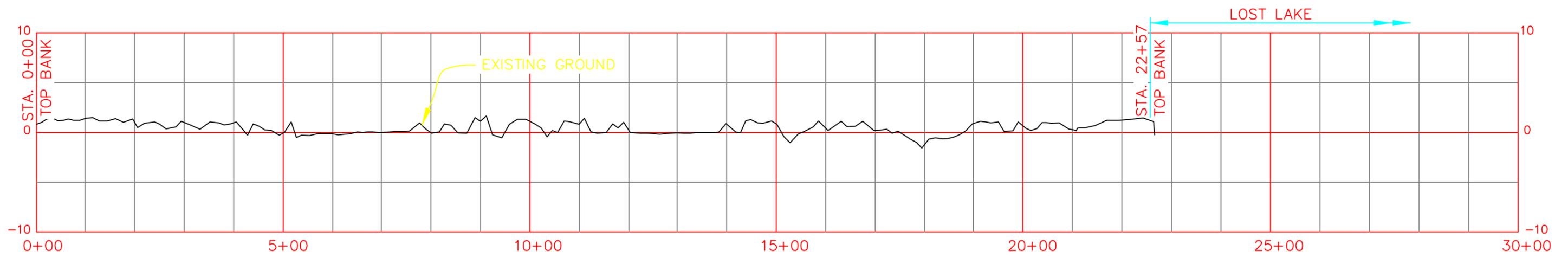
HORZ. 1" = 300'
VERT. 1" = 10'

TRANSECT T-41



HORZ. 1" = 60'
VERT. 1" = 10'

TRANSECT T-40



SCALE

HORZ. 1" = 200'
VERT. 1" = 10'

TRANSECT T-39

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O

DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
OF
LOST LAKE MARSH CREATION and
HYDROLOGIC RESTORATION PROJECT
PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

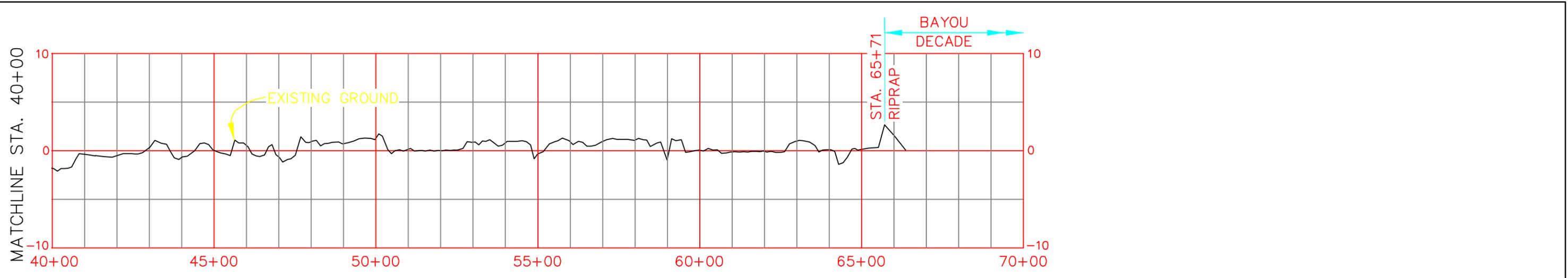
APPROVED BY:

SURVEY TRANSECTS

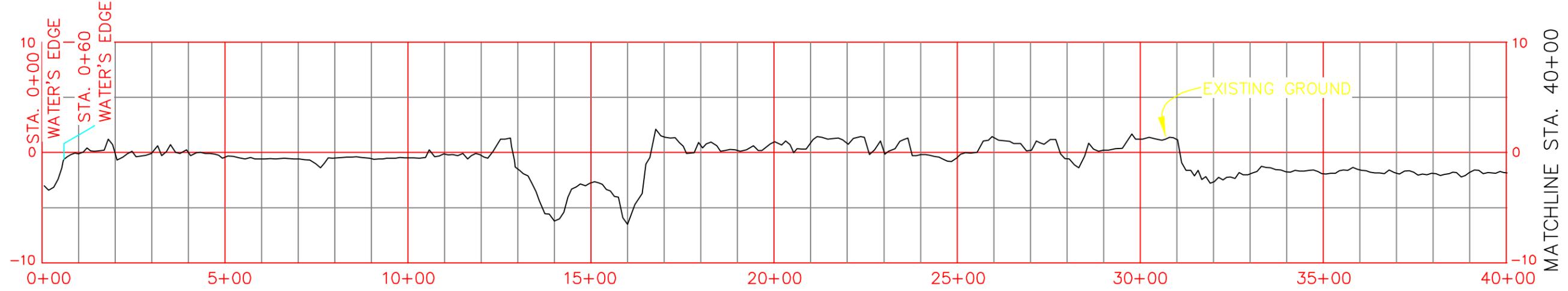
PROFILE

DATE: MAY, 2011

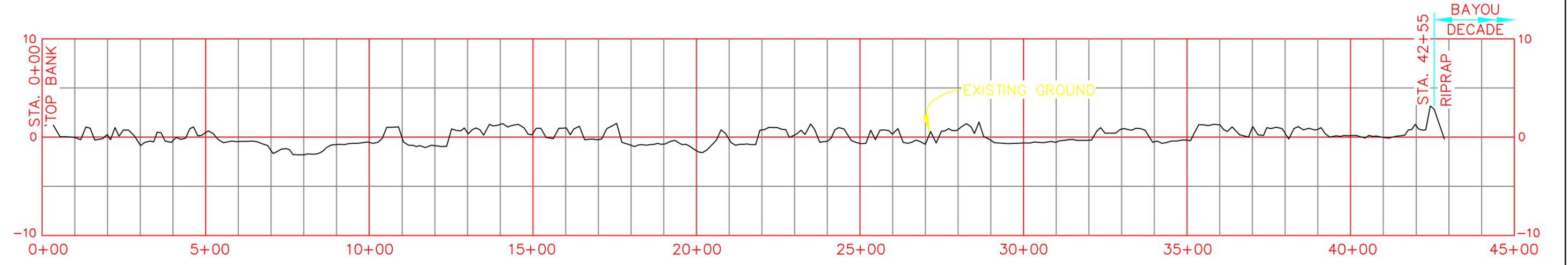
SHEET 24 OF 68



TRANSECT T-43 (CONT.)



TRANSECT T-43



TRANSECT T-42

SCALE

HORZ. 1" = 300'
VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
OF
LOST LAKE MARSH CREATION and
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PRE-CONSTRUCTION SURVEY

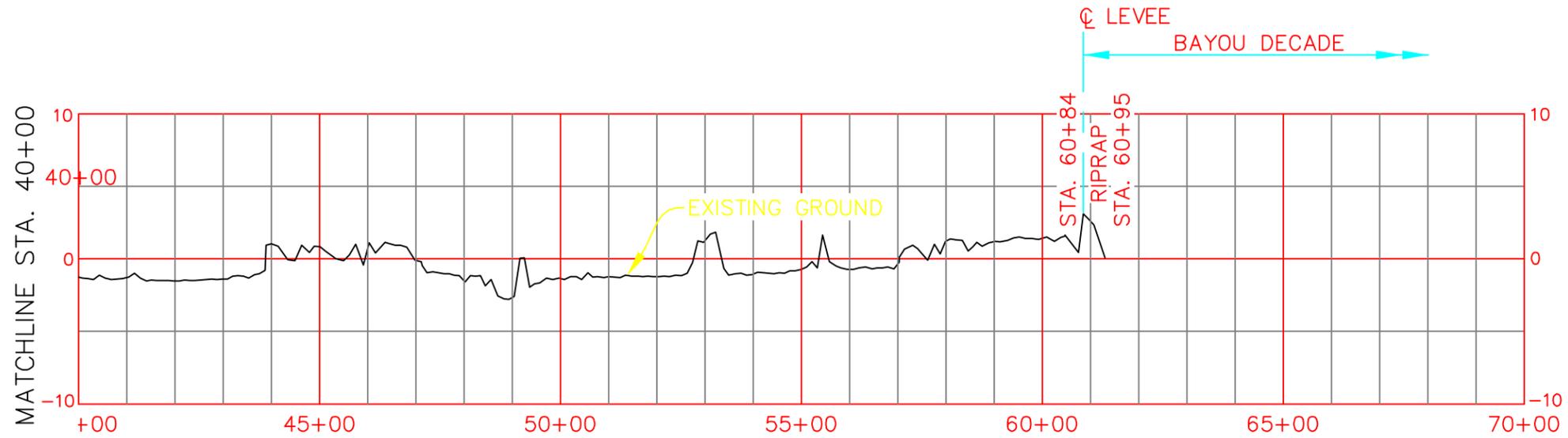
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FEDERAL PROJECT NUMBER:

APPROVED BY:

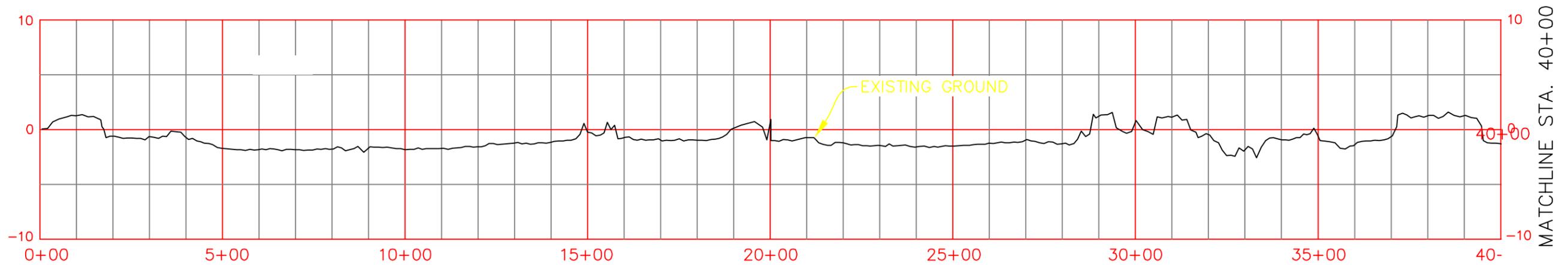
SURVEY TRANSECTS
PROFILE

DATE: MAY, 2011
SHEET 25 OF 68

May 20, 2011 - 14:39:23 PLO FILE: G:\proj\10400\10400-000 Lake Marsh Creation\Views\TRANSECT PROFILE SHEETS\T-42.dwg [Dgn: LCHW] [



TRANSECT T-44 (CONT.)



TRANSECT T-44

SCALE

HORZ. 1" = 300'
VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH

450 LAUREL STREET
BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O

DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
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LOST LAKE MARSH CREATION and
HYDROLOGIC RESTORATION PROJECT
PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

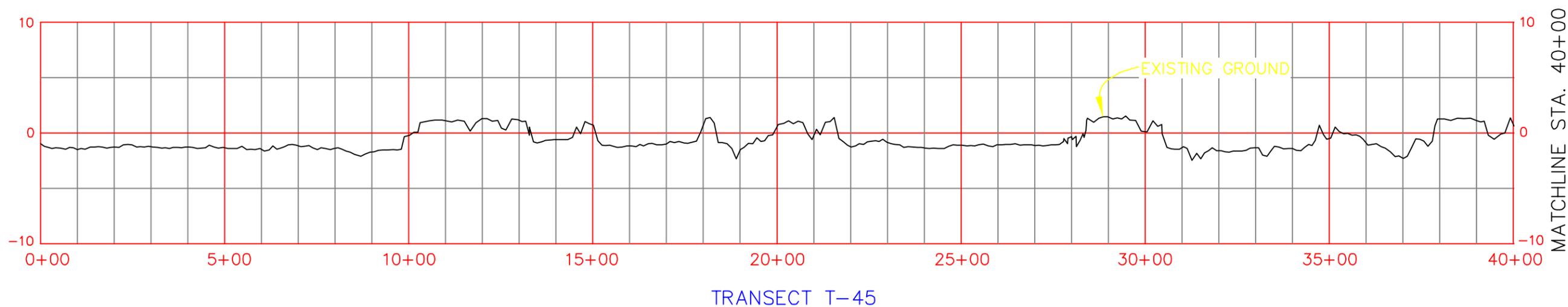
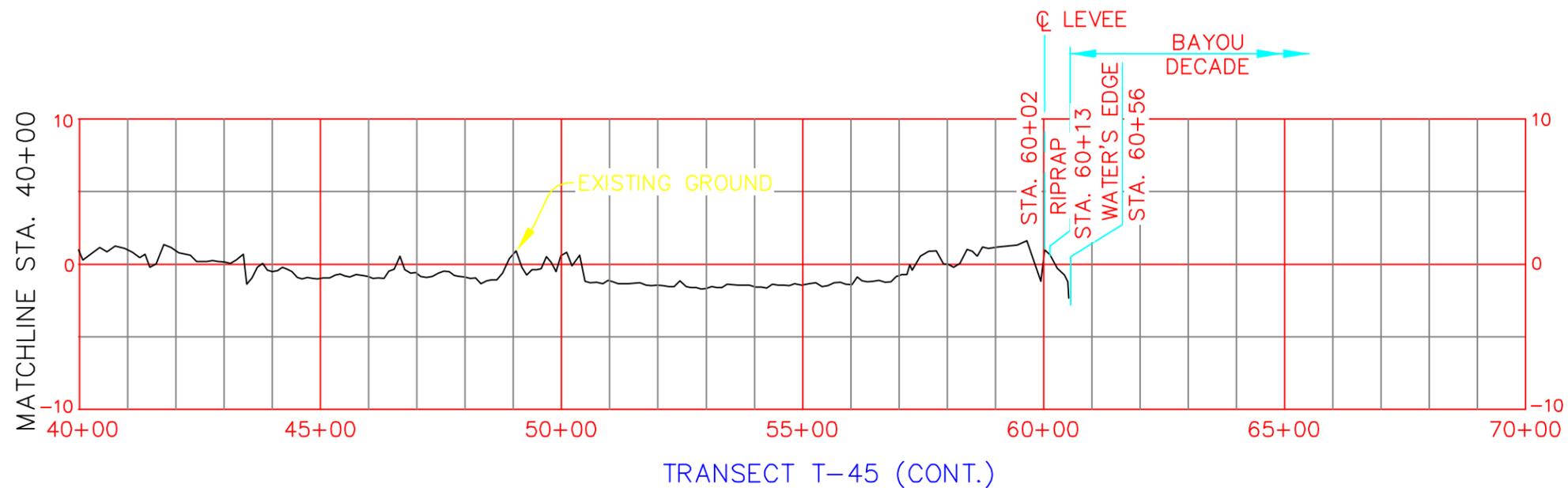
APPROVED BY:

SURVEY TRANSECTS

PROFILE

DATE: MAY, 2011

SHEET 26 OF 68



SCALE

HORZ. 1" = 300'
 VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



**OFFICE OF COASTAL PROTECTION & RESTORATION
 ENGINEERING BRANCH**

450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O

DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
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 PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

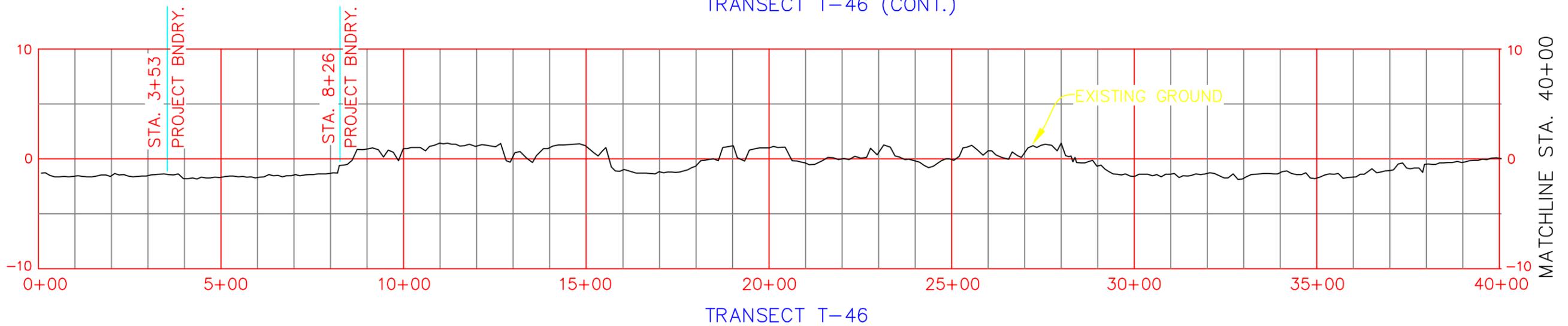
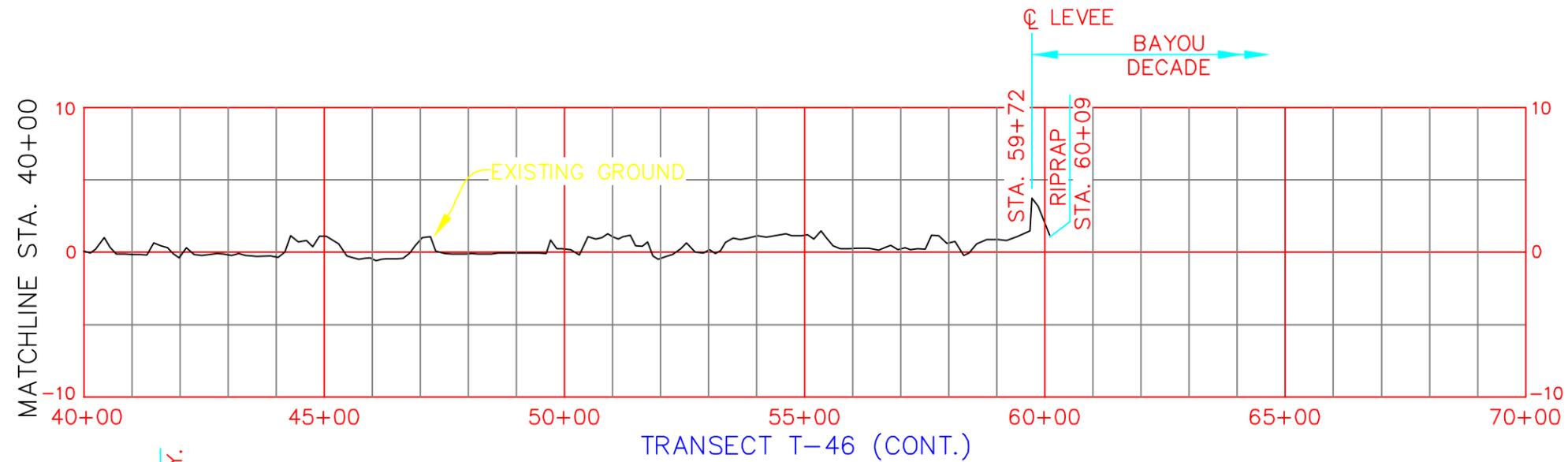
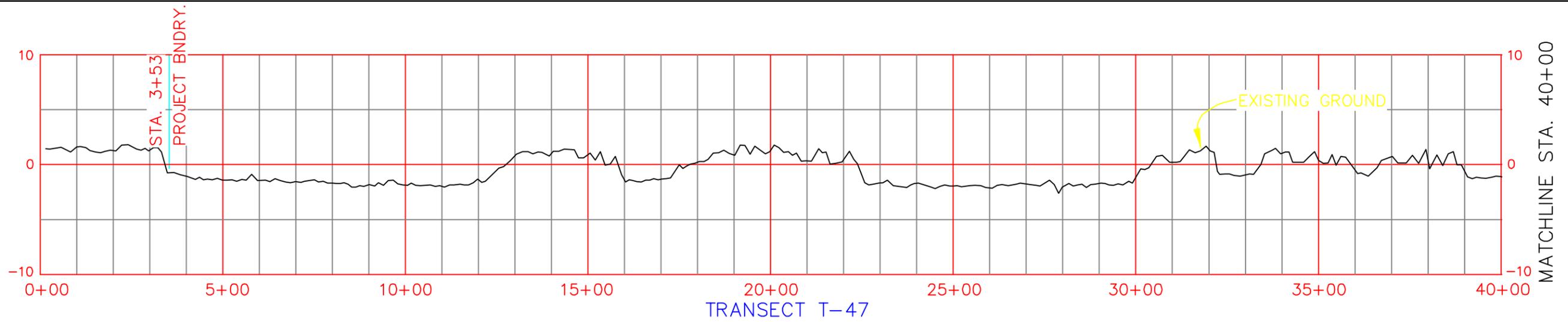
APPROVED BY:

SURVEY TRANSECTS

PROFILE

DATE: MAY, 2011

SHEET 27 OF 68



SCALE

HORZ. 1" = 300'
 VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O

DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
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STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

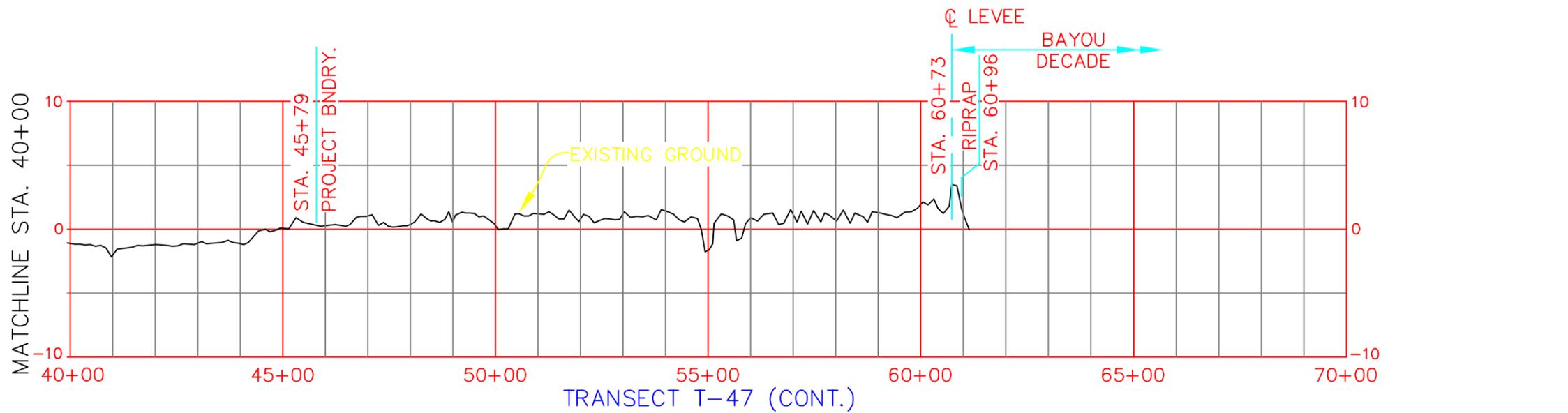
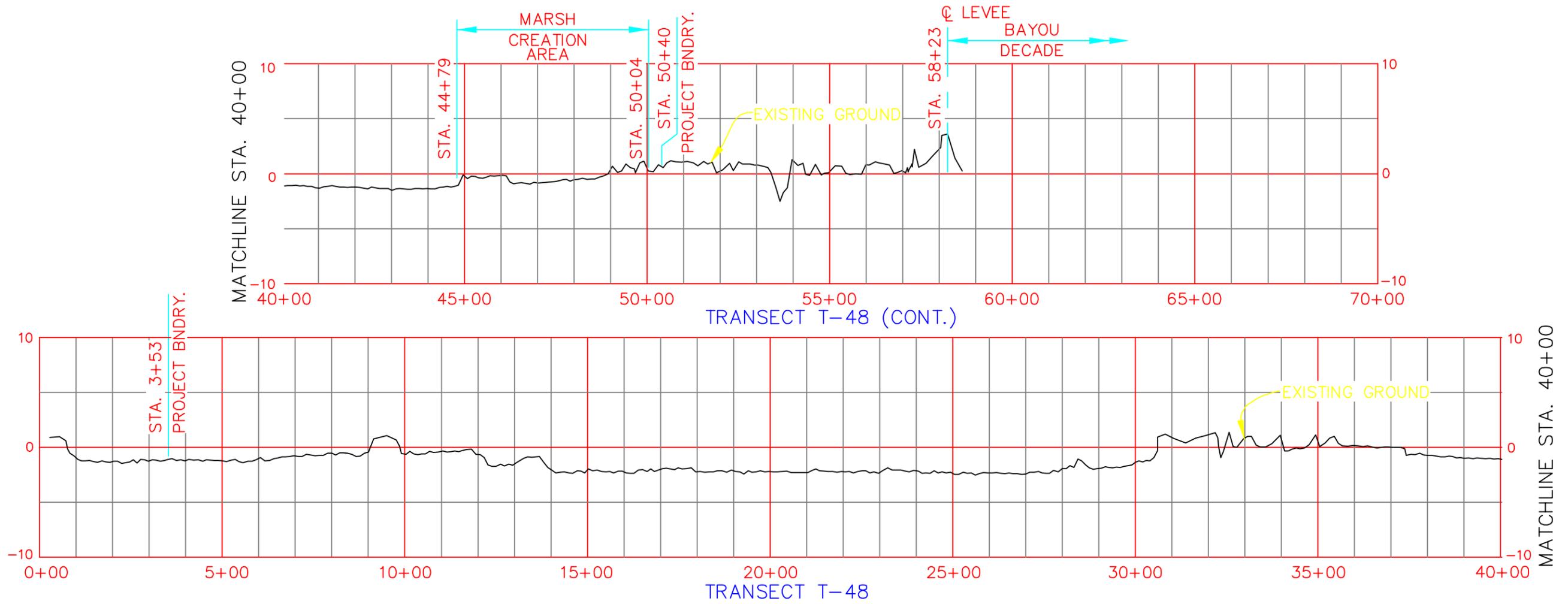
APPROVED BY:

SURVEY TRANSECTS

PROFILE

DATE: MAY, 2011

SHEET 28 OF 68



SCALE

HORZ. 1" = 300'
 VERT. 1" = 10'

REV.	DATE	DESCRIPTION	BY



OFFICE OF COASTAL PROTECTION & RESTORATION
ENGINEERING BRANCH
 450 LAUREL STREET
 BATON ROUGE, LOUISIANA 70801

DRAWN BY: P&O

DESIGNED BY: P&O

BATHYMETRIC, TOPOGRAPHIC, AND MAGNETOMETER SURVEY
 OF
 LOST LAKE MARSH CREATION and
 HYDROLOGIC RESTORATION PROJECT
 PRE-CONSTRUCTION SURVEY

STATE PROJECT NUMBER: 2503-10-49 (TE-72)

FEDERAL PROJECT NUMBER:

APPROVED BY:

SURVEY TRANSECTS

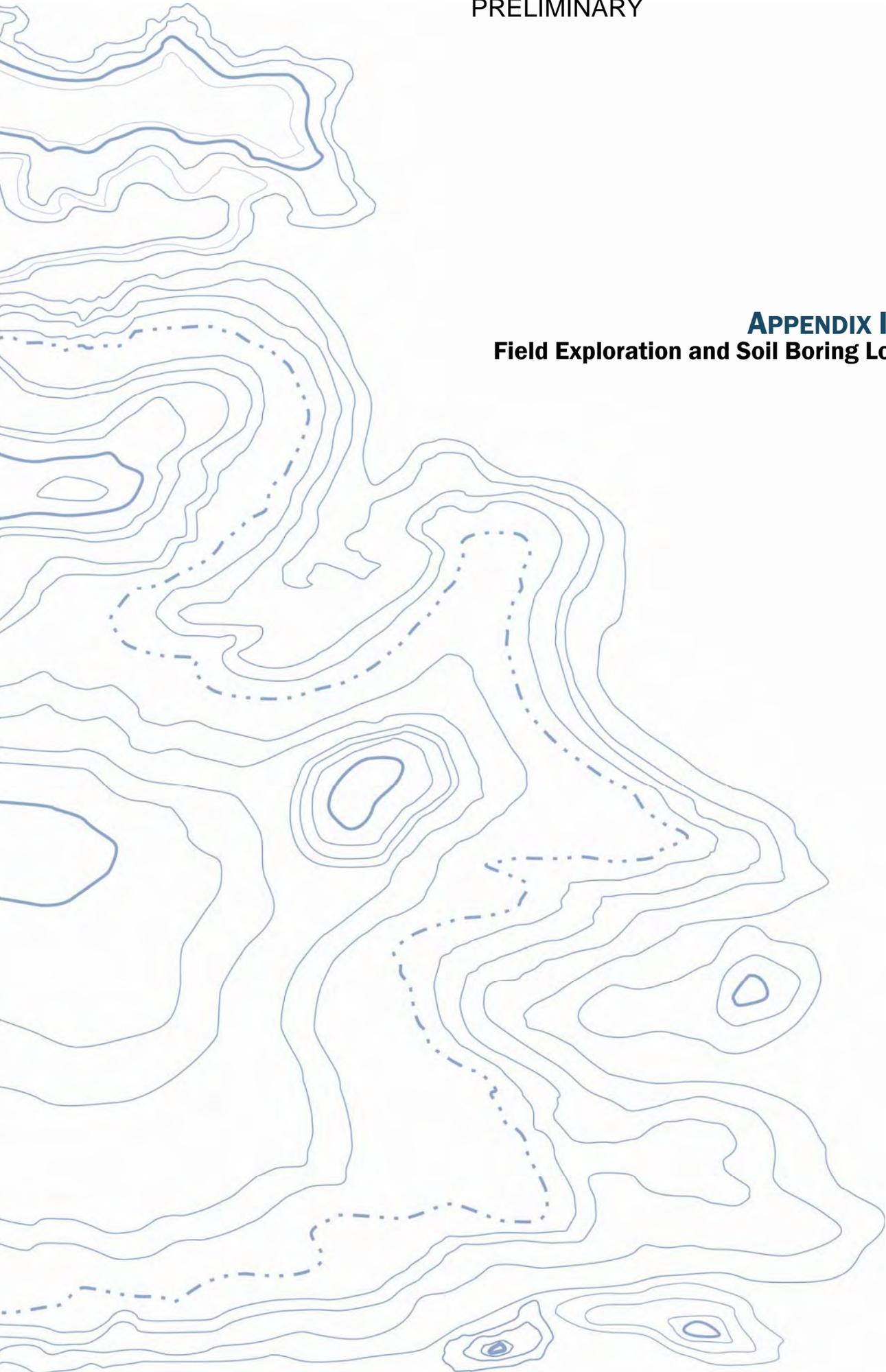
PROFILE

DATE: MAY, 2011

SHEET 29 OF 68

PRELIMINARY

APPENDIX I-B
Field Exploration and Soil Boring Logs



APPENDIX I-B FIELD AND BORING LOGS

As-executed particulars of the field exploration and laboratory testing program performed by us to support this project are discussed below. The basis for work was our proposal dated March 29, 2011.

FIELD EXPLORATION

Soil conditions were evaluated in the project area by advancing twenty soil borings to a depth varying from 20 to 60 feet below the mudline. All borings were sampled continuously in the upper 20 feet and thereafter at 5 feet intervals to respective boring completion depths.

The borings were surveyed by T. Baker Smith (TBS) prior to drilling the soil borings. At each boring location, TBS performed a gradiometer search for a radius of 50 feet to make sure no pipelines were present at the boring. At locations where gradiometer could not be used, GeoEngineers performed a search using a pole to locate any pipelines in the upper soil profile.

The soil borings were completed between May 11, 2011 and May 28, 2011 using pontoon-mounted and marsh buggy-mounted drill rigs. A senior lab technician from GeoEngineers managed the drilling on a full time basis, examined and classified the soils encountered, obtained representative samples, and prepared a log of each borehole. The approximate soil boring locations are shown in Figure 2.

Borehole sampling was conducted in general accordance with applicable ASTM specifications. High-quality, undisturbed, cohesive, semi-cohesive soil (clayey silt, clayey sand) and granular soil (silty sand, silt) specimens suitable for laboratory strength testing were obtained using a 30-inch-long, 3-inch outside diameter (O.D.), thin-walled steel Shelby tube sampler. The sampler was hydraulically pushed into the ground a distance not exceeding 24 inches per specimen. When a Shelby tube was not able to recover a sample, a split-spoon sampler was driven to collect a disturbed sample.

At locations where soil samples could not be recovered using a Shelby tube sampler, soils were collected using the standard penetration test (SPT) method. In this procedure, a standard 24 inch long by 2-inch O.D. split-spoon sampler is driven into the ground with a 140-pound hammer falling a distance of 30 inches. The penetration resistance is the number of blows required to drive the sampler 12 inches after seating it 6 inches. There were instances during the field exploration where no soil sample was recovered by both the procedures mentioned above.

Immediately upon recovery, each sample was classified in the field by our representative based on soil exposed on either end of the Shelby tube. Each Shelby tube was then sealed and stored/transported in a vertical position. Shelby tubes were secured bottom down during transportation to our Baton Rouge laboratory to minimize sample disturbance. Upon completion of sampling, all boreholes were backfilled with cement-bentonite grout in the upper 25 feet. Detailed boring logs are attached. A key to exploration logs is on Figure I-B1.

Upon completion of each of the soil borings (excluding the borrow area borings), the drill rig was repositioned adjacent (± 2 feet) to the completed boring where a GEONOR H-10 vane borer instrument was used to perform field shear vane tests in general accordance with ASTM D 2573 at various depths. The test consisted of placing a four-blade vane at the required depth in the in-situ soil and rotating it from aboard the drill rig to determine the torque required to shear a cylindrical soil surface with the vane. The resulting torque was used to determine the in-situ undrained shear strength.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS <small>(LITTLE OR NO FINES)</small>		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
		GRAVELS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
		SAND AND SANDY SOILS <small>MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE</small>		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
	SAND AND SANDY SOILS	CLEAN SANDS <small>(LITTLE OR NO FINES)</small>		SW	WELL-GRADED SANDS, GRAVELLY SANDS
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		SP	POORLY-GRADED SANDS, GRAVELLY SAND
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		SM	SILTY SANDS, SAND - SILT MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY
		LIQUID LIMIT LESS THAN 50		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
		LIQUID LIMIT LESS THAN 50		OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
		LIQUID LIMIT GREATER THAN 50		CH	INORGANIC CLAYS OF HIGH PLASTICITY
		LIQUID LIMIT GREATER THAN 50		OH	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

Sampler Symbol Descriptions

- Standard Penetration Test (SPT)
- Shelby tube
- Piston
- Direct-Push
- Bulk or grab

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

A "P" indicates sampler pushed using the weight of the drill rig.

ADDITIONAL MATERIAL SYMBOLS

SYMBOLS		TYPICAL DESCRIPTIONS
GRAPH	LETTER	
	CC	Cement Concrete
	AC	Asphalt Concrete
	CR	Crushed Rock/ Quarry Spalls
	TS	Topsoil/ Forest Duff/Sod



Measured groundwater level in exploration, well, or piezometer



Groundwater observed at time of exploration



Perched water observed at time of exploration

Graphic Log Contact



Distinct contact between soil strata or geologic units



Approximate location of soil strata change within a geologic soil unit

Material Description Contact



Distinct contact between soil strata or geologic units



Approximate location of soil strata change within a geologic soil unit

Laboratory / Field Tests

- %F Percent fines
- AL Atterberg limits
- CA Chemical analysis
- CP Laboratory compaction test
- CS Consolidation test
- DS Direct shear
- HA Hydrometer analysis
- MC Moisture content
- MD Moisture content and dry density
- OC Organic content
- PM Permeability or hydraulic conductivity
- PP Pocket penetrometer
- SA Sieve analysis
- TX Triaxial compression
- UC Unconfined compression
- VS Vane shear

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

KEY TO EXPLORATION LOGS

Start Drilled 5/18/2011	End 5/18/2011	Total Depth (ft) 55	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 2.7		Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop		Drilling Equipment Pontoon-Mounted Drill Rig	
Latitude Longitude N29° 19' 02.0" W91° 05' 27.0"		System Datum Geographic NAD83 (feet)		Groundwater Date Measured Depth to Water (ft) Elevation (ft)	
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
0																	
5		11						PT	290	17.5	0.08	0.02	9				
		14							258	19.4	0.12	0.33	11	331	230	0.05	
		9						OH	230	24	0.06	0.43	11			0.117	
		12							156	31.7	0.07	0.4	9	169	140	0.11	
		10							107					141	106	0.079	
		11							144	33.8	0.08	0.63	9			0.151	
		6							185					156	99		
		12						CH	96	47.6	0.06	0.86	15	116	88	0.11	
		10														0.115	
		8							99	46.8	0.07	1.1	11	153	107	0.131	
		12						OH	297	18.6	0.11	1.37	10			0.101	
		12							115	36.1	0.07	1.67	12	130	90	0.124	

Log of Boring B-1



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B2
 Sheet 1 of 2

Baton Rouge: Date: 8/5/11 Path: P:\16715\020\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBT template\lib\template\GEOENGINEERS\GDT\GEBR_GEOTECH_LAB

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA										
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
35								CH										
36																		
37																		
38																		
39																		
40																		
41																		
42																		
43																		
44																		
45																		
46																		
47																		
48																		
49																		
50																		
51																		
52																		
53																		
54																		
55																		

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Log of Boring B-1 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Start Drilled 5/16/2011	End 5/16/2011	Total Depth (ft) 56	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 2.4	Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment Pontoon-Mounted Drill Rig			
Latitude Longitude N29° 21' 13.5" W91° 06' 50.4"	System Datum Geographic NAD83 (feet)	Groundwater Date Measured	Depth to Water (ft)	Elevation (ft)	
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
0																	
0						▽											
5																	
5		8.5			1		OH	Very soft dark gray organic clay	199	28.1	0.09	0.06	9	156	115	0.09	
9		9			2		OH	Very soft gray organic clay with peat	218	25.8	0.10	0.17	2			0.104	
10		4			3		OH	Very soft gray organic clay with peat traces (Field Vane Strength = 0.058 KSF)								0.106	
10		6			4		OH	Very soft gray organic clay	99	45.3	0.13	0.4	9			0.122	
15		10			5		OH	Very soft gray organic clay	105	43.1	0.10	0.52	7	104	77	0.101	
15		11			6		OH	Very soft gray organic clay	106	44.4	0.10	0.63	12			0.144	
20		12			7		OH	Very soft gray organic clay								0.117	
20					8		OH	Very soft gray organic clay (cuttings)								0.196	
20		2			9		OH	Very soft gray organic clay	164					154	98	0.158	
25					10		OH	Gray organic clay (cuttings) (Field Vane Strength = 0.078 KSF)								0.252	
25							CH										
30		13			11		CH	Very soft gray clay with organic matter	42	72.5	0.19		15	69	46		
30							SC										
35		12			12		SC	Firm gray clayey fine sand	31	89.1	0.80	1.67	7				

Log of Boring B-2



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B3
 Sheet 1 of 2

Baton Rouge: Date: 8/5/11 Path: P:\16715\20\20\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBT template\lib\template\GEOENGINEERS\GDT\GEBR_GEOTECH_LAB

Elevation (feet)	FIELD DATA					Group Classification	MATERIAL DESCRIPTION	LABORATORY DATA								
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name			Water Level	Graphic Log	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %
35																
36							CH									
40	10				13		CH	Very soft gray clay with 3½" clayey silt layer	53	68.6	0.21		15	58	38	
45	13				14		CL-ML	Firm gray clayey silt with 4" clay layer	33	87.8	0.65	2.25	14			
50	12				15		CH	Very soft gray clay with silt lenses, pockets and streaks	40	74.1	0.23		15	55	35	
55	11				16		CH	Very soft gray clay with silt pockets	67	68.6	0.11		15	53	30	

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Log of Boring B-2 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Start Drilled 5/17/2011	End 5/17/2011	Total Depth (ft) 54	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 2.4	Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment Pontoon-Mounted Drill Rig			
Latitude Longitude N29° 21' 39.4" W91° 06' 33.3"	System Datum Geographic NAD83 (feet)	Groundwater Date Measured Depth to Water (ft) Elevation (ft)			
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
0																	
0																	
5		6			1			OH	162					145	110		
		6			2				122	38.9	0.06	0.17	12			0.041	
5		9			3				128	37.5	0.10	0.29	10	140	110	0.029	
		6			4				116	38.8	0.05	0.40	14			0.068	
10		6			5				147	32.7	0.07	0.52	15			0.054	
		8			6				126	39.2	0.07	0.63	14	120	88	0.068	
15		13			7				114	37.9	0.08		14			0.101	
		6			8				120	41.1	0.07	0.86	15	131	100	0.065	
20		6			9				138	38.2	0.03		13	121	89	0.11	
					10											0.117	
25																	
25		10			11			CH	108	43	0.07		14	100	73	0.241	
30																	
		12			12				90	45.9	0.08		15	108	86	0.16	
35																	

Log of Boring B-3



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B4
 Sheet 1 of 2

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Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA										
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
35																		
36	35.5 - 36.5	10			13					88	47.2	0.05		13			0.086	
40	39.5 - 40.5	12			14					80	49.6	0.06		11	106	73	0.158	
45	44.5 - 45.5	8			15					104	44.2	0.13		9			0.221	
50	49.5 - 50.5	14			16					99	45.4	0.09		10	117	83	0.243	

Log of Boring B-3 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B4
 Sheet 2 of 2

Start Drilled 5/17/2011	End 5/17/2011	Total Depth (ft) 54	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 2.4	Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment Pontoon-Mounted Drill Rig			
Latitude Longitude N29° 21' 27.5" W91° 06' 18.4"	System Datum Geographic NAD83 (feet)	Groundwater Date Measured Depth to Water (ft) Elevation (ft)			
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA										
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
0																		
0						▽												
5		8			1		OH	Zero (0) feet top of deck										
5								Water surface at EL +0.43 feet										
5								Mudline at EL -2.57 feet										
5		6			2			Very soft gray organic clay	181					136	101	0.047		
5								Very soft gray organic clay	153	31.7	0.06	0.17	11	157	125	0.086		
5								Very soft gray organic clay	118	40.6	0.09	0.29	11			0.144		
10		14			4			Very soft gray organic clay	131	36.6	0.07	0.40	15			0.061		
10								Very soft gray organic clay	128	39.5	0.04		9			0.126		
15		12			6			Very soft gray organic clay (Field Vane Strength = 0.022 KSF)	132	40.3	0.03		5	128	102	0.124		
15								Very soft gray organic clay	107	45.3	0.05		13			0.174		
20		12			8			Very soft gray organic clay	120	41.6	0.04		15	128	101	0.158		
20								Very soft gray organic clay	110	45.4	0.12	0.98	10			0.183		
25		12			10			Very soft gray clay	125	39	0.07	1.09	14	123	87	0.149		
25								Very soft gray clay with organic matter (Field Vane Strength = 0.072 KSF) (cuttings)	94					101	69	0.151		
30							CH	Very soft gray clay with organic matter	83	49.5	0.06	1.67	14			0.106		
35		6			12			Very soft gray clay with organic matter										

Log of Boring B-4



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B5
 Sheet 1 of 2

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Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA											
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %	
35																			
36																			
38	8				13				97	46.1	0.09	1.96	13	92	67	0.088			
40																			
42	10				14				103	49.6	0.09		15			0.151			
45																			
46	4				15			CL	32					34	13				
50																			
52	12				16				33	75.4	0.07		15						

Baton Rouge: Date: 8/5/11 Path: P:\1616771502\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBT template\lib\template\GEOENGINEERS\GDT\GEB_GEOTECH_LAB

Log of Boring B-4 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Start Drilled 5/18/2011	End 5/18/2011	Total Depth (ft) 54	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 3.5	Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment Pontoon-Mounted Drill Rig			
Latitude Longitude N29° 21' 32.7" W91° 06' 00.8"	System Datum Geographic NAD83 (feet)	Groundwater Date Measured	Depth to Water (ft)	Elevation (ft)	
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA										
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
0																		
5		12			1			OH	152	36.4	0.09	0.058	11	146	107	0.146		
		12			2				144	33.9	0.10	0.17	9			0.119		
		8			3				196	27.3	0.04		13	173	125	0.142		
		14			4				234	21.9	0.07		7			0.205		
		11			5				303	20.4	0.11	0.52	9	143	105	0.059		
		14			6				107	46.9	0.02		13			0.122		
		14			7				118	41.7	0.11	0.75	10	114	85	0.106		
		12			8				126	43.5	0.12	0.86	12			0.079		
		14			9				146	35.3	0.05	0.98	15	121	86	0.083		
		12			10				135	39.8	0.02		15	130	103	0.097		
		9			11				115	39.2	0.05	1.38	14			0.079		
		14			12			CH	89	51.4	0.02		15			0.194		

Log of Boring B-5



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B6
 Sheet 1 of 2

Baton Rouge: Date: 8/5/11 Path: P:\16715\20\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBT template\16715\20\GINT\GEOENGINEERS\GDT\GEBR_GEOTECH_LAB

Baton Rouge: Date: 8/5/11 Path: P:\1618771502\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBT template\lbt template\GEOENGINEERS.GDT\GEBR_GEOTECH_LAB

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA										
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
35																		
36	36.5	37.5	14		13				89	50.8	0.06		12	88	66	0.119		
40	39.5	40.5	9		14				86	51.4	0.05	2.25	14			0.126		
45	44.5	45.5	8		15				73	60.1	0.06		15	87	63	0.167		
50	49.5	50.5	12		16				71	53.5	0.04	2.82	15			0.248		

Log of Boring B-5 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B6
 Sheet 2 of 2

Baton Rouge: Date: 8/5/11 Path: P:\1616771502\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBI template\dt\template\GEOENGINEERS.GDT\GEB_GEOTECH_LAB

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA										
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
35								OH										
35	36	6			13				Very soft gray organic clay with organic matter	158								
40								CH										
40	42	12			14				Very soft gray clay with organic matter	67	61.8	0.15	2.25	13	82	55		
45																		

Log of Boring B-7 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B8
 Sheet 2 of 2

Drilled	Start 5/15/2011	End 5/15/2011	Total Depth (ft)	27	Logged By Checked By	DAS VT	Driller	GeoEngineers, Inc.	Drilling Method	Rotary Wash
Surface Elevation (ft) Vertical Datum	2.2			Hammer Data	Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop			Drilling Equipment	Pontoon-Mounted Drill Rig	
Latitude Longitude	N29° 20' 25.7" W91° 02' 14.6"			System Datum	Geographic NAD83 (feet)			Groundwater Date Measured	Depth to Water (ft)	Elevation (ft)
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill full depth.										

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
0																	
0						▽											
5																	
5		11			1		CH	101					98	71			
10		13			2			133					56	38			
10		4			3			67					77	51			
15		5			4												
15		9			5			82									
20		10.5			6			94									
20					7												
20		9			8			102									
25		8			9												
25		8			10			118									

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Log of Boring B-8



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B9
Sheet 1 of 1

Start Drilled 5/15/2011	End 5/15/2011	Total Depth (ft) 27	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 2.1		Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment Pontoon-Mounted Drill Rig		
Latitude Longitude N29° 19' 57.4" W91° 02' 05.6"		System Datum Geographic NAD83 (feet)	Groundwater Date Measured Depth to Water (ft) Elevation (ft)		
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill full depth.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
0																	
0						▽											
5																	
5																	
5																	
10		10			1		CH	Very soft gray clay with shells	117					94	63		
10		13			2			Very soft gray clay with organic matter	76					68	43		
10		12.5			3			Very soft gray clay with organic matter	152								
10		13			4			Very soft gray clay with organic shells	132					105	71		
15		14			5			Very soft gray clay with organic matter									
15		12			6			Very soft gray clay with organic matter	122								
20		14			7			Very soft gray clay with organic matter									
20		14			8			Very soft gray clay with organic matter	104								
25					9			Very soft gray clay with organic matter									
25		14			10			Very soft gray clay with organic matter	112								

Baton Rouge: Date: 8/5/11 Path: P:\161771502\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBI template\lib\template\GEOENGINEERS\GDT\GEB_GEO TECH_LAB

Log of Boring B-9		
	Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)	Figure I-B10 Sheet 1 of 1
	Project Location: Terrebonne Parish, Louisiana	
	Project Number: 16715-020-00	

Drilled	Start 5/14/2011	End 5/14/2011	Total Depth (ft)	26	Logged By Checked By	DAS VT	Driller	GeoEngineers, Inc.	Drilling Method	Rotary Wash
Surface Elevation (ft) Vertical Datum	2.1			Hammer Data	Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop			Drilling Equipment	Pontoon-Mounted Drill Rig	
Latitude Longitude	N29° 20' 16.2" W91° 01' 42.7"			System Datum	Geographic NAD83 (feet)			Groundwater Date Measured	Depth to Water (ft)	Elevation (ft)
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill full depth.										

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
0																	
0						▽											
5																	
5		13			1		CH	105					87	62			
10		14			2			98					83	54			
10		14			3			101					78	48		99	
15		14			4												
15		14			5			92									
20		16			6												
20		18			7			106									
25		14			8			76									
25		5			9												
25					10		CH	62									

Log of Boring B-10



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B11
 Sheet 1 of 1

Baton Rouge: Date: 8/5/11 Path: P:\1616771502\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBI template\lib\template\GEOENGINEERS\GDT\GEBR_GEOTECH_LAB

Start Drilled 5/14/2011	End 5/14/2011	Total Depth (ft) 45	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 2.7	Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment Pontoon-Mounted Drill Rig			
Latitude Longitude N29° 21' 21.9" W90° 59' 25.9"	System Datum Geographic NAD83 (feet)	Groundwater Date Measured Depth to Water (ft) Elevation (ft)			
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA										
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
0																		
5		5			1			CL	38	76.8	0.37	0.06	11	35	14			
6		6			2			OL	248	33.3	0.11	0.17	11	42	18			
8		8			3			PT	220	24.1				241	179			83
10		10			4			CL										
12		12			5				71					40	12			
15		13			6				18	108.9	0.36	0.63	11	33	14	0.054		97
11		11			7			CH	44	64.1	0.04	0.75	11	99	67	0.077		
20		10			8				106	44.9	0.09	0.86	10	112	79	0.083		
9		9			9				71	58.6	0.08	0.98	14	67	45			
10		10			10													0.101
13		13			11				90	48.4	0.15	1.38	14	104	72			
11		11			12				96									0.223

Log of Boring B-12



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B13
 Sheet 1 of 2

Baton Rouge: Date: 8/5/11 Path: P:\1616771502\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBT template\lib\template\GEOENGINEERS\GDT\GEBR_GEOTECH_LAB

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA										
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
35																		
36																		
37																		
38																		
39																		
40	39.5 - 40.0	11			13				76	51.9	0.07	1.96	15	118	86	0.192		
41																		
42																		
43																		
44																		
45	44.5 - 45.0	13			14				111	45.3	0.11	2.3	10	115	84	0.237		

Log of Boring B-12 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Start Drilled 5/13/2011	End 5/13/2011	Total Depth (ft) 44	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 3.0	Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment Pontoon-Mounted Drill Rig			
Latitude Longitude N29° 21' 32.8" W90° 59' 47.4"	System Datum Geographic NAD83 (feet)	Groundwater Date Measured	Depth to Water (ft)	Elevation (ft)	
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA										
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
0																		
0																		
5	14				1			CH	118	45.6	0.14	0.058	10	99	71	0.149		
	9				2				69	65.3	0.11	0.173	11	79	54	0.18		
	10				3				53					85	58	0.282		
10	10				4				51					143	99			
	12				5				61	64.2	0.17	0.52	10	80	53	0.279		
15	14				6				55	72.3	0.16	0.63	11	52	24			
	11				7				71	59.3	0.09	0.75	13	51	31			
20	24				8			CL	34					29	11			
	8				9			CH									0.214	
25	23				10				72	59.9	0.09		15	54	33	0.05		
	9				11				61	64.8	0.13	1.38	14	52	27			
30					12				44	78.8	0.36		9	65	43			
35	19																	

Log of Boring B-14



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B15
 Sheet 1 of 2

Baton Rouge: Date: 8/5/11 Path: P:\1616771502\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBI template\lib\template\GEOENGINEERS\GDT\GEB_GEOTECH_LAB

Start Drilled 5/19/2011	End 5/19/2011	Total Depth (ft) 53	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 2.6	Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment Pontoon-Mounted Drill Rig			
Latitude Longitude N29° 21' 54.7" W90° 58' 58.0"	System Datum Geographic NAD83 (feet)	Groundwater Date Measured Depth to Water (ft) Elevation (ft)			
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA											
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %	
0																			
0						▽													
5																			
10																			
10		10						CL											
15		9						CL											
15		10						CH											
20		13																	
20		10																	
25		14																	
25		9																	
30		6																	
30		10																	
35																			

Log of Boring B-15



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B16
 Sheet 1 of 2

Baton Rouge: Date: 8/5/11 Path: P:\1616771502\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBT template\lib\template\GEOENGINEERS\GDT\IGEB_GEOTECH_LAB

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
35		11			11			Soft gray clay	67	63.1	0.27		8	92	59		
40		13			12			Soft gray clay with shell	50	71.1	0.31		10		0.316		
45		11			13			Very soft gray clay	62	64.4	0.22		4	94	56	0.455	
50		9			14			Very soft gray clay with organic matter	88	53.9	0.15		3		0.469		

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Log of Boring B-15 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Start Drilled 5/27/2011	End 5/27/2011	Total Depth (ft) 64	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 4.1	Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment Marsh Buggy-Mounted Drill Rig			
Latitude Longitude N29° 21' 37.0" W91° 00' 05.0"	System Datum Geographic NAD83 (feet)	Groundwater Date Measured Depth to Water (ft) Elevation (ft)			
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA										
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
0																		
5		13						PT	467	14.5	0.08	0.058	12	215	125			
		10							399	17.7	0.05	0.173	11	98	70	0.095		
10		14						OH	150	36.8	0.11	0.40	12	91	63	0.203		
		11						CH	98	49.1	0.16	0.52	11	83	55	0.176		
		9							65	61.5	0.25	0.63	12	86	58	0.203		
		10							68	61.4	0.12	0.75	10	84	55	0.189		
		4						CL-ML	33	87.2	0.19	0.86	12	26	4		78	
		14						CH	64					89	59		99	
		8						CL-ML	27	89.9	0.67	1.09	12				75	
		12						CH	85	52.5	0.20	1.38	11	86	59			
		10						PT	264	19.8	0.34		6					
35																		

Log of Boring B-16



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B17
 Sheet 1 of 2

Baton Rouge: Date: 8/5/11 Path: P:\161671502\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBT template\lib\template\GEOENGINEERS\GDT\GEBR_GEO TECH_LAB

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
35								CH									
36	35.5 - 36.5	8			13				Very soft gray clay with organic matter, 4" peat layer and shells	84	45.8	0.14	1.96	13	44	26	
40	39.5 - 40.5	7			14				Very soft gray clay with organic matter	82							
45	44.5 - 45.5	9			15				Very soft gray clay with organic matter							0.059	
50	49.5 - 50.5	10			16				Very soft gray clay with organic matter and 4" peat layer	189	28.6	0.24		10	106	79	
55	54.5 - 55.5	12			17				Very soft gray clay with organic matter and 2" peat layer	54	62.3	0.16		11			
60	59.5 - 60.5	13			18				Very soft gray clay with organic matter and wood	98					114	79	

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Log of Boring B-16 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B17
 Sheet 2 of 2

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA											
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %	
35					13														
38																			
40		13			14			PI		270	21.2	0.14		10	367	244	0.419		
40																			0.261

Log of Boring B-17 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Start Drilled 5/28/2011	End 5/28/2011	Total Depth (ft) 44	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 3.7		Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop		Drilling Equipment Marsh Buggy-Mounted Drill Rig	
Latitude Longitude N29° 21' 37.0" W91° 01' 00.0"		System Datum Geographic NAD83 (feet)		Groundwater Date Measured	
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.				Depth to Water (ft) Elevation (ft)	

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
0																	
								Zero (0) feet top of deck									
								Water surface at EL +0.65 feet									
								Mudline at EL -0.35 feet									
	9	1					CH	Very soft gray clay with organic matter	88	50.2	0.02		15	95	68	0.18	
	9	2					OH	Very soft gray organic clay	120	32.8	0.10	1.173	15			0.063	
	6	3					CH	Very soft gray clay with organic matter	104					96	66	0.158	
	10	4						Very soft gray clay with organic matter (Field Vane Strength = 0.036 KSF)	89	60	0.07		15			0.133	
	13	5						Very soft gray clay with organic matter	80	58.6	0.09		9	79	50	0.17	
	8	6					CL	Very soft gray silty clay with organic matter (Field Vane Strength = 0.077 KSF)	38	70.8	0.17	0.63	15	39	15		
		7						Very soft gray silty clay with organic matter (cuttings)									
	6	8					SM	Firm gray silty sand									46
	5	9					SP-SM	Firm gray sand with silt									27
	10	10					CH	Very soft gray clay with organic matter	80	55.4	0.21		4	84	56	0.268	
	11	11						Very soft gray clay with organic matter	40	72.1	0.04		15			0.162	
	13	12						Very soft gray clay with organic matter	94	43.4	0.10		14	103	62	0.18	

Log of Boring B-18



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B19
 Sheet 1 of 2

Baton Rouge: Date: 8/5/11 Path: P:\1616771502\GINT\LOST LAKE MARSH CREATION BORING LOGS.GPJ DBT template\lib\template\GEOENGINEERS\GDT\GEBR_GEO TECH_LAB

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA										
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
35								PT										
35	35.5 - 36.5	11			13				85	43	0.13		5	328	190	0.169		
40								OH										
40	39.5 - 40.5				14				131	33.7	0.15		4	137	100	0.189		

Log of Boring B-18 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Start Drilled 5/20/2011	End 5/20/2011	Total Depth (ft) 54	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 2.8	Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment Pontoon-Mounted Drill Rig			
Latitude Longitude N29° 23' 14.1" W91° 01' 49.5"	System Datum Geographic NAD83 (feet)	Groundwater Date Measured Depth to Water (ft) Elevation (ft)			
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
0																	
5	10			1			OH	Very soft gray organic clay	189	26.4	0.04	0.058	14	177	134	0.061	
				2				No sample recovered									
				3			PT	Very soft dark gray peat (Field Vane Strength = 0.025 KSF)	408					329	257	0.074	
				4				Very soft gray peat	213	21.7	0.03	0.40	11			0.072	
				5				Very soft gray peat	200	25.4	0.08	0.52	6	208	157	0.081	
				6			OH	Very soft gray organic clay	175	30.6	0.11	0.63	8			0.079	
				7				Very soft gray organic clay	87	48.9	0.14	0.75	15	146	108	0.095	
				8	7.5			Very soft gray organic clay with shell, organic matter and 2" peat layer (*FVS = 0.046 KSF)	506	14.3	0.06		13	157	121	0.198	
				9	4			Very soft gray organic clay	242							0.255	
				10	12			Very soft gray organic clay with shell and 1" peat layer	179	32.4	0.04		10	160	121	0.214	
				11	4		CL	Very soft gray clay with silt, organic matter and shell	53	73	0.15		15	47	25	0.171	
				12	16			Very soft gray clay with silt, organic matter and shell	44	78.3	0.48		8			0.613	

Log of Boring B-19



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B20
 Sheet 1 of 2

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Elevation (feet)	FIELD DATA					Group Classification	MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name			Water Level	Graphic Log	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
35																	
36	35.0 - 36.0	10			13		CH	Very soft gray clay with organic matter	51	74.6	0.23		15	60	38	0.216	
40	38.0 - 39.0	10			14			Soft gray clay with shell and organic matter	55	71.5	0.29		15			0.297	
45	43.0 - 44.0	12			15			Very soft gray clay with organic matter	66	66.9	0.08		15	59	31	0.21	
50	48.0 - 49.0	12			16			Soft gray clay with organic matter	56	70.6	0.37		14			0.622	

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Log of Boring B-19 (continued)



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B20
 Sheet 2 of 2

Start Drilled 5/19/2011	End 5/19/2011	Total Depth (ft) 58	Logged By Checked By DAS VT	Driller GeoEngineers, Inc.	Drilling Method Rotary Wash
Surface Elevation (ft) Vertical Datum 2.8	Hammer Data Safety Hammer/Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment Pontoon-Mounted Drill Rig			
Latitude Longitude N29° 23' 37.2" W91° 02' 09.4"	System Datum Geographic NAD83 (feet)	Groundwater Date Measured Depth to Water (ft) Elevation (ft)			
Notes: See Figure A-1 for explanation of symbols. Cement-bentonite grout backfill top 25 feet.					

Elevation (feet)	FIELD DATA						MATERIAL DESCRIPTION	LABORATORY DATA									
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level		Graphic Log	Group Classification	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)
0																	
0																	
5																	
5																	
10		10			1		PT	Very soft gray peat	181	26.1	0.10	0.58	13	218	175	0.088	
10		13			2		OH	Very soft gray organic clay with organic matter	119	40.4	0.08	0.17	15			0.104	
10		6			3			Gray organic clay with organic matter	104					117	80	0.061	
15		8			4			Very soft gray organic clay with organic matter and silt	95	46	0.08	0.40	11			0.088	
15		6			5			Very soft gray organic clay (Field Vane Strength = 0.025 KSF)	133	38	0.09	0.52	10	106	76		
15		5			6			Very soft dark gray organic clay	138					183	145	0.219	
20		5			7			Very soft gray organic clay with organic matter	208	26.7	0.08		11			0.153	
20		12			8			Very soft dark gray organic clay	235	25	0.04		15	131	92	0.176	
25		12			9			Very soft gray organic clay	150	32.6	0.05		15			0.23	
25		6			10			Very soft dark gray organic clay (Field Vane Strength = 0.043 KSF)	249	25.3	0.05		10	208	158	0.232	
30																	
30		12			11		CH	Very soft gray clay with organic matter	52	57.4	0.04		14			0.156	
35																	

Log of Boring B-20



Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B21
 Sheet 1 of 2

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Elevation (feet)	FIELD DATA						LABORATORY DATA											
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Water Content, %	Dry Density, (pcf)	Compressive Strength (TSF) ¹	Confining Pressure (KSF)	Strain, %	Liquid Limit (LL), %	Plasticity Index (PI), %	Mini Vane Shear Strength (KSF)	Passing No. 200 Sieve, %
35		6			12			OH	Very soft gray organic clay	201	32.5	0.08		15			0.176	
35								CH	Very soft gray clay with organic matter	73	57.2	0.11		14	85	59	0.162	
40		11			13			OH	Soft gray organic clay with organic matter	182	32.6	0.09		15			0.352	
45		10			14			CH	Soft gray clay with organic matter	75	55.7	0.09		15			0.309	
45								OH	Soft dark gray organic clay	110					143	105	0.349	
50		13			15													
55		4			16													

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Log of Boring B-20 (continued)

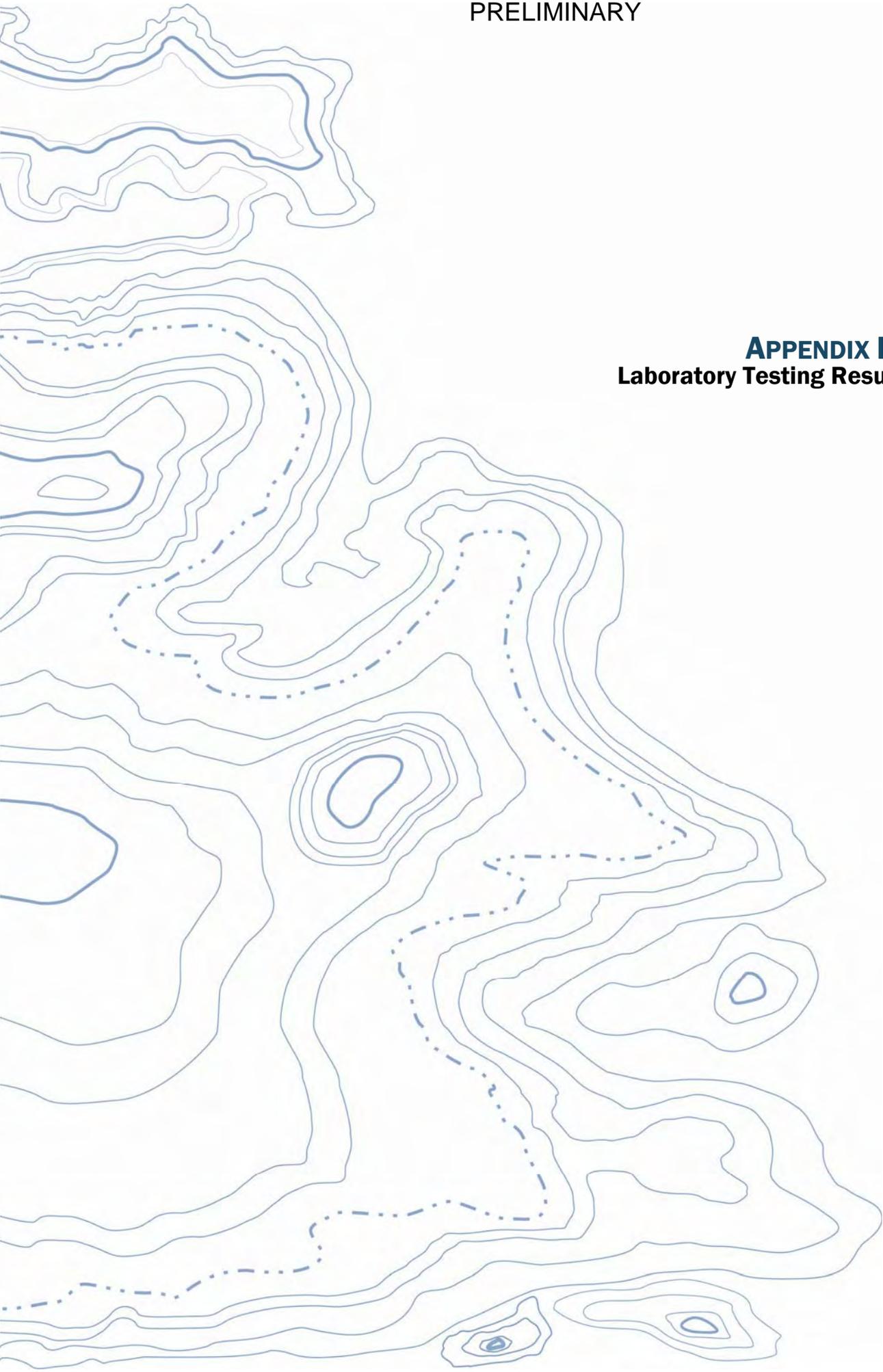


Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project Location: Terrebonne Parish, Louisiana
 Project Number: 16715-020-00

Figure I-B21
 Sheet 2 of 2

PRELIMINARY

APPENDIX I-C
Laboratory Testing Results

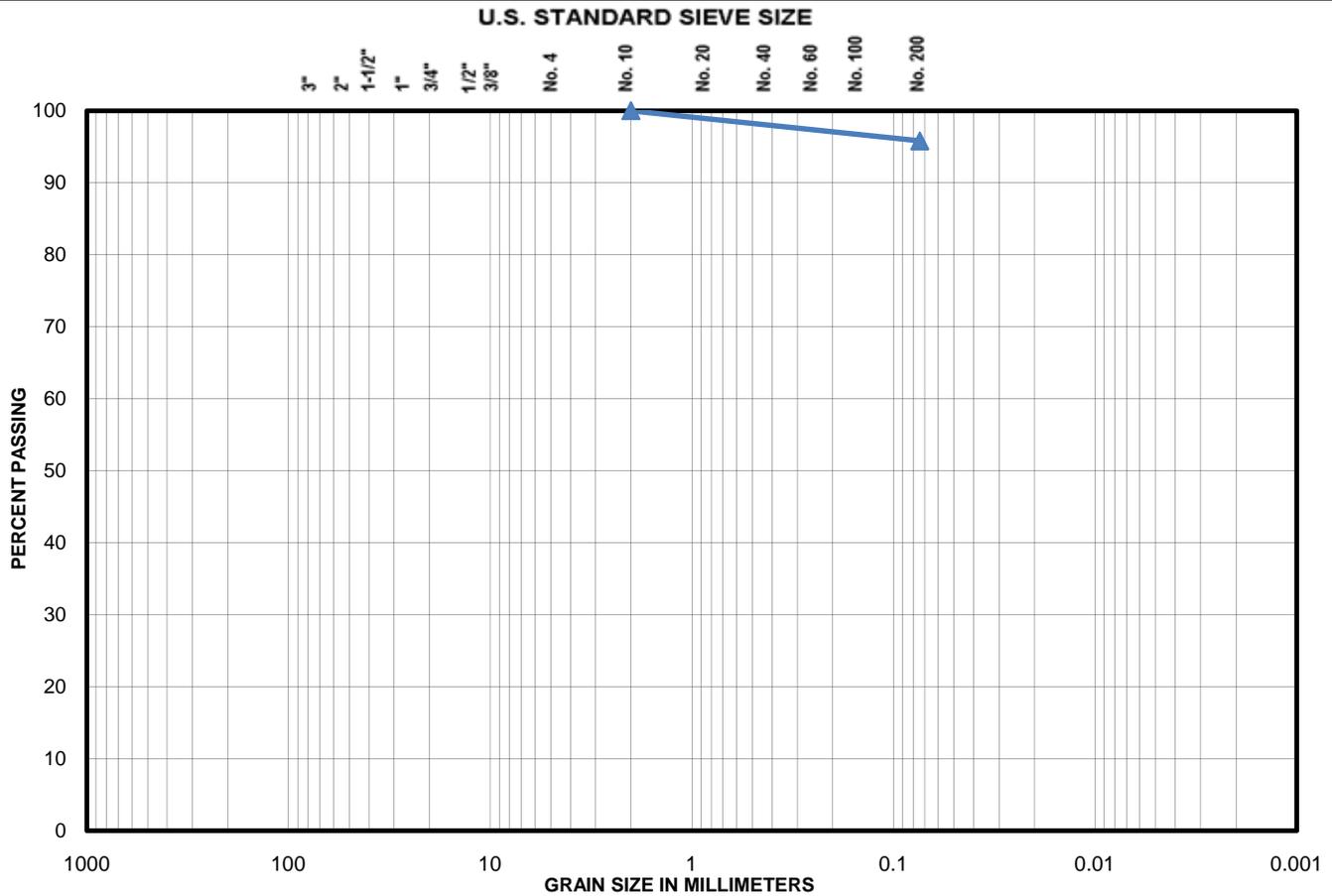


APPENDIX I-C LABORATORY ANALYSES

Each semi cohesive and cohesive sample was subjected to a laboratory mini vane test prior to extrusion. Upon extrusion, each sample was examined to confirm or modify field classifications. Representative samples were selected for laboratory testing consisting of moisture content, dry unit weight, unconfined compression, unconsolidated undrained compression, sieve analysis, consolidation testing and Atterberg limits. Stress-strain plots and laboratory summary sheets are included in this appendix. The laboratory test results are also presented on the boring logs in Appendix I-B.

Testing and reports, titled “Sediment Geotechnical Properties and Settling Properties of Sediment” were completed by the Department of Civil and Environmental Engineering at Louisiana State University. Soil samples required to perform settling column test and self weight consolidation tests were prepared from borings B-6, 8, and 9, and the test results are presented in this appendix.

All field and laboratory testing generally conformed to appropriate ASTM standards. Field and laboratory analyses provide the basis, along with our expertise and experience, for evaluating this site for the proposed project.



COBBLES	GRAVEL		SAND			FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

Coarse Gravel %	0.0	Medium Sand %	0.0		
Fine Gravel %	0.0	Fine Sand %	4.2		
Coarse Sand %	0.0	Fines (Silt & Clay) %	95.8		
USC Classification	0.0	C _u	na	C _c	na
Description (D 2488)	Silt with organic matter and trace sand (ML)				

Individual Sieve Data - % Passing			
3"	#N/A	No. 4	#N/A
2"	#N/A	No. 10	100.0
1 1/2"	#N/A	No. 20	#N/A
1"	#N/A	No. 40	#N/A
3/4"	#N/A	No. 60	#N/A
1/2"	#N/A	No. 100	#N/A
3/8"	#N/A	No. 200	95.8

Project	Lost Lake Marsh Creation	Date Tested	6/7/2011
Project No.	16715-020-00	Tested By	OS
Boring No.	11.0	Checked By	DAS
Source/Depth	15-17	Sieve Type	200 Wash

NOTE: Test was performed in general accordance with the referenced test method. Test results are applicable only to the specific sample on which they were performed, and should not be interpreted as representative of any other samples obtained at other times, depths or locations or generated by separate operations or processes. This report may not be reproduced, except in full, without written approval of GeoEngineers, Inc.



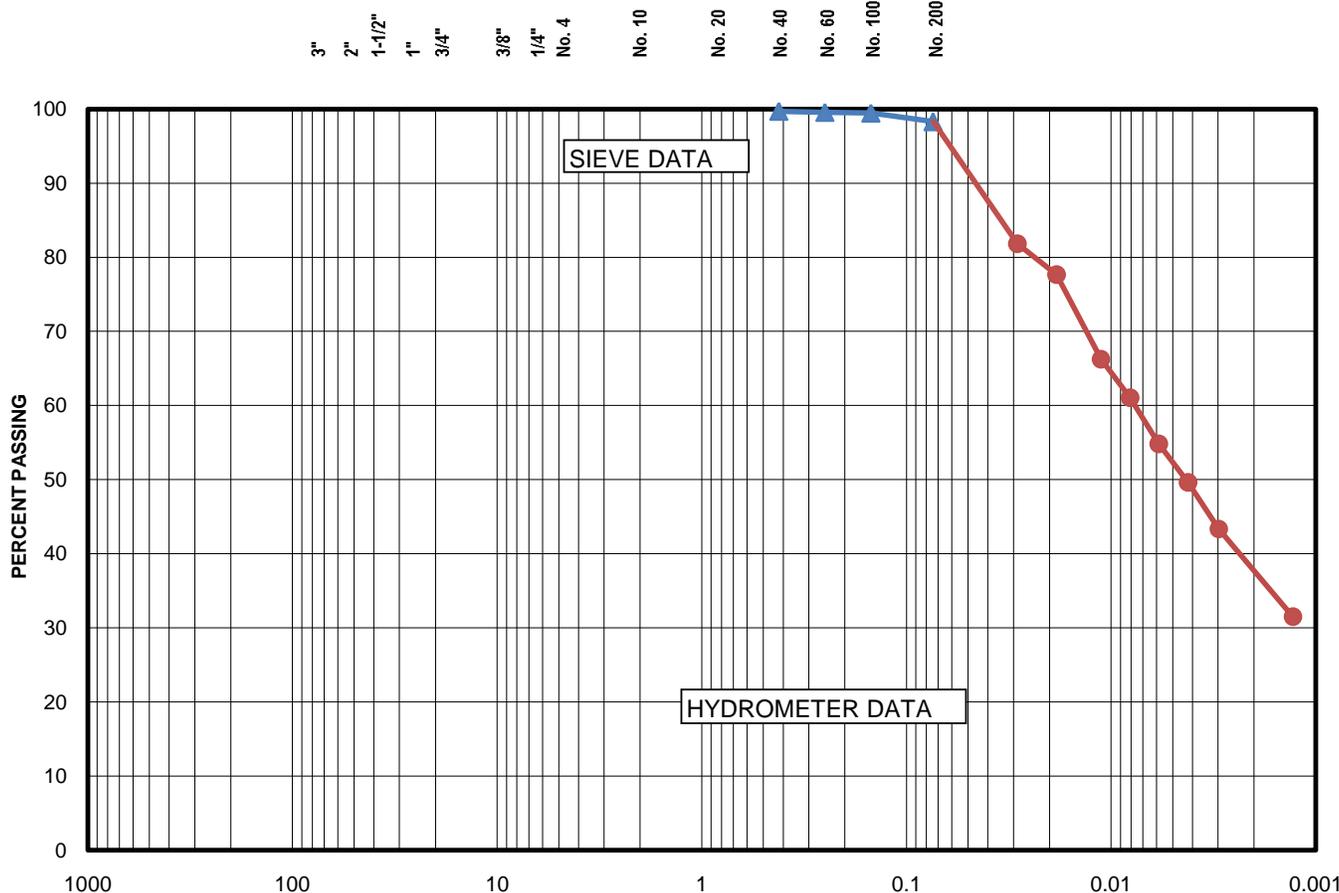
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ASTM D 422 SOIL PARTICLE SIZE ANALYSIS

Lost Lake Marsh Creation

16715-020-00

U.S. STANDARD SIEVE SIZE



COBBLES	GRAVEL		SAND			FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

Description (D 2488)	Gray clay with shell fragments (CH)
-----------------------------	-------------------------------------

Individual Sieve Data - % Passing			
3"	100.0	No. 4	100.0
2"	100.0	No. 10	100.0
1 1/2"	100.0	No. 20	100.0
1"	100.0	No. 40	99.7
3/4"	100.0	No. 60	99.6
3/8"	100.0	No. 100	99.5
1/4"	100.0	No. 200	98.3

Specific Gravity*	2.65
Dispersion Device	Type A
Dispersion Time	1 min.
Dispersing Agent	(NaPO ₃) ₆
Hydrometer Type	ASTM 152 H
Hydrometer ID:	54355
Hydro jar ID:	1164

*assumed unless noted

Project	Lost Lake Marsh Creation	Date Tested	6/1/2011
Project No.	16715-020-00	Tested By	BH
Sample ID.	6	Checked By	DU
Source/Depth (feet)	7-9	Project Manager	VT

NOTE: Test was performed in general accordance with the referenced test method. Test results are applicable only to the specific sample on which they were performed, and should not be interpreted as representative of any other samples obtained at other times, depths or locations or generated by separate operations or processes. This report may not be reproduced, except in full, without written approval of GeoEngineers, Inc.



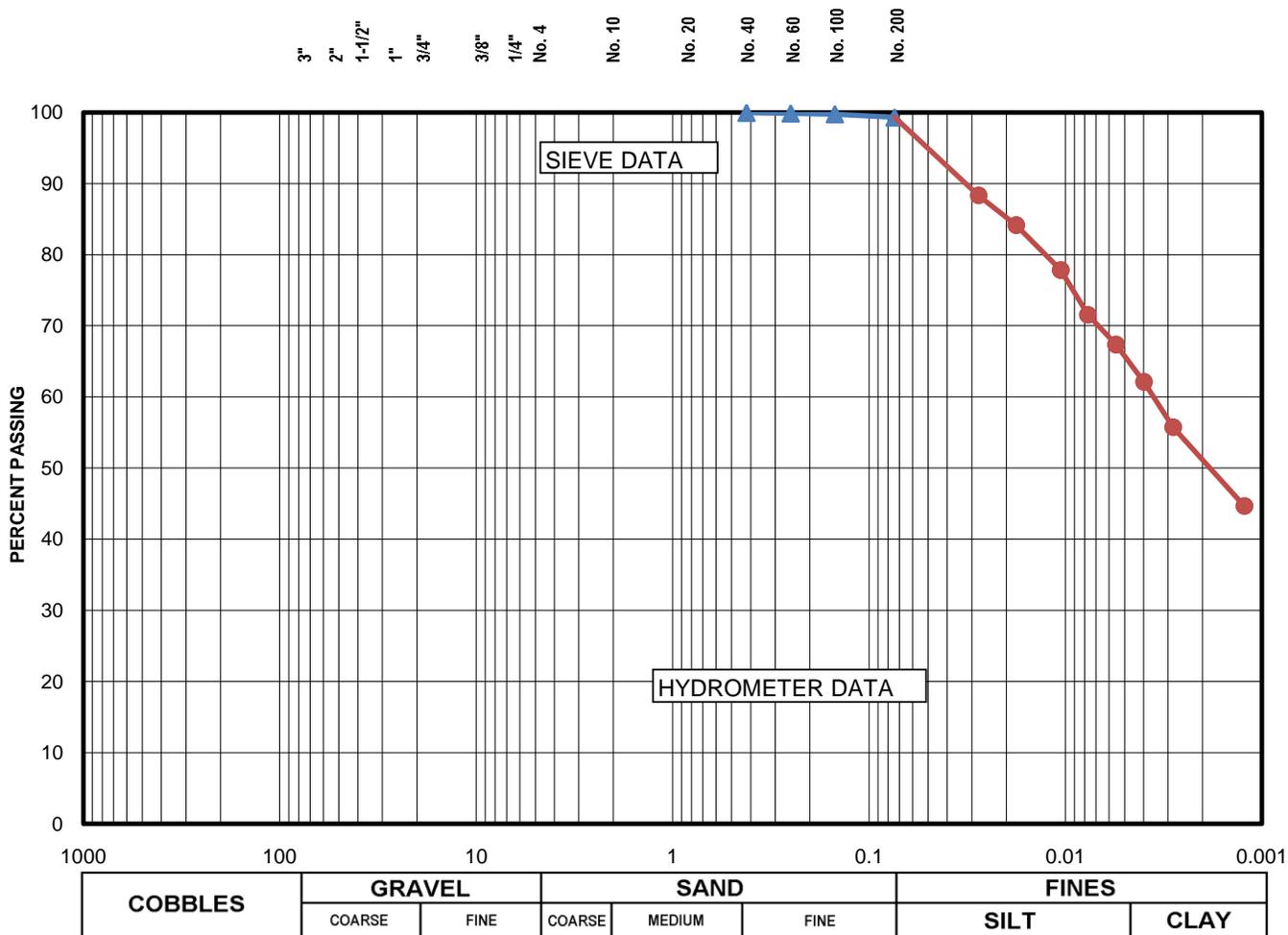
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ASTM D 422 SOIL PARTICLE SIZE ANALYSIS

Lost Lake Marsh Creation

16715-020-00

U.S. STANDARD SIEVE SIZE



Description (D 2488)	Gray clay (CH)
-----------------------------	----------------

Individual Sieve Data - % Passing			
3"	100.0	No. 4	100.0
2"	100.0	No. 10	100.0
1 1/2"	100.0	No. 20	100.0
1"	100.0	No. 40	99.9
3/4"	100.0	No. 60	99.9
3/8"	100.0	No. 100	99.7
1/4"	100.0	No. 200	99.3

Specific Gravity*	2.65
Dispersion Device	Type A
Dispersion Time	1 min.
Dispersing Agent	(NaPO ₃) ₆
Hydrometer Type	ASTM 152 H
Hydrometer ID:	687515
Hydro jar ID:	1165

*assumed unless noted

Project	Lost Lake Marsh Creation	Date Tested	6/1/2011
Project No.	16715-020-00	Tested By	BH
Sample ID.	10	Checked By	DU
Source/Depth (feet)	9-11	Project Manager	VT

NOTE: Test was performed in general accordance with the referenced test method. Test results are applicable only to the specific sample on which they were performed, and should not be interpreted as representative of any other samples obtained at other times, depths or locations or generated by separate operations or processes. This report may not be reproduced, except in full, without written approval of GeoEngineers, Inc.



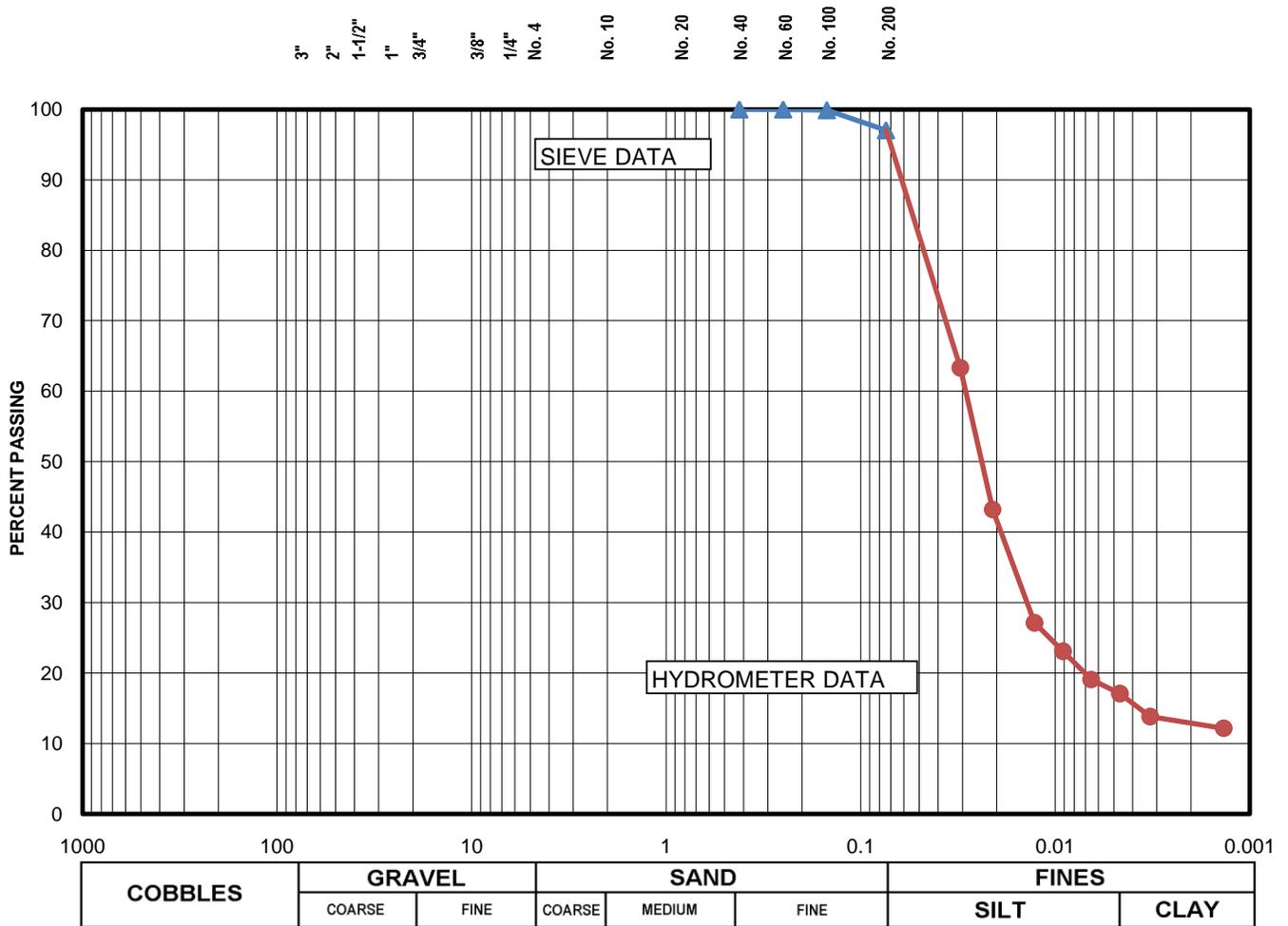
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ASTM D 422 SOIL PARTICLE SIZE ANALYSIS

Lost Lake Marsh Creation

16715-020-00

U.S. STANDARD SIEVE SIZE



COBBLES	GRAVEL		SAND			FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

Description (D 2488)	Gray very silty clay (CL)
-----------------------------	---------------------------

Individual Sieve Data - % Passing			
3"	100.0	No. 4	100.0
2"	100.0	No. 10	100.0
1 1/2"	100.0	No. 20	100.0
1"	100.0	No. 40	100.0
3/4"	100.0	No. 60	100.0
3/8"	100.0	No. 100	99.9
1/4"	100.0	No. 200	97.0

Specific Gravity*	2.65
Dispersion Device	Type A
Dispersion Time	1 min.
Dispersing Agent	(NaPO ₃) ₆
Hydrometer Type	ASTM 152 H
Hydrometer ID:	54355
Hydro jar ID:	1165

*assumed unless noted

Project	Lost Lake Marsh Creation	Date Tested	6/8/2011
Project No.	16715-020-00	Tested By	BH
Sample ID.	12	Checked By	DU
Source/Depth (feet)	13-15	Project Manager	VT

NOTE: Test was performed in general accordance with the referenced test method. Test results are applicable only to the specific sample on which they were performed, and should not be interpreted as representative of any other samples obtained at other times, depths or locations or generated by separate operations or processes. This report may not be reproduced, except in full, without written approval of GeoEngineers, Inc.



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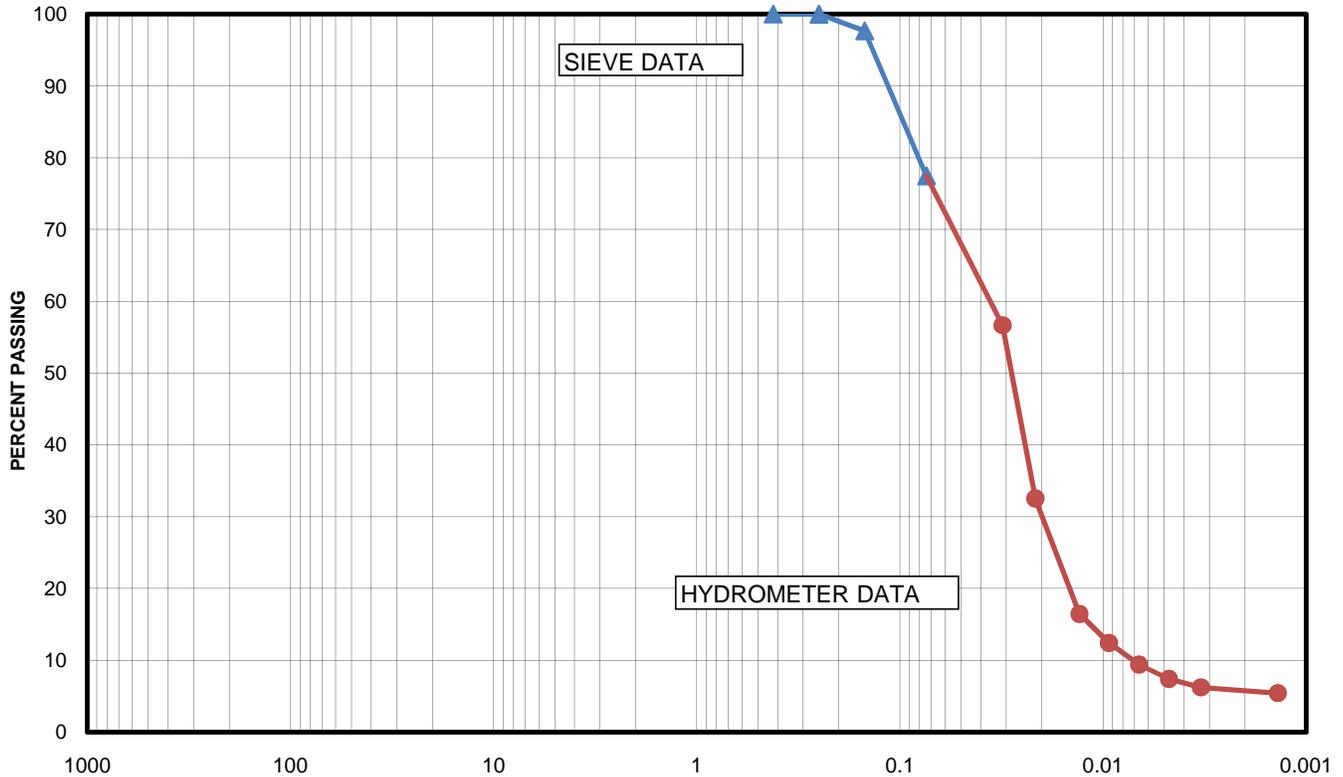
ASTM D 422 SOIL PARTICLE SIZE ANALYSIS

Lost Lake Marsh Creation

16715-020-00

U.S. STANDARD SIEVE SIZE

3" 2" 1-1/2" 1" 3/4" 3/8" 1/4" No. 4 No. 10 No. 20 No. 40 No. 60 No. 100 No. 200



COBBLES	GRAVEL		SAND			FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

Description (D 2488) Gray clayey silt with sand (CL-ML)

Individual Sieve Data - % Passing			
3"	100.0	No. 4	100.0
2"	100.0	No. 10	100.0
1 1/2"	100.0	No. 20	100.0
1"	100.0	No. 40	100.0
3/4"	100.0	No. 60	100.0
3/8"	100.0	No. 100	97.7
1/4"	100.0	No. 200	77.5

Specific Gravity*	2.65
Dispersion Device	Type A
Dispersion Time	1 min.
Dispersing Agent	(NaPO ₃) ₆
Hydrometer Type	ASTM 152 H
Hydrometer ID:	68515
Hydro jar ID:	1164

*assumed unless noted

Project	Lost Lake Marsh Creation	Date Tested	6/8/2011
Project No.	16715-020-00	Tested By	BH
Sample ID.	16	Checked By	DU
Source/Depth (feet)	18-20	Project Manager	VT

NOTE: Test was performed in general accordance with the referenced test method. Test results are applicable only to the specific sample on which they were performed, and should not be interpreted as representative of any other samples obtained at other times, depths or locations or generated by separate operations or processes. This report may not be reproduced, except in full, without written approval of GeoEngineers, Inc.



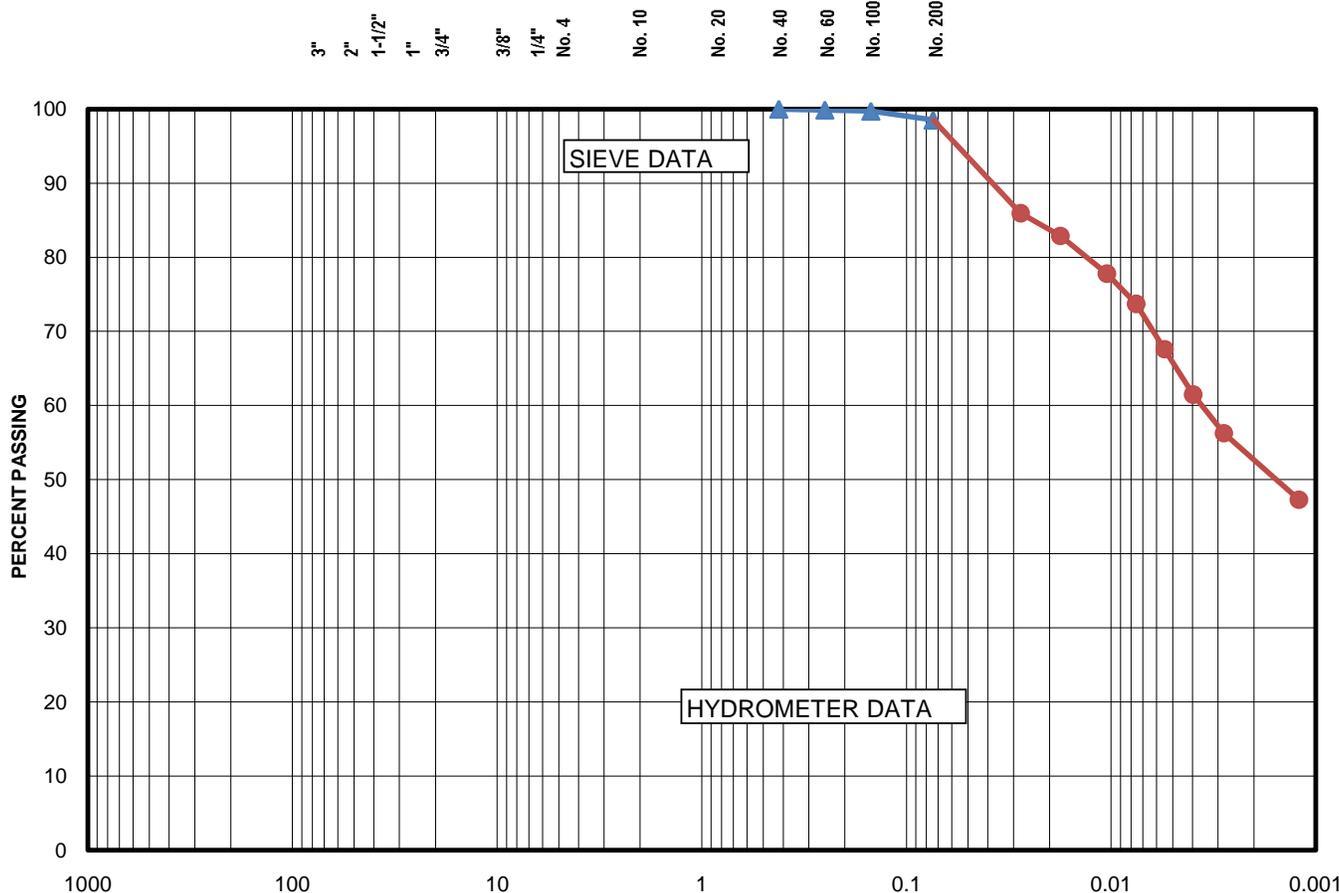
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ASTM D 422 SOIL PARTICLE SIZE ANALYSIS

Lost Lake Marsh Creation

16715-020-00

U.S. STANDARD SIEVE SIZE



COBBLES	GRAVEL		SAND			FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

Description (D 2488)	Gray clay (CH)
-----------------------------	----------------

Individual Sieve Data - % Passing			
3"	100.0	No. 4	100.0
2"	100.0	No. 10	100.0
1 1/2"	100.0	No. 20	100.0
1"	100.0	No. 40	100.0
3/4"	100.0	No. 60	99.9
3/8"	100.0	No. 100	99.7
1/4"	100.0	No. 200	98.5

Specific Gravity*	2.65
Dispersion Device	Type A
Dispersion Time	1 min.
Dispersing Agent	(NaPO ₃) ₆
Hydrometer Type	ASTM 152 H
Hydrometer ID:	3000
Hydro jar ID:	1154

*assumed unless noted

Project	Lost Lake Marsh Creation	Date Tested	6/8/2011
Project No.	16715-020-00	Tested By	BH
Sample ID.	16	Checked By	DU
Source/Depth (feet)	20-22	Project Manager	VT

NOTE: Test was performed in general accordance with the referenced test method. Test results are applicable only to the specific sample on which they were performed, and should not be interpreted as representative of any other samples obtained at other times, depths or locations or generated by separate operations or processes. This report may not be reproduced, except in full, without written approval of GeoEngineers, Inc.



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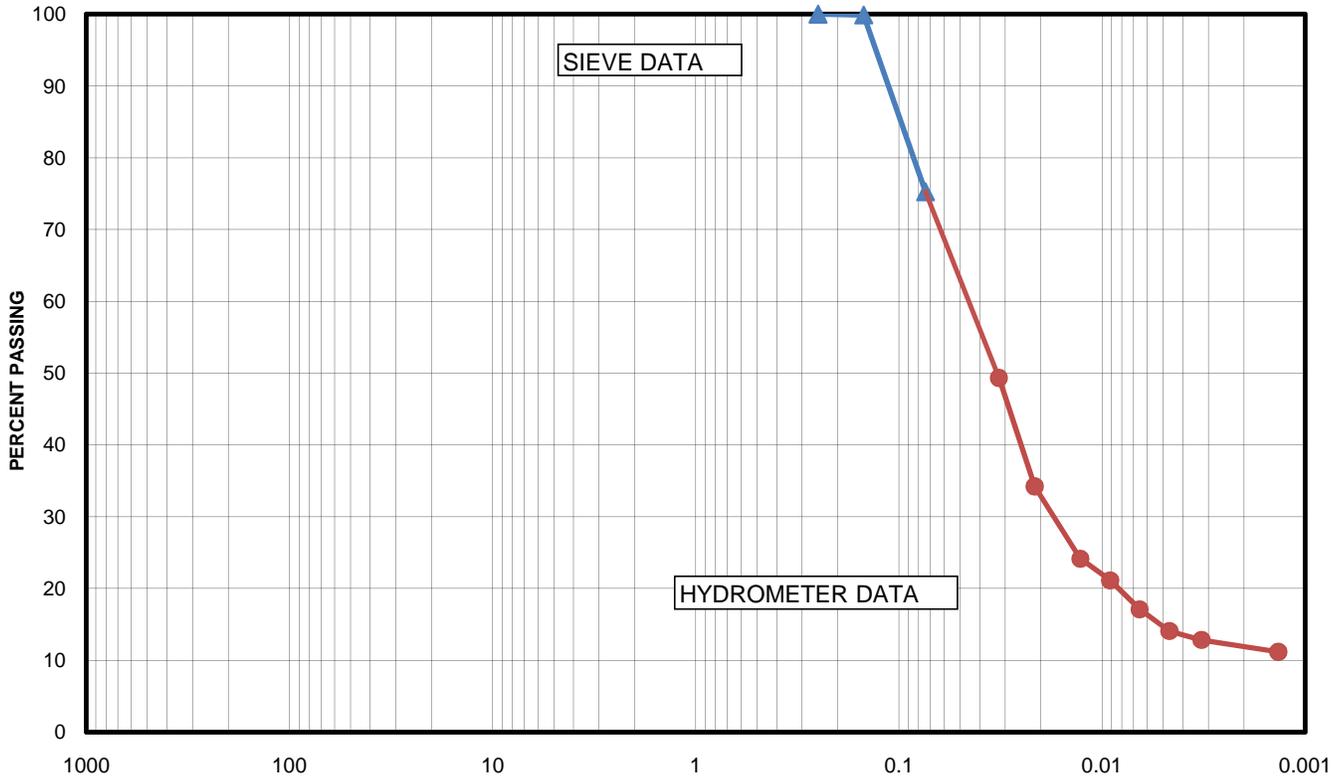
ASTM D 422 SOIL PARTICLE SIZE ANALYSIS

Lost Lake Marsh Creation

16715-020-00

U.S. STANDARD SIEVE SIZE

3" 2" 1-1/2" 1" 3/4" 3/8" 1/4" No. 4 No. 10 No. 20 No. 40 No. 60 No. 100 No. 200



COBBLES	GRAVEL		SAND			FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

Description (D 2488) Gray clayey silt with fine sand (CL-ML)

Individual Sieve Data - % Passing			
3"	100.0	No. 4	100.0
2"	100.0	No. 10	100.0
1 1/2"	100.0	No. 20	#N/A
1"	100.0	No. 40	#N/A
3/4"	100.0	No. 60	100.0
3/8"	100.0	No. 100	99.9
1/4"	100.0	No. 200	75.3

Specific Gravity*	2.65
Dispersion Device	Type A
Dispersion Time	1 min.
Dispersing Agent	(NaPO ₃) ₆
Hydrometer Type	ASTM 152 H
Hydrometer ID:	54381
Hydro jar ID:	1150

*assumed unless noted

Project	Lost Lake Marsh Creation	Date Tested	6/8/2011
Project No.	16715-020-00	Tested By	BH
Sample ID.	16	Checked By	DU
Source/Depth (feet)	22-24	Project Manager	VT

NOTE: Test was performed in general accordance with the referenced test method. Test results are applicable only to the specific sample on which they were performed, and should not be interpreted as representative of any other samples obtained at other times, depths or locations or generated by separate operations or processes. This report may not be reproduced, except in full, without written approval of GeoEngineers, Inc.



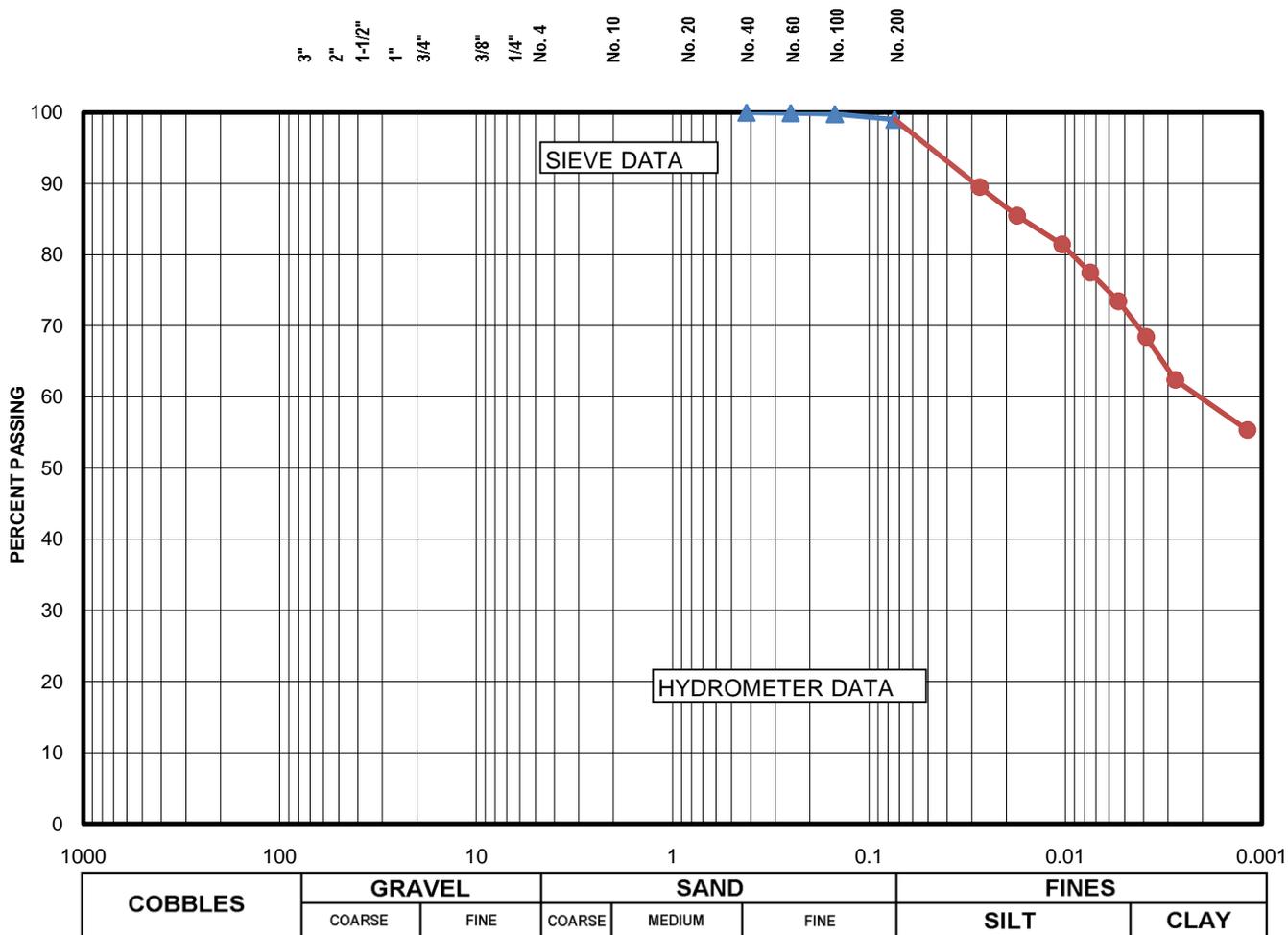
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ASTM D 422 SOIL PARTICLE SIZE ANALYSIS

Lost Lake Marsh Creation

16715-020-00

U.S. STANDARD SIEVE SIZE



Description (D 2488)	Gray clay (CH)
-----------------------------	----------------

Individual Sieve Data - % Passing			
3"	100.0	No. 4	100.0
2"	100.0	No. 10	100.0
1 1/2"	100.0	No. 20	100.0
1"	100.0	No. 40	100.0
3/4"	100.0	No. 60	99.9
3/8"	100.0	No. 100	99.8
1/4"	100.0	No. 200	99.0

Specific Gravity*	2.65
Dispersion Device	Type A
Dispersion Time	1 min.
Dispersing Agent	(NaPO ₃) ₆
Hydrometer Type	ASTM 152 H
Hydrometer ID:	54355
Hydro jar ID:	1164

*assumed unless noted

Project	Lost Lake Marsh Creation	Date Tested	6/15/2011
Project No.	16715-020-00	Tested By	BH
Sample ID.	17	Checked By	DU
Source/Depth (feet)	9-11	Project Manager	VT

NOTE: Test was performed in general accordance with the referenced test method. Test results are applicable only to the specific sample on which they were performed, and should not be interpreted as representative of any other samples obtained at other times, depths or locations or generated by separate operations or processes. This report may not be reproduced, except in full, without written approval of GeoEngineers, Inc.



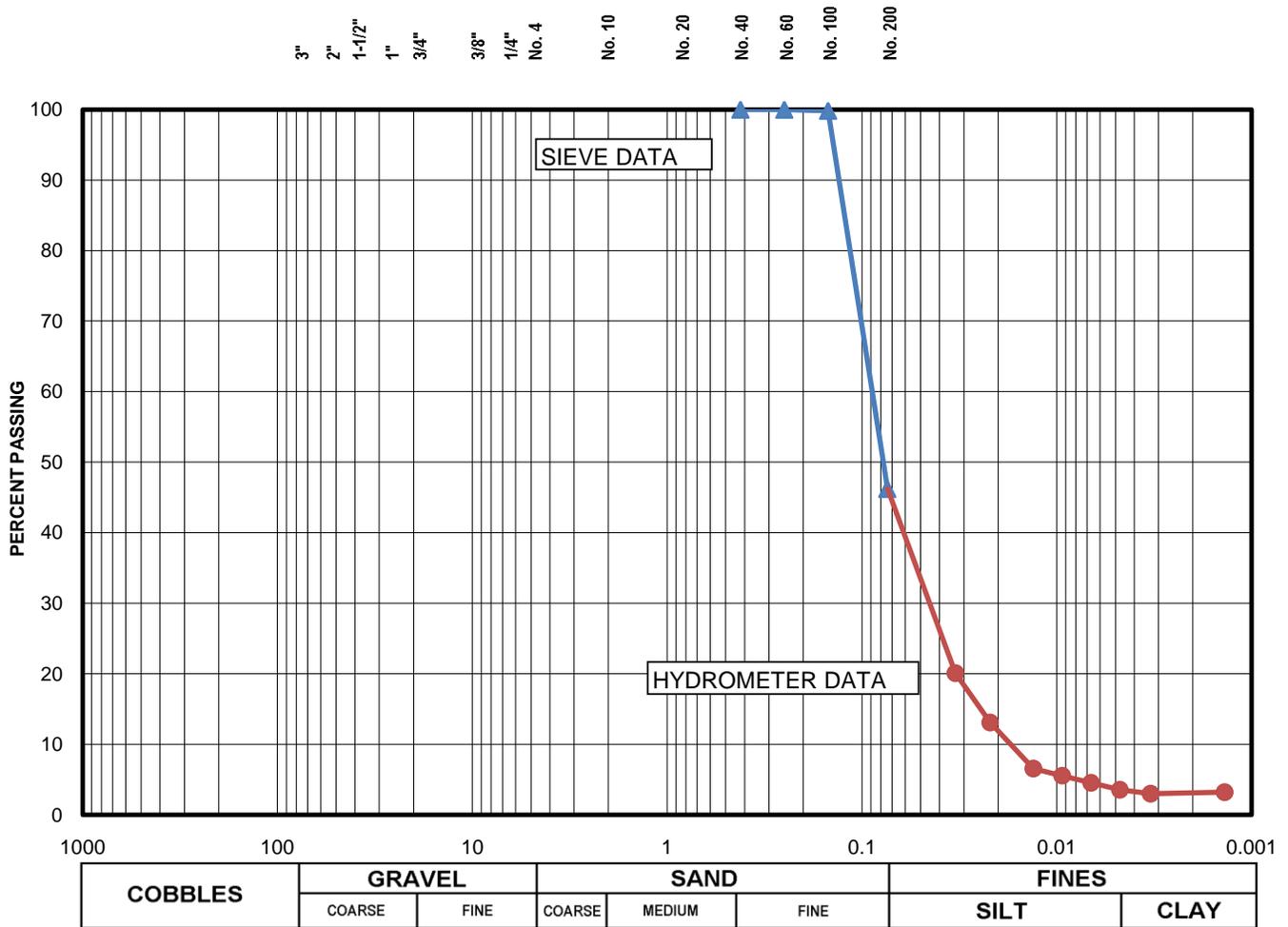
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ASTM D 422 SOIL PARTICLE SIZE ANALYSIS

Lost Lake Marsh Creation

16715-020-00

U.S. STANDARD SIEVE SIZE



Description (D 2488)	Silty fine sand (SM)
-----------------------------	----------------------

Individual Sieve Data - % Passing			
3"	100.0	No. 4	100.0
2"	100.0	No. 10	100.0
1 1/2"	100.0	No. 20	100.0
1"	100.0	No. 40	100.0
3/4"	100.0	No. 60	100.0
3/8"	100.0	No. 100	99.8
1/4"	100.0	No. 200	46.2

Specific Gravity*	2.65
Dispersion Device	Type A
Dispersion Time	1 min.
Dispersing Agent	(NaPO ₃) ₆
Hydrometer Type	ASTM 152 H
Hydrometer ID:	68515
Hydro jar ID:	1158

*assumed unless noted

Project	Lost Lake Marsh Creation	Date Tested	6/16/2011
Project No.	16715-020-00	Tested By	BH
Sample ID.	18	Checked By	DU
Source/Depth (feet)	18-20	Project Manager	VT

NOTE: Test was performed in general accordance with the referenced test method. Test results are applicable only to the specific sample on which they were performed, and should not be interpreted as representative of any other samples obtained at other times, depths or locations or generated by separate operations or processes. This report may not be reproduced, except in full, without written approval of GeoEngineers, Inc.



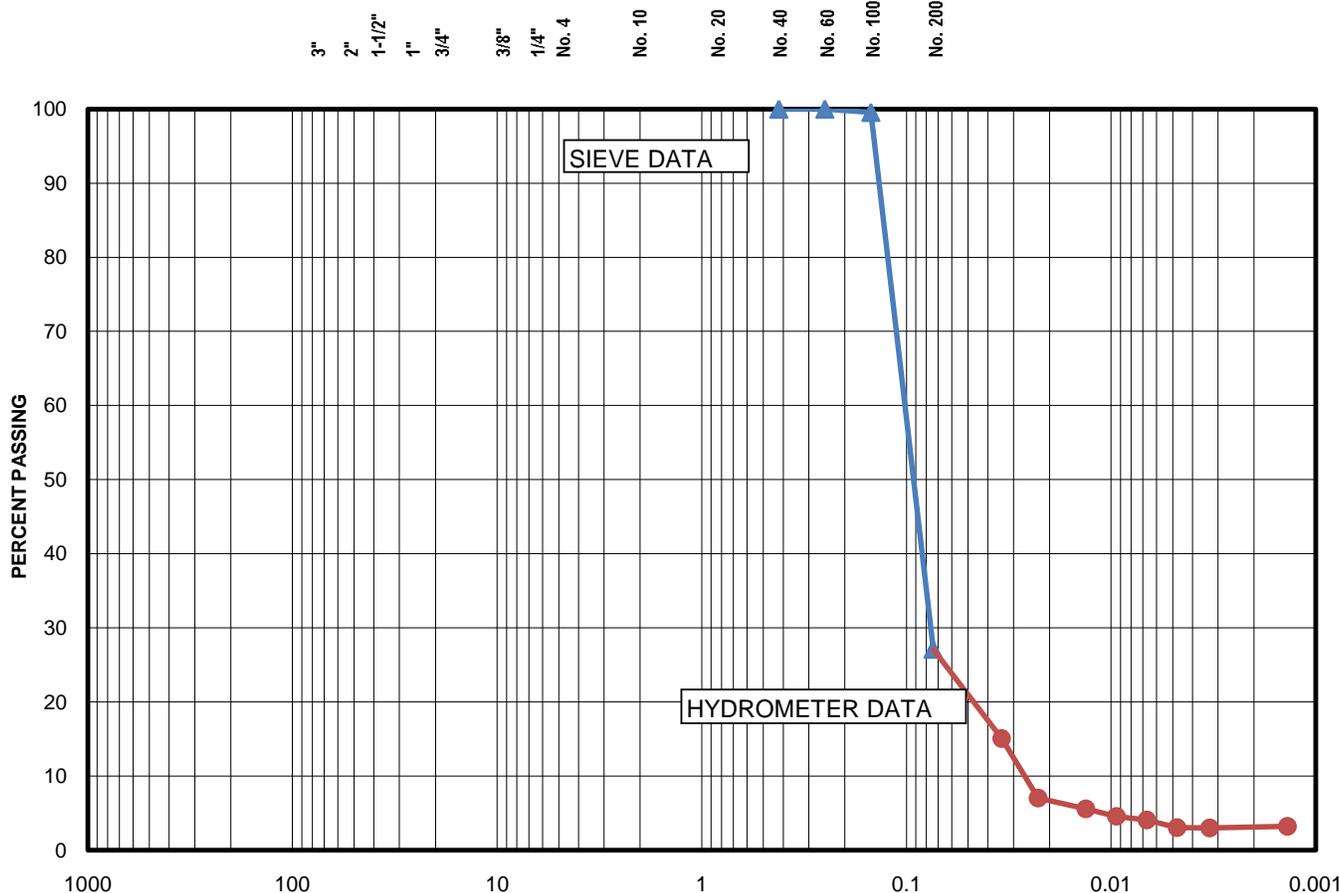
11955 Lakeland Park Blvd. Suite 100 Baton Rouge, LA 70809

ASTM D 422 SOIL PARTICLE SIZE ANALYSIS

Lost Lake Marsh Creation

16715-020-00

U.S. STANDARD SIEVE SIZE



COBBLES	GRAVEL		SAND			FINES	
	COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY

Description (D 2488) Silty fine sand (SM)

Individual Sieve Data - % Passing			
3"	100.0	No. 4	100.0
2"	100.0	No. 10	100.0
1 1/2"	100.0	No. 20	100.0
1"	100.0	No. 40	100.0
3/4"	100.0	No. 60	100.0
3/8"	100.0	No. 100	99.6
1/4"	100.0	No. 200	27.1

Specific Gravity*	2.65
Dispersion Device	Type A
Dispersion Time	1 min.
Dispersing Agent	(NaPO ₃) ₆
Hydrometer Type	ASTM 152 H
Hydrometer ID:	3000
Hydro jar ID:	1165

*assumed unless noted

Project	Lost Lake Marsh Creation	Date Tested	6/16/2011
Project No.	16715-020-00	Tested By	BH
Sample ID.	18	Checked By	DU
Source/Depth (feet)	20-22	Project Manager	VT

NOTE: Test was performed in general accordance with the referenced test method. Test results are applicable only to the specific sample on which they were performed, and should not be interpreted as representative of any other samples obtained at other times, depths or locations or generated by separate operations or processes. This report may not be reproduced, except in full, without written approval of GeoEngineers, Inc.



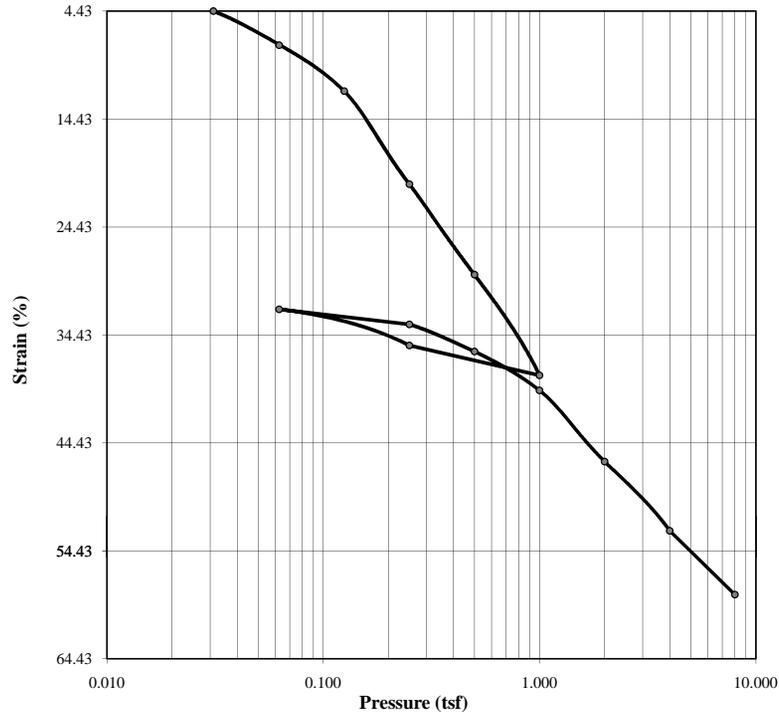
11955 Lakeland Park Blvd. Suite 100 Baton Rouge, LA 70809

ASTM D 422 SOIL PARTICLE SIZE ANALYSIS

Lost Lake Marsh Creation

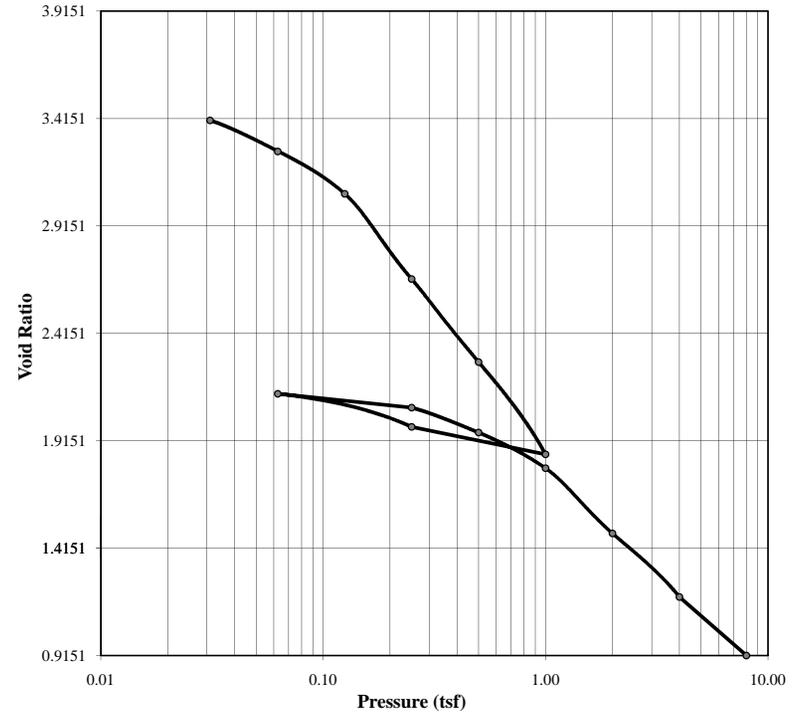
16715-020-00

**Consolidation Test
Test Results**



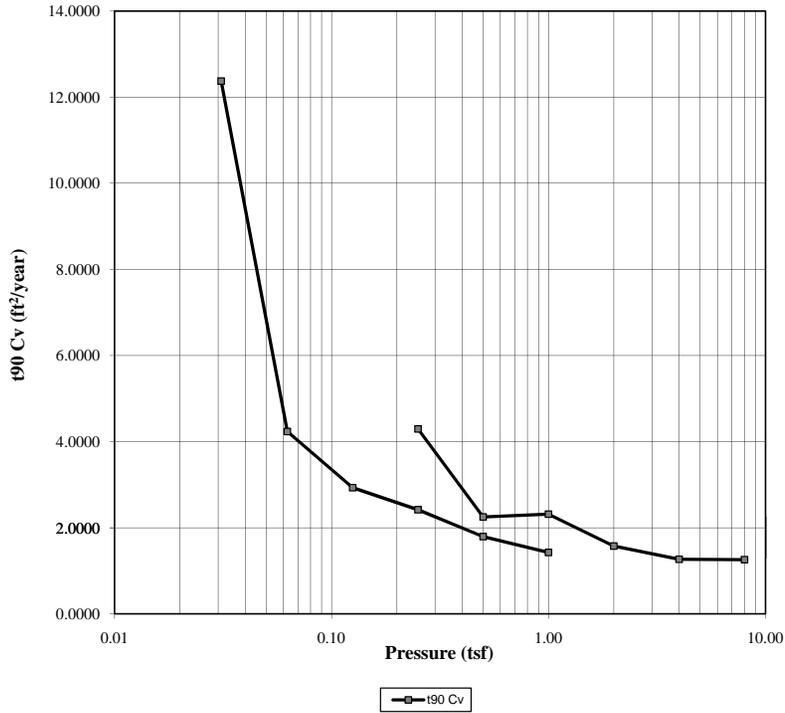
	Before	After	Liquid Limits:	146	Test Date:	6 June 11
Moisture (%):	142.79	44.42	Plastic Limits:	45		
Dry Density (pcf):	33.42	72.87	Plasticity Index (%):	101		
Saturation (%):	97.57	98.20				
Void Ratio:	3.6082	0.9139	Specific Gravity:	2.473	Measured	
Sample Description:	Organic Clay (OH)					
Sample Number:	16715-020-00	Depth:	5 - 7 feet		Remarks:	
Sample Number:		Boring Number:	7			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

**Consolidation Test
Test Results**



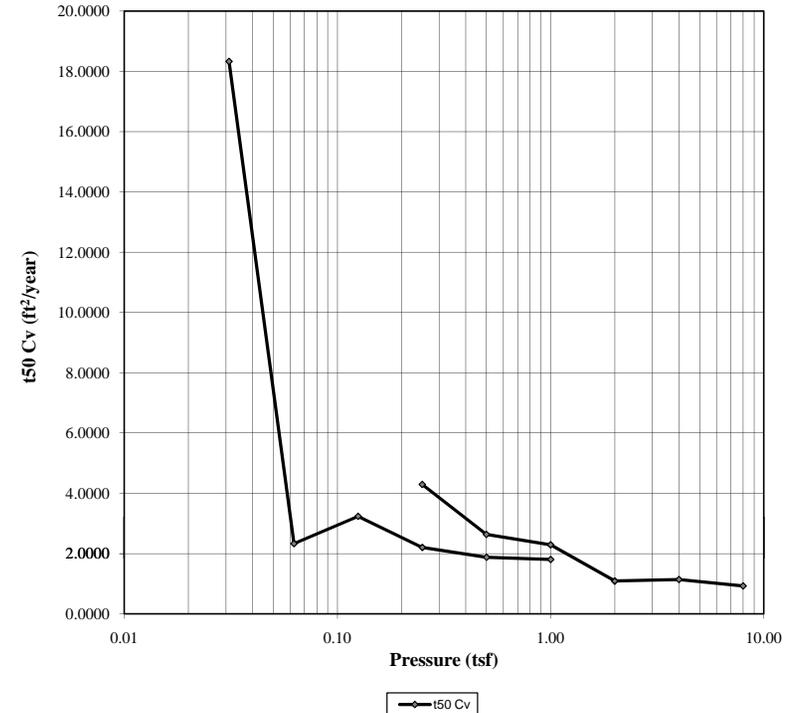
	Before	After	Liquid Limits:	146	Test Date:	6 June 11
Moisture (%):	142.79	44.42	Plastic Limits:	45		
Dry Density (pcf):	33.42	72.87	Plasticity Index (%):	101		
Saturation (%):	97.57	98.20				
Void Ratio:	3.6082	0.9139	Specific Gravity:	2.473	Measured	
Soil Description:	Organic Clay (OH)					
Project Number:	16715-020-00	Depth:	5 - 7 feet		Remarks:	
Sample Number:		Boring Number:	7			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	146	Test Date:	6 June 11
Moisture (%):	142.79	44.42	Plastic Limits:	45		
Dry Density (pcf):	33.42	72.87	Plasticity Index (%):	101		
Saturation (%):	97.57	98.20				
Void Ratio:	3.6082	0.9139	Specific Gravity:	2.473	Measured	
Soil Description:	Organic Clay (OH)					
Project Number:	16715-020-00	Depth:	5 - 7 feet		Remarks:	
Sample Number:		Boring Number:	7			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	146	Test Date:	6 June 11
Moisture (%):	142.79	44.42	Plastic Limits:	45		
Dry Density (pcf):	33.42	72.87	Plasticity Index (%):	101		
Saturation (%):	97.57	98.20				
Void Ratio:	3.6082	0.9139	Specific Gravity:	2.473	Measured	
Soil Description:	Organic Clay (OH)					
Project Number:	16715-020-00	Depth:	5 - 7 feet		Remarks:	
Sample Number:		Boring Number:	7			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)
 Location: 11-21
 Job Number: 11-21

Project Number: 16715-020-00

Sample Number: 7
 Boring Number: 5 - 7 feet
 Depth: Undisturbed
 Sample Type:

Sample Description: Organic Clay (OH)
 Remarks:

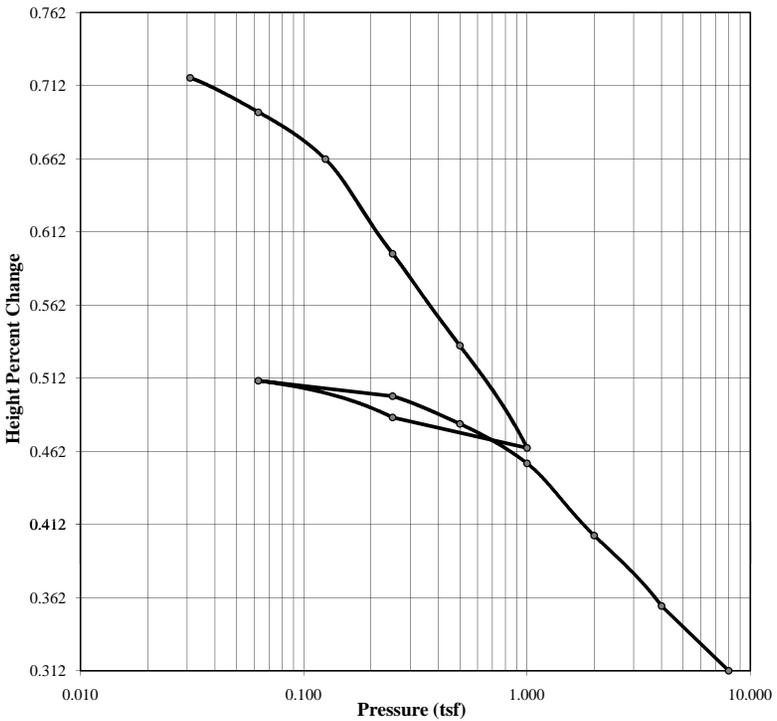
Test Number: 6 June 11
 Test Date:

Index	Load Sequence (tsf)	Cumulative Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	190 Fitting Time (min)	150 Fitting Time (min)	190 Cv (ft ² /year)	150 Cv (ft ² /year)
0	0.000	0.0000	0.2500	0.5873	0.00	3.6109	0.000	0.000	0.000	0.000
1	0.031	0.0332	0.2168	0.5541	4.43	3.4068	32.137	5.039	12.371	18.328
2	0.063	0.0568	0.6932	0.5305	7.37	3.2617	87.790	37.030	4.235	2.333
3	0.125	0.0888	0.6612	0.4985	11.84	3.0650	115.417	24.282	2.931	3.237
4	0.250	0.1534	0.5966	0.4339	20.45	2.6678	113.979	29.002	2.416	2.206
5	0.500	0.2163	0.5337	0.3710	28.84	2.2811	122.922	27.295	1.793	1.876
6	1.000	0.2862	0.4638	0.3011	38.16	1.8514	116.881	21.422	1.424	1.805
7	0.250	0.2654	0.4846	0.3219	35.39	1.9793	0.000	0.000	0.000	0.000
8	0.063	0.2403	0.5097	0.3470	32.04	2.1336	0.000	0.000	0.000	0.000
9	0.250	0.2308	0.4992	0.3365	33.44	2.0690	44.875	10.438	4.297	4.292
10	0.500	0.2697	0.4803	0.3176	35.96	1.9528	79.291	15.725	2.251	2.637
11	1.000	0.2967	0.4533	0.2906	39.56	1.7868	68.707	16.131	2.314	2.290
12	2.000	0.3461	0.4039	0.2412	46.15	1.4831	80.044	26.890	1.577	1.091
13	4.000	0.3942	0.3538	0.1931	52.56	1.1874	77.343	19.944	1.267	1.141
14	8.000	0.4385	0.3115	0.1488	58.47	0.9151	59.751	18.785	1.257	0.929

Predicted value indicated with *



Consolidation Test Test Results



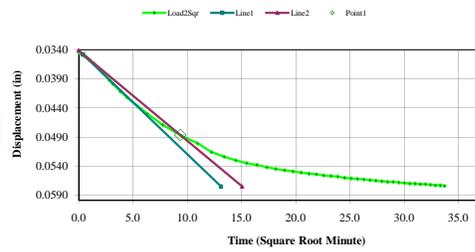
	Before	After	Liquid Limits:	146	Test Date:	6 June 11
Moisture (%):	142.79	44.42	Plastic Limits:	45		
Dry Density (pcf):	33.42	72.87	Plasticity Index (%):	101		
Saturation (%):	97.57	98.20				
Void Ratio:	3.6082	0.9139	Specific Gravity:	2.473	Measured	
Soil Description:	Organic Clay (OH)					
Sample Number:	16715-020-00	Depth:	5 - 7 feet			
Sample Number:	Boring Number: 7		Remarks:			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results (Sequence 2) Load 0.063 tsf	Consolidation Test Results (Sequence 2) Load 0.063 tsf
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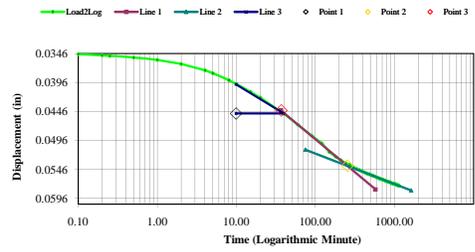
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 6 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 7 Organic Clay (OH)
Depth: 5 - 7 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0338	0.0332	4.4267	3.4042
1	00:00:01	0.0346	0.0340	4.5333	3.3993
2	00:00:02	0.0346	0.0340	4.5333	3.3993
3	00:00:03	0.0346	0.0340	4.5333	3.3993
4	00:00:04	0.0346	0.0340	4.5333	3.3993
5	00:00:05	0.0347	0.0341	4.5467	3.3987
6	00:00:06	0.0347	0.0341	4.5467	3.3987
7	00:00:12	0.0349	0.0343	4.5733	3.3974
8	00:00:15	0.0350	0.0344	4.5867	3.3968
9	00:00:30	0.0353	0.0347	4.6267	3.3950
10	00:01:00	0.0357	0.0351	4.6800	3.3925
11	00:02:00	0.0364	0.0358	4.7733	3.3882
12	00:04:01	0.0375	0.0369	4.9200	3.3815
13	00:05:01	0.0380	0.0374	4.9867	3.3784
14	00:08:01	0.0392	0.0386	5.1467	3.3710
15	00:10:01	0.0399	0.0393	5.2400	3.3667
16	00:15:01	0.0412	0.0406	5.4133	3.3587
17	00:20:02	0.0422	0.0416	5.5467	3.3526
18	00:40:03	0.0450	0.0444	5.9200	3.3354
19	01:00:05	0.0469	0.0463	6.1733	3.3237
20	01:30:07	0.0488	0.0482	6.4267	3.3120
21	02:00:09	0.0501	0.0495	6.6000	3.3040
22	02:30:12	0.0516	0.0510	6.8000	3.2948
23	03:00:14	0.0524	0.0518	6.9067	3.2899
24	03:30:16	0.0530	0.0524	6.9867	3.2862
25	04:00:18	0.0535	0.0529	7.0533	3.2831
26	04:30:21	0.0538	0.0532	7.0933	3.2813
27	05:00:23	0.0542	0.0536	7.1467	3.2788
28	05:30:25	0.0545	0.0539	7.1867	3.2770
29	06:00:28	0.0547	0.0541	7.2133	3.2758
30	06:30:30	0.0549	0.0543	7.2400	3.2745
31	07:00:32	0.0551	0.0545	7.2667	3.2733
32	07:30:34	0.0553	0.0547	7.2933	3.2721
33	08:00:37	0.0554	0.0548	7.3067	3.2715
34	08:30:39	0.0556	0.0550	7.3333	3.2702
35	09:00:41	0.0557	0.0551	7.3467	3.2696
36	09:30:44	0.0558	0.0552	7.3600	3.2690

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:46	0.0560	0.0554	7.3867	3.2678
38	10:30:48	0.0561	0.0555	7.4000	3.2672
39	11:00:50	0.0562	0.0556	7.4133	3.2666
40	11:30:53	0.0563	0.0557	7.4267	3.2659
41	12:00:55	0.0564	0.0558	7.4400	3.2653
42	12:30:57	0.0565	0.0559	7.4533	3.2647
43	13:01:00	0.0566	0.0560	7.4667	3.2641
44	13:31:02	0.0567	0.0561	7.4800	3.2635
45	14:01:04	0.0567	0.0561	7.4800	3.2635
46	14:31:06	0.0568	0.0562	7.4933	3.2629
47	15:01:09	0.0569	0.0563	7.5067	3.2623
48	15:31:11	0.0570	0.0564	7.5200	3.2616
49	16:01:13	0.0570	0.0564	7.5200	3.2616
50	16:31:16	0.0571	0.0565	7.5333	3.2610
51	17:01:18	0.0571	0.0565	7.5333	3.2610
52	17:31:20	0.0572	0.0566	7.5467	3.2604
53	18:01:22	0.0573	0.0567	7.5600	3.2598
54	18:31:25	0.0573	0.0567	7.5600	3.2598
55	18:56:59	0.0574	0.0568	7.5733	3.2592

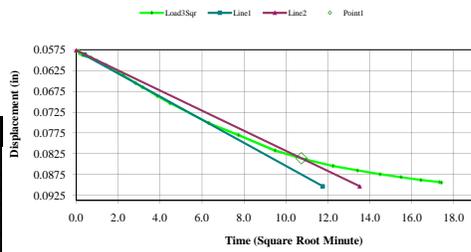
Consolidation Test Results (Sequence 3) Load 0.125 tsf	Consolidation Test Results (Sequence 3) Load 0.125 tsf
---	---

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 6 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 7 Organic Clay (OH)
Depth: 5 - 7 feet **Remarks:**
Sample Type: Undisturbed

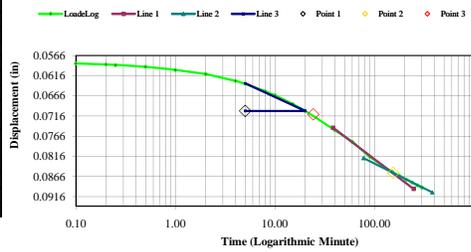
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0574	0.0568	7.5733	3.2592
1	00:00:01	0.0579	0.0573	7.6400	3.2561
2	00:00:02	0.0584	0.0578	7.7067	3.2530
3	00:00:03	0.0585	0.0579	7.7200	3.2524
4	00:00:04	0.0585	0.0579	7.7200	3.2524
5	00:00:05	0.0585	0.0579	7.7200	3.2524
6	00:00:06	0.0586	0.0580	7.7333	3.2518
7	00:00:12	0.0588	0.0582	7.7600	3.2506
8	00:00:15	0.0590	0.0584	7.7867	3.2494
9	00:00:30	0.0594	0.0588	7.8400	3.2469
10	00:01:00	0.0602	0.0596	7.9467	3.2420
11	00:02:01	0.0612	0.0606	8.0800	3.2358
12	00:04:01	0.0629	0.0623	8.3067	3.2254
13	00:05:01	0.0636	0.0630	8.4000	3.2211
14	00:08:01	0.0655	0.0649	8.6533	3.2094
15	00:10:01	0.0665	0.0659	8.7867	3.2033
16	00:15:01	0.0686	0.0680	9.0667	3.1904
17	00:20:01	0.0703	0.0697	9.2933	3.1799
18	00:40:00	0.0751	0.0745	9.9333	3.1504
19	01:00:00	0.0780	0.0774	10.3200	3.1326
20	01:30:01	0.0817	0.0811	10.8133	3.1099
21	02:00:03	0.0839	0.0833	11.1067	3.0964
22	02:30:06	0.0854	0.0848	11.3067	3.0871
23	03:00:08	0.0865	0.0859	11.4533	3.0804
24	03:30:10	0.0874	0.0868	11.5733	3.0749
25	04:00:13	0.0881	0.0875	11.6667	3.0706
26	04:30:15	0.0888	0.0882	11.7600	3.0663
27	05:00:17	0.0893	0.0887	11.8267	3.0632
28	05:03:17	0.0894	0.0888	11.8400	3.0626

Tested By: Checked By:

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



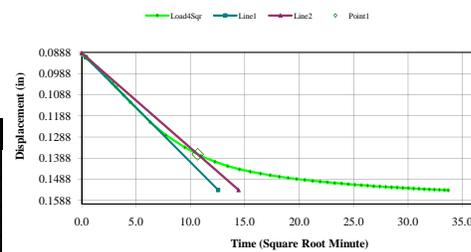
Consolidation Test Results (Sequence 4) Load 0.250 tsf	Consolidation Test Results (Sequence 4) Load 0.250 tsf
---	---

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 6 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 7 Organic Clay (OH)
Depth: 5 - 7 feet **Remarks:**
Sample Type: Undisturbed

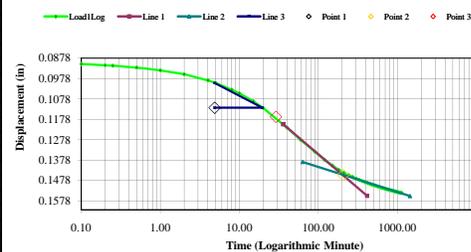
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0894	0.0888	11.8400	3.0626
1	00:00:01	0.0900	0.0894	11.9200	3.0589
2	00:00:02	0.0901	0.0895	11.9333	3.0583
3	00:00:03	0.0903	0.0897	11.9600	3.0570
4	00:00:04	0.0905	0.0899	11.9867	3.0558
5	00:00:05	0.0906	0.0900	12.0000	3.0552
6	00:00:06	0.0907	0.0901	12.0133	3.0546
7	00:00:12	0.0913	0.0907	12.0933	3.0509
8	00:00:15	0.0915	0.0909	12.1200	3.0497
9	00:00:30	0.0924	0.0918	12.2400	3.0441
10	00:01:00	0.0938	0.0932	12.4267	3.0355
11	00:02:00	0.0957	0.0951	12.6800	3.0239
12	00:04:00	0.0987	0.0981	13.0800	3.0054
13	00:05:00	0.1000	0.0994	13.2533	2.9974
14	00:08:01	0.1033	0.1027	13.6933	2.9772
15	00:10:01	0.1045	0.1045	13.9333	2.9661
16	00:15:01	0.1090	0.1084	14.4533	2.9421
17	00:20:02	0.1123	0.1117	14.8933	2.9219
18	00:40:03	0.1219	0.1213	16.1733	2.8629
19	01:00:05	0.1280	0.1274	16.9867	2.8254
20	01:30:07	0.1337	0.1331	17.7467	2.7904
21	02:00:09	0.1378	0.1372	18.2933	2.7652
22	02:30:11	0.1405	0.1399	18.6533	2.7486
23	03:00:14	0.1426	0.1420	18.9333	2.7357
24	03:30:16	0.1441	0.1435	19.1333	2.7265
25	04:00:18	0.1452	0.1446	19.2800	2.7197
26	04:30:21	0.1461	0.1455	19.4000	2.7142
27	05:00:23	0.1469	0.1463	19.5067	2.7093
28	05:30:25	0.1476	0.1470	19.6000	2.7050
29	06:00:27	0.1482	0.1476	19.6800	2.7013
30	06:30:30	0.1487	0.1481	19.7467	2.6982
31	07:00:32	0.1491	0.1485	19.8000	2.6958
32	07:30:34	0.1496	0.1490	19.8667	2.6927
33	08:00:37	0.1499	0.1493	19.9067	2.6908
34	08:30:39	0.1502	0.1496	19.9467	2.6890
35	09:00:41	0.1506	0.1500	20.0000	2.6865
36	09:30:43	0.1508	0.1502	20.0267	2.6853

Tested By: Checked By:

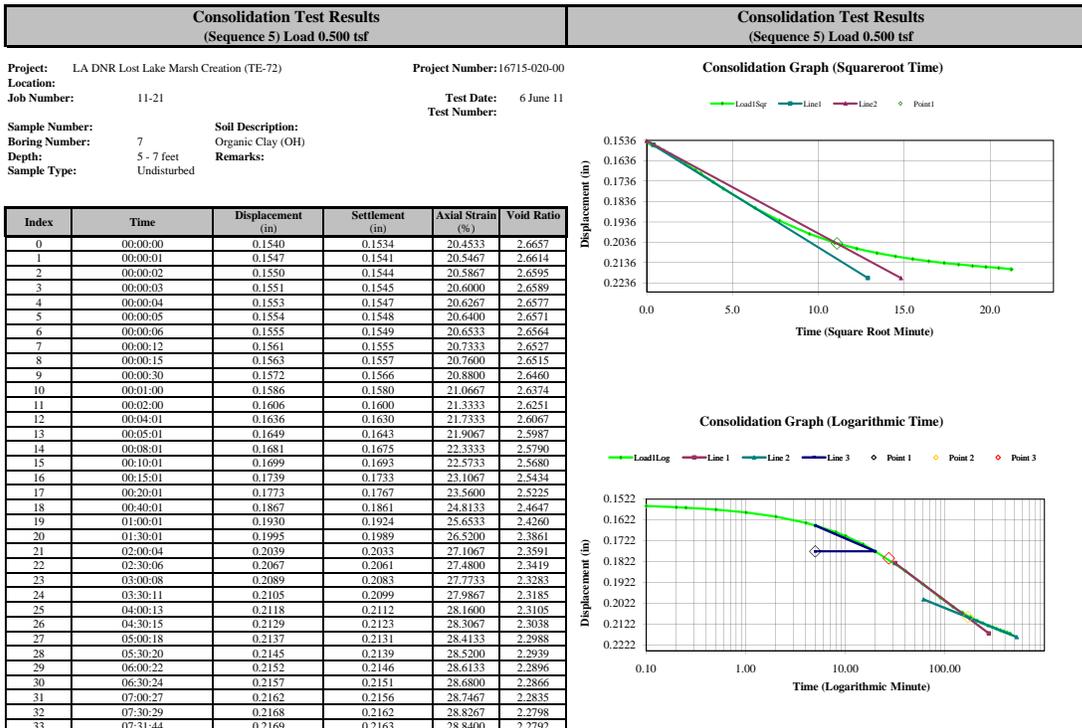
Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:46	0.1511	0.1505	20.0667	2.6835
38	10:30:48	0.1514	0.1508	20.1067	2.6816
39	11:00:50	0.1516	0.1510	20.1333	2.6804
40	11:30:52	0.1518	0.1512	20.1600	2.6792
41	12:00:55	0.1521	0.1515	20.2000	2.6773
42	12:30:57	0.1522	0.1516	20.2133	2.6767
43	13:00:59	0.1524	0.1518	20.2400	2.6755
44	13:31:01	0.1526	0.1520	20.2667	2.6743
45	14:01:04	0.1527	0.1521	20.2800	2.6736
46	14:31:06	0.1529	0.1523	20.3067	2.6724
47	15:01:08	0.1530	0.1524	20.3200	2.6718
48	15:31:11	0.1532	0.1526	20.3467	2.6706
49	16:01:13	0.1533	0.1527	20.3600	2.6700
50	16:31:15	0.1535	0.1529	20.3867	2.6687
51	17:01:17	0.1536	0.1530	20.4000	2.6681
52	17:31:20	0.1537	0.1531	20.4133	2.6675
53	18:01:22	0.1538	0.1532	20.4267	2.6669
54	18:31:24	0.1539	0.1533	20.4400	2.6663
55	18:54:27	0.1540	0.1534	20.4533	2.6657

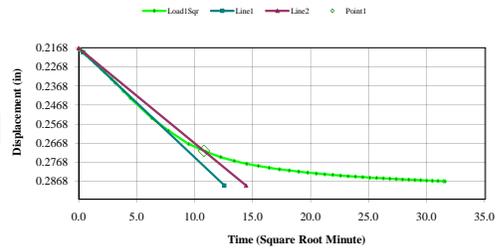


Consolidation Test Results (Sequence 6) Load 1.000 tsf	Consolidation Test Results (Sequence 6) Load 1.000 tsf
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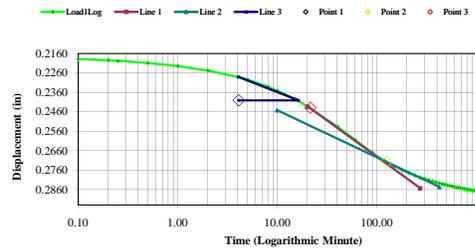
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 6 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 7 **Organic Clay (OH)**
Depth: 5 - 7 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2169	0.2163	28.8400	2.2792
1	00:00:01	0.2179	0.2173	28.9733	2.2730
2	00:00:02	0.2182	0.2176	29.0133	2.2712
3	00:00:03	0.2184	0.2178	29.0400	2.2700
4	00:00:04	0.2186	0.2180	29.0667	2.2687
5	00:00:05	0.2187	0.2181	29.0800	2.2681
6	00:00:06	0.2189	0.2183	29.1067	2.2669
7	00:00:12	0.2195	0.2189	29.1867	2.2632
8	00:00:15	0.2198	0.2192	29.2267	2.2614
9	00:00:30	0.2209	0.2203	29.3733	2.2546
10	00:01:00	0.2225	0.2219	29.5867	2.2448
11	00:02:00	0.2248	0.2242	29.8933	2.2306
12	00:04:00	0.2281	0.2275	30.3333	2.2104
13	00:05:01	0.2295	0.2289	30.5200	2.2018
14	00:08:01	0.2331	0.2325	31.0000	2.1796
15	00:10:01	0.2352	0.2346	31.2800	2.1667
16	00:15:01	0.2395	0.2389	31.8533	2.1403
17	00:20:02	0.2432	0.2426	32.3467	2.1176
18	00:40:03	0.2536	0.2530	33.7333	2.0537
19	01:00:05	0.2603	0.2597	34.6267	2.0125
20	01:30:07	0.2672	0.2666	35.5467	1.9701
21	02:00:09	0.2713	0.2707	36.0933	1.9449
22	02:30:12	0.2741	0.2735	36.4667	1.9277
23	03:00:14	0.2761	0.2755	36.7333	1.9154
24	03:30:16	0.2776	0.2770	36.9333	1.9062
25	04:00:18	0.2787	0.2781	37.0800	1.8995
26	04:30:21	0.2797	0.2791	37.2133	1.8933
27	05:00:23	0.2805	0.2799	37.3200	1.8884
28	05:30:25	0.2811	0.2805	37.4000	1.8847
29	06:00:27	0.2817	0.2811	37.4800	1.8810
30	06:30:30	0.2822	0.2816	37.5467	1.8780
31	07:00:32	0.2827	0.2821	37.6133	1.8749
32	07:30:34	0.2831	0.2825	37.6667	1.8724
33	08:00:37	0.2834	0.2828	37.7067	1.8706
34	08:30:39	0.2838	0.2832	37.7600	1.8681
35	09:00:41	0.2841	0.2835	37.8000	1.8663
36	09:30:44	0.2843	0.2837	37.8267	1.8651

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

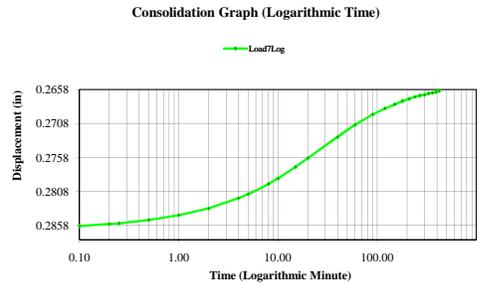
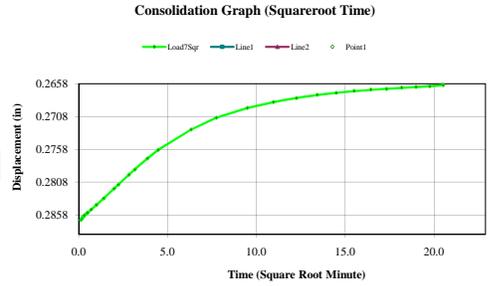


37	10:00:46	0.2846	0.2840	37.8667	1.8632
38	10:30:48	0.2849	0.2843	37.9067	1.8614
39	11:00:50	0.2850	0.2844	37.9200	1.8608
40	11:30:53	0.2852	0.2846	37.9467	1.8595
41	12:00:55	0.2854	0.2848	37.9733	1.8583
42	12:30:57	0.2856	0.2850	38.0000	1.8571
43	13:01:00	0.2858	0.2852	38.0267	1.8558
44	13:31:02	0.2859	0.2853	38.0400	1.8552
45	14:01:04	0.2861	0.2855	38.0667	1.8540
46	14:31:06	0.2862	0.2856	38.0800	1.8534
47	15:01:09	0.2864	0.2858	38.1067	1.8522
48	15:31:11	0.2865	0.2859	38.1200	1.8515
49	16:01:13	0.2866	0.2860	38.1333	1.8509
50	16:31:15	0.2867	0.2861	38.1467	1.8503
51	16:38:29	0.2868	0.2862	38.1600	1.8497

Consolidation Test Results (Sequence 7) Rebound 0.250 tsf	Consolidation Test Results (Sequence 7) Rebound 0.250 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 6 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 7 Organic Clay (OH)
Depth: 5 - 7 feet **Remarks:**
Sample Type: Undisturbed

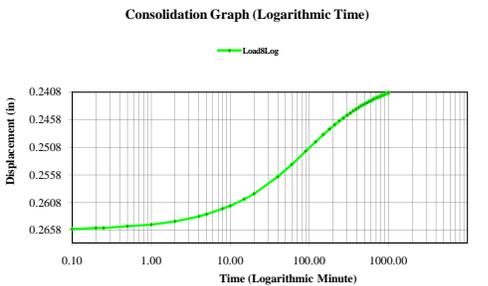
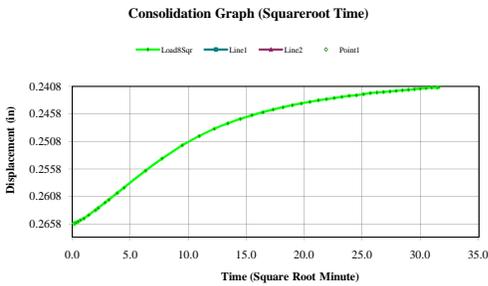
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2868	0.2862	38.1600	1.8497
1	00:00:01	0.2866	0.2860	38.1333	1.8509
2	00:00:02	0.2864	0.2858	38.1067	1.8522
3	00:00:03	0.2862	0.2856	38.0800	1.8534
4	00:00:04	0.2861	0.2855	38.0667	1.8540
5	00:00:05	0.2860	0.2854	38.0533	1.8546
6	00:00:06	0.2859	0.2853	38.0400	1.8552
7	00:00:12	0.2856	0.2850	38.0000	1.8571
8	00:00:15	0.2855	0.2849	37.9867	1.8577
9	00:00:30	0.2850	0.2844	37.9200	1.8608
10	00:01:00	0.2843	0.2837	37.8267	1.8651
11	00:02:00	0.2833	0.2827	37.6933	1.8712
12	00:04:00	0.2818	0.2812	37.4933	1.8804
13	00:05:01	0.2812	0.2806	37.4133	1.8841
14	00:08:01	0.2797	0.2791	37.2133	1.8933
15	00:10:01	0.2789	0.2783	37.1067	1.8982
16	00:15:01	0.2772	0.2766	36.8800	1.9087
17	00:20:02	0.2759	0.2753	36.7067	1.9167
18	00:40:03	0.2728	0.2722	36.2933	1.9357
19	01:00:05	0.2710	0.2704	36.0533	1.9468
20	01:30:07	0.2695	0.2689	35.8533	1.9560
21	02:00:09	0.2686	0.2680	35.7333	1.9615
22	02:30:12	0.2680	0.2674	35.6533	1.9652
23	03:00:14	0.2675	0.2669	35.5867	1.9683
24	03:30:16	0.2672	0.2666	35.5467	1.9701
25	04:00:18	0.2669	0.2663	35.5067	1.9720
26	04:30:21	0.2667	0.2661	35.4800	1.9732
27	05:00:23	0.2666	0.2660	35.4667	1.9738
28	05:30:25	0.2664	0.2658	35.4400	1.9750
29	06:00:26	0.2663	0.2657	35.4267	1.9757
30	06:30:29	0.2662	0.2656	35.4133	1.9763
31	07:00:31	0.2660	0.2654	35.3867	1.9775
32	07:00:37	0.2660	0.2654	35.3867	1.9775



Consolidation Test Results (Sequence 8) Rebound 0.063 tsf	Consolidation Test Results (Sequence 8) Rebound 0.063 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 6 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 7 Organic Clay (OH)
Depth: 5 - 7 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2660	0.2654	35.3867	1.9775
1	00:00:01	0.2657	0.2651	35.3467	1.9793
2	00:00:02	0.2657	0.2651	35.3467	1.9793
3	00:00:03	0.2657	0.2651	35.3467	1.9793
4	00:00:04	0.2656	0.2650	35.3333	1.9800
5	00:00:05	0.2656	0.2650	35.3333	1.9800
6	00:00:06	0.2656	0.2650	35.3333	1.9800
7	00:00:12	0.2654	0.2648	35.3067	1.9812
8	00:00:15	0.2654	0.2648	35.3067	1.9812
9	00:00:30	0.2651	0.2645	35.2667	1.9830
10	00:01:00	0.2648	0.2642	35.2267	1.9849
11	00:02:00	0.2642	0.2636	35.1467	1.9886
12	00:04:01	0.2633	0.2627	35.0267	1.9941
13	00:05:01	0.2629	0.2623	34.9733	1.9965
14	00:08:01	0.2619	0.2613	34.8400	2.0027
15	00:10:01	0.2614	0.2608	34.7733	2.0058
16	00:15:01	0.2602	0.2596	34.6133	2.0131
17	00:20:02	0.2592	0.2586	34.4800	2.0193
18	00:40:03	0.2561	0.2555	34.0667	2.0383
19	01:00:05	0.2539	0.2533	33.7733	2.0518
20	01:30:07	0.2515	0.2509	33.4533	2.0666
21	02:00:09	0.2498	0.2492	33.2267	2.0770
22	02:30:12	0.2485	0.2479	33.0533	2.0850
23	03:00:14	0.2475	0.2469	32.9200	2.0912
24	03:30:16	0.2461	0.2454	32.8133	2.0961
25	04:00:19	0.2460	0.2454	32.7200	2.1004
26	04:30:21	0.2455	0.2449	32.6533	2.1035
27	05:00:23	0.2450	0.2444	32.5867	2.1065
28	05:30:25	0.2446	0.2440	32.5333	2.1090
29	06:00:28	0.2442	0.2436	32.4800	2.1114
30	06:30:30	0.2439	0.2433	32.4400	2.1133
31	07:00:32	0.2436	0.2430	32.4000	2.1151
32	07:30:34	0.2433	0.2427	32.3600	2.1170
33	08:00:37	0.2431	0.2425	32.3333	2.1182
34	08:30:39	0.2429	0.2423	32.3067	2.1194
35	09:00:41	0.2427	0.2421	32.2800	2.1207
36	09:30:44	0.2425	0.2419	32.2533	2.1219



37	10:00:46	0.2424	0.2418	32.2400	2.1225
38	10:30:48	0.2422	0.2416	32.2133	2.1237
39	11:00:50	0.2420	0.2414	32.1867	2.1250
40	11:30:53	0.2419	0.2413	32.1733	2.1256
41	12:00:55	0.2418	0.2412	32.1600	2.1262
42	12:30:57	0.2417	0.2411	32.1467	2.1268
43	13:01:00	0.2416	0.2410	32.1333	2.1274
44	13:31:02	0.2415	0.2409	32.1200	2.1280
45	14:01:04	0.2414	0.2408	32.1067	2.1286
46	14:31:06	0.2413	0.2407	32.0933	2.1293
47	15:01:09	0.2412	0.2406	32.0800	2.1299
48	15:31:11	0.2411	0.2405	32.0667	2.1305
49	16:01:13	0.2410	0.2404	32.0533	2.1311
50	16:31:15	0.2410	0.2404	32.0533	2.1311
51	16:40:07	0.2409	0.2403	32.0400	2.1317

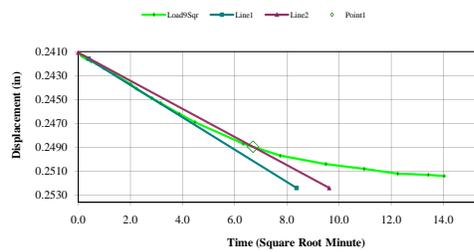
Consolidation Test Results (Sequence 9) Load 0.250 tsf	Consolidation Test Results (Sequence 9) Load 0.250 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 6 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 7 Organic Clay (OH)
Depth: 5 - 7 feet **Remarks:**
Sample Type: Undisturbed

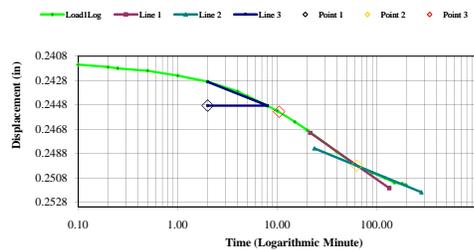
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2409	0.2403	32.0400	2.1317
1	00:00:01	0.2413	0.2407	32.0933	2.1293
2	00:00:02	0.2414	0.2408	32.1067	2.1286
3	00:00:03	0.2414	0.2408	32.1067	2.1286
4	00:00:04	0.2415	0.2409	32.1200	2.1280
5	00:00:05	0.2415	0.2409	32.1200	2.1280
6	00:00:06	0.2415	0.2409	32.1200	2.1280
7	00:00:12	0.2417	0.2411	32.1467	2.1268
8	00:00:15	0.2418	0.2412	32.1600	2.1262
9	00:00:30	0.2420	0.2414	32.1867	2.1250
10	00:01:00	0.2424	0.2418	32.2400	2.1225
11	00:02:00	0.2429	0.2423	32.3067	2.1194
12	00:04:00	0.2437	0.2431	32.4133	2.1145
13	00:05:00	0.2441	0.2435	32.4667	2.1121
14	00:08:00	0.2449	0.2443	32.5733	2.1071
15	00:10:01	0.2453	0.2447	32.6267	2.1047
16	00:15:01	0.2462	0.2456	32.7467	2.0992
17	00:20:01	0.2469	0.2463	32.8400	2.0949
18	00:40:03	0.2487	0.2481	33.0800	2.0838
19	01:00:04	0.2497	0.2491	33.2133	2.0776
20	01:30:07	0.2504	0.2498	33.3067	2.0733
21	02:00:09	0.2508	0.2502	33.3600	2.0709
22	02:30:11	0.2512	0.2506	33.4133	2.0684
23	03:00:14	0.2513	0.2507	33.4267	2.0678
24	03:16:36	0.2514	0.2508	33.4400	2.0672

Tested By: _____ Checked By: _____

Consolidation Graph (Square-root Time)



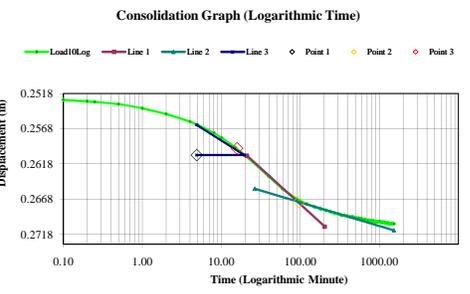
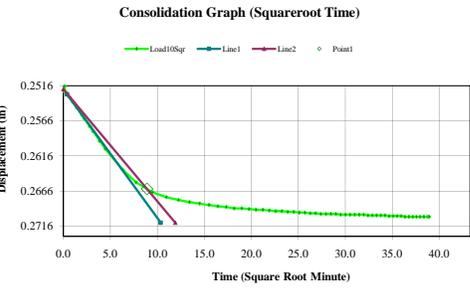
Consolidation Graph (Logarithmic Time)



Consolidation Test Results (Sequence 10) Load 0.500 tsf	Consolidation Test Results (Sequence 10) Load 0.500 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 6 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 7 **Organic Clay (OH)**
Depth: 5 - 7 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2514	0.2508	33.4400	2.0672
1	00:00:01	0.2517	0.2511	33.4800	2.0654
2	00:00:02	0.2525	0.2519	33.5867	2.0604
3	00:00:03	0.2525	0.2519	33.5867	2.0604
4	00:00:04	0.2526	0.2520	33.6000	2.0598
5	00:00:05	0.2527	0.2521	33.6133	2.0592
6	00:00:06	0.2527	0.2521	33.6133	2.0592
7	00:00:12	0.2529	0.2523	33.6400	2.0580
8	00:00:15	0.2530	0.2524	33.6533	2.0574
9	00:00:30	0.2533	0.2527	33.6933	2.0555
10	00:01:00	0.2539	0.2533	33.7733	2.0518
11	00:02:00	0.2547	0.2541	33.8800	2.0469
12	00:04:00	0.2558	0.2552	34.0267	2.0402
13	00:05:00	0.2563	0.2557	34.0933	2.0371
14	00:08:01	0.2574	0.2568	34.2400	2.0303
15	00:10:01	0.2581	0.2575	34.3333	2.0260
16	00:15:01	0.2595	0.2589	34.5200	2.0174
17	00:20:01	0.2606	0.2600	34.6667	2.0107
18	00:40:03	0.2636	0.2630	35.0667	1.9922
19	01:00:04	0.2654	0.2648	35.3067	1.9812
20	01:30:07	0.2668	0.2662	35.4933	1.9726
21	02:00:09	0.2675	0.2669	35.5867	1.9683
22	02:30:11	0.2679	0.2673	35.6400	1.9658
23	03:00:14	0.2682	0.2676	35.6800	1.9640
24	03:30:16	0.2684	0.2678	35.7067	1.9628
25	04:00:18	0.2686	0.2680	35.7333	1.9615
26	04:30:21	0.2688	0.2682	35.7600	1.9603
27	05:00:23	0.2689	0.2683	35.7733	1.9597
28	05:30:25	0.2691	0.2685	35.8000	1.9585
29	06:00:27	0.2691	0.2685	35.8000	1.9585
30	06:30:30	0.2692	0.2686	35.8133	1.9578
31	07:00:32	0.2693	0.2687	35.8267	1.9572
32	07:30:34	0.2693	0.2687	35.8267	1.9572
33	08:00:36	0.2694	0.2688	35.8400	1.9566
34	08:30:39	0.2695	0.2689	35.8533	1.9560
35	09:00:41	0.2695	0.2689	35.8533	1.9560
36	09:30:43	0.2696	0.2690	35.8667	1.9554



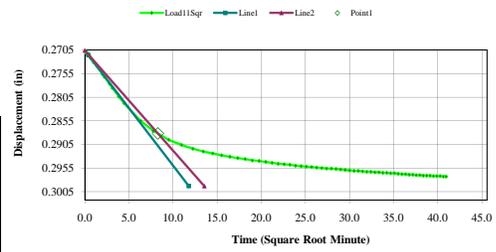
37	10:00:46	0.2696	0.2690	35.8667	1.9554
38	10:30:48	0.2697	0.2691	35.8800	1.9548
39	11:00:50	0.2697	0.2691	35.8800	1.9548
40	11:30:52	0.2698	0.2692	35.8933	1.9541
41	12:00:55	0.2698	0.2692	35.8933	1.9541
42	12:30:57	0.2699	0.2693	35.9067	1.9535
43	13:00:59	0.2699	0.2693	35.9067	1.9535
44	13:31:01	0.2699	0.2693	35.9067	1.9535
45	14:01:04	0.2699	0.2693	35.9067	1.9535
46	14:31:06	0.2700	0.2694	35.9200	1.9529
47	15:01:08	0.2700	0.2694	35.9200	1.9529
48	15:31:11	0.2700	0.2694	35.9200	1.9529
49	16:01:13	0.2700	0.2694	35.9200	1.9529
50	16:31:15	0.2700	0.2694	35.9200	1.9529
51	17:01:17	0.2700	0.2694	35.9200	1.9529
52	17:31:20	0.2701	0.2695	35.9333	1.9523
53	18:01:22	0.2701	0.2695	35.9333	1.9523
54	18:31:24	0.2701	0.2695	35.9333	1.9523
55	19:01:27	0.2701	0.2695	35.9333	1.9523
56	19:31:29	0.2701	0.2695	35.9333	1.9523
57	20:01:31	0.2702	0.2696	35.9467	1.9517
58	20:31:34	0.2702	0.2696	35.9467	1.9517
59	21:01:36	0.2702	0.2696	35.9467	1.9517
60	21:31:38	0.2702	0.2696	35.9467	1.9517
61	22:01:40	0.2703	0.2697	35.9600	1.9511
62	22:31:43	0.2703	0.2697	35.9600	1.9511
63	23:01:45	0.2703	0.2697	35.9600	1.9511
64	23:31:47	0.2703	0.2697	35.9600	1.9511
65	24:01:49	0.2703	0.2697	35.9600	1.9511
66	24:31:52	0.2703	0.2697	35.9600	1.9511
67	25:01:54	0.2703	0.2697	35.9600	1.9511
68	25:14:43	0.2703	0.2697	35.9600	1.9511

Consolidation Test Results (Sequence 11) Load 1.000 tsf	Consolidation Test Results (Sequence 11) Load 1.000 tsf
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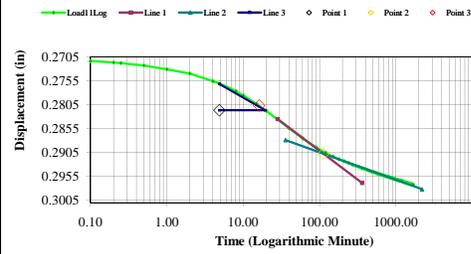
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 6 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 7 **Organic Clay (OH)**
Depth: 5 - 7 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2703	0.2697	35.9600	1.9511
1	00:00:01	0.2709	0.2703	36.0400	1.9474
2	00:00:02	0.2711	0.2705	36.0667	1.9462
3	00:00:03	0.2712	0.2706	36.0800	1.9455
4	00:00:04	0.2712	0.2706	36.0800	1.9455
5	00:00:05	0.2713	0.2707	36.0933	1.9449
6	00:00:06	0.2714	0.2708	36.1067	1.9443
7	00:00:12	0.2717	0.2711	36.1467	1.9425
8	00:00:15	0.2718	0.2712	36.1600	1.9419
9	00:00:30	0.2723	0.2717	36.2267	1.9388
10	00:01:00	0.2731	0.2725	36.3333	1.9339
11	00:02:00	0.2740	0.2734	36.4533	1.9283
12	00:04:00	0.2756	0.2750	36.6667	1.9185
13	00:05:00	0.2762	0.2756	36.7467	1.9148
14	00:08:01	0.2777	0.2771	36.9467	1.9056
15	00:10:01	0.2786	0.2780	37.0667	1.9001
16	00:15:01	0.2804	0.2798	37.3067	1.8890
17	00:20:02	0.2818	0.2812	37.4933	1.8804
18	00:40:03	0.2855	0.2849	37.9867	1.8577
19	01:00:05	0.2876	0.2870	38.2667	1.8448
20	01:30:07	0.2895	0.2889	38.5200	1.8331
21	02:00:09	0.2906	0.2900	38.6667	1.8263
22	02:30:12	0.2914	0.2908	38.7733	1.8214
23	03:00:14	0.2920	0.2914	38.8533	1.8177
24	03:30:16	0.2924	0.2918	38.9067	1.8153
25	04:00:18	0.2928	0.2922	38.9600	1.8128
26	04:30:21	0.2931	0.2925	39.0000	1.8110
27	05:00:23	0.2934	0.2928	39.0400	1.8091
28	05:30:25	0.2936	0.2930	39.0667	1.8079
29	06:00:27	0.2939	0.2933	39.1067	1.8061
30	06:30:30	0.2940	0.2934	39.1300	1.8055
31	07:00:32	0.2942	0.2936	39.1467	1.8042
32	07:30:34	0.2944	0.2938	39.1733	1.8030
33	08:00:37	0.2946	0.2940	39.2000	1.8018
34	08:30:39	0.2947	0.2941	39.2133	1.8012
35	09:00:41	0.2948	0.2942	39.2267	1.8005
36	09:30:43	0.2950	0.2944	39.2533	1.7993

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:46	0.2951	0.2945	39.2667	1.7987
38	10:30:48	0.2952	0.2946	39.2800	1.7981
39	11:00:50	0.2953	0.2947	39.2933	1.7975
40	11:30:53	0.2954	0.2948	39.3067	1.7969
41	12:00:55	0.2955	0.2949	39.3200	1.7962
42	12:30:57	0.2956	0.2950	39.3333	1.7956
43	13:00:59	0.2956	0.2950	39.3333	1.7956
44	13:31:02	0.2957	0.2951	39.3467	1.7950
45	14:01:04	0.2958	0.2952	39.3600	1.7944
46	14:31:06	0.2959	0.2953	39.3733	1.7938
47	15:01:08	0.2960	0.2954	39.3867	1.7932
48	15:31:11	0.2961	0.2955	39.4000	1.7926
49	16:01:13	0.2961	0.2955	39.4000	1.7926
50	16:31:15	0.2962	0.2956	39.4133	1.7919
51	17:01:18	0.2963	0.2957	39.4267	1.7913
52	17:31:20	0.2963	0.2957	39.4267	1.7913
53	18:01:22	0.2964	0.2958	39.4400	1.7907
54	18:31:24	0.2964	0.2958	39.4400	1.7907
55	19:01:27	0.2965	0.2959	39.4533	1.7901
56	19:31:29	0.2965	0.2959	39.4533	1.7901
57	20:01:31	0.2966	0.2960	39.4667	1.7895
58	20:31:34	0.2966	0.2960	39.4667	1.7895
59	21:01:36	0.2967	0.2961	39.4800	1.7889
60	21:31:38	0.2968	0.2962	39.4933	1.7883
61	22:01:40	0.2968	0.2962	39.4933	1.7883
62	22:31:43	0.2969	0.2963	39.5067	1.7876
63	23:01:45	0.2969	0.2963	39.5067	1.7876
64	23:31:47	0.2970	0.2964	39.5200	1.7870
65	24:01:49	0.2970	0.2964	39.5200	1.7870
66	24:31:52	0.2971	0.2965	39.5333	1.7864
67	25:01:54	0.2971	0.2965	39.5333	1.7864
68	25:31:56	0.2971	0.2965	39.5333	1.7864
69	26:01:59	0.2972	0.2966	39.5467	1.7858
70	26:32:01	0.2972	0.2966	39.5467	1.7858
71	27:02:03	0.2972	0.2966	39.5467	1.7858
72	27:32:05	0.2973	0.2967	39.5600	1.7852
73	27:56:53	0.2973	0.2967	39.5600	1.7852

Consolidation Test Results
(Sequence 12) Load 2,000 tsf

Consolidation Test Results
(Sequence 12) Load 2,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

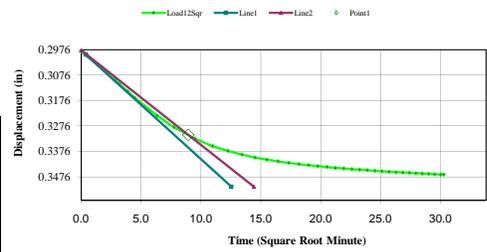
Project Number: 16715-020-00
Test Date: 6 June 11
Test Number:

Sample Number: 7
Boring Number: 5 - 7 feet
Depth: Undisturbed
Sample Type: Undisturbed

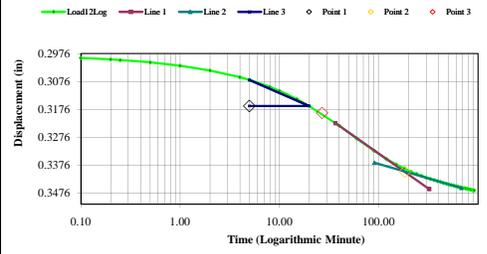
Soil Description: Organic Clay (OH)
Remarks:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2973	0.2967	39.5600	1.7852
1	00:00:01	0.2985	0.2979	39.7200	1.7778
2	00:00:02	0.2987	0.2981	39.7467	1.7766
3	00:00:03	0.2988	0.2982	39.7600	1.7760
4	00:00:04	0.2989	0.2983	39.7733	1.7754
5	00:00:05	0.2991	0.2985	39.8000	1.7741
6	00:00:06	0.2992	0.2986	39.8133	1.7735
7	00:00:12	0.2997	0.2991	39.8800	1.7704
8	00:00:15	0.3000	0.2994	39.9200	1.7686
9	00:00:30	0.3008	0.3002	40.0267	1.7637
10	00:01:00	0.3020	0.3014	40.1867	1.7563
11	00:02:00	0.3037	0.3031	40.4133	1.7459
12	00:04:00	0.3061	0.3055	40.7333	1.7311
13	00:05:00	0.3071	0.3065	40.8667	1.7250
14	00:08:00	0.3096	0.3090	41.2000	1.7096
15	00:10:00	0.3110	0.3104	41.3867	1.7010
16	00:15:01	0.3140	0.3134	41.7867	1.6826
17	00:20:01	0.3165	0.3159	42.1200	1.6672
18	00:40:03	0.3235	0.3229	43.0533	1.6242
19	01:00:04	0.3281	0.3275	43.6667	1.5959
20	01:30:06	0.3325	0.3319	44.2533	1.5689
21	02:00:09	0.3355	0.3349	44.6533	1.5505
22	02:30:11	0.3374	0.3368	44.9067	1.5388
23	03:00:13	0.3388	0.3382	45.0933	1.5302
24	03:30:16	0.3400	0.3394	45.2533	1.5228
25	04:00:18	0.3408	0.3402	45.3600	1.5179
26	04:30:20	0.3415	0.3409	45.4533	1.5136
27	05:00:22	0.3421	0.3415	45.5333	1.5099
28	05:30:25	0.3426	0.3420	45.6000	1.5068
29	06:00:27	0.3430	0.3424	45.6533	1.5044
30	06:30:29	0.3434	0.3428	45.7067	1.5019
31	07:00:32	0.3437	0.3431	45.7467	1.5001
32	07:30:34	0.3441	0.3435	45.8000	1.4976
33	08:00:36	0.3443	0.3437	45.8267	1.4964
34	08:30:38	0.3446	0.3440	45.8667	1.4946
35	09:00:41	0.3448	0.3442	45.8933	1.4933
36	09:30:43	0.3450	0.3444	45.9200	1.4921

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:45	0.3452	0.3446	45.9467	1.4909
38	10:30:48	0.3454	0.3448	45.9733	1.4896
39	11:00:50	0.3456	0.3450	46.0000	1.4884
40	11:30:52	0.3458	0.3452	46.0267	1.4872
41	12:00:54	0.3459	0.3453	46.0400	1.4866
42	12:30:57	0.3460	0.3454	46.0533	1.4860
43	13:00:59	0.3462	0.3456	46.0800	1.4847
44	13:31:01	0.3463	0.3457	46.0933	1.4841
45	14:01:04	0.3464	0.3458	46.1067	1.4835
46	14:31:06	0.3466	0.3460	46.1333	1.4823
47	15:01:08	0.3467	0.3461	46.1467	1.4817
48	15:15:57	0.3467	0.3461	46.1467	1.4817

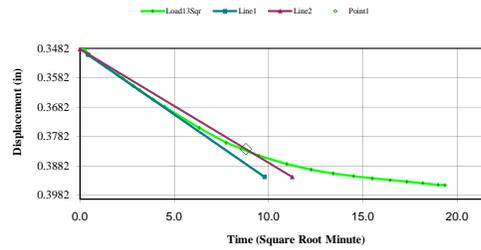
Consolidation Test Results
(Sequence 13) Load 4.000 tsf

Consolidation Test Results
(Sequence 13) Load 4.000 tsf

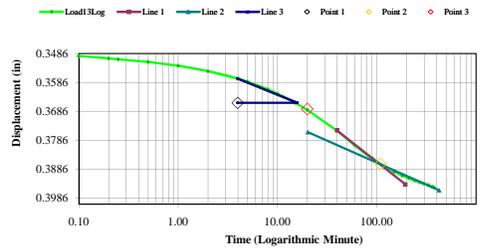
Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 6 June 11
 Test Number:
 Sample Number: 7 Soil Description: Organic Clay (OH)
 Boring Number: 5 - 7 feet Remarks:
 Depth: Undisturbed
 Sample Type:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.3467	0.3461	46.1467	1.4817
1	00:00:01	0.3484	0.3478	46.3733	1.4712
2	00:00:02	0.3487	0.3481	46.4133	1.4694
3	00:00:03	0.3490	0.3484	46.4533	1.4675
4	00:00:04	0.3491	0.3485	46.4667	1.4669
5	00:00:05	0.3493	0.3487	46.4933	1.4657
6	00:00:06	0.3495	0.3489	46.5200	1.4645
7	00:00:12	0.3503	0.3497	46.6267	1.4595
8	00:00:15	0.3506	0.3500	46.6667	1.4577
9	00:00:30	0.3515	0.3509	46.7867	1.4522
10	00:01:00	0.3528	0.3522	46.9600	1.4442
11	00:02:00	0.3547	0.3541	47.2133	1.4325
12	00:04:00	0.3573	0.3567	47.5600	1.4165
13	00:05:00	0.3583	0.3577	47.6933	1.4104
14	00:08:00	0.3610	0.3604	48.0533	1.3938
15	00:10:01	0.3625	0.3619	48.2533	1.3846
16	00:15:01	0.3656	0.3650	48.6667	1.3655
17	00:20:01	0.3681	0.3675	49.0000	1.3502
18	00:40:03	0.3753	0.3747	49.9600	1.3059
19	01:00:04	0.3803	0.3797	50.6267	1.2752
20	01:30:07	0.3848	0.3842	51.2267	1.2476
21	02:00:09	0.3876	0.3870	51.6000	1.2304
22	02:30:11	0.3895	0.3889	51.8533	1.2187
23	03:00:14	0.3908	0.3902	52.0267	1.2107
24	03:30:16	0.3917	0.3911	52.1467	1.2052
25	04:00:18	0.3925	0.3919	52.2533	1.2003
26	04:30:20	0.3931	0.3925	52.3333	1.1966
27	05:00:23	0.3936	0.3930	52.4000	1.1935
28	05:30:25	0.3941	0.3935	52.4667	1.1904
29	06:00:27	0.3947	0.3941	52.5467	1.1867
30	06:14:11	0.3948	0.3942	52.5600	1.1861

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



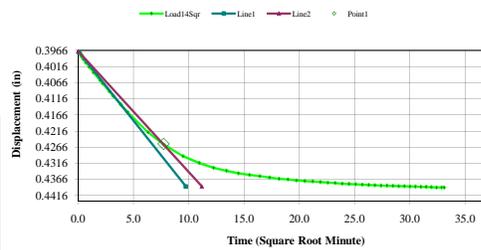
Consolidation Test Results
(Sequence 14) Load 8.000 tsf

Consolidation Test Results
(Sequence 14) Load 8.000 tsf

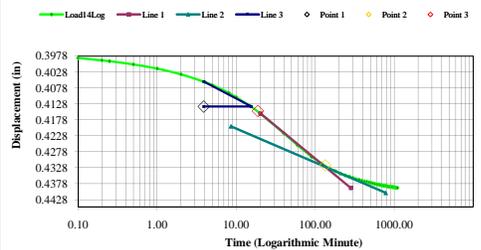
Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 6 June 11
 Test Number:
 Sample Number: 7 Soil Description: Organic Clay (OH)
 Boring Number: 5 - 7 feet Remarks:
 Depth: Undisturbed
 Sample Type:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.3948	0.3942	52.5600	1.1861
1	00:00:01	0.3970	0.3964	52.8533	1.1726
2	00:00:02	0.3975	0.3969	52.9200	1.1695
3	00:00:03	0.3977	0.3971	52.9467	1.1683
4	00:00:04	0.3980	0.3974	52.9867	1.1665
5	00:00:05	0.3982	0.3976	53.0133	1.1652
6	00:00:06	0.3984	0.3978	53.0400	1.1640
7	00:00:12	0.3991	0.3985	53.1333	1.1597
8	00:00:15	0.3994	0.3988	53.1733	1.1579
9	00:00:30	0.4004	0.3998	53.3067	1.1517
10	00:01:00	0.4017	0.4011	53.4800	1.1437
11	00:02:00	0.4035	0.4029	53.7200	1.1327
12	00:04:00	0.4059	0.4053	54.0400	1.1179
13	00:05:00	0.4069	0.4063	54.1733	1.1118
14	00:08:01	0.4093	0.4087	54.4933	1.0970
15	00:10:01	0.4107	0.4101	54.6800	1.0884
16	00:15:01	0.4134	0.4128	55.0400	1.0718
17	00:20:01	0.4157	0.4151	55.3467	1.0577
18	00:40:03	0.4220	0.4214	56.1867	1.0190
19	01:00:05	0.4258	0.4252	56.6933	0.9956
20	01:30:07	0.4294	0.4288	57.1733	0.9735
21	02:00:09	0.4315	0.4309	57.4533	0.9606
22	02:30:11	0.4330	0.4324	57.6533	0.9514
23	03:00:14	0.4339	0.4333	57.7733	0.9459
24	03:30:16	0.4347	0.4341	57.8800	0.9410
25	04:00:18	0.4352	0.4346	57.9467	0.9379
26	04:30:20	0.4356	0.4350	58.0000	0.9354
27	05:00:23	0.4360	0.4354	58.0533	0.9330
28	05:30:25	0.4364	0.4358	58.1067	0.9305
29	06:00:27	0.4366	0.4360	58.1333	0.9293
30	06:30:29	0.4369	0.4363	58.1733	0.9274
31	07:00:32	0.4371	0.4365	58.2000	0.9262
32	07:30:34	0.4372	0.4366	58.2133	0.9256
33	08:00:36	0.4374	0.4368	58.2400	0.9244
34	08:30:39	0.4376	0.4370	58.2667	0.9231
35	09:00:41	0.4377	0.4371	58.2800	0.9225
36	09:30:43	0.4379	0.4373	58.3067	0.9213

Consolidation Graph (Square-root Time)

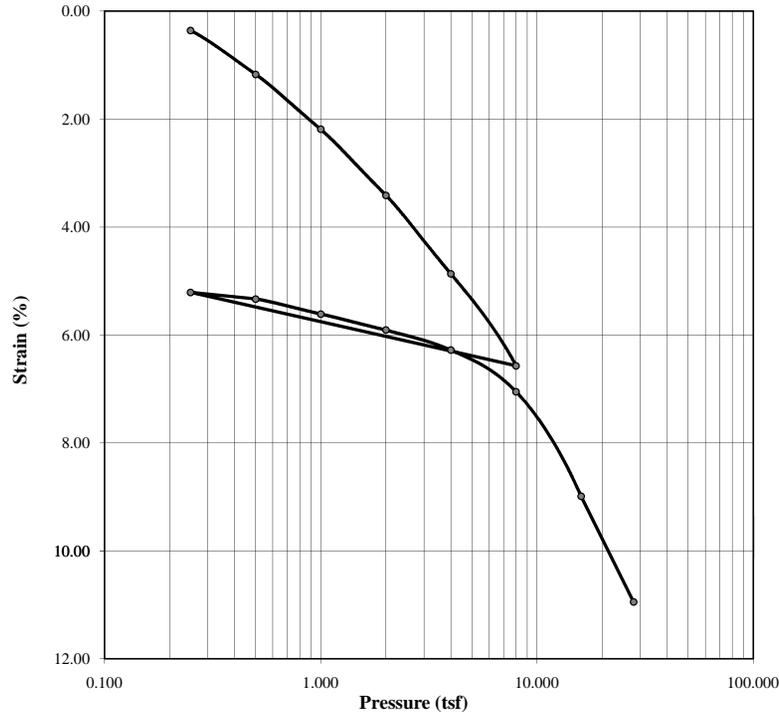


Consolidation Graph (Logarithmic Time)



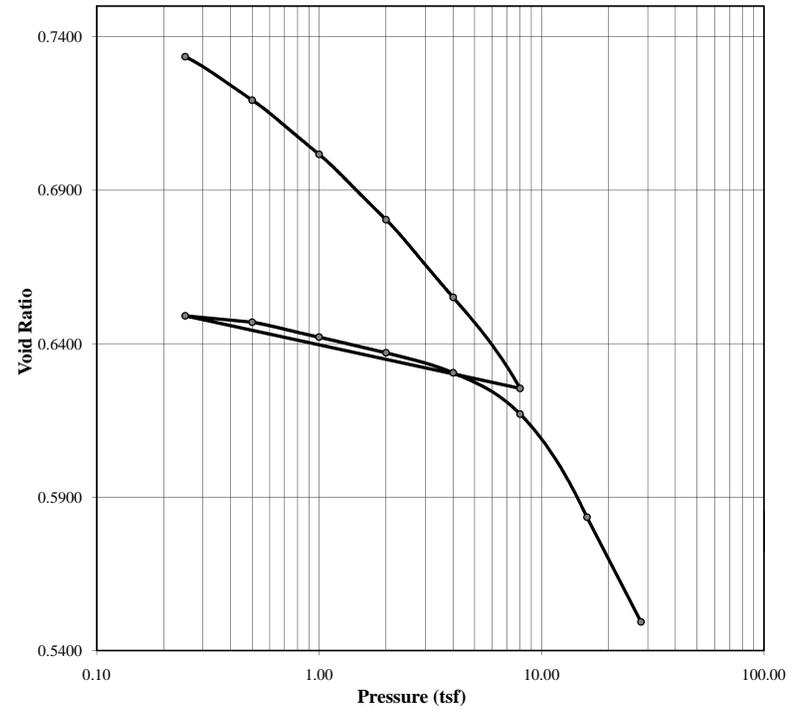
37	10:00:45	0.4380	0.4374	58.3200	0.9207
38	10:30:48	0.4381	0.4375	58.3333	0.9201
39	11:00:50	0.4382	0.4376	58.3467	0.9195
40	11:30:52	0.4383	0.4377	58.3600	0.9188
41	12:00:55	0.4384	0.4378	58.3733	0.9182
42	12:30:57	0.4385	0.4379	58.3867	0.9176
43	13:00:59	0.4385	0.4379	58.3867	0.9176
44	13:31:02	0.4386	0.4380	58.4000	0.9170
45	14:01:04	0.4387	0.4381	58.4133	0.9164
46	14:31:06	0.4387	0.4381	58.4133	0.9164
47	15:01:08	0.4388	0.4382	58.4267	0.9158
48	15:31:11	0.4388	0.4382	58.4267	0.9158
49	16:01:13	0.4389	0.4383	58.4400	0.9152
50	16:31:15	0.4389	0.4383	58.4400	0.9152
51	17:01:18	0.4390	0.4384	58.4533	0.9145
52	17:31:20	0.4391	0.4385	58.4667	0.9139
53	18:01:22	0.4391	0.4385	58.4667	0.9139
54	18:16:10	0.4391	0.4385	58.4667	0.9139

**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	22	Test Date:	7 June 11
Moisture (%):	27.51	28.97	Plastic Limits:	20		
Dry Density (pcf):	93.84	100.57	Plasticity Index (%):	2		
Saturation (%):	97.02	121.17				
Void Ratio:	0.7409	0.5503	Specific Gravity:	2.620	Measured	
Sample Description:	Fine sand (SP)					
Project Number:	16715-020-00	Depth:	15 - 17 feet			
Sample Number:	Boring Number: 11		Remarks:			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

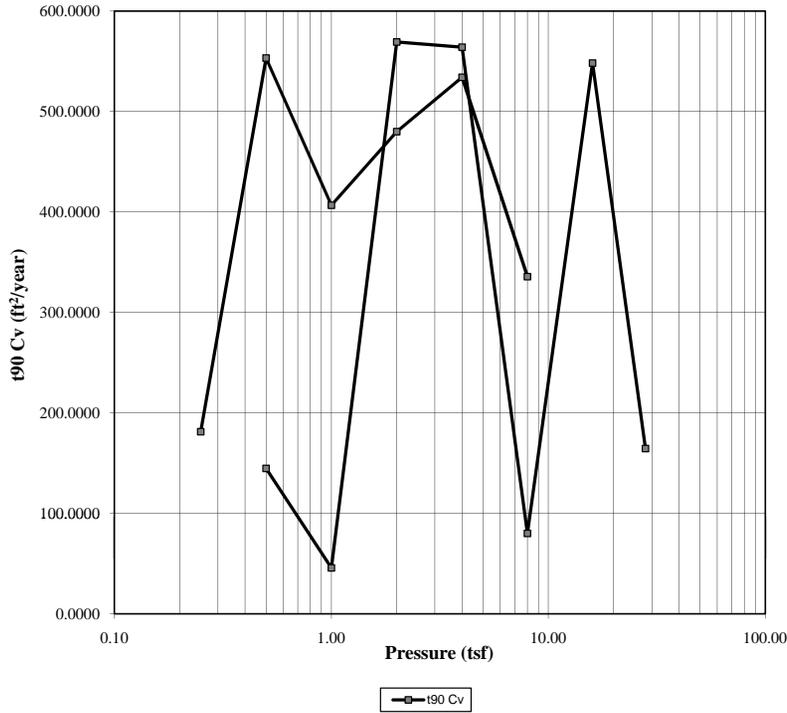
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	22	Test Date:	7 June 11
Moisture (%):	27.51	28.97	Plastic Limits:	20		
Dry Density (pcf):	93.84	100.57	Plasticity Index (%):	2		
Saturation (%):	97.02	121.17				
Void Ratio:	0.7409	0.5503	Specific Gravity:	2.620	Measured	
Soil Description:	Fine sand (SP)					
Project Number:	16715-020-00	Depth:	15 - 17 feet			
Sample Number:	Boring Number: 11		Remarks:			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



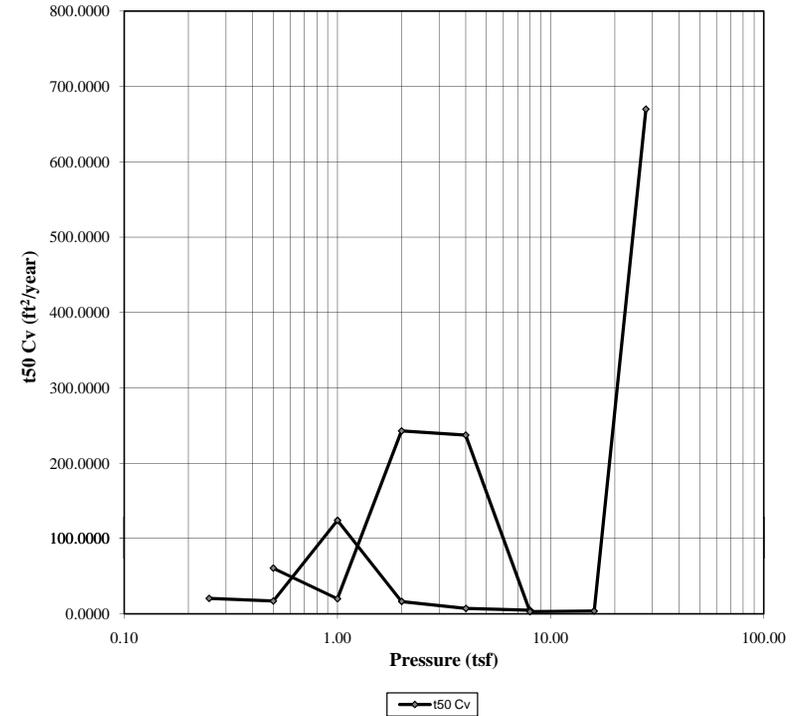
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	22	Test Date:	7 June 11
Moisture (%):	27.51	28.97	Plastic Limits:	20		
Dry Density (pcf):	93.84	100.57	Plasticity Index (%):	2		
Saturation (%):	97.02	121.17				
Void Ratio:	0.7409	0.5503	Specific Gravity:	2.620	Measured	
Soil Description:	Fine sand (SP)					
Sample Number:	16715-020-00	Depth:	15 - 17 feet		Remarks:	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	22	Test Date:	7 June 11
Moisture (%):	27.51	28.97	Plastic Limits:	20		
Dry Density (pcf):	93.84	100.57	Plasticity Index (%):	2		
Saturation (%):	97.02	121.17				
Void Ratio:	0.7409	0.5503	Specific Gravity:	2.620	Measured	
Soil Description:	Fine sand (SP)					
Sample Number:	16715-020-00	Depth:	15 - 17 feet		Remarks:	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)
 Location: 11-21
 Job Number: 11-21

Project Number: 16715-020-00

Sample Number: 11
 Boring Number: 15 - 17 feet
 Depth: Undisturbed
 Sample Type:

Sample Description: Fine sand (SP)
 Remarks:

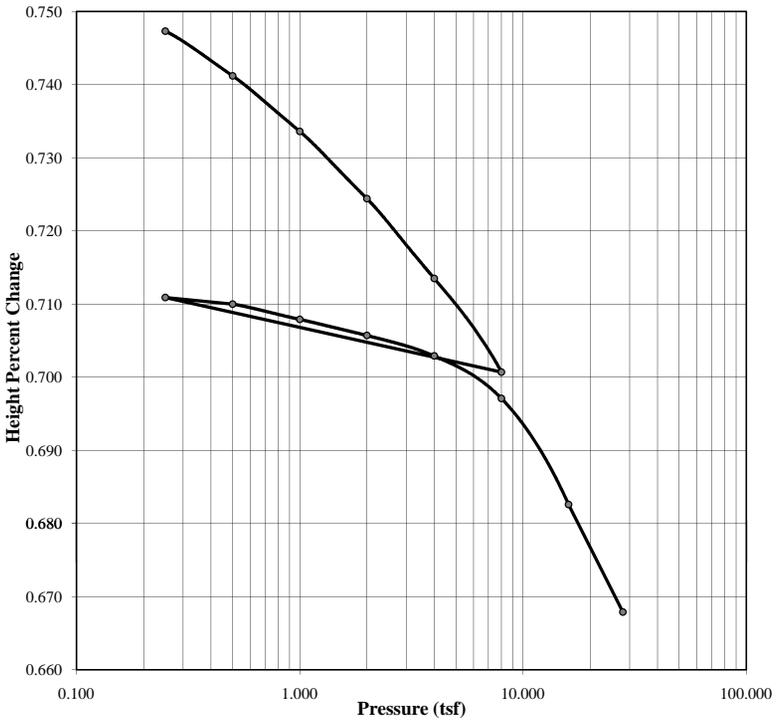
Test Number: 7 June 11
 Test Date:

Index	Load Sequence (tsf)	Cumulative Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	190 Fitting Time (min)	150 Fitting Time (min)	190 Cv (ft ² /year)	150 Cv (ft ² /year)
0	0.000	0.0000	0.7500	0.3189	0.00	0.7398	0.000	0.000	0.000	0.000
1	0.250	0.0027	0.7473	0.3162	0.36	0.7335	2.384	4.899	181.242	20.492
2	0.500	0.0088	0.7412	0.3101	1.17	0.7194	0.768	5.811	553.224	16.996
3	1.000	0.0164	0.7336	0.3025	2.19	0.7017	1.024	0.779	406.572	124.138
4	2.000	0.0256	0.7244	0.2933	3.41	0.6804	0.846	5.775	479.998	16.336
5	4.000	0.0365	0.7135	0.2824	4.87	0.6551	0.738	12.848	534.030	4.686
6	8.000	0.0493	0.7007	0.2696	6.57	0.6254	1.132	18.834	335.698	7.123
7	0.250	0.0391	0.7109	0.2798	5.21	0.6491	0.000	0.000	0.000	0.000
8	0.500	0.0400	0.7100	0.2789	5.33	0.6470	* 2.6950	1.497	144.739	60.525
9	1.000	0.0421	0.7079	0.2768	5.61	0.6421	8.480	4.523	45.726	19.918
10	2.000	0.0443	0.7057	0.2746	5.91	0.6370	0.677	0.369	569.225	242.760
11	4.000	0.0471	0.7029	0.2718	6.28	0.6305	0.678	0.374	563.884	237.193
12	8.000	0.0529	0.6971	0.2660	7.05	0.6171	4.702	30.609	79.969	2.854
13	16.000	0.0674	0.6826	0.2515	8.99	0.5834	23.047	548.117	3.634	3.634
14	28.000	0.0821	0.6679	0.2368	10.95	0.5493	2.098	0.120	164.557	669.745

*Predicted value indicated with **



Consolidation Test Test Results



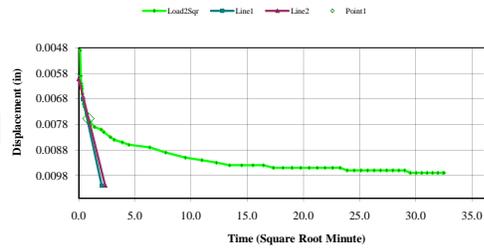
	Before	After	Liquid Limits:	22	Test Date:	7 June 11
Moisture (%):	27.51	28.97	Plastic Limits:	20		
Dry Density (pcf):	93.84	100.57	Plasticity Index (%):	2		
Saturation (%):	97.02	121.17				
Void Ratio:	0.7409	0.5503	Specific Gravity:	2.620	Measured	
Soil Description:	Fine sand (SP)					
Sample Number:	16715-020-00		Depth:	15 - 17 feet		
Sample Number:			Boring Number:	11		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results (Sequence 2) Load 0.500 tsf	Consolidation Test Results (Sequence 2) Load 0.500 tsf
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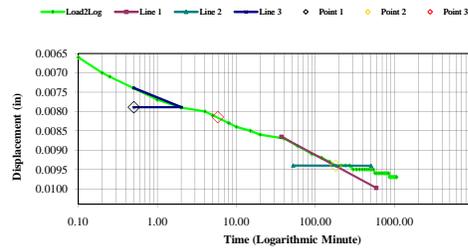
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 7 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 11 Fine sand (SP)
Depth: 15 - 17 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0036	0.0027	0.3600	0.7346
1	00:00:01	0.0049	0.0040	0.5333	0.7316
2	00:00:02	0.0059	0.0050	0.6667	0.7293
3	00:00:03	0.0062	0.0053	0.7067	0.7286
4	00:00:04	0.0063	0.0054	0.7200	0.7284
5	00:00:05	0.0064	0.0055	0.7333	0.7281
6	00:00:06	0.0066	0.0057	0.7600	0.7277
7	00:00:12	0.0070	0.0061	0.8133	0.7268
8	00:00:15	0.0071	0.0062	0.8267	0.7265
9	00:00:30	0.0074	0.0065	0.8667	0.7258
10	00:01:00	0.0077	0.0068	0.9067	0.7251
11	00:02:00	0.0079	0.0070	0.9333	0.7247
12	00:04:00	0.0080	0.0071	0.9467	0.7244
13	00:05:00	0.0081	0.0072	0.9600	0.7242
14	00:08:00	0.0083	0.0074	0.9867	0.7237
15	00:10:00	0.0084	0.0075	1.0000	0.7235
16	00:15:01	0.0085	0.0076	1.0133	0.7233
17	00:20:01	0.0086	0.0077	1.0267	0.7230
18	00:40:03	0.0087	0.0078	1.0400	0.7228
19	01:00:04	0.0089	0.0080	1.0667	0.7223
20	01:30:06	0.0091	0.0082	1.0933	0.7219
21	02:00:09	0.0092	0.0083	1.1067	0.7216
22	02:30:11	0.0093	0.0084	1.1200	0.7214
23	03:00:13	0.0094	0.0085	1.1333	0.7212
24	03:30:15	0.0094	0.0085	1.1333	0.7212
25	04:00:18	0.0094	0.0085	1.1333	0.7212
26	04:30:20	0.0094	0.0085	1.1333	0.7212
27	05:00:22	0.0095	0.0086	1.1467	0.7209
28	05:30:25	0.0095	0.0086	1.1467	0.7209
29	06:00:27	0.0095	0.0086	1.1467	0.7209
30	06:30:29	0.0095	0.0086	1.1467	0.7209
31	07:00:31	0.0095	0.0086	1.1467	0.7209
32	07:30:34	0.0095	0.0086	1.1467	0.7209
33	08:00:36	0.0095	0.0086	1.1467	0.7209
34	08:30:38	0.0095	0.0086	1.1467	0.7209
35	09:00:41	0.0095	0.0086	1.1467	0.7209
36	09:30:43	0.0096	0.0087	1.1600	0.7207

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



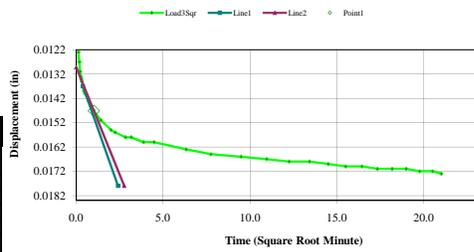
37	10:00:45	0.0096	0.0087	1.1600	0.7207
38	10:30:47	0.0096	0.0087	1.1600	0.7207
39	11:00:50	0.0096	0.0087	1.1600	0.7207
40	11:30:52	0.0096	0.0087	1.1600	0.7207
41	12:00:54	0.0096	0.0087	1.1600	0.7207
42	12:30:56	0.0096	0.0087	1.1600	0.7207
43	13:00:59	0.0096	0.0087	1.1600	0.7207
44	13:31:01	0.0096	0.0087	1.1600	0.7207
45	14:01:03	0.0096	0.0087	1.1600	0.7207
46	14:31:06	0.0097	0.0088	1.1733	0.7205
47	15:01:08	0.0097	0.0088	1.1733	0.7205
48	15:31:10	0.0097	0.0088	1.1733	0.7205
49	16:01:12	0.0097	0.0088	1.1733	0.7205
50	16:31:15	0.0097	0.0088	1.1733	0.7205
51	17:01:17	0.0097	0.0088	1.1733	0.7205
52	17:31:19	0.0097	0.0088	1.1733	0.7205
53	17:35:48	0.0097	0.0088	1.1733	0.7205

Consolidation Test Results (Sequence 3) Load 1.000 tsf	Consolidation Test Results (Sequence 3) Load 1.000 tsf
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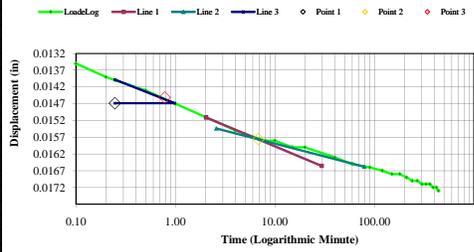
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 7 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 11 Fine sand (SP)
Depth: 15 - 17 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0097	0.0088	1.1733	0.7205
1	00:00:01	0.0123	0.0114	1.5200	0.7144
2	00:00:02	0.0127	0.0118	1.5733	0.7135
3	00:00:03	0.0131	0.0122	1.6267	0.7126
4	00:00:04	0.0133	0.0124	1.6533	0.7121
5	00:00:05	0.0134	0.0125	1.6667	0.7119
6	00:00:06	0.0135	0.0126	1.6800	0.7117
7	00:00:12	0.0139	0.0130	1.7333	0.7107
8	00:00:15	0.0140	0.0131	1.7467	0.7105
9	00:00:30	0.0143	0.0134	1.7867	0.7098
10	00:01:00	0.0147	0.0138	1.8400	0.7089
11	00:02:00	0.0151	0.0142	1.8933	0.7080
12	00:04:00	0.0155	0.0146	1.9467	0.7070
13	00:05:00	0.0156	0.0147	1.9600	0.7068
14	00:08:00	0.0158	0.0149	1.9867	0.7063
15	00:10:00	0.0158	0.0149	1.9867	0.7063
16	00:15:00	0.0160	0.0151	2.0133	0.7059
17	00:20:00	0.0160	0.0151	2.0133	0.7059
18	00:40:00	0.0163	0.0154	2.0533	0.7052
19	00:59:59	0.0165	0.0156	2.0800	0.7047
20	01:30:01	0.0166	0.0157	2.0933	0.7045
21	02:00:04	0.0167	0.0158	2.1067	0.7042
22	02:30:06	0.0168	0.0159	2.1200	0.7040
23	03:00:08	0.0168	0.0159	2.1200	0.7040
24	03:30:10	0.0169	0.0160	2.1333	0.7038
25	04:00:13	0.0170	0.0161	2.1467	0.7035
26	04:30:15	0.0170	0.0161	2.1467	0.7035
27	05:00:17	0.0171	0.0162	2.1600	0.7033
28	05:30:20	0.0171	0.0162	2.1600	0.7033
29	06:00:22	0.0171	0.0162	2.1600	0.7033
30	06:30:24	0.0172	0.0163	2.1733	0.7031
31	07:00:26	0.0172	0.0163	2.1733	0.7031
32	07:21:08	0.0173	0.0164	2.1867	0.7028

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

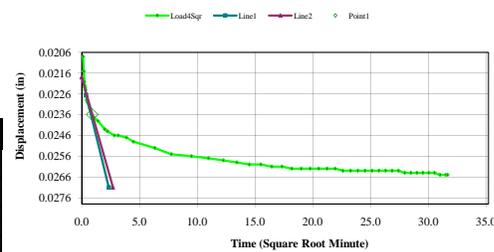


Consolidation Test Results (Sequence 4) Load 2.000 tsf	Consolidation Test Results (Sequence 4) Load 2.000 tsf
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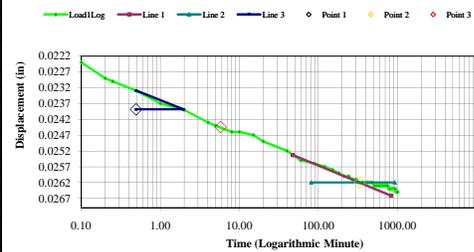
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 7 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 11 Fine sand (SP)
Depth: 15 - 17 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0173	0.0164	2.1867	0.7028
1	00:00:01	0.0208	0.0199	2.6533	0.6947
2	00:00:02	0.0215	0.0206	2.7467	0.6931
3	00:00:03	0.0220	0.0211	2.8133	0.6919
4	00:00:04	0.0222	0.0213	2.8400	0.6915
5	00:00:05	0.0223	0.0214	2.8533	0.6912
6	00:00:06	0.0224	0.0215	2.8667	0.6910
7	00:00:12	0.0229	0.0220	2.9333	0.6898
8	00:00:15	0.0230	0.0221	2.9467	0.6896
9	00:00:30	0.0233	0.0224	2.9867	0.6889
10	00:01:00	0.0237	0.0228	3.0400	0.6880
11	00:02:00	0.0239	0.0230	3.0667	0.6875
12	00:04:01	0.0243	0.0234	3.1200	0.6866
13	00:05:01	0.0244	0.0235	3.1333	0.6864
14	00:08:01	0.0246	0.0237	3.1600	0.6859
15	00:10:01	0.0246	0.0237	3.1600	0.6859
16	00:15:01	0.0247	0.0238	3.1733	0.6857
17	00:20:02	0.0249	0.0240	3.2000	0.6852
18	00:40:03	0.0252	0.0243	3.2400	0.6845
19	01:00:05	0.0255	0.0246	3.2800	0.6838
20	01:30:07	0.0256	0.0247	3.2933	0.6836
21	02:00:09	0.0257	0.0248	3.3067	0.6833
22	02:30:12	0.0258	0.0249	3.3200	0.6831
23	03:00:14	0.0259	0.0250	3.3333	0.6829
24	03:30:16	0.0260	0.0251	3.3467	0.6826
25	04:00:18	0.0260	0.0251	3.3467	0.6826
26	04:30:21	0.0261	0.0252	3.3600	0.6824
27	05:00:23	0.0261	0.0252	3.3600	0.6824
28	05:30:25	0.0262	0.0253	3.3733	0.6822
29	06:00:28	0.0262	0.0253	3.3733	0.6822
30	06:30:30	0.0262	0.0253	3.3733	0.6822
31	07:00:32	0.0262	0.0253	3.3733	0.6822
32	07:30:34	0.0262	0.0253	3.3733	0.6822
33	08:00:37	0.0262	0.0253	3.3733	0.6822
34	08:30:39	0.0263	0.0254	3.3867	0.6820
35	09:00:41	0.0263	0.0254	3.3867	0.6820
36	09:30:44	0.0263	0.0254	3.3867	0.6820

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



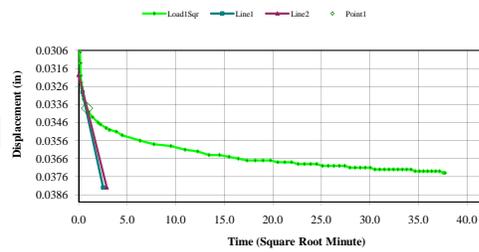
37	10:00:46	0.0263	0.0254	3.3867	0.6820
38	10:30:48	0.0263	0.0254	3.3867	0.6820
39	11:00:50	0.0263	0.0254	3.3867	0.6820
40	11:30:53	0.0263	0.0254	3.3867	0.6820
41	12:00:55	0.0263	0.0254	3.3867	0.6820
42	12:30:57	0.0263	0.0254	3.3867	0.6820
43	13:01:00	0.0264	0.0255	3.4000	0.6817
44	13:31:02	0.0264	0.0255	3.4000	0.6817
45	14:01:04	0.0264	0.0255	3.4000	0.6817
46	14:31:06	0.0264	0.0255	3.4000	0.6817
47	15:01:09	0.0264	0.0255	3.4000	0.6817
48	15:31:11	0.0264	0.0255	3.4000	0.6817
49	16:01:13	0.0265	0.0256	3.4133	0.6815
50	16:31:16	0.0265	0.0256	3.4133	0.6815
51	16:41:20	0.0265	0.0256	3.4133	0.6815

Consolidation Test Results (Sequence 5) Load 4.000 tsf	Consolidation Test Results (Sequence 5) Load 4.000 tsf
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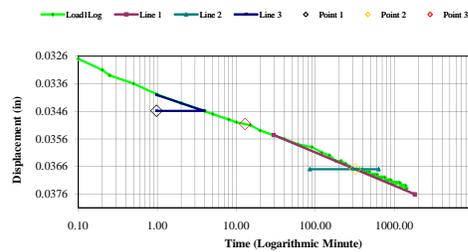
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: 11-21 **Test Date:** 7 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 11 **Remarks:** Fine sand (SP)
Depth: 15 - 17 feet
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0265	0.0256	3.4133	0.6815
1	00:00:01	0.0307	0.0298	3.9733	0.6717
2	00:00:02	0.0313	0.0304	4.0533	0.6703
3	00:00:03	0.0320	0.0311	4.1467	0.6687
4	00:00:04	0.0324	0.0315	4.2000	0.6678
5	00:00:05	0.0326	0.0317	4.2267	0.6673
6	00:00:06	0.0327	0.0318	4.2400	0.6671
7	00:00:12	0.0331	0.0322	4.2933	0.6662
8	00:00:15	0.0333	0.0324	4.3200	0.6657
9	00:00:30	0.0336	0.0327	4.3600	0.6650
10	00:01:00	0.0340	0.0331	4.4133	0.6641
11	00:02:00	0.0343	0.0334	4.4533	0.6634
12	00:04:01	0.0346	0.0337	4.4933	0.6627
13	00:05:01	0.0347	0.0338	4.5067	0.6625
14	00:08:01	0.0349	0.0340	4.5333	0.6620
15	00:10:01	0.0350	0.0341	4.5467	0.6618
16	00:15:01	0.0351	0.0342	4.5600	0.6615
17	00:20:02	0.0353	0.0344	4.5867	0.6611
18	00:40:03	0.0356	0.0347	4.6267	0.6604
19	01:00:05	0.0358	0.0349	4.6533	0.6599
20	01:30:07	0.0359	0.0350	4.6667	0.6597
21	02:00:09	0.0361	0.0352	4.6933	0.6592
22	02:30:12	0.0362	0.0353	4.7067	0.6590
23	03:00:14	0.0364	0.0355	4.7333	0.6585
24	03:30:16	0.0364	0.0355	4.7333	0.6585
25	04:00:18	0.0365	0.0356	4.7467	0.6583
26	04:30:21	0.0366	0.0357	4.7600	0.6580
27	05:00:23	0.0367	0.0358	4.7733	0.6578
28	05:30:25	0.0367	0.0358	4.7733	0.6578
29	06:00:27	0.0367	0.0358	4.7733	0.6578
30	06:30:29	0.0367	0.0358	4.7733	0.6578
31	07:00:31	0.0368	0.0359	4.7867	0.6576
32	07:30:33	0.0368	0.0359	4.7867	0.6576
33	08:00:36	0.0369	0.0360	4.8000	0.6573
34	08:30:38	0.0369	0.0360	4.8000	0.6573
35	09:00:40	0.0369	0.0360	4.8000	0.6573
36	09:30:43	0.0369	0.0360	4.8000	0.6573

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



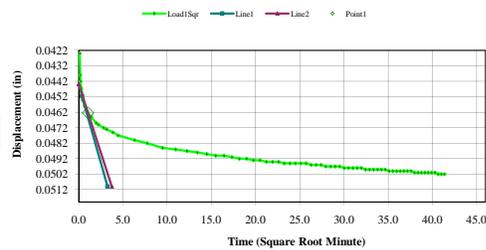
37	10:00:45	0.0369	0.0360	4.8000	0.6573
38	10:30:47	0.0370	0.0361	4.8133	0.6571
39	11:00:49	0.0370	0.0361	4.8133	0.6571
40	11:30:52	0.0370	0.0361	4.8133	0.6571
41	12:00:54	0.0370	0.0361	4.8133	0.6571
42	12:30:56	0.0370	0.0361	4.8133	0.6571
43	13:00:59	0.0371	0.0362	4.8267	0.6569
44	13:31:01	0.0371	0.0362	4.8267	0.6569
45	14:01:03	0.0371	0.0362	4.8267	0.6569
46	14:31:05	0.0371	0.0362	4.8267	0.6569
47	15:01:08	0.0371	0.0362	4.8267	0.6569
48	15:31:10	0.0372	0.0363	4.8400	0.6567
49	16:01:12	0.0372	0.0363	4.8400	0.6567
50	16:31:14	0.0372	0.0363	4.8400	0.6567
51	17:01:17	0.0372	0.0363	4.8400	0.6567
52	17:31:19	0.0372	0.0363	4.8400	0.6567
53	18:01:21	0.0372	0.0363	4.8400	0.6567
54	18:31:24	0.0372	0.0363	4.8400	0.6567
55	19:01:26	0.0372	0.0363	4.8400	0.6567
56	19:31:28	0.0372	0.0363	4.8400	0.6567
57	20:01:30	0.0373	0.0364	4.8533	0.6564
58	20:31:33	0.0373	0.0364	4.8533	0.6564
59	21:01:35	0.0373	0.0364	4.8533	0.6564
60	21:31:37	0.0373	0.0364	4.8533	0.6564
61	22:01:39	0.0373	0.0364	4.8533	0.6564
62	22:31:42	0.0373	0.0364	4.8533	0.6564
63	23:01:44	0.0373	0.0364	4.8533	0.6564
64	23:31:46	0.0374	0.0365	4.8667	0.6562
65	23:43:00	0.0374	0.0365	4.8667	0.6562

Consolidation Test Results (Sequence 6) Load 8,000 tsf	Consolidation Test Results (Sequence 6) Load 8,000 tsf
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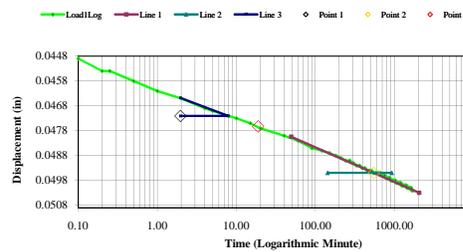
Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: 11-21 Test Date: 7 June 11
 Job Number: 11-21 Test Number:
 Sample Number: Soil Description: Fine sand (SP)
 Boring Number: 11 Remarks:
 Depth: 15 - 17 feet
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0374	0.0365	4.8667	0.6562
1	00:00:01	0.0424	0.0415	5.5333	0.6446
2	00:00:02	0.0438	0.0429	5.7200	0.6413
3	00:00:03	0.0442	0.0433	5.7733	0.6404
4	00:00:04	0.0446	0.0437	5.8267	0.6395
5	00:00:05	0.0447	0.0438	5.8400	0.6392
6	00:00:06	0.0449	0.0440	5.8667	0.6388
7	00:00:12	0.0454	0.0445	5.9333	0.6376
8	00:00:15	0.0454	0.0445	5.9333	0.6376
9	00:00:30	0.0458	0.0449	5.9867	0.6367
10	00:01:00	0.0462	0.0453	6.0400	0.6358
11	00:02:00	0.0465	0.0456	6.0800	0.6351
12	00:04:00	0.0469	0.0460	6.1333	0.6341
13	00:05:00	0.0470	0.0461	6.1467	0.6339
14	00:08:00	0.0472	0.0463	6.1733	0.6334
15	00:10:00	0.0473	0.0464	6.1867	0.6332
16	00:15:01	0.0475	0.0466	6.2133	0.6327
17	00:20:01	0.0477	0.0468	6.2400	0.6323
18	00:40:03	0.0480	0.0471	6.2800	0.6316
19	01:00:04	0.0482	0.0473	6.3067	0.6311
20	01:30:07	0.0485	0.0476	6.3467	0.6304
21	02:00:09	0.0486	0.0477	6.3600	0.6302
22	02:30:11	0.0487	0.0478	6.3733	0.6300
23	03:00:14	0.0488	0.0479	6.3867	0.6297
24	03:30:16	0.0489	0.0480	6.4000	0.6295
25	04:00:18	0.0490	0.0481	6.4133	0.6293
26	04:30:20	0.0490	0.0481	6.4133	0.6293
27	05:00:23	0.0491	0.0482	6.4267	0.6290
28	05:30:25	0.0492	0.0483	6.4400	0.6288
29	06:00:27	0.0492	0.0483	6.4400	0.6288
30	06:30:30	0.0493	0.0484	6.4533	0.6286
31	07:00:32	0.0493	0.0484	6.4533	0.6286
32	07:30:34	0.0494	0.0485	6.4667	0.6283
33	08:00:36	0.0494	0.0485	6.4667	0.6283
34	08:30:39	0.0494	0.0485	6.4667	0.6283
35	09:00:41	0.0495	0.0486	6.4800	0.6281
36	09:30:43	0.0495	0.0486	6.4800	0.6281

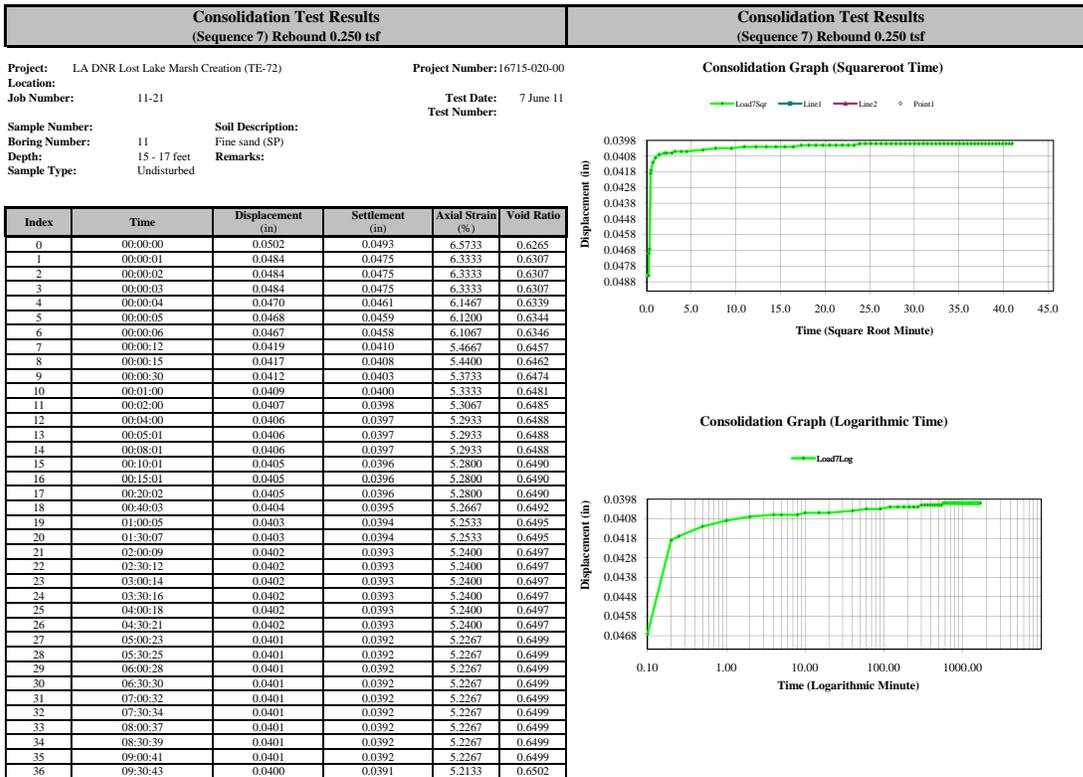
Consolidation Graph (Square-root Time)



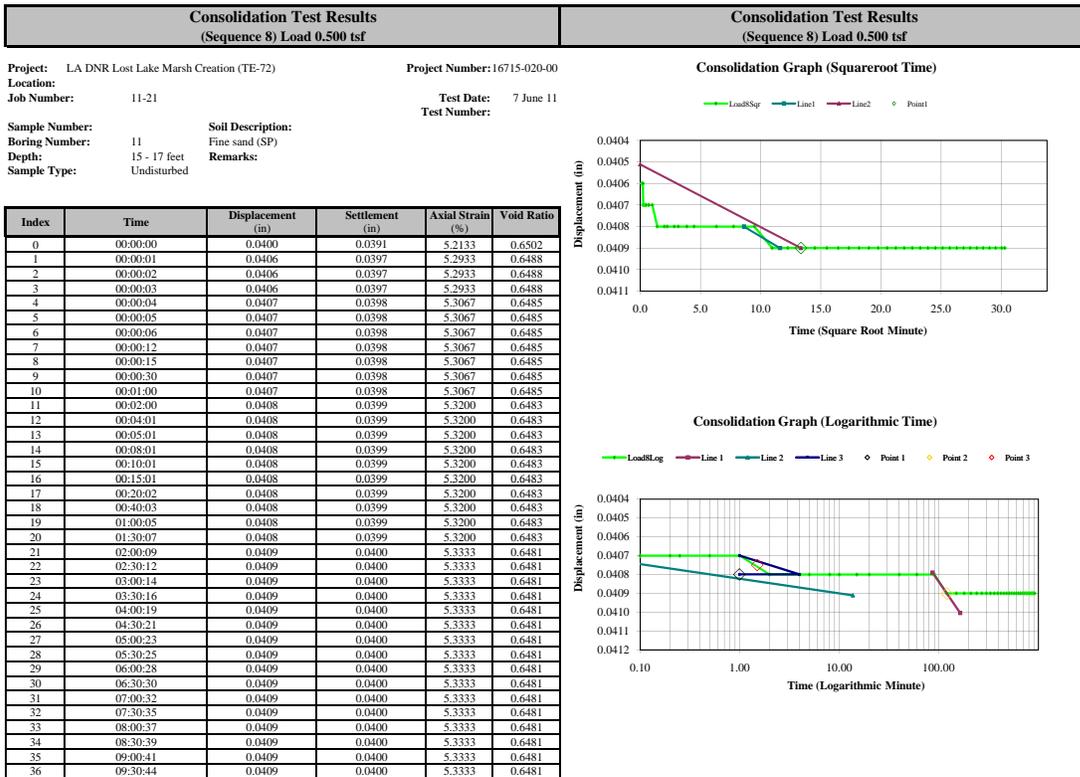
Consolidation Graph (Logarithmic Time)



37	10:00:46	0.0495	0.0486	6.4800	0.6281
38	10:30:48	0.0495	0.0486	6.4800	0.6281
39	11:00:50	0.0495	0.0486	6.4800	0.6281
40	11:30:52	0.0496	0.0487	6.4933	0.6279
41	12:00:55	0.0496	0.0487	6.4933	0.6279
42	12:30:57	0.0496	0.0487	6.4933	0.6279
43	13:00:59	0.0497	0.0488	6.5067	0.6276
44	13:31:01	0.0497	0.0488	6.5067	0.6276
45	14:01:04	0.0497	0.0488	6.5067	0.6276
46	14:31:06	0.0497	0.0488	6.5067	0.6276
47	15:01:08	0.0498	0.0489	6.5200	0.6274
48	15:31:11	0.0498	0.0489	6.5200	0.6274
49	16:01:13	0.0498	0.0489	6.5200	0.6274
50	16:31:15	0.0498	0.0489	6.5200	0.6274
51	17:01:17	0.0498	0.0489	6.5200	0.6274
52	17:31:20	0.0499	0.0490	6.5333	0.6272
53	18:01:22	0.0499	0.0490	6.5333	0.6272
54	18:31:24	0.0499	0.0490	6.5333	0.6272
55	19:01:26	0.0499	0.0490	6.5333	0.6272
56	19:31:29	0.0499	0.0490	6.5333	0.6272
57	20:01:31	0.0499	0.0490	6.5333	0.6272
58	20:31:33	0.0500	0.0491	6.5467	0.6269
59	21:01:36	0.0500	0.0491	6.5467	0.6269
60	21:31:38	0.0500	0.0491	6.5467	0.6269
61	22:01:40	0.0500	0.0491	6.5467	0.6269
62	22:31:43	0.0500	0.0491	6.5467	0.6269
63	23:01:45	0.0500	0.0491	6.5467	0.6269
64	23:31:47	0.0500	0.0491	6.5467	0.6269
65	24:01:49	0.0501	0.0492	6.5600	0.6267
66	24:31:52	0.0501	0.0492	6.5600	0.6267
67	25:01:54	0.0501	0.0492	6.5600	0.6267
68	25:31:56	0.0501	0.0492	6.5600	0.6267
69	26:01:58	0.0501	0.0492	6.5600	0.6267
70	26:32:01	0.0501	0.0492	6.5600	0.6267
71	27:02:03	0.0501	0.0492	6.5600	0.6267
72	27:32:05	0.0502	0.0493	6.5733	0.6265
73	28:02:08	0.0502	0.0493	6.5733	0.6265
74	28:30:29	0.0502	0.0493	6.5733	0.6265



37	10:00:46	0.0400	0.0391	5.2133	0.6502
38	10:30:48	0.0400	0.0391	5.2133	0.6502
39	11:00:50	0.0400	0.0391	5.2133	0.6502
40	11:30:53	0.0400	0.0391	5.2133	0.6502
41	12:00:55	0.0400	0.0391	5.2133	0.6502
42	12:30:57	0.0400	0.0391	5.2133	0.6502
43	13:00:59	0.0400	0.0391	5.2133	0.6502
44	13:31:02	0.0400	0.0391	5.2133	0.6502
45	14:01:04	0.0400	0.0391	5.2133	0.6502
46	14:31:06	0.0400	0.0391	5.2133	0.6502
47	15:01:08	0.0400	0.0391	5.2133	0.6502
48	15:31:11	0.0400	0.0391	5.2133	0.6502
49	16:01:13	0.0400	0.0391	5.2133	0.6502
50	16:31:15	0.0400	0.0391	5.2133	0.6502
51	17:01:18	0.0400	0.0391	5.2133	0.6502
52	17:31:20	0.0400	0.0391	5.2133	0.6502
53	18:01:22	0.0400	0.0391	5.2133	0.6502
54	18:31:24	0.0400	0.0391	5.2133	0.6502
55	19:01:27	0.0400	0.0391	5.2133	0.6502
56	19:31:29	0.0400	0.0391	5.2133	0.6502
57	20:01:31	0.0400	0.0391	5.2133	0.6502
58	20:31:34	0.0400	0.0391	5.2133	0.6502
59	21:01:36	0.0400	0.0391	5.2133	0.6502
60	21:31:38	0.0400	0.0391	5.2133	0.6502
61	22:01:40	0.0400	0.0391	5.2133	0.6502
62	22:31:43	0.0400	0.0391	5.2133	0.6502
63	23:01:45	0.0400	0.0391	5.2133	0.6502
64	23:31:47	0.0400	0.0391	5.2133	0.6502
65	24:01:49	0.0400	0.0391	5.2133	0.6502
66	24:31:52	0.0400	0.0391	5.2133	0.6502
67	25:01:54	0.0400	0.0391	5.2133	0.6502
68	25:31:56	0.0400	0.0391	5.2133	0.6502
69	26:01:59	0.0400	0.0391	5.2133	0.6502
70	26:32:01	0.0400	0.0391	5.2133	0.6502
71	27:02:03	0.0400	0.0391	5.2133	0.6502
72	27:32:05	0.0400	0.0391	5.2133	0.6502
73	27:56:12	0.0400	0.0391	5.2133	0.6502



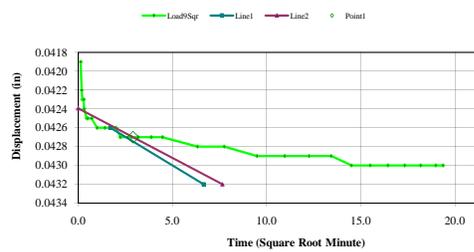
37	10:00:46	0.0409	0.0400	5.3333	0.6481
38	10:30:48	0.0409	0.0400	5.3333	0.6481
39	11:00:50	0.0409	0.0400	5.3333	0.6481
40	11:30:53	0.0409	0.0400	5.3333	0.6481
41	12:00:55	0.0409	0.0400	5.3333	0.6481
42	12:30:57	0.0409	0.0400	5.3333	0.6481
43	13:01:00	0.0409	0.0400	5.3333	0.6481
44	13:31:02	0.0409	0.0400	5.3333	0.6481
45	14:01:04	0.0409	0.0400	5.3333	0.6481
46	14:31:07	0.0409	0.0400	5.3333	0.6481
47	15:01:09	0.0409	0.0400	5.3333	0.6481
48	15:16:05	0.0409	0.0400	5.3333	0.6481

Consolidation Test Results (Sequence 9) Load 1,000 tsf	Consolidation Test Results (Sequence 9) Load 1,000 tsf
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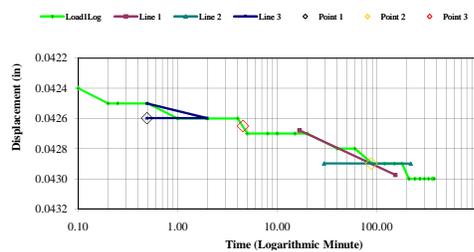
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 7 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 11 Fine sand (SP)
Depth: 15 - 17 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0409	0.0400	5.3333	0.6481
1	00:00:01	0.0419	0.0410	5.4667	0.6457
2	00:00:02	0.0422	0.0413	5.5067	0.6450
3	00:00:03	0.0423	0.0414	5.5200	0.6448
4	00:00:04	0.0423	0.0414	5.5200	0.6448
5	00:00:05	0.0423	0.0414	5.5200	0.6448
6	00:00:06	0.0424	0.0415	5.5333	0.6446
7	00:00:12	0.0425	0.0416	5.5467	0.6443
8	00:00:15	0.0425	0.0416	5.5467	0.6443
9	00:00:30	0.0425	0.0416	5.5467	0.6443
10	00:01:00	0.0426	0.0417	5.5600	0.6441
11	00:02:00	0.0426	0.0417	5.5600	0.6441
12	00:04:00	0.0426	0.0417	5.5600	0.6441
13	00:05:00	0.0427	0.0418	5.5733	0.6439
14	00:08:00	0.0427	0.0418	5.5733	0.6439
15	00:10:00	0.0427	0.0418	5.5733	0.6439
16	00:15:01	0.0427	0.0418	5.5733	0.6439
17	00:20:01	0.0427	0.0418	5.5733	0.6439
18	00:40:03	0.0428	0.0419	5.5867	0.6437
19	01:00:04	0.0428	0.0419	5.5867	0.6437
20	01:30:06	0.0429	0.0420	5.6000	0.6434
21	02:00:09	0.0429	0.0420	5.6000	0.6434
22	02:30:11	0.0429	0.0420	5.6000	0.6434
23	03:00:13	0.0429	0.0420	5.6000	0.6434
24	03:30:15	0.0430	0.0421	5.6133	0.6432
25	04:00:18	0.0430	0.0421	5.6133	0.6432
26	04:30:20	0.0430	0.0421	5.6133	0.6432
27	05:00:22	0.0430	0.0421	5.6133	0.6432
28	05:30:25	0.0430	0.0421	5.6133	0.6432
29	06:00:27	0.0430	0.0421	5.6133	0.6432
30	06:15:12	0.0430	0.0421	5.6133	0.6432

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



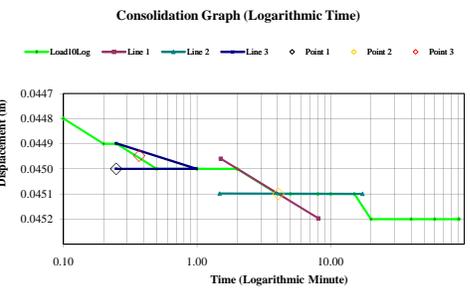
Consolidation Test Results (Sequence 10) Load 2,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 7 June 11
 Sample Number: 11 Soil Description: Fine sand (SP) Test Number:
 Boring Number: 15 - 17 feet Remarks:
 Depth: Undisturbed
 Sample Type:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0430	0.0421	5.6133	0.6432
1	00:00:01	0.0445	0.0436	5.8133	0.6397
2	00:00:02	0.0447	0.0438	5.8400	0.6392
3	00:00:03	0.0447	0.0438	5.8400	0.6392
4	00:00:04	0.0448	0.0439	5.8533	0.6390
5	00:00:05	0.0448	0.0439	5.8533	0.6390
6	00:00:06	0.0448	0.0439	5.8533	0.6390
7	00:00:12	0.0449	0.0440	5.8667	0.6388
8	00:00:15	0.0449	0.0440	5.8667	0.6388
9	00:00:30	0.0450	0.0441	5.8800	0.6385
10	00:01:00	0.0450	0.0441	5.8800	0.6385
11	00:02:00	0.0450	0.0441	5.8800	0.6385
12	00:04:00	0.0451	0.0442	5.8933	0.6383
13	00:05:00	0.0451	0.0442	5.8933	0.6383
14	00:08:01	0.0451	0.0442	5.8933	0.6383
15	00:10:01	0.0451	0.0442	5.8933	0.6383
16	00:15:01	0.0451	0.0442	5.8933	0.6383
17	00:20:32	0.0452	0.0443	5.9067	0.6381
18	00:40:03	0.0452	0.0443	5.9067	0.6381
19	01:00:05	0.0452	0.0443	5.9067	0.6381
20	01:30:07	0.0452	0.0443	5.9067	0.6381
21	01:31:16	0.0452	0.0443	5.9067	0.6381

Tested By: Checked By:

Consolidation Test Results (Sequence 10) Load 2,000 tsf

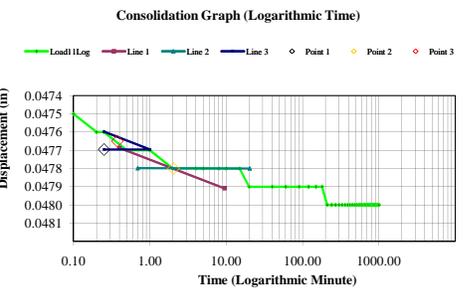
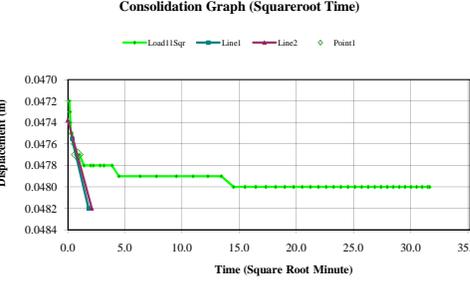


Consolidation Test Results (Sequence 11) Load 4,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 7 June 11
 Sample Number: 11 Soil Description: Fine sand (SP) Test Number:
 Boring Number: 15 - 17 feet Remarks:
 Depth: Undisturbed
 Sample Type:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0452	0.0443	5.9067	0.6381
1	00:00:01	0.0472	0.0463	6.1733	0.6334
2	00:00:02	0.0473	0.0464	6.1867	0.6332
3	00:00:03	0.0474	0.0465	6.2000	0.6330
4	00:00:04	0.0475	0.0466	6.2133	0.6327
5	00:00:05	0.0475	0.0466	6.2133	0.6327
6	00:00:06	0.0475	0.0466	6.2133	0.6327
7	00:00:12	0.0476	0.0467	6.2267	0.6325
8	00:00:15	0.0476	0.0467	6.2267	0.6325
9	00:00:30	0.0477	0.0468	6.2400	0.6323
10	00:01:00	0.0477	0.0468	6.2400	0.6323
11	00:02:00	0.0478	0.0469	6.2533	0.6320
12	00:04:00	0.0478	0.0469	6.2533	0.6320
13	00:05:00	0.0478	0.0469	6.2533	0.6320
14	00:08:00	0.0478	0.0469	6.2533	0.6320
15	00:10:00	0.0478	0.0469	6.2533	0.6320
16	00:15:01	0.0478	0.0469	6.2533	0.6320
17	00:20:01	0.0479	0.0470	6.2667	0.6318
18	00:40:03	0.0479	0.0470	6.2667	0.6318
19	01:00:04	0.0479	0.0470	6.2667	0.6318
20	01:30:06	0.0479	0.0470	6.2667	0.6318
21	02:00:09	0.0479	0.0470	6.2667	0.6318
22	02:30:11	0.0479	0.0470	6.2667	0.6318
23	03:00:13	0.0479	0.0470	6.2667	0.6318
24	03:30:15	0.0480	0.0471	6.2800	0.6316
25	04:00:18	0.0480	0.0471	6.2800	0.6316
26	04:30:20	0.0480	0.0471	6.2800	0.6316
27	05:00:22	0.0480	0.0471	6.2800	0.6316
28	05:30:24	0.0480	0.0471	6.2800	0.6316
29	06:00:27	0.0480	0.0471	6.2800	0.6316
30	06:30:29	0.0480	0.0471	6.2800	0.6316
31	07:00:31	0.0480	0.0471	6.2800	0.6316
32	07:30:34	0.0480	0.0471	6.2800	0.6316
33	08:00:36	0.0480	0.0471	6.2800	0.6316
34	08:30:38	0.0480	0.0471	6.2800	0.6316
35	09:00:41	0.0480	0.0471	6.2800	0.6316
36	09:30:43	0.0480	0.0471	6.2800	0.6316

Consolidation Test Results (Sequence 11) Load 4,000 tsf



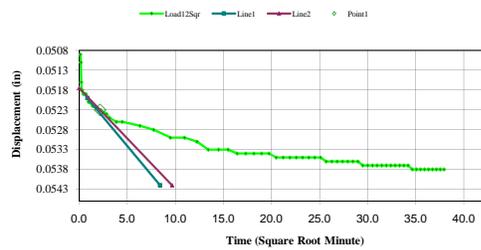
37	10:00:45	0.0480	0.0471	6.2800	0.6316
38	10:30:47	0.0480	0.0471	6.2800	0.6316
39	11:00:50	0.0480	0.0471	6.2800	0.6316
40	11:30:52	0.0480	0.0471	6.2800	0.6316
41	12:00:54	0.0480	0.0471	6.2800	0.6316
42	12:30:57	0.0480	0.0471	6.2800	0.6316
43	13:00:59	0.0480	0.0471	6.2800	0.6316
44	13:31:01	0.0480	0.0471	6.2800	0.6316
45	14:01:04	0.0480	0.0471	6.2800	0.6316
46	14:31:06	0.0480	0.0471	6.2800	0.6316
47	15:01:08	0.0480	0.0471	6.2800	0.6316
48	15:31:10	0.0480	0.0471	6.2800	0.6316
49	16:01:13	0.0480	0.0471	6.2800	0.6316
50	16:31:15	0.0480	0.0471	6.2800	0.6316
51	16:41:21	0.0480	0.0471	6.2800	0.6316

Consolidation Test Results (Sequence 12) Load 8.000 tsf	Consolidation Test Results (Sequence 12) Load 8.000 tsf
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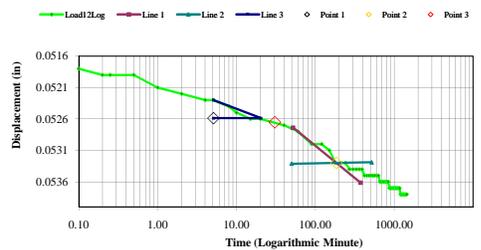
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 7 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 11 Fine sand (SP)
Depth: 15 - 17 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0480	0.0471	6.2800	0.6316
1	00:00:01	0.0509	0.0500	6.6667	0.6249
2	00:00:02	0.0511	0.0502	6.6933	0.6244
3	00:00:03	0.0516	0.0507	6.7600	0.6232
4	00:00:04	0.0518	0.0509	6.7867	0.6228
5	00:00:05	0.0518	0.0509	6.7867	0.6228
6	00:00:06	0.0518	0.0509	6.7867	0.6228
7	00:00:12	0.0519	0.0510	6.8000	0.6225
8	00:00:15	0.0519	0.0510	6.8000	0.6225
9	00:00:30	0.0519	0.0510	6.8000	0.6225
10	00:01:00	0.0521	0.0512	6.8267	0.6221
11	00:02:01	0.0522	0.0513	6.8400	0.6218
12	00:04:01	0.0523	0.0514	6.8533	0.6216
13	00:05:01	0.0523	0.0514	6.8533	0.6216
14	00:08:01	0.0524	0.0515	6.8667	0.6214
15	00:10:01	0.0525	0.0516	6.8800	0.6211
16	00:15:02	0.0526	0.0517	6.8933	0.6209
17	00:20:02	0.0526	0.0517	6.8933	0.6209
18	00:40:03	0.0527	0.0518	6.9067	0.6207
19	01:00:05	0.0528	0.0519	6.9200	0.6204
20	01:30:07	0.0530	0.0521	6.9467	0.6200
21	02:00:09	0.0530	0.0521	6.9467	0.6200
22	02:30:12	0.0531	0.0522	6.9600	0.6197
23	03:00:13	0.0533	0.0524	6.9867	0.6193
24	03:30:12	0.0533	0.0524	6.9867	0.6193
25	04:00:12	0.0533	0.0524	6.9867	0.6193
26	04:30:11	0.0534	0.0525	7.0000	0.6190
27	05:00:11	0.0534	0.0525	7.0000	0.6190
28	05:30:11	0.0534	0.0525	7.0000	0.6190
29	06:00:10	0.0534	0.0525	7.0000	0.6190
30	06:30:10	0.0534	0.0525	7.0000	0.6190
31	07:00:10	0.0535	0.0526	7.0133	0.6188
32	07:30:09	0.0535	0.0526	7.0133	0.6188
33	08:00:09	0.0535	0.0526	7.0133	0.6188
34	08:30:08	0.0535	0.0526	7.0133	0.6188
35	09:00:08	0.0535	0.0526	7.0133	0.6188
36	09:30:08	0.0535	0.0526	7.0133	0.6188

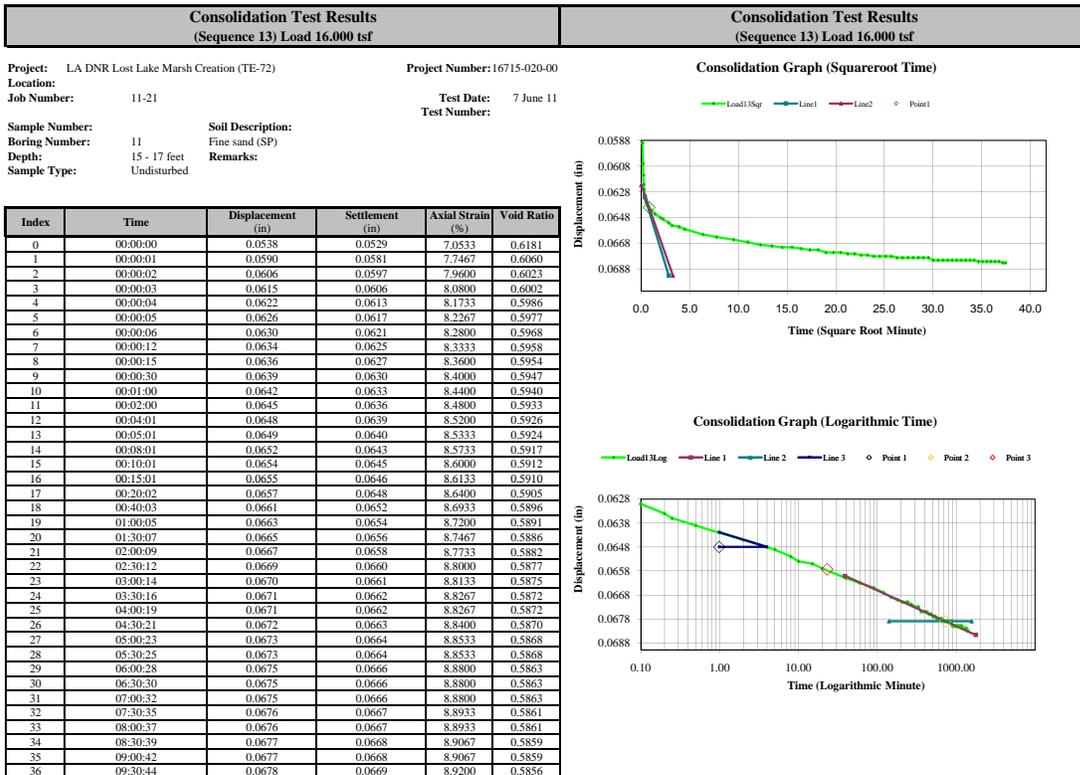
Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:08	0.0535	0.0526	7.0133	0.6188
38	10:30:07	0.0535	0.0526	7.0133	0.6188
39	11:00:07	0.0536	0.0527	7.0267	0.6186
40	11:30:07	0.0536	0.0527	7.0267	0.6186
41	12:00:06	0.0536	0.0527	7.0267	0.6186
42	12:30:06	0.0536	0.0527	7.0267	0.6186
43	13:00:05	0.0536	0.0527	7.0267	0.6186
44	13:30:05	0.0536	0.0527	7.0267	0.6186
45	14:00:05	0.0536	0.0527	7.0267	0.6186
46	14:30:04	0.0537	0.0528	7.0400	0.6184
47	15:00:04	0.0537	0.0528	7.0400	0.6184
48	15:30:04	0.0537	0.0528	7.0400	0.6184
49	16:00:03	0.0537	0.0528	7.0400	0.6184
50	16:30:03	0.0537	0.0528	7.0400	0.6184
51	17:00:03	0.0537	0.0528	7.0400	0.6184
52	17:30:02	0.0537	0.0528	7.0400	0.6184
53	18:00:02	0.0537	0.0528	7.0400	0.6184
54	18:30:02	0.0537	0.0528	7.0400	0.6184
55	19:00:01	0.0537	0.0528	7.0400	0.6184
56	19:30:01	0.0537	0.0528	7.0400	0.6184
57	20:00:00	0.0538	0.0529	7.0533	0.6181
58	20:30:00	0.0538	0.0529	7.0533	0.6181
59	21:00:00	0.0538	0.0529	7.0533	0.6181
60	21:29:59	0.0538	0.0529	7.0533	0.6181
61	21:59:59	0.0538	0.0529	7.0533	0.6181
62	22:29:59	0.0538	0.0529	7.0533	0.6181
63	22:59:58	0.0538	0.0529	7.0533	0.6181
64	23:29:58	0.0538	0.0529	7.0533	0.6181
65	23:59:57	0.0538	0.0529	7.0533	0.6181



37	10:00:46	0.0678	0.0669	8.9200	0.5856
38	10:30:48	0.0678	0.0669	8.9200	0.5856
39	11:00:51	0.0678	0.0669	8.9200	0.5856
40	11:30:53	0.0679	0.0670	8.9333	0.5854
41	12:00:55	0.0679	0.0670	8.9333	0.5854
42	12:30:58	0.0679	0.0670	8.9333	0.5854
43	13:01:00	0.0679	0.0670	8.9333	0.5854
44	13:31:02	0.0679	0.0670	8.9333	0.5854
45	14:01:04	0.0679	0.0670	8.9333	0.5854
46	14:31:06	0.0679	0.0670	8.9333	0.5854
47	15:01:09	0.0681	0.0672	8.9600	0.5849
48	15:31:11	0.0681	0.0672	8.9600	0.5849
49	16:01:13	0.0681	0.0672	8.9600	0.5849
50	16:31:15	0.0681	0.0672	8.9600	0.5849
51	17:01:18	0.0681	0.0672	8.9600	0.5849
52	17:31:20	0.0681	0.0672	8.9600	0.5849
53	18:01:22	0.0681	0.0672	8.9600	0.5849
54	18:31:25	0.0681	0.0672	8.9600	0.5849
55	19:01:27	0.0681	0.0672	8.9600	0.5849
56	19:31:29	0.0681	0.0672	8.9600	0.5849
57	20:01:32	0.0682	0.0673	8.9733	0.5847
58	20:31:34	0.0682	0.0673	8.9733	0.5847
59	21:01:36	0.0682	0.0673	8.9733	0.5847
60	21:31:38	0.0682	0.0673	8.9733	0.5847
61	22:01:41	0.0682	0.0673	8.9733	0.5847
62	22:31:43	0.0682	0.0673	8.9733	0.5847
63	23:01:45	0.0683	0.0674	8.9867	0.5845
64	23:21:28	0.0683	0.0674	8.9867	0.5845

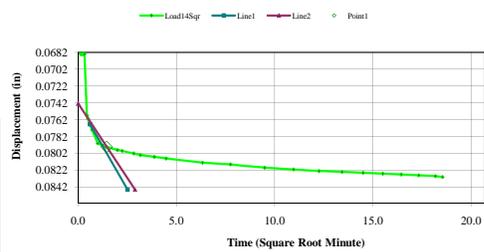
Consolidation Test Results (Sequence 14) Load 28.000 tsf	Consolidation Test Results (Sequence 14) Load 28.000 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 7 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 11 Fine sand (SP)
Depth: 15 - 17 feet **Remarks:**
Sample Type: Undisturbed

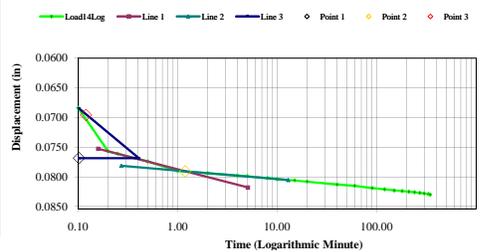
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0683	0.0674	8.9867	0.5845
1	00:00:01	0.0684	0.0675	9.0000	0.5842
2	00:00:02	0.0684	0.0675	9.0000	0.5842
3	00:00:03	0.0684	0.0675	9.0000	0.5842
4	00:00:04	0.0684	0.0675	9.0000	0.5842
5	00:00:05	0.0684	0.0675	9.0000	0.5842
6	00:00:06	0.0684	0.0675	9.0000	0.5842
7	00:00:12	0.0757	0.0748	9.9733	0.5673
8	00:00:15	0.0761	0.0752	10.0267	0.5664
9	00:00:30	0.0774	0.0765	10.2000	0.5633
10	00:01:00	0.0790	0.0781	10.4133	0.5596
11	00:02:00	0.0794	0.0785	10.4667	0.5587
12	00:04:00	0.0798	0.0789	10.5200	0.5578
13	00:05:00	0.0799	0.0790	10.5333	0.5575
14	00:08:00	0.0802	0.0793	10.5733	0.5568
15	00:10:00	0.0804	0.0795	10.6000	0.5564
16	00:15:01	0.0806	0.0797	10.6267	0.5559
17	00:20:01	0.0808	0.0799	10.6533	0.5554
18	00:40:03	0.0813	0.0804	10.7200	0.5543
19	01:00:04	0.0815	0.0806	10.7467	0.5538
20	01:30:06	0.0819	0.0810	10.8000	0.5529
21	02:00:09	0.0821	0.0812	10.8267	0.5524
22	02:30:11	0.0823	0.0814	10.8533	0.5520
23	03:00:13	0.0824	0.0815	10.8667	0.5517
24	03:30:16	0.0825	0.0816	10.8800	0.5515
25	04:00:18	0.0826	0.0817	10.8933	0.5513
26	04:30:20	0.0827	0.0818	10.9067	0.5510
27	05:00:22	0.0828	0.0819	10.9200	0.5508
28	05:30:25	0.0829	0.0820	10.9333	0.5506
29	05:43:39	0.0830	0.0821	10.9467	0.5503

Tested By: Checked By:

Consolidation Graph (Square-root Time)

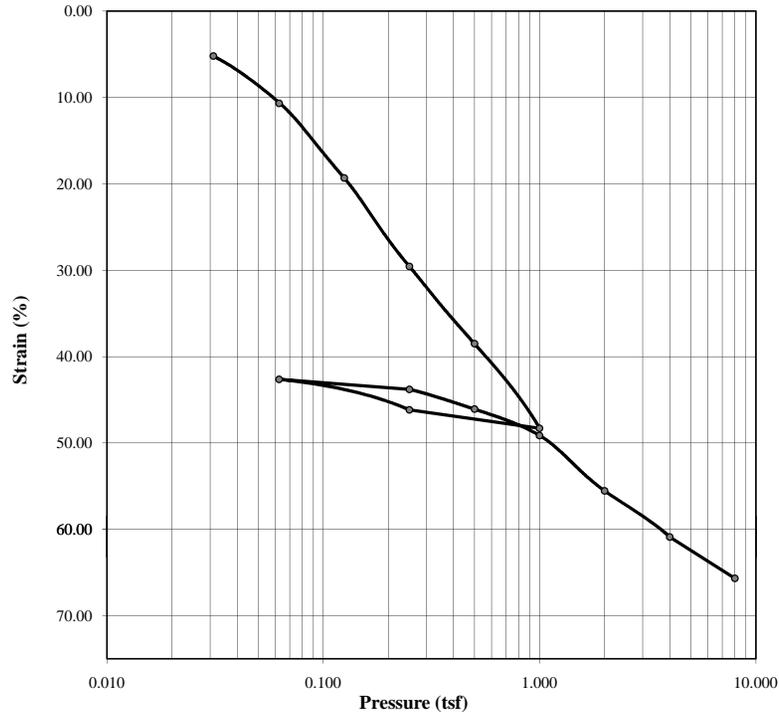


Consolidation Graph (Logarithmic Time)





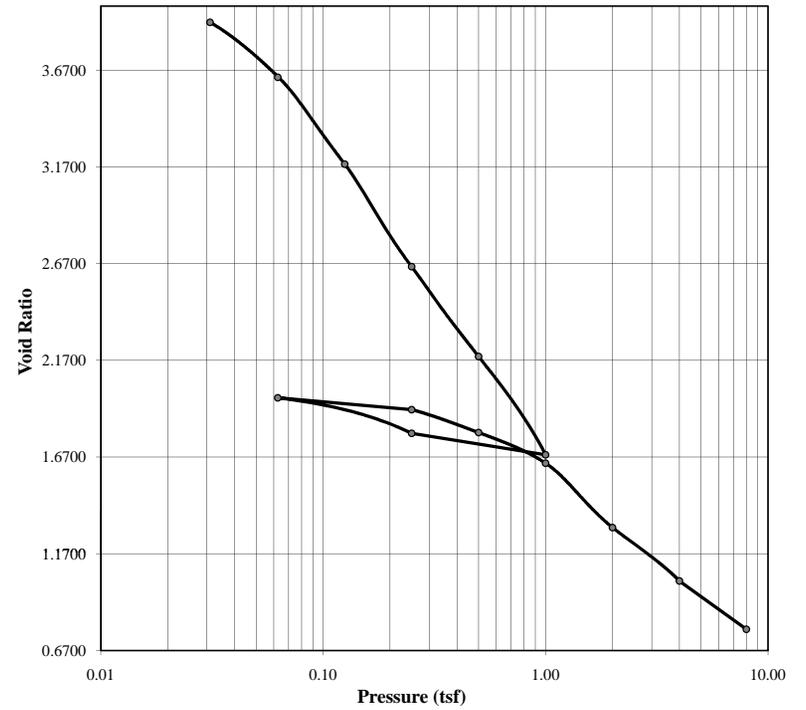
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	241	Test Date:	8 June 11
Moisture (%):	219.89	52.91	Plastic Limits:	62		
Dry Density (pcf):	24.06	77.16	Plasticity Index (%):	179		
Saturation (%):	104.94	170.90				
Void Ratio:	4.1837	0.7791	Specific Gravity:	2.002	Measured	
Sample Description:	Peat (PT)					
Sample Number:	16715-020-00	Depth:	7 - 9 feet		Remarks:	
Sample Number:		Boring Number:	12			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

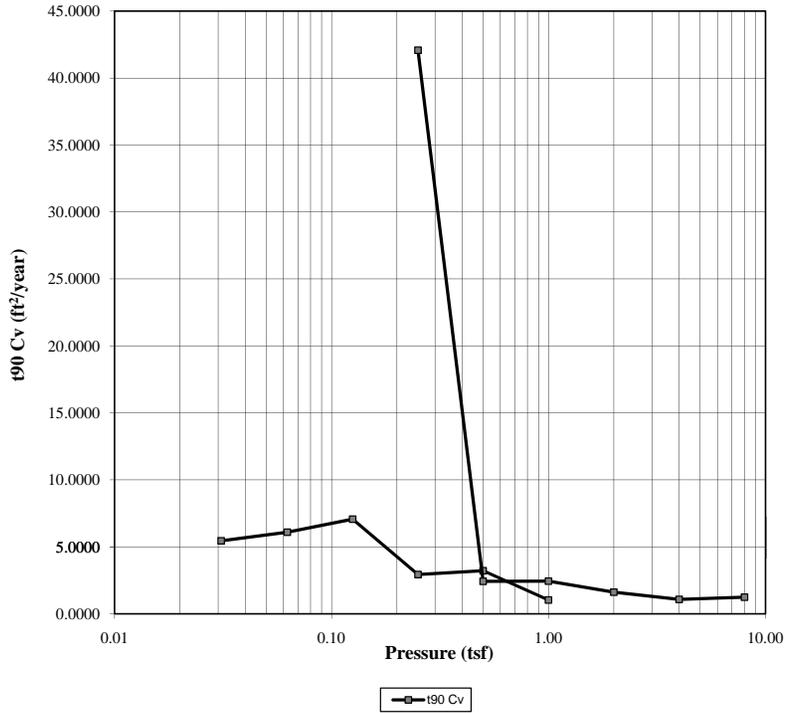


**Consolidation Test
Test Results**



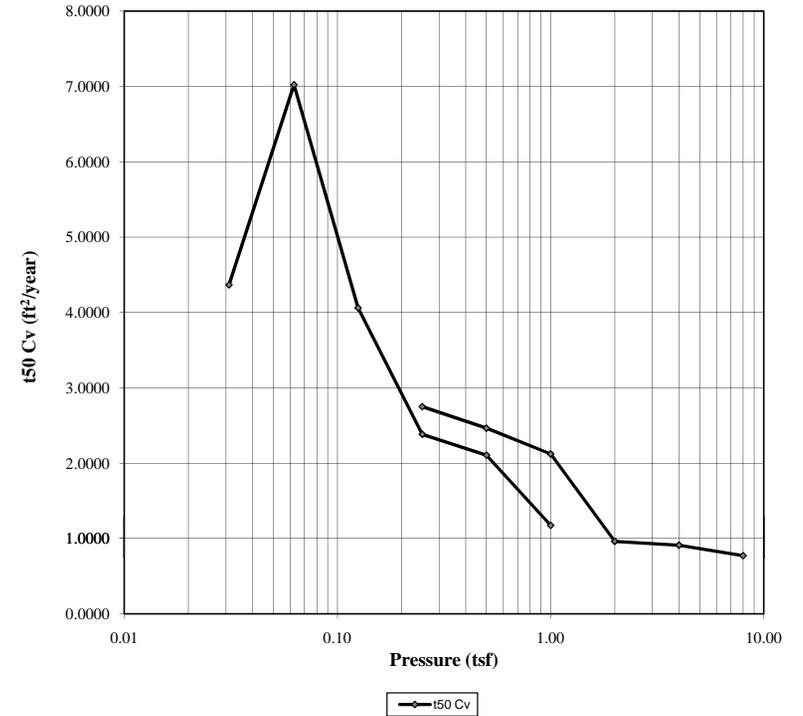
	Before	After	Liquid Limits:	241	Test Date:	8 June 11
Moisture (%):	219.89	52.91	Plastic Limits:	62		
Dry Density (pcf):	24.06	77.16	Plasticity Index (%):	179		
Saturation (%):	104.94	170.90				
Void Ratio:	4.1837	0.7791	Specific Gravity:	2.002	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00	Depth:	7 - 9 feet		Remarks:	
Sample Number:		Boring Number:	12			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	241	Test Date:	8 June 11
Moisture (%):	219.89	52.91	Plastic Limits:	62		
Dry Density (pcf):	24.06	77.16	Plasticity Index (%):	179		
Saturation (%):	104.94	170.90				
Void Ratio:	4.1837	0.7791	Specific Gravity:	2.002	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00	Depth:	7 - 9 feet			
Sample Number:		Boring Number:	12			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						
Remarks:						

**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	241	Test Date:	8 June 11
Moisture (%):	219.89	52.91	Plastic Limits:	62		
Dry Density (pcf):	24.06	77.16	Plasticity Index (%):	179		
Saturation (%):	104.94	170.90				
Void Ratio:	4.1837	0.7791	Specific Gravity:	2.002	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00	Depth:	7 - 9 feet			
Sample Number:		Boring Number:	12			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						
Remarks:						

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)
 Location: 11-21
 Job Number: 11-21

Project Number: 16715-020-00

Sample Number: 12
 Boring Number: 7 - 9 feet
 Depth: Undisturbed
 Sample Type:

Sample Description: Peat (PT)
 Remarks:

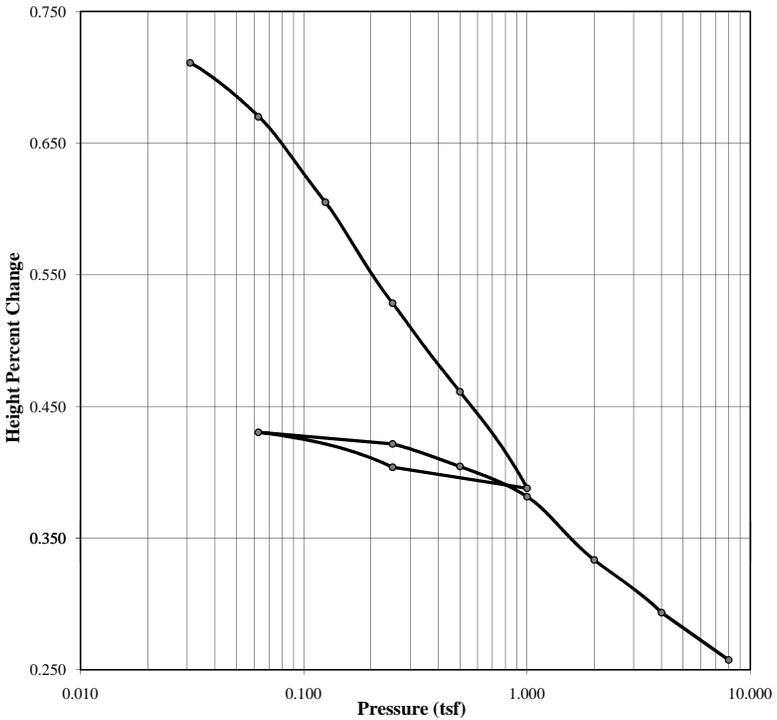
Test Number: 8 June 11
 Test Date:

Index	Load Sequence (tsf)	Cumulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t150 Fitting Time (min)	t90 Cv (ft ² /year)	t150 Cv (ft ² /year)
0	0.000	0.0000	0.2500	0.6054	0.00	4.1859	0.000	0.000	0.000	0.000
1	0.031	0.0390	0.7110	0.5664	5.20	3.9163	71.747	20.820	5.452	4.365
2	0.063	0.0800	0.6700	0.5254	10.67	3.6328	57.029	57.029	6.091	7.023
3	0.125	0.1449	0.6051	0.4605	19.32	3.1840	40.058	16.215	7.073	4.059
4	0.250	0.2216	0.5284	0.3838	29.55	2.6537	73.494	21.070	2.940	2.382
5	0.500	0.2888	0.4612	0.3166	38.51	2.1890	51.201	18.159	3.215	2.106
6	1.000	0.3622	0.3878	0.2432	48.29	1.6815	113.205	23.046	1.028	1.173
7	0.250	0.3462	0.4038	0.2592	46.16	1.7921	0.000	0.000	0.000	0.000
8	0.063	0.3197	0.4303	0.2857	42.63	1.9753	0.000	0.000	0.000	0.000
9	0.250	0.3285	0.4215	0.2769	43.80	1.9145	3.267	11.609	42.075	2.751
10	0.500	0.3456	0.4044	0.2598	46.08	1.7963	52.178	11.927	2.425	2.465
11	1.000	0.3685	0.3815	0.2369	49.13	1.6379	46.158	12.329	2.440	2.122
12	2.000	0.4166	0.3334	0.1888	55.55	1.3053	53.381	20.775	1.611	0.962
13	4.000	0.4566	0.2934	0.1488	60.88	1.0287	62.036	16.980	1.074	0.911
14	8.000	0.4926	0.2574	0.1128	65.68	0.7798	41.175	15.437	1.245	0.772

Predicted value indicated with *



Consolidation Test Test Results



	Before	After	Liquid Limits:	241	Test Date:	8 June 11
Moisture (%):	219.89	52.91	Plastic Limits:	62		
Dry Density (pcf):	24.06	77.16	Plasticity Index (%):	179		
Saturation (%):	104.94	170.90				
Void Ratio:	4.1837	0.7791	Specific Gravity:	2.002	Measured	
Soil Description:	Peat (PT)					
Sample Number:	16715-020-00	Depth:	7 - 9 feet			
Sample Number:	Boring Number: 12		Remarks:			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



**Consolidation Test
Consolidation Specimen Information**

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Job Number:** 11-21 **Test Date:** 8 June 11
Sample Number: **Sample Description:**
Boring Number: 12 Peat (PT)
Depth: 7 - 9 feet **Remarks:**
Sample Type: Undisturbed
Test Number: **Initial Void Ratio:** 4.1837 **Initial Height (in):** 0.7500
Liquid Limit: 241.0000 **Plasticity Index (%):** 179.0000 **Initial Diameter (in):** 2.5000
Plastic Limit: 62.0000 **Weight of Ring (g):** 107.2000
Specific Gravity: 2.0020 Measured

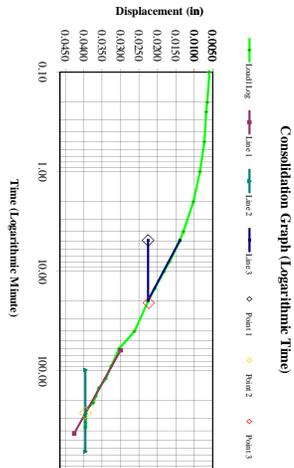
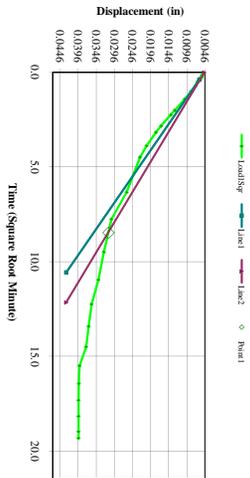
Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	91.58	56.40
Dry Soil + Container (g)	44.15	44.69
Weight of Container (g)	22.58	22.56
Moisture Content (%)	219.89	52.91
Void Ratio	4.1837	0.7791
Saturation (%)	104.94	170.90
Dry Density (pcf)	24.06	77.16

**Consolidation Test Results
(Sequence 1) Load 0.031 tsf**

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Job Number:** 11-21 **Test Date:** 8 June 11
Sample Number: **Sample Description:**
Boring Number: 12 Peat (PT)
Depth: 7 - 9 feet **Remarks:**
Sample Type: Undisturbed

**Consolidation Test Results
(Sequence 1) Load 0.031 tsf**

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0005	0.0000	0.0000	4.1837
1	00:00:01	0.0054	0.0049	0.6533	4.1999
2	00:00:02	0.0054	0.0049	0.6533	4.1999
3	00:00:03	0.0055	0.0050	0.6667	4.1982
4	00:00:04	0.0056	0.0051	0.6800	4.1885
5	00:00:05	0.0058	0.0053	0.7052	4.1471
6	00:00:06	0.0060	0.0055	0.7304	4.1259
7	00:00:07	0.0062	0.0057	0.7556	4.1489
8	00:00:08	0.0062	0.0057	0.7556	4.1274
9	00:00:09	0.0064	0.0059	0.7808	4.1284
10	00:01:00	0.0084	0.0079	1.0333	4.1291
11	00:02:00	0.0102	0.0097	1.3433	4.1167
12	00:04:00	0.0129	0.0124	1.6533	4.0980
13	00:05:00	0.0140	0.0135	1.8000	4.0904
14	00:08:00	0.0167	0.0162	2.1600	4.0718
15	00:10:00	0.0181	0.0176	2.3467	4.0621
16	00:15:01	0.0207	0.0202	2.6933	4.0441
17	00:20:01	0.0225	0.0220	2.9333	4.0317
18	00:25:02	0.0242	0.0237	3.0867	3.9771
19	00:30:03	0.0256	0.0251	3.2600	3.9271
20	01:30:06	0.0325	0.0320	4.2667	3.8626
21	02:00:09	0.0340	0.0335	4.4667	3.8252
22	02:30:11	0.0359	0.0354	4.7200	3.8291
23	03:00:13	0.0367	0.0362	4.8567	3.8335
24	03:30:16	0.0374	0.0369	4.9200	3.8287
25	04:00:18	0.0392	0.0387	5.1000	3.8162
26	04:30:20	0.0394	0.0389	5.1667	3.8149
27	05:00:22	0.0395	0.0390	5.2000	3.8142
28	05:30:23	0.0395	0.0390	5.2000	3.8142
29	06:00:27	0.0395	0.0390	5.2000	3.8142
30	06:15:41	0.0395	0.0390	5.2000	3.8142

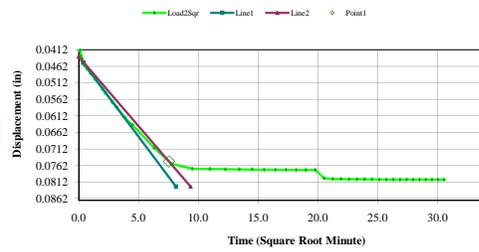


Consolidation Test Results (Sequence 2) Load 0.063 tsf	Consolidation Test Results (Sequence 2) Load 0.063 tsf
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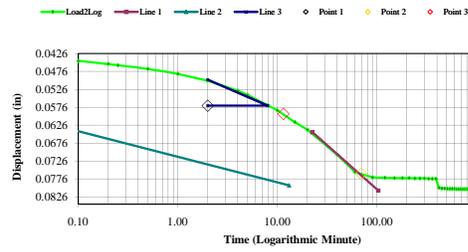
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 8 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 12 Peat (PT)
Depth: 7 - 9 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0395	0.0390	5.2000	3.9142
1	00:00:01	0.0413	0.0408	5.4400	3.9017
2	00:00:02	0.0430	0.0425	5.6667	3.8900
3	00:00:03	0.0437	0.0432	5.7600	3.8851
4	00:00:04	0.0438	0.0433	5.7733	3.8845
5	00:00:05	0.0444	0.0439	5.8533	3.8803
6	00:00:06	0.0447	0.0442	5.8933	3.8782
7	00:00:12	0.0455	0.0450	6.0000	3.8727
8	00:00:15	0.0459	0.0454	6.0533	3.8699
9	00:00:30	0.0469	0.0464	6.1867	3.8630
10	00:01:00	0.0483	0.0478	6.3733	3.8533
11	00:02:00	0.0502	0.0497	6.6267	3.8402
12	00:04:00	0.0530	0.0525	7.0000	3.8209
13	00:05:00	0.0542	0.0537	7.1600	3.8126
14	00:08:00	0.0571	0.0566	7.5467	3.7925
15	00:10:00	0.0585	0.0580	7.7333	3.7828
16	00:15:01	0.0618	0.0613	8.1733	3.7660
17	00:20:01	0.0639	0.0634	8.4533	3.7455
18	00:40:03	0.0709	0.0704	9.3867	3.6971
19	01:00:04	0.0757	0.0752	10.0267	3.6640
20	01:30:06	0.0772	0.0767	10.2267	3.6536
21	02:00:09	0.0773	0.0768	10.2400	3.6529
22	02:30:11	0.0774	0.0769	10.2533	3.6522
23	03:00:13	0.0774	0.0769	10.2533	3.6522
24	03:30:15	0.0774	0.0769	10.2533	3.6522
25	04:00:18	0.0775	0.0770	10.2667	3.6515
26	04:30:20	0.0775	0.0770	10.2667	3.6515
27	05:00:22	0.0775	0.0770	10.2667	3.6515
28	05:30:25	0.0776	0.0771	10.2800	3.6508
29	06:00:27	0.0776	0.0771	10.2800	3.6508
30	06:30:29	0.0776	0.0771	10.2800	3.6508
31	07:00:31	0.0801	0.0796	10.6133	3.6336
32	07:30:34	0.0803	0.0798	10.6400	3.6322
33	08:00:36	0.0803	0.0798	10.6400	3.6322
34	08:30:38	0.0804	0.0799	10.6533	3.6315
35	09:00:41	0.0804	0.0799	10.6533	3.6315
36	09:30:43	0.0804	0.0799	10.6533	3.6315

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



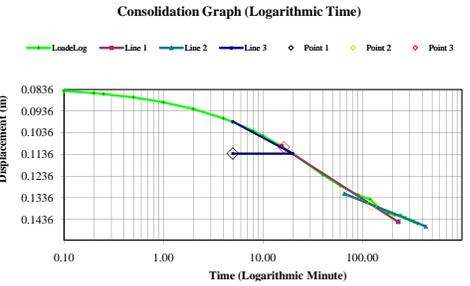
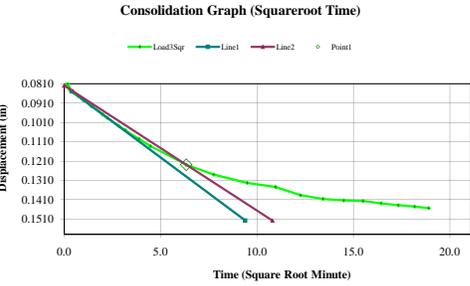
37	10:00:45	0.0804	0.0799	10.6533	3.6315
38	10:30:48	0.0805	0.0800	10.6667	3.6308
39	11:00:50	0.0805	0.0800	10.6667	3.6308
40	11:30:52	0.0805	0.0800	10.6667	3.6308
41	12:00:54	0.0805	0.0800	10.6667	3.6308
42	12:30:57	0.0805	0.0800	10.6667	3.6308
43	13:00:59	0.0805	0.0800	10.6667	3.6308
44	13:31:01	0.0805	0.0800	10.6667	3.6308
45	14:01:04	0.0805	0.0800	10.6667	3.6308
46	14:31:06	0.0805	0.0800	10.6667	3.6308
47	15:01:08	0.0805	0.0800	10.6667	3.6308
48	15:31:10	0.0805	0.0800	10.6667	3.6308

Consolidation Test Results (Sequence 3) Load 0.125 tsf	Consolidation Test Results (Sequence 3) Load 0.125 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 8 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
 Boring Number: 12 Peat (PT)
 Depth: 7 - 9 feet **Remarks:**
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0805	0.0800	10.6667	3.6308
1	00:00:01	0.0813	0.0808	10.7733	3.6253
2	00:00:02	0.0812	0.0807	10.7600	3.6260
3	00:00:03	0.0826	0.0821	10.9467	3.6163
4	00:00:04	0.0831	0.0826	11.0133	3.6128
5	00:00:05	0.0839	0.0834	11.1200	3.6073
6	00:00:06	0.0843	0.0838	11.1733	3.6045
7	00:00:12	0.0853	0.0848	11.3067	3.5976
8	00:00:15	0.0857	0.0852	11.3600	3.5949
9	00:00:30	0.0872	0.0867	11.5600	3.5845
10	00:01:00	0.0895	0.0890	11.8667	3.5686
11	00:02:00	0.0926	0.0921	12.2800	3.5472
12	00:04:00	0.0969	0.0964	12.8533	3.5174
13	00:05:00	0.0986	0.0981	13.0800	3.5057
14	00:08:00	0.1028	0.1023	13.6400	3.4767
15	00:10:01	0.1050	0.1045	13.9333	3.4615
16	00:15:01	0.1095	0.1090	14.5333	3.4304
17	00:20:01	0.1133	0.1128	15.0400	3.4041
18	00:40:03	0.1229	0.1224	16.3200	3.3377
19	01:00:04	0.1280	0.1275	17.0000	3.3025
20	01:30:07	0.1323	0.1318	17.5733	3.2728
21	02:00:09	0.1344	0.1339	17.8533	3.2583
22	02:30:11	0.1387	0.1382	18.4267	3.2285
23	03:00:13	0.1406	0.1401	18.6800	3.2154
24	03:30:16	0.1414	0.1409	18.7867	3.2099
25	04:00:18	0.1417	0.1412	18.8267	3.2078
26	04:30:20	0.1429	0.1424	18.9867	3.1995
27	05:00:23	0.1439	0.1434	19.1200	3.1926
28	05:30:24	0.1446	0.1441	19.2133	3.1878
29	05:57:29	0.1454	0.1449	19.3200	3.1822

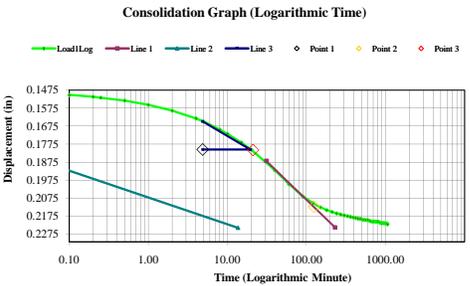
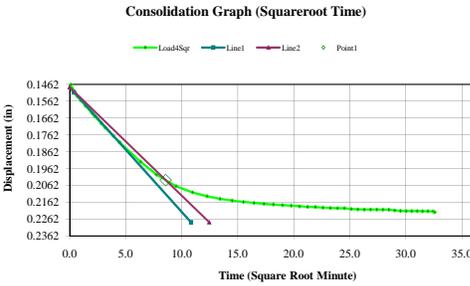
Tested By: _____ Checked By: _____



Consolidation Test Results (Sequence 4) Load 0.250 tsf	Consolidation Test Results (Sequence 4) Load 0.250 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 8 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
 Boring Number: 12 Peat (PT)
 Depth: 7 - 9 feet **Remarks:**
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1454	0.1449	19.3200	3.1822
1	00:00:01	0.1463	0.1458	19.4400	3.1760
2	00:00:02	0.1483	0.1478	19.7067	3.1622
3	00:00:03	0.1488	0.1483	19.7733	3.1587
4	00:00:04	0.1495	0.1490	19.8667	3.1539
5	00:00:05	0.1499	0.1494	19.9200	3.1511
6	00:00:06	0.1502	0.1497	19.9600	3.1491
7	00:00:12	0.1512	0.1507	20.0933	3.1421
8	00:00:15	0.1517	0.1512	20.1600	3.1387
9	00:00:30	0.1533	0.1528	20.3733	3.1276
10	00:01:00	0.1557	0.1552	20.6933	3.1110
11	00:02:00	0.1589	0.1584	21.1200	3.0889
12	00:04:00	0.1632	0.1627	21.6933	3.0592
13	00:05:00	0.1650	0.1645	21.9333	3.0468
14	00:08:01	0.1694	0.1689	22.5200	3.0163
15	00:10:01	0.1718	0.1713	22.8400	2.9998
16	00:15:01	0.1766	0.1761	23.8000	2.9666
17	00:20:02	0.1806	0.1801	24.0133	2.9389
18	00:40:03	0.1921	0.1916	25.5467	2.8598
19	01:00:05	0.1998	0.1993	26.5733	2.8062
20	01:30:07	0.2066	0.2061	27.4800	2.7592
21	02:00:09	0.2103	0.2098	27.9733	2.7337
22	02:30:12	0.2126	0.2121	28.2800	2.7178
23	03:00:14	0.2142	0.2137	28.4933	2.7067
24	03:30:16	0.2152	0.2147	28.6267	2.6998
25	04:00:18	0.2160	0.2155	28.7333	2.6943
26	04:30:21	0.2166	0.2161	28.8133	2.6901
27	05:00:23	0.2171	0.2166	28.8800	2.6867
28	05:30:25	0.2175	0.2170	28.9333	2.6839
29	06:00:27	0.2179	0.2174	28.9867	2.6811
30	06:30:30	0.2182	0.2177	29.0267	2.6791
31	07:00:32	0.2186	0.2181	29.0800	2.6763
32	07:30:34	0.2189	0.2184	29.1200	2.6742
33	08:00:37	0.2190	0.2185	29.1333	2.6735
34	08:30:39	0.2194	0.2189	29.1867	2.6708
35	09:00:41	0.2196	0.2191	29.2133	2.6694
36	09:30:43	0.2197	0.2192	29.2267	2.6687



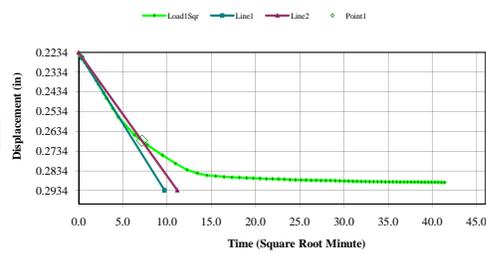
37	10:00:46	0.2197	0.2192	29.2267	2.6687
38	10:30:48	0.2202	0.2197	29.2933	2.6652
39	11:00:50	0.2204	0.2199	29.3200	2.6639
40	11:30:53	0.2205	0.2200	29.3333	2.6632
41	12:00:55	0.2205	0.2200	29.3333	2.6632
42	12:30:57	0.2205	0.2200	29.3333	2.6632
43	13:00:59	0.2206	0.2201	29.3467	2.6625
44	13:31:02	0.2206	0.2201	29.3467	2.6625
45	14:01:04	0.2210	0.2205	29.4000	2.6597
46	14:31:06	0.2213	0.2208	29.4400	2.6576
47	15:01:09	0.2214	0.2209	29.4533	2.6569
48	15:31:11	0.2214	0.2209	29.4533	2.6569
49	16:01:13	0.2214	0.2209	29.4533	2.6569
50	16:31:15	0.2215	0.2210	29.4667	2.6563
51	17:01:18	0.2215	0.2210	29.4667	2.6563
52	17:31:20	0.2216	0.2211	29.4800	2.6556
53	17:40:34	0.2221	0.2216	29.5467	2.6521

Consolidation Test Results (Sequence 5) Load 0.500 tsf	Consolidation Test Results (Sequence 5) Load 0.500 tsf
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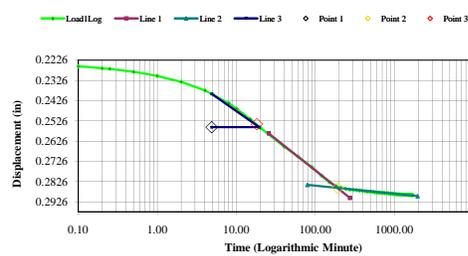
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: 11-21 **Test Date:** 8 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 12 **Peat (PT):**
Depth: 7 - 9 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2221	0.2216	29.5467	2.6521
1	00:00:01	0.2243	0.2238	29.8400	2.6369
2	00:00:02	0.2246	0.2241	29.8800	2.6348
3	00:00:03	0.2250	0.2245	29.9333	2.6321
4	00:00:04	0.2252	0.2247	29.9600	2.6307
5	00:00:05	0.2254	0.2249	29.9867	2.6293
6	00:00:06	0.2257	0.2252	30.0267	2.6272
7	00:00:12	0.2267	0.2262	30.1600	2.6203
8	00:00:15	0.2269	0.2264	30.1867	2.6189
9	00:00:30	0.2284	0.2279	30.3867	2.6086
10	00:01:00	0.2304	0.2299	30.6533	2.5947
11	00:02:00	0.2333	0.2328	31.0400	2.5747
12	00:04:00	0.2376	0.2371	31.6133	2.5450
13	00:05:00	0.2395	0.2390	31.8667	2.5318
14	00:08:00	0.2439	0.2434	32.4533	2.5014
15	00:10:00	0.2466	0.2461	32.8133	2.4828
16	00:15:01	0.2518	0.2513	33.5067	2.4468
17	00:20:01	0.2560	0.2555	34.0667	2.4178
18	00:40:03	0.2653	0.2648	35.3067	2.3535
19	01:00:04	0.2702	0.2697	35.9600	2.3197
20	01:30:07	0.2755	0.2750	36.6667	2.2830
21	02:00:09	0.2797	0.2792	37.2267	2.2540
22	02:30:11	0.2829	0.2824	37.6533	2.2319
23	03:00:14	0.2846	0.2841	37.8800	2.2201
24	03:30:16	0.2857	0.2852	38.0267	2.2125
25	04:00:18	0.2861	0.2856	38.0800	2.2098
26	04:30:20	0.2865	0.2860	38.1333	2.2070
27	05:00:23	0.2867	0.2862	38.1600	2.2056
28	05:30:25	0.2868	0.2863	38.1733	2.2049
29	06:00:27	0.2870	0.2865	38.2000	2.2035
30	06:30:30	0.2872	0.2867	38.2267	2.2022
31	07:00:32	0.2873	0.2868	38.2400	2.2015
32	07:30:34	0.2875	0.2870	38.2667	2.2001
33	08:00:36	0.2875	0.2870	38.2667	2.2001
34	08:30:39	0.2876	0.2871	38.2800	2.1994
35	09:00:41	0.2877	0.2872	38.2933	2.1987
36	09:30:43	0.2879	0.2874	38.3200	2.1973

Consolidation Graph (Square-root Time)



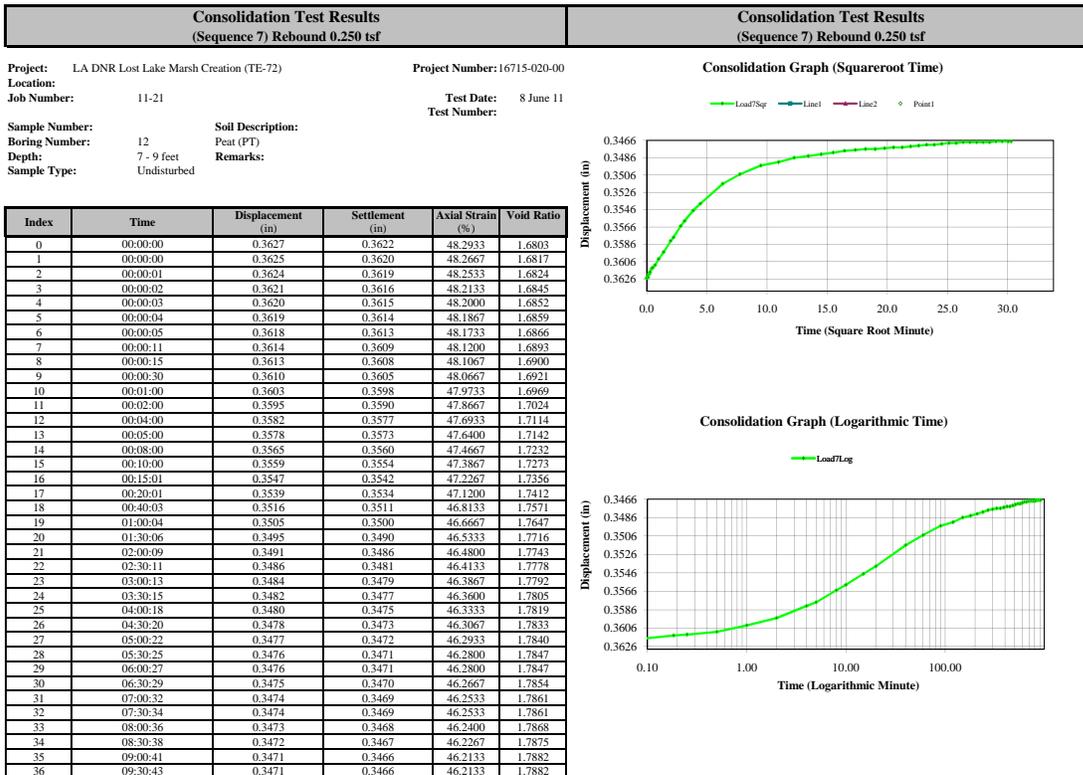
Consolidation Graph (Logarithmic Time)



37	10:00:46	0.2880	0.2875	38.3333	2.1966
38	10:30:48	0.2881	0.2876	38.3467	2.1959
39	11:00:50	0.2881	0.2876	38.3467	2.1959
40	11:30:52	0.2882	0.2877	38.3600	2.1952
41	12:00:55	0.2882	0.2877	38.3600	2.1952
42	12:30:57	0.2883	0.2878	38.3733	2.1946
43	13:00:59	0.2883	0.2878	38.3733	2.1946
44	13:31:01	0.2883	0.2878	38.3733	2.1946
45	14:01:04	0.2884	0.2879	38.3867	2.1939
46	14:31:06	0.2885	0.2880	38.4000	2.1932
47	15:01:08	0.2886	0.2881	38.4133	2.1925
48	15:31:11	0.2886	0.2881	38.4133	2.1925
49	16:01:13	0.2887	0.2882	38.4267	2.1918
50	16:31:15	0.2887	0.2882	38.4267	2.1918
51	17:01:17	0.2888	0.2883	38.4400	2.1911
52	17:31:20	0.2888	0.2883	38.4400	2.1911
53	18:01:22	0.2889	0.2884	38.4533	2.1904
54	18:31:24	0.2889	0.2884	38.4533	2.1904
55	19:01:26	0.2889	0.2884	38.4533	2.1904
56	19:31:29	0.2889	0.2884	38.4533	2.1904
57	20:01:31	0.2890	0.2885	38.4667	2.1897
58	20:31:33	0.2890	0.2885	38.4667	2.1897
59	21:01:36	0.2890	0.2885	38.4667	2.1897
60	21:31:38	0.2890	0.2885	38.4667	2.1897
61	22:01:40	0.2891	0.2886	38.4800	2.1890
62	22:31:43	0.2891	0.2886	38.4800	2.1890
63	23:01:45	0.2891	0.2886	38.4800	2.1890
64	23:31:47	0.2891	0.2886	38.4800	2.1890
65	24:01:49	0.2891	0.2886	38.4800	2.1890
66	24:31:52	0.2891	0.2886	38.4800	2.1890
67	25:01:54	0.2892	0.2887	38.4933	2.1883
68	25:31:56	0.2892	0.2887	38.4933	2.1883
69	26:01:59	0.2892	0.2887	38.4933	2.1883
70	26:32:01	0.2892	0.2887	38.4933	2.1883
71	27:02:03	0.2892	0.2887	38.4933	2.1883
72	27:32:05	0.2892	0.2887	38.4933	2.1883
73	28:02:08	0.2893	0.2888	38.5067	2.1876
74	28:30:26	0.2893	0.2888	38.5067	2.1876

Consolidation Test Results (Sequence 6) Load 1.000 tsf						Consolidation Test Results (Sequence 6) Load 1.000 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			Consolidation Graph (Square-root Time)					
Location:			Test Date: 8 June 11								
Job Number: 11-21			Test Number:								
Sample Number:			Soil Description:								
Boring Number: 12			Remarks:								
Depth: 7 - 9 feet											
Sample Type: Undisturbed											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.2893	0.2888	38.5067	2.1876						
1	00:00:01	0.2908	0.2903	38.7067	2.1773						
2	00:00:02	0.2911	0.2906	38.7467	2.1752						
3	00:00:03	0.2914	0.2909	38.7867	2.1731						
4	00:00:04	0.2916	0.2911	38.8133	2.1717						
5	00:00:05	0.2917	0.2912	38.8267	2.1711						
6	00:00:06	0.2918	0.2913	38.8400	2.1704						
7	00:00:12	0.2925	0.2920	38.9333	2.1655						
8	00:00:15	0.2929	0.2924	38.9867	2.1628						
9	00:00:30	0.2940	0.2935	39.1333	2.1552						
10	00:01:00	0.2957	0.2952	39.3600	2.1434						
11	00:02:00	0.2981	0.2976	39.6800	2.1268						
12	00:04:00	0.3013	0.3008	40.1067	2.1047						
13	00:05:00	0.3027	0.3022	40.2933	2.0950						
14	00:08:00	0.3059	0.3054	40.7200	2.0729						
15	00:10:00	0.3077	0.3072	40.9600	2.0605						
16	00:15:01	0.3128	0.3123	41.6400	2.0252						
17	00:20:01	0.3171	0.3166	42.2133	1.9955						
18	00:40:03	0.3289	0.3284	43.7867	1.9139						
19	01:00:04	0.3363	0.3358	44.7733	1.8628						
20	01:30:07	0.3428	0.3423	45.6400	1.8179						
21	02:00:09	0.3468	0.3463	46.1733	1.7902						
22	02:30:11	0.3494	0.3489	46.5200	1.7723						
23	03:00:13	0.3511	0.3506	46.7467	1.7605						
24	03:30:16	0.3524	0.3519	46.9200	1.7515						
25	04:00:18	0.3533	0.3528	47.0400	1.7453						
26	04:30:20	0.3540	0.3535	47.1333	1.7405						
27	05:00:22	0.3547	0.3542	47.2267	1.7356						
28	05:30:25	0.3553	0.3548	47.3067	1.7315						
29	06:00:27	0.3556	0.3551	47.3467	1.7294						
30	06:30:29	0.3562	0.3557	47.4267	1.7253						
31	07:00:31	0.3565	0.3560	47.4667	1.7232						
32	07:30:34	0.3569	0.3564	47.5200	1.7204						
33	08:00:36	0.3572	0.3567	47.5600	1.7183						
34	08:30:38	0.3574	0.3569	47.5867	1.7170						
35	09:00:41	0.3578	0.3573	47.6400	1.7142						
36	09:30:43	0.3580	0.3575	47.6667	1.7128						

37	10:00:45	0.3581	0.3576	47.6800	1.7121
38	10:30:47	0.3584	0.3579	47.7200	1.7101
39	11:00:50	0.3586	0.3581	47.7467	1.7087
40	11:30:52	0.3588	0.3583	47.7733	1.7073
41	12:00:54	0.3589	0.3584	47.7867	1.7066
42	12:30:57	0.3591	0.3586	47.8133	1.7052
43	13:00:59	0.3593	0.3588	47.8400	1.7038
44	13:31:01	0.3594	0.3589	47.8533	1.7031
45	14:01:03	0.3595	0.3590	47.8667	1.7024
46	14:31:06	0.3596	0.3591	47.8800	1.7018
47	15:01:08	0.3597	0.3592	47.8933	1.7011
48	15:31:10	0.3599	0.3594	47.9200	1.6997
49	16:01:13	0.3601	0.3596	47.9467	1.6983
50	16:31:15	0.3602	0.3597	47.9600	1.6976
51	17:01:17	0.3603	0.3598	47.9733	1.6969
52	17:31:19	0.3604	0.3599	47.9867	1.6962
53	18:01:22	0.3604	0.3599	47.9867	1.6962
54	18:31:24	0.3605	0.3600	48.0000	1.6955
55	19:01:26	0.3606	0.3601	48.0133	1.6948
56	19:31:28	0.3608	0.3603	48.0400	1.6935
57	20:01:31	0.3609	0.3604	48.0533	1.6928
58	20:31:33	0.3610	0.3605	48.0667	1.6921
59	21:01:35	0.3611	0.3606	48.0800	1.6914
60	21:31:38	0.3611	0.3606	48.0800	1.6914
61	22:01:40	0.3612	0.3607	48.0933	1.6907
62	22:31:42	0.3613	0.3608	48.1067	1.6900
63	23:01:44	0.3614	0.3609	48.1200	1.6893
64	23:31:47	0.3615	0.3610	48.1333	1.6886
65	24:01:49	0.3616	0.3611	48.1467	1.6879
66	24:31:51	0.3617	0.3612	48.1600	1.6872
67	25:01:53	0.3618	0.3613	48.1733	1.6866
68	25:31:56	0.3619	0.3614	48.1867	1.6859
69	26:01:58	0.3619	0.3614	48.1867	1.6859
70	26:32:00	0.3620	0.3615	48.2000	1.6852
71	27:02:03	0.3620	0.3615	48.2000	1.6852
72	27:32:05	0.3621	0.3616	48.2133	1.6845
73	27:56:17	0.3627	0.3622	48.2933	1.6803



37	10:00:45	0.3470	0.3465	46.2000	1.7888
38	10:30:48	0.3469	0.3464	46.1867	1.7895
39	11:00:50	0.3469	0.3464	46.1867	1.7895
40	11:30:52	0.3468	0.3463	46.1733	1.7902
41	12:00:54	0.3468	0.3463	46.1733	1.7902
42	12:30:57	0.3468	0.3463	46.1733	1.7902
43	13:00:59	0.3468	0.3463	46.1733	1.7902
44	13:31:01	0.3468	0.3463	46.1733	1.7902
45	14:01:04	0.3467	0.3462	46.1600	1.7909
46	14:31:06	0.3467	0.3462	46.1600	1.7909
47	15:01:08	0.3467	0.3462	46.1600	1.7909
48	15:16:03	0.3467	0.3462	46.1600	1.7909

Consolidation Test Results (Sequence 8) Rebound 0.063 tsf						Consolidation Test Results (Sequence 8) Rebound 0.063 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			Consolidation Graph (Square-root Time)					
Location:			Test Date: 8 June 11								
Job Number: 11-21			Test Number:								
Sample Number:			Soil Description:								
Boring Number: 12			Peat (PT)								
Depth: 7 - 9 feet			Remarks:								
Sample Type: Undisturbed											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.3467	0.3462	46.1600	1.7909						
1	00:00:01	0.3463	0.3458	46.1067	1.7937						
2	00:00:02	0.3462	0.3457	46.0933	1.7944						
3	00:00:03	0.3460	0.3455	46.0667	1.7958						
4	00:00:04	0.3460	0.3455	46.0667	1.7958						
5	00:00:05	0.3460	0.3455	46.0667	1.7958						
6	00:00:06	0.3460	0.3455	46.0667	1.7958						
7	00:00:12	0.3459	0.3454	46.0533	1.7964						
8	00:00:15	0.3458	0.3453	46.0400	1.7971						
9	00:00:30	0.3455	0.3450	46.0000	1.7992						
10	00:01:00	0.3451	0.3446	45.9467	1.8020						
11	00:02:00	0.3444	0.3439	45.8533	1.8068						
12	00:04:00	0.3435	0.3430	45.7333	1.8130						
13	00:05:01	0.3431	0.3426	45.6800	1.8158						
14	00:08:01	0.3420	0.3415	45.5333	1.8234						
15	00:10:01	0.3415	0.3410	45.4667	1.8269						
16	00:15:01	0.3403	0.3398	45.3067	1.8352						
17	00:20:02	0.3392	0.3387	45.1600	1.8428						
18	00:40:03	0.3362	0.3357	44.7600	1.8635						
19	01:00:05	0.3340	0.3335	44.4667	1.8787						
20	01:30:07	0.3315	0.3310	44.1333	1.8960						
21	02:00:09	0.3299	0.3294	43.9200	1.9070						
22	02:30:12	0.3286	0.3281	43.7467	1.9160						
23	03:00:14	0.3276	0.3271	43.6133	1.9229						
24	03:30:16	0.3268	0.3263	43.5067	1.9285						
25	04:00:18	0.3262	0.3257	43.4267	1.9326						
26	04:30:21	0.3258	0.3253	43.3733	1.9354						
27	05:00:23	0.3253	0.3248	43.3067	1.9388						
28	05:30:25	0.3250	0.3245	43.2667	1.9409						
29	06:00:27	0.3245	0.3240	43.2000	1.9444						
30	06:30:30	0.3243	0.3238	43.1733	1.9457						
31	07:00:32	0.3239	0.3234	43.1200	1.9485						
32	07:30:34	0.3236	0.3231	43.0800	1.9506						
33	08:00:37	0.3235	0.3230	43.0667	1.9513						
34	08:30:39	0.3233	0.3228	43.0400	1.9526						
35	09:00:41	0.3230	0.3225	43.0000	1.9547						
36	09:30:43	0.3228	0.3223	42.9733	1.9561						

37	10:00:46	0.3227	0.3222	42.9600	1.9568
38	10:30:48	0.3226	0.3221	42.9467	1.9575
39	11:00:50	0.3224	0.3219	42.9200	1.9589
40	11:30:52	0.3222	0.3217	42.8933	1.9603
41	12:00:55	0.3221	0.3216	42.8800	1.9609
42	12:30:57	0.3220	0.3215	42.8667	1.9616
43	13:00:59	0.3219	0.3214	42.8533	1.9623
44	13:31:02	0.3219	0.3214	42.8533	1.9623
45	14:01:04	0.3218	0.3213	42.8400	1.9630
46	14:31:06	0.3213	0.3208	42.7733	1.9665
47	15:01:08	0.3212	0.3207	42.7600	1.9672
48	15:31:11	0.3212	0.3207	42.7600	1.9672
49	16:01:13	0.3211	0.3206	42.7467	1.9679
50	16:31:15	0.3211	0.3206	42.7467	1.9679
51	17:01:18	0.3210	0.3205	42.7333	1.9685
52	17:31:20	0.3209	0.3204	42.7200	1.9692
53	18:01:22	0.3208	0.3203	42.7067	1.9699
54	18:31:25	0.3208	0.3203	42.7067	1.9699
55	19:01:27	0.3207	0.3202	42.6933	1.9706
56	19:31:29	0.3206	0.3201	42.6800	1.9713
57	20:01:31	0.3205	0.3200	42.6667	1.9720
58	20:31:34	0.3205	0.3200	42.6667	1.9720
59	21:01:36	0.3204	0.3199	42.6533	1.9727
60	21:31:38	0.3204	0.3199	42.6533	1.9727
61	22:01:41	0.3204	0.3199	42.6533	1.9727
62	22:31:43	0.3203	0.3198	42.6400	1.9734
63	23:01:45	0.3203	0.3198	42.6400	1.9734
64	23:31:47	0.3203	0.3198	42.6400	1.9734
65	24:01:50	0.3202	0.3197	42.6267	1.9741
66	24:30:10	0.3202	0.3197	42.6267	1.9741

Consolidation Test Results (Sequence 9) Load 0.250 tsf						Consolidation Test Results (Sequence 9) Load 0.250 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)						Project Number: 16715-020-00					
Location:						Test Date: 8 June 11					
Job Number: 11-21						Test Number:					
Sample Number:			Soil Description:								
Boring Number: 12			Peat (PT)								
Depth: 7 - 9 feet			Remarks:								
Sample Type: Undisturbed											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.3202	0.3197	42.6267	1.9741						
1	00:00:01	0.3203	0.3198	42.6400	1.9734						
2	00:00:02	0.3204	0.3199	42.6533	1.9727						
3	00:00:03	0.3204	0.3199	42.6533	1.9727						
4	00:00:04	0.3204	0.3199	42.6533	1.9727						
5	00:00:05	0.3205	0.3200	42.6667	1.9720						
6	00:00:06	0.3205	0.3200	42.6667	1.9720						
7	00:00:12	0.3207	0.3202	42.6933	1.9706						
8	00:00:15	0.3208	0.3203	42.7067	1.9699						
9	00:00:30	0.3210	0.3205	42.7333	1.9685						
10	00:01:00	0.3213	0.3208	42.7733	1.9665						
11	00:02:00	0.3218	0.3213	42.8400	1.9630						
12	00:04:00	0.3224	0.3219	42.9200	1.9589						
13	00:05:01	0.3227	0.3222	42.9600	1.9568						
14	00:08:01	0.3233	0.3228	43.0400	1.9526						
15	00:10:01	0.3236	0.3231	43.0800	1.9506						
16	00:15:01	0.3243	0.3238	43.1733	1.9457						
17	00:20:02	0.3249	0.3244	43.2533	1.9416						
18	00:40:03	0.3262	0.3257	43.4267	1.9326						
19	01:00:05	0.3268	0.3263	43.5067	1.9285						
20	01:30:07	0.3274	0.3269	43.5867	1.9243						
21	02:00:09	0.3276	0.3271	43.6133	1.9229						
22	02:30:12	0.3277	0.3272	43.6267	1.9222						
23	03:00:12	0.3286	0.3281	43.7467	1.9160						
24	03:30:12	0.3288	0.3283	43.7733	1.9146						
25	04:00:12	0.3289	0.3284	43.7867	1.9139						
26	04:30:11	0.3289	0.3284	43.7867	1.9139						
27	05:00:11	0.3290	0.3285	43.8000	1.9133						
28	05:00:40	0.3290	0.3285	43.8000	1.9133						
Tested By:						Checked By:					

Consolidation Graph (Square-root Time)

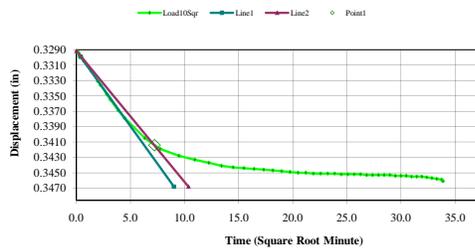
Consolidation Graph (Logarithmic Time)

Consolidation Test Results (Sequence 10) Load 0.500 tsf	Consolidation Test Results (Sequence 10) Load 0.500 tsf
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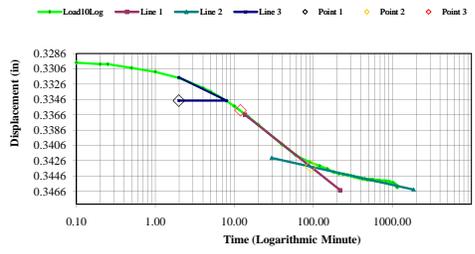
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 8 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 12 Peat (PT)
Depth: 7 - 9 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.3290	0.3285	43.8000	1.9133
1	00:00:01	0.3293	0.3288	43.8400	1.9112
2	00:00:02	0.3294	0.3289	43.8533	1.9105
3	00:00:03	0.3295	0.3290	43.8667	1.9098
4	00:00:04	0.3297	0.3292	43.8933	1.9084
5	00:00:05	0.3298	0.3293	43.9067	1.9077
6	00:00:06	0.3298	0.3293	43.9067	1.9077
7	00:00:12	0.3300	0.3295	43.9333	1.9063
8	00:00:15	0.3300	0.3295	43.9333	1.9063
9	00:00:30	0.3305	0.3300	44.0000	1.9029
10	00:01:00	0.3310	0.3305	44.0667	1.8994
11	00:02:00	0.3318	0.3313	44.1733	1.8939
12	00:04:00	0.3331	0.3326	44.3467	1.8849
13	00:05:00	0.3336	0.3331	44.4133	1.8815
14	00:08:00	0.3348	0.3343	44.5733	1.8732
15	00:10:00	0.3355	0.3350	44.6667	1.8683
16	00:15:00	0.3369	0.3364	44.8533	1.8587
17	00:20:00	0.3379	0.3374	44.9867	1.8517
18	00:40:00	0.3405	0.3400	45.3333	1.8338
19	00:59:59	0.3419	0.3414	45.5200	1.8241
20	01:29:59	0.3428	0.3423	45.6400	1.8179
21	01:59:59	0.3433	0.3428	45.7067	1.8144
22	02:29:58	0.3437	0.3432	45.7600	1.8117
23	02:59:58	0.3441	0.3436	45.8133	1.8089
24	03:29:58	0.3443	0.3438	45.8400	1.8075
25	03:59:57	0.3444	0.3439	45.8533	1.8068
26	04:29:57	0.3445	0.3440	45.8667	1.8061
27	04:59:57	0.3446	0.3441	45.8800	1.8054
28	05:29:56	0.3447	0.3442	45.8933	1.8047
29	05:59:56	0.3448	0.3443	45.9067	1.8040
30	06:29:56	0.3449	0.3444	45.9200	1.8034
31	06:59:55	0.3450	0.3445	45.9333	1.8027
32	07:29:55	0.3450	0.3445	45.9333	1.8027
33	07:59:55	0.3451	0.3446	45.9467	1.8020
34	08:29:54	0.3451	0.3446	45.9467	1.8020
35	08:59:54	0.3451	0.3446	45.9467	1.8020
36	09:29:53	0.3451	0.3446	45.9467	1.8020

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	09:59:53	0.3452	0.3447	45.9600	1.8013
38	10:29:53	0.3452	0.3447	45.9600	1.8013
39	10:59:52	0.3452	0.3447	45.9600	1.8013
40	11:29:52	0.3452	0.3447	45.9600	1.8013
41	11:59:52	0.3453	0.3448	45.9733	1.8006
42	12:29:51	0.3453	0.3448	45.9733	1.8006
43	12:59:51	0.3453	0.3448	45.9733	1.8006
44	13:29:51	0.3453	0.3448	45.9733	1.8006
45	13:59:50	0.3453	0.3448	45.9733	1.8006
46	14:29:50	0.3454	0.3449	45.9867	1.7999
47	14:59:49	0.3454	0.3449	45.9867	1.7999
48	15:29:49	0.3454	0.3449	45.9867	1.7999
49	15:59:49	0.3455	0.3450	46.0000	1.7992
50	16:29:48	0.3455	0.3450	46.0000	1.7992
51	16:59:48	0.3455	0.3450	46.0000	1.7992
52	17:29:48	0.3456	0.3451	46.0133	1.7985
53	17:59:47	0.3457	0.3452	46.0267	1.7978
54	18:29:47	0.3458	0.3453	46.0400	1.7971
55	18:59:47	0.3459	0.3454	46.0533	1.7964
56	19:07:52	0.3461	0.3456	46.0800	1.7951

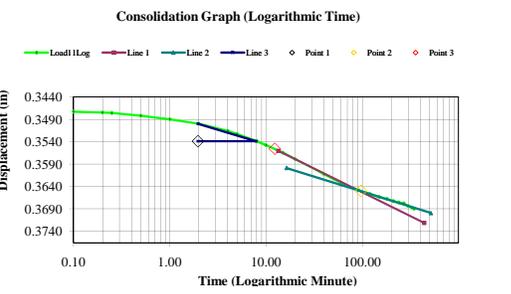
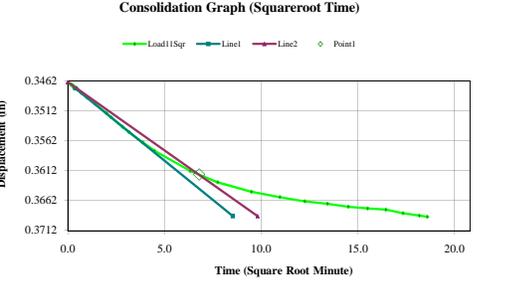
Consolidation Test Results (Sequence 11) Load 1,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 8 June 11
 Test Number:
 Sample Number: Soil Description: Peat (PT)
 Boring Number: 12 Depth: 7 - 9 feet Remarks:
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.3461	0.3456	46.0800	1.7951
1	00:00:01	0.3467	0.3462	46.1600	1.7909
2	00:00:02	0.3468	0.3463	46.1733	1.7902
3	00:00:03	0.3469	0.3464	46.1867	1.7895
4	00:00:04	0.3470	0.3465	46.2000	1.7888
5	00:00:05	0.3471	0.3466	46.2133	1.7882
6	00:00:06	0.3473	0.3468	46.2400	1.7868
7	00:00:12	0.3475	0.3470	46.2667	1.7854
8	00:00:15	0.3476	0.3471	46.2800	1.7847
9	00:00:30	0.3482	0.3477	46.3600	1.7805
10	00:01:00	0.3490	0.3485	46.4667	1.7750
11	00:02:00	0.3500	0.3495	46.6000	1.7681
12	00:04:00	0.3516	0.3511	46.8133	1.7571
13	00:05:00	0.3523	0.3518	46.9067	1.7522
14	00:08:00	0.3539	0.3534	47.1200	1.7412
15	00:10:00	0.3548	0.3543	47.2400	1.7349
16	00:15:01	0.3565	0.3560	47.4667	1.7232
17	00:20:01	0.3579	0.3574	47.6533	1.7135
18	00:40:03	0.3613	0.3608	48.1067	1.6900
19	01:00:04	0.3632	0.3627	48.3600	1.6769
20	01:30:07	0.3648	0.3643	48.5733	1.6658
21	02:00:09	0.3657	0.3652	48.6933	1.6596
22	02:30:11	0.3664	0.3659	48.7867	1.6548
23	03:00:14	0.3668	0.3663	48.8400	1.6520
24	03:30:16	0.3673	0.3668	48.9067	1.6485
25	04:00:18	0.3676	0.3671	48.9467	1.6465
26	04:30:20	0.3678	0.3673	48.9733	1.6451
27	05:00:23	0.3684	0.3679	49.0533	1.6409
28	05:30:25	0.3688	0.3683	49.1067	1.6382
29	05:45:27	0.3690	0.3685	49.1333	1.6368

Tested By: Checked By:

Consolidation Test Results (Sequence 11) Load 1,000 tsf



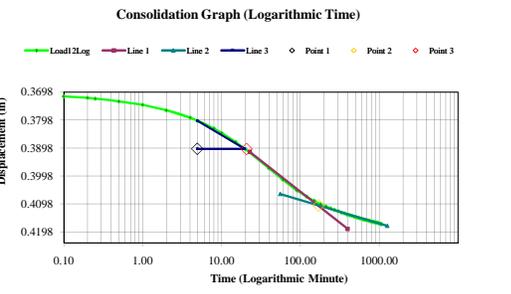
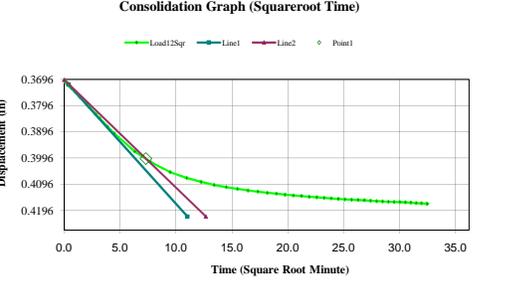
Consolidation Test Results (Sequence 12) Load 2,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 8 June 11
 Test Number:
 Sample Number: Soil Description: Peat (PT)
 Boring Number: 12 Depth: 7 - 9 feet Remarks:
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.3690	0.3685	49.1333	1.6368
1	00:00:01	0.3705	0.3700	49.3333	1.6264
2	00:00:02	0.3707	0.3702	49.3600	1.6250
3	00:00:03	0.3709	0.3704	49.3867	1.6237
4	00:00:04	0.3710	0.3705	49.4000	1.6230
5	00:00:05	0.3712	0.3707	49.4267	1.6216
6	00:00:06	0.3713	0.3708	49.4400	1.6209
7	00:00:12	0.3718	0.3713	49.5067	1.6174
8	00:00:15	0.3721	0.3716	49.5467	1.6154
9	00:00:30	0.3731	0.3726	49.6800	1.6085
10	00:01:00	0.3743	0.3738	49.8400	1.6002
11	00:02:00	0.3763	0.3758	50.1067	1.5863
12	00:04:00	0.3789	0.3784	50.4533	1.5684
13	00:05:01	0.3801	0.3796	50.6133	1.5601
14	00:08:01	0.3828	0.3823	50.9733	1.5414
15	00:10:01	0.3844	0.3839	51.1867	1.5303
16	00:15:01	0.3876	0.3871	51.6133	1.5082
17	00:20:02	0.3902	0.3897	51.9600	1.4903
18	00:40:03	0.3971	0.3966	52.8800	1.4426
19	01:00:05	0.4012	0.4007	53.4267	1.4142
20	01:30:07	0.4050	0.4045	53.9333	1.3880
21	02:00:09	0.4072	0.4067	54.2267	1.3728
22	02:30:12	0.4087	0.4082	54.4267	1.3624
23	03:00:14	0.4099	0.4094	54.5867	1.3541
24	03:30:16	0.4107	0.4102	54.6933	1.3486
25	04:00:19	0.4114	0.4109	54.7867	1.3437
26	04:30:21	0.4120	0.4115	54.8667	1.3396
27	05:00:23	0.4124	0.4119	54.9200	1.3368
28	05:30:25	0.4129	0.4124	54.9867	1.3334
29	06:00:28	0.4132	0.4127	55.0267	1.3313
30	06:30:30	0.4136	0.4131	55.0800	1.3285
31	07:00:32	0.4139	0.4134	55.1200	1.3265
32	07:30:34	0.4141	0.4136	55.1467	1.3251
33	08:00:36	0.4144	0.4139	55.1867	1.3230
34	08:30:39	0.4146	0.4141	55.2133	1.3216
35	09:00:41	0.4148	0.4143	55.2400	1.3202
36	09:30:43	0.4150	0.4145	55.2667	1.3189

Tested By: Checked By:

Consolidation Test Results (Sequence 12) Load 2,000 tsf



37	10:00:46	0.4152	0.4147	55.2933	1.3175
38	10:30:48	0.4154	0.4149	55.3200	1.3161
39	11:00:50	0.4155	0.4150	55.3333	1.3154
40	11:30:52	0.4156	0.4151	55.3467	1.3147
41	12:00:55	0.4157	0.4152	55.3600	1.3140
42	12:30:57	0.4159	0.4154	55.3867	1.3126
43	13:00:59	0.4161	0.4156	55.4133	1.3112
44	13:31:02	0.4162	0.4157	55.4267	1.3106
45	14:01:04	0.4163	0.4158	55.4400	1.3099
46	14:31:06	0.4164	0.4159	55.4533	1.3092
47	15:01:08	0.4164	0.4159	55.4533	1.3092
48	15:31:11	0.4165	0.4160	55.4667	1.3085
49	16:01:13	0.4166	0.4161	55.4800	1.3078
50	16:31:15	0.4168	0.4163	55.5067	1.3064
51	17:01:18	0.4169	0.4164	55.5200	1.3057
52	17:31:20	0.4170	0.4165	55.5333	1.3050
53	17:34:38	0.4171	0.4166	55.5467	1.3043

Consolidation Test Results (Sequence 13) Load 4.000 tsf						Consolidation Test Results (Sequence 13) Load 4.000 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			Consolidation Graph (Squareroot Time) 			Consolidation Graph (Logarithmic Time) 		
Location: 11-21			Test Date: 8 June 11								
Job Number: 11-21			Test Number:			Consolidation Graph (Squareroot Time) 			Consolidation Graph (Logarithmic Time) 		
Sample Number: Soil Description:											
Boring Number: 12 Peat (PT)											
Depth: 7 - 9 feet Remarks:											
Sample Type: Undisturbed											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.4171	0.4166	55.5467	1.3043						
1	00:00:01	0.4188	0.4183	55.7733	1.2926						
2	00:00:02	0.4193	0.4188	55.8400	1.2891						
3	00:00:03	0.4195	0.4190	55.8667	1.2878						
4	00:00:04	0.4196	0.4191	55.8800	1.2871						
5	00:00:05	0.4197	0.4192	55.8933	1.2864						
6	00:00:06	0.4198	0.4193	55.9067	1.2857						
7	00:00:12	0.4204	0.4199	55.9867	1.2815						
8	00:00:15	0.4206	0.4201	56.0133	1.2801						
9	00:00:30	0.4214	0.4209	56.1200	1.2746						
10	00:01:00	0.4227	0.4222	56.2933	1.2656						
11	00:02:00	0.4244	0.4239	56.5200	1.2539						
12	00:04:00	0.4268	0.4263	56.8400	1.2373						
13	00:05:00	0.4277	0.4272	56.9600	1.2311						
14	00:08:01	0.4302	0.4297	57.2933	1.2138						
15	00:10:01	0.4316	0.4311	57.4800	1.2041						
16	00:15:01	0.4344	0.4339	57.8533	1.1848						
17	00:20:01	0.4366	0.4361	58.1467	1.1696						
18	00:40:03	0.4427	0.4422	58.9600	1.1274						
19	01:00:04	0.4461	0.4456	59.4133	1.1039						
20	01:30:07	0.4494	0.4489	59.8533	1.0811						
21	02:00:09	0.4513	0.4508	60.1067	1.0680						
22	02:30:11	0.4525	0.4520	60.2667	1.0597						
23	03:00:14	0.4534	0.4529	60.3867	1.0534						
24	03:30:16	0.4540	0.4535	60.4667	1.0493						
25	04:00:18	0.4547	0.4542	60.5600	1.0445						
26	04:30:21	0.4551	0.4546	60.6133	1.0417						
27	05:00:23	0.4555	0.4550	60.6667	1.0389						
28	05:30:25	0.4558	0.4553	60.7067	1.0369						
29	06:00:26	0.4562	0.4557	60.7600	1.0341						
30	06:30:26	0.4564	0.4559	60.7867	1.0327						
31	07:00:28	0.4566	0.4561	60.8133	1.0313						
32	07:30:31	0.4568	0.4563	60.8400	1.0299						
33	08:00:32	0.4570	0.4565	60.8667	1.0286						
34	08:20:59	0.4571	0.4566	60.8800	1.0279						

Consolidation Test Results
(Sequence 14) Load 8,000 tsf

Consolidation Test Results
(Sequence 14) Load 8,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

Project Number: 16715-020-00

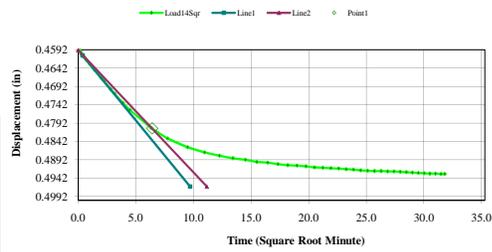
Test Date: 8 June 11
Test Number:

Sample Number: 12
Boring Number: 7 - 9 feet
Depth: 7 - 9 feet
Sample Type: Undisturbed

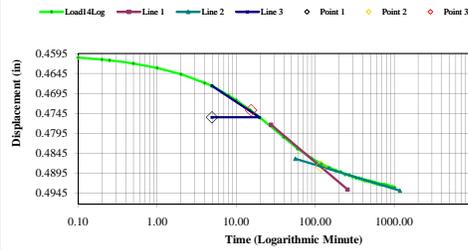
Soil Description: Peat (PT)
Remarks:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.4571	0.4566	60.8800	1.0279
1	00:00:01	0.4595	0.4590	61.2000	1.0113
2	00:00:02	0.4597	0.4592	61.2267	1.0099
3	00:00:03	0.4601	0.4596	61.2800	1.0071
4	00:00:04	0.4603	0.4598	61.3067	1.0058
5	00:00:05	0.4604	0.4599	61.3200	1.0051
6	00:00:06	0.4605	0.4600	61.3333	1.0044
7	00:00:12	0.4610	0.4605	61.4000	1.0009
8	00:00:15	0.4612	0.4607	61.4267	0.9995
9	00:00:30	0.4620	0.4615	61.5333	0.9940
10	00:01:00	0.4631	0.4626	61.6800	0.9864
11	00:02:00	0.4647	0.4642	61.8933	0.9753
12	00:04:00	0.4669	0.4664	62.1867	0.9601
13	00:05:00	0.4677	0.4672	62.2933	0.9546
14	00:08:01	0.4700	0.4695	62.6000	0.9387
15	00:10:01	0.4712	0.4707	62.7600	0.9304
16	00:15:01	0.4737	0.4732	63.0933	0.9131
17	00:20:52	0.4756	0.4751	63.3467	0.9000
18	00:40:53	0.4805	0.4800	64.0000	0.8661
19	01:00:05	0.4834	0.4829	64.3867	0.8461
20	01:30:07	0.4858	0.4853	64.7067	0.8295
21	02:00:09	0.4872	0.4867	64.8933	0.8198
22	02:30:11	0.4881	0.4876	65.0133	0.8136
23	03:00:14	0.4888	0.4883	65.1067	0.8088
24	03:30:16	0.4892	0.4887	65.1600	0.8060
25	04:00:18	0.4898	0.4893	65.2400	0.8019
26	04:30:20	0.4900	0.4895	65.2600	0.8005
27	05:00:23	0.4904	0.4899	65.3200	0.7977
28	05:30:25	0.4907	0.4902	65.3600	0.7956
29	06:00:27	0.4908	0.4903	65.3733	0.7950
30	06:30:30	0.4910	0.4905	65.4000	0.7936
31	07:00:32	0.4913	0.4908	65.4400	0.7915
32	07:30:34	0.4914	0.4909	65.4533	0.7908
33	08:00:36	0.4915	0.4910	65.4667	0.7901
34	08:30:39	0.4916	0.4911	65.4800	0.7894
35	09:00:41	0.4918	0.4913	65.5067	0.7880
36	09:30:43	0.4919	0.4914	65.5200	0.7873

Consolidation Graph (Square-root Time)



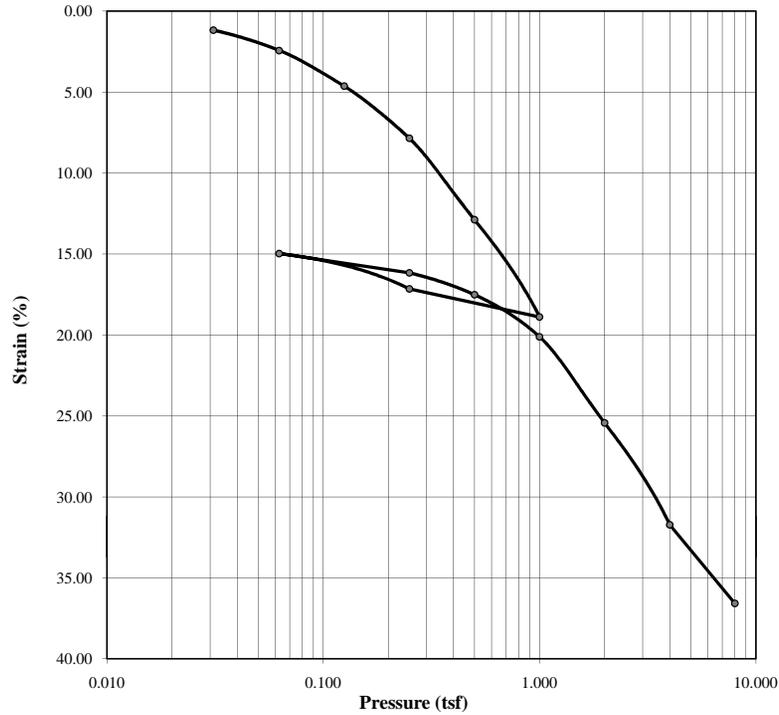
Consolidation Graph (Logarithmic Time)



37	10:00:46	0.4921	0.4916	65.5467	0.7860
38	10:30:48	0.4922	0.4917	65.5600	0.7853
39	11:00:50	0.4923	0.4918	65.5733	0.7846
40	11:30:53	0.4923	0.4918	65.5733	0.7846
41	12:00:55	0.4924	0.4919	65.5867	0.7839
42	12:30:57	0.4924	0.4919	65.5867	0.7839
43	13:00:59	0.4925	0.4920	65.6000	0.7832
44	13:31:02	0.4926	0.4921	65.6133	0.7825
45	14:01:04	0.4927	0.4922	65.6267	0.7818
46	14:31:06	0.4928	0.4923	65.6400	0.7811
47	15:01:09	0.4929	0.4924	65.6533	0.7804
48	15:31:11	0.4930	0.4925	65.6667	0.7797
49	16:01:13	0.4930	0.4925	65.6667	0.7797
50	16:31:15	0.4931	0.4926	65.6800	0.7791
51	16:51:14	0.4931	0.4926	65.6800	0.7791



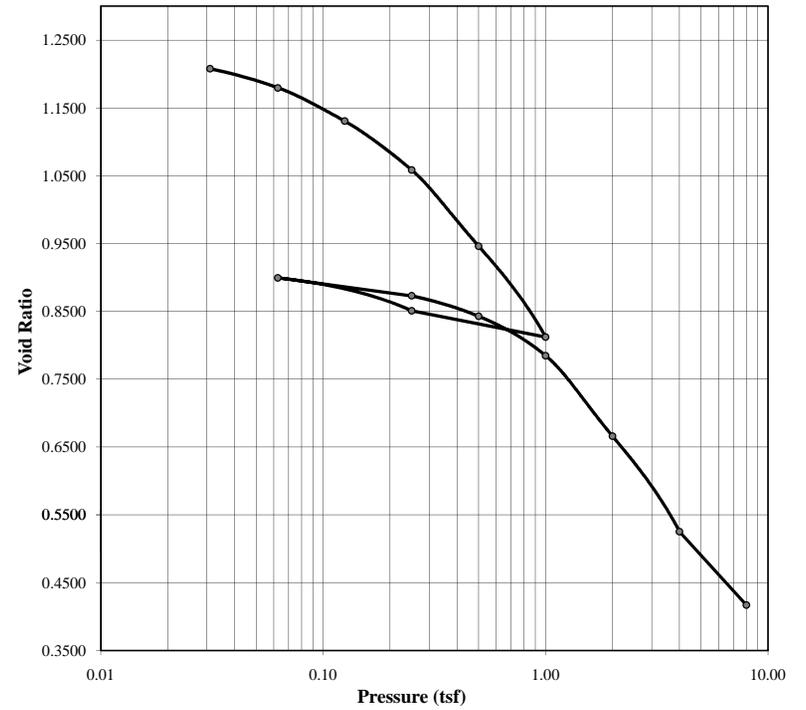
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	86	Test Date:	16 June 11
Moisture (%):	63.33	37.44	Plastic Limits:	29		
Dry Density (pcf):	60.00	88.66	Plasticity Index (%):	57		
Saturation (%):	110.04	156.50				
Void Ratio:	1.2342	0.4171	Specific Gravity:	2.151	Measured	
Sample Description:	Gray clay with organic matter (CH)					
Project Number:	16715-020-00	Depth:	14 - 16 feet	Remarks:		
Sample Number:		Boring Number:	13			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



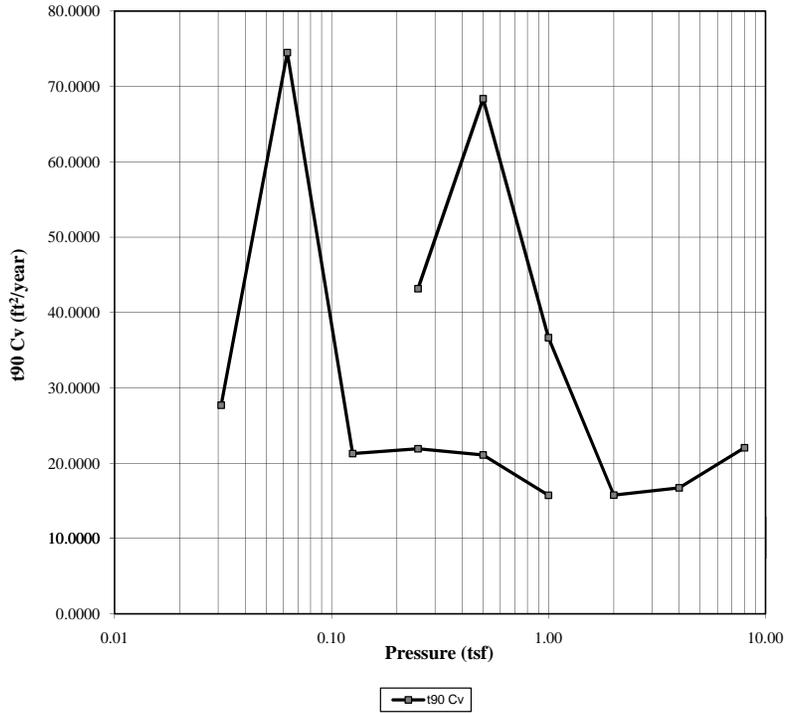
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	86	Test Date:	16 June 11
Moisture (%):	63.33	37.44	Plastic Limits:	29		
Dry Density (pcf):	60.00	88.66	Plasticity Index (%):	57		
Saturation (%):	110.04	156.50				
Void Ratio:	1.2342	0.4171	Specific Gravity:	2.151	Measured	
Soil Description:	Gray clay with organic matter (CH)					
Project Number:	16715-020-00	Depth:	14 - 16 feet	Remarks:		
Sample Number:		Boring Number:	13			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



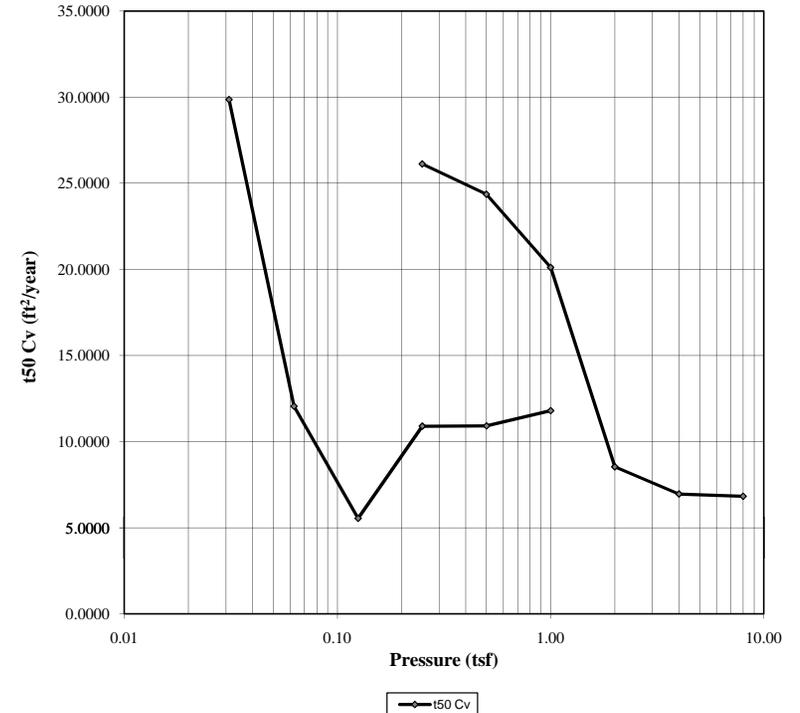
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	86	Test Date:	16 June 11
Moisture (%):	63.33	37.44	Plastic Limits:	29		
Dry Density (pcf):	60.00	88.66	Plasticity Index (%):	57		
Saturation (%):	110.04	156.50				
Void Ratio:	1.2342	0.4171	Specific Gravity:	2.151	Measured	
Soil Description:	Gray clay with organic matter (CH)					
Sample Number:	16715-020-00	Depth:	14 - 16 feet	Remarks:		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	86	Test Date:	16 June 11
Moisture (%):	63.33	37.44	Plastic Limits:	29		
Dry Density (pcf):	60.00	88.66	Plasticity Index (%):	57		
Saturation (%):	110.04	156.50				
Void Ratio:	1.2342	0.4171	Specific Gravity:	2.151	Measured	
Soil Description:	Gray clay with organic matter (CH)					
Sample Number:	16715-020-00	Depth:	14 - 16 feet	Remarks:		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)
 Location: 11-21
 Job Number: 11-21

Project Number: 16715-020-00

Sample Number: 13
 Boring Number: 14 - 16 feet
 Depth: Undisturbed
 Sample Type:

Sample Description: Gray clay with organic matter (CH)
 Remarks:

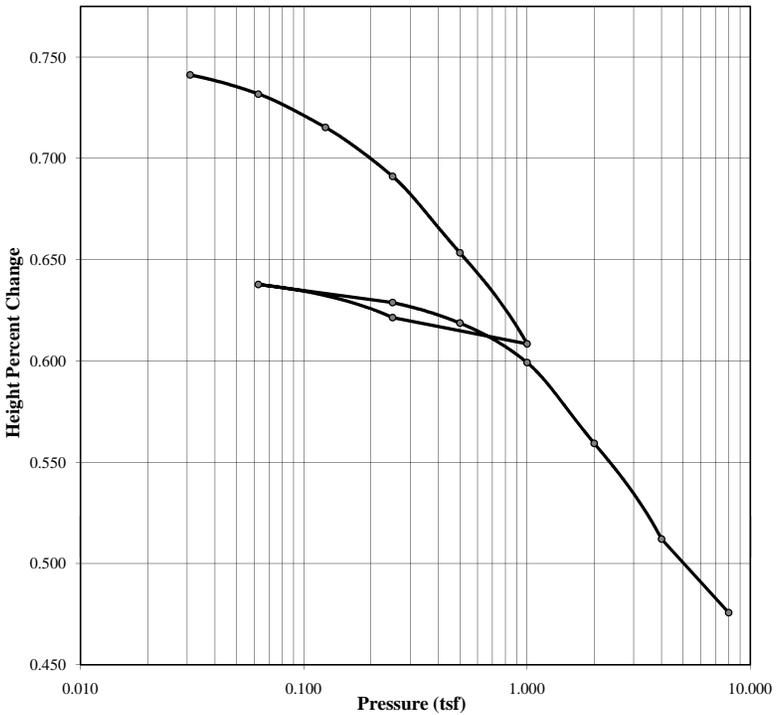
Test Number: 16 June 11
 Test Date:

Index	Load Sequence (tsf)	Cumulative Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t150 Fitting Time (min)	q90 Cv (t/2/year)	q150 Cv (t/2/year)
0	0.000	0.0000	0.2500	0.4143	0.00	1.2339	0.000	0.000	0.000	0.000
1	0.031	0.0088	0.7412	0.4055	1.17	1.2077	15.356	3.308	27.683	29.857
2	0.063	0.0183	0.7317	0.3960	2.44	1.1794	5.563	7.986	74.478	12.052
3	0.125	0.0347	0.7153	0.3796	4.63	1.1306	18.605	16.603	21.280	5.540
4	0.250	0.0589	0.6911	0.3554	7.85	1.0585	16.876	7.881	21.990	10.894
5	0.500	0.0966	0.6534	0.3177	12.88	0.9462	15.678	7.037	21.072	10.907
6	1.000	0.1416	0.6084	0.2727	18.88	0.8122	18.219	5.642	15.721	11.793
7	0.250	0.1286	0.6214	0.2857	17.15	0.8509	0.000	0.000	0.000	0.000
8	0.063	0.1123	0.6377	0.3020	14.97	0.8994	0.000	0.000	0.000	0.000
9	0.250	0.1212	0.6288	0.2951	16.16	0.8729	7.091	2.720	43.145	26.127
10	0.500	0.1313	0.6187	0.2830	17.51	0.8428	4.333	2.824	68.362	24.364
11	1.000	0.1508	0.5992	0.2635	20.11	0.7848	7.578	3.209	36.662	20.116
12	2.000	0.1907	0.5593	0.2236	25.43	0.6659	15.352	6.589	15.767	8.534
13	4.000	0.2379	0.5121	0.1764	31.72	0.5253	12.137	6.776	16.720	6.957
14	8.000	0.2743	0.4757	0.1400	36.57	0.4169	7.941	5.961	22.051	6.824

Predicted value indicated with *



Consolidation Test Test Results



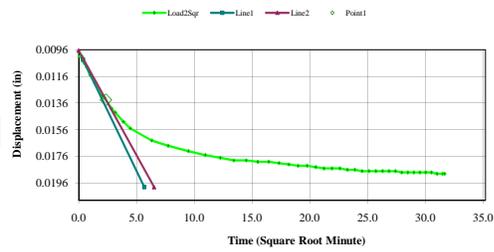
	Before	After	Liquid Limits:	86	Test Date:	16 June 11
Moisture (%):	63.33	37.44	Plastic Limits:	29		
Dry Density (pcf):	60.00	88.66	Plasticity Index (%):	57		
Saturation (%):	110.04	156.50				
Void Ratio:	1.2342	0.4171	Specific Gravity:	2.151	Measured	
Soil Description:	Gray clay with organic matter (CH)					
Sample Number:	16715-020-00	Depth:	14 - 16 feet			
Sample Number:	Boring Number: 13		Remarks:			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results (Sequence 2) Load 0.063 tsf	Consolidation Test Results (Sequence 2) Load 0.063 tsf
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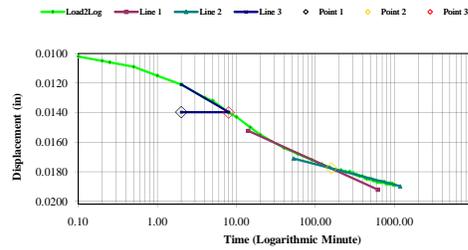
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 13 Gray clay with organic matter (CH)
Depth: 14 - 16 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0094	0.0088	1.1733	1.2080
1	00:00:01	0.0101	0.0095	1.2667	1.2059
2	00:00:02	0.0101	0.0095	1.2667	1.2059
3	00:00:03	0.0101	0.0095	1.2667	1.2059
4	00:00:04	0.0101	0.0095	1.2667	1.2059
5	00:00:05	0.0102	0.0096	1.2800	1.2056
6	00:00:06	0.0102	0.0096	1.2800	1.2056
7	00:00:12	0.0105	0.0099	1.3200	1.2047
8	00:00:15	0.0106	0.0100	1.3333	1.2044
9	00:00:30	0.0109	0.0103	1.3733	1.2035
10	00:01:00	0.0115	0.0109	1.4533	1.2017
11	00:02:00	0.0121	0.0115	1.5333	1.1999
12	00:04:01	0.0130	0.0124	1.6533	1.1973
13	00:05:01	0.0132	0.0126	1.6800	1.1967
14	00:08:01	0.0140	0.0134	1.7867	1.1943
15	00:10:01	0.0143	0.0137	1.8267	1.1934
16	00:15:01	0.0150	0.0144	1.9200	1.1913
17	00:20:02	0.0155	0.0149	1.9867	1.1898
18	00:40:03	0.0164	0.0158	2.1067	1.1871
19	01:00:05	0.0168	0.0162	2.1600	1.1859
20	01:30:07	0.0172	0.0166	2.2133	1.1847
21	02:00:09	0.0175	0.0169	2.2533	1.1838
22	02:30:12	0.0177	0.0171	2.2800	1.1833
23	03:00:14	0.0179	0.0173	2.3067	1.1827
24	03:30:16	0.0179	0.0173	2.3067	1.1827
25	04:00:18	0.0180	0.0174	2.3200	1.1824
26	04:30:21	0.0180	0.0174	2.3200	1.1824
27	05:00:23	0.0181	0.0175	2.3333	1.1821
28	05:30:25	0.0182	0.0176	2.3467	1.1818
29	06:00:28	0.0183	0.0177	2.3600	1.1815
30	06:30:30	0.0183	0.0177	2.3600	1.1815
31	07:00:32	0.0184	0.0178	2.3733	1.1812
32	07:30:34	0.0185	0.0179	2.3867	1.1809
33	08:00:37	0.0185	0.0179	2.3867	1.1809
34	08:30:39	0.0185	0.0179	2.3867	1.1809
35	09:00:41	0.0186	0.0180	2.4000	1.1806
36	09:30:44	0.0186	0.0180	2.4000	1.1806

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



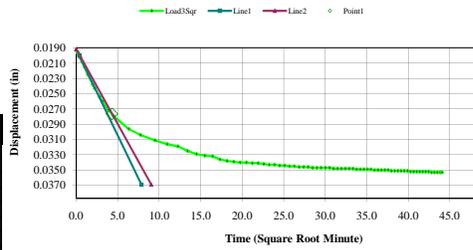
37	10:00:46	0.0187	0.0181	2.4133	1.1803
38	10:30:48	0.0187	0.0181	2.4133	1.1803
39	11:00:51	0.0187	0.0181	2.4133	1.1803
40	11:30:53	0.0187	0.0181	2.4133	1.1803
41	12:00:55	0.0187	0.0181	2.4133	1.1803
42	12:30:57	0.0187	0.0181	2.4133	1.1803
43	13:01:00	0.0188	0.0182	2.4267	1.1800
44	13:31:02	0.0188	0.0182	2.4267	1.1800
45	14:01:04	0.0188	0.0182	2.4267	1.1800
46	14:31:06	0.0188	0.0182	2.4267	1.1800
47	15:01:09	0.0188	0.0182	2.4267	1.1800
48	15:31:11	0.0188	0.0182	2.4267	1.1800
49	16:01:13	0.0189	0.0183	2.4400	1.1797
50	16:31:16	0.0189	0.0183	2.4400	1.1797
51	16:41:30	0.0189	0.0183	2.4400	1.1797

Consolidation Test Results (Sequence 3) Load 0.125 tsf	Consolidation Test Results (Sequence 3) Load 0.125 tsf
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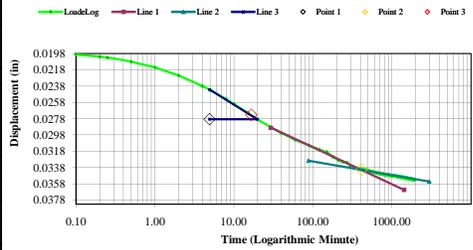
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 13 Gray clay with organic matter (CH)
Depth: 14 - 16 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0189	0.0183	2.4400	1.1797
1	00:00:01	0.0195	0.0189	2.5200	1.1779
2	00:00:02	0.0196	0.0190	2.5333	1.1776
3	00:00:03	0.0197	0.0191	2.5467	1.1773
4	00:00:04	0.0198	0.0192	2.5600	1.1770
5	00:00:05	0.0199	0.0193	2.5733	1.1767
6	00:00:06	0.0199	0.0193	2.5733	1.1767
7	00:00:12	0.0202	0.0196	2.6133	1.1758
8	00:00:15	0.0203	0.0197	2.6267	1.1755
9	00:00:30	0.0208	0.0202	2.6933	1.1740
10	00:01:00	0.0215	0.0209	2.7867	1.1719
11	00:02:00	0.0225	0.0219	2.9200	1.1690
12	00:04:00	0.0238	0.0232	3.0933	1.1651
13	00:05:00	0.0243	0.0237	3.1600	1.1636
14	00:08:00	0.0254	0.0248	3.3067	1.1603
15	00:10:00	0.0260	0.0254	3.3867	1.1585
16	00:15:00	0.0271	0.0265	3.5333	1.1552
17	00:20:00	0.0279	0.0273	3.6400	1.1529
18	00:40:00	0.0296	0.0290	3.8667	1.1478
19	00:59:59	0.0304	0.0298	3.9733	1.1454
20	01:29:59	0.0311	0.0305	4.0667	1.1433
21	01:59:59	0.0316	0.0310	4.1333	1.1418
22	02:29:58	0.0319	0.0313	4.1733	1.1410
23	02:59:58	0.0325	0.0319	4.2533	1.1392
24	03:29:57	0.0329	0.0323	4.3067	1.1380
25	03:59:57	0.0331	0.0325	4.3333	1.1374
26	04:29:57	0.0332	0.0326	4.3467	1.1371
27	04:59:56	0.0336	0.0330	4.4000	1.1359
28	05:29:56	0.0338	0.0332	4.4267	1.1353
29	05:59:58	0.0339	0.0333	4.4400	1.1350
30	06:30:00	0.0340	0.0334	4.4533	1.1347
31	07:00:02	0.0340	0.0334	4.4533	1.1347
32	07:30:04	0.0341	0.0335	4.4667	1.1344
33	08:00:07	0.0341	0.0335	4.4667	1.1344
34	08:30:09	0.0342	0.0336	4.4800	1.1341
35	09:00:11	0.0343	0.0337	4.4933	1.1338
36	09:30:13	0.0343	0.0337	4.4933	1.1338

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



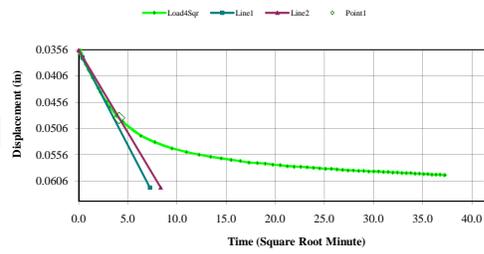
37	10:00:16	0.0344	0.0338	4.5067	1.1335
38	10:30:18	0.0344	0.0338	4.5067	1.1335
39	11:00:20	0.0345	0.0339	4.5200	1.1332
40	11:30:23	0.0345	0.0339	4.5200	1.1332
41	12:00:25	0.0346	0.0340	4.5333	1.1329
42	12:30:27	0.0346	0.0340	4.5333	1.1329
43	13:00:29	0.0346	0.0340	4.5333	1.1329
44	13:30:32	0.0347	0.0341	4.5467	1.1326
45	14:00:34	0.0347	0.0341	4.5467	1.1326
46	14:30:36	0.0347	0.0341	4.5467	1.1326
47	15:00:39	0.0347	0.0341	4.5467	1.1326
48	15:30:41	0.0347	0.0341	4.5467	1.1326
49	16:00:43	0.0348	0.0342	4.5600	1.1323
50	16:30:45	0.0348	0.0342	4.5600	1.1323
51	17:00:48	0.0348	0.0342	4.5600	1.1323
52	17:30:50	0.0348	0.0342	4.5600	1.1323
53	18:00:52	0.0348	0.0342	4.5600	1.1323
54	18:30:54	0.0348	0.0342	4.5600	1.1323
55	19:00:57	0.0349	0.0343	4.5733	1.1320
56	19:30:59	0.0349	0.0343	4.5733	1.1320
57	20:01:01	0.0349	0.0343	4.5733	1.1320
58	20:31:03	0.0349	0.0343	4.5733	1.1320
59	21:01:05	0.0349	0.0343	4.5733	1.1320
60	21:31:08	0.0350	0.0344	4.5867	1.1317
61	22:01:10	0.0350	0.0344	4.5867	1.1317
62	22:31:12	0.0350	0.0344	4.5867	1.1317
63	23:01:15	0.0350	0.0344	4.5867	1.1317
64	23:31:17	0.0350	0.0344	4.5867	1.1317
65	24:01:19	0.0351	0.0345	4.6000	1.1314
66	24:31:22	0.0351	0.0345	4.6000	1.1314
67	25:01:24	0.0351	0.0345	4.6000	1.1314
68	25:31:26	0.0351	0.0345	4.6000	1.1314
69	26:01:28	0.0351	0.0345	4.6000	1.1314
70	26:31:31	0.0351	0.0345	4.6000	1.1314
71	27:01:33	0.0352	0.0346	4.6133	1.1311
72	27:31:35	0.0352	0.0346	4.6133	1.1311
73	28:01:37	0.0352	0.0346	4.6133	1.1311
74	28:31:40	0.0352	0.0346	4.6133	1.1311
75	29:01:42	0.0352	0.0346	4.6133	1.1311
76	29:31:44	0.0352	0.0346	4.6133	1.1311
77	30:01:47	0.0352	0.0346	4.6133	1.1311
78	30:31:49	0.0353	0.0347	4.6267	1.1308
79	31:01:51	0.0353	0.0347	4.6267	1.1308
80	31:31:54	0.0353	0.0347	4.6267	1.1308
81	32:01:56	0.0353	0.0347	4.6267	1.1308
82	32:22:02	0.0353	0.0347	4.6267	1.1308

Consolidation Test Results (Sequence 4) Load 0.250 tsf	Consolidation Test Results (Sequence 4) Load 0.250 tsf
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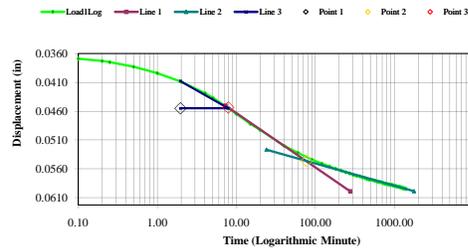
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
 Boring Number: 13 Gray clay with organic matter (CH)
 Depth: 14 - 16 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0353	0.0347	4.6267	1.1308
1	00:00:01	0.0357	0.0351	4.6800	1.1296
2	00:00:02	0.0361	0.0355	4.7333	1.1284
3	00:00:03	0.0363	0.0357	4.7600	1.1278
4	00:00:04	0.0365	0.0359	4.7867	1.1272
5	00:00:05	0.0367	0.0361	4.8133	1.1267
6	00:00:06	0.0369	0.0363	4.8400	1.1261
7	00:00:12	0.0373	0.0367	4.8933	1.1249
8	00:00:15	0.0375	0.0369	4.9200	1.1243
9	00:00:30	0.0383	0.0377	5.0267	1.1219
10	00:01:00	0.0394	0.0388	5.1733	1.1186
11	00:02:00	0.0409	0.0403	5.3733	1.1141
12	00:04:01	0.0429	0.0423	5.6400	1.1082
13	00:05:01	0.0437	0.0431	5.7467	1.1058
14	00:08:01	0.0455	0.0449	5.9867	1.1004
15	00:10:01	0.0465	0.0459	6.1200	1.0975
16	00:15:01	0.0482	0.0476	6.3467	1.0924
17	00:20:02	0.0493	0.0487	6.4933	1.0891
18	00:40:03	0.0520	0.0514	6.8533	1.0811
19	01:00:05	0.0532	0.0526	7.0133	1.0775
20	01:30:07	0.0544	0.0538	7.1733	1.0739
21	02:00:09	0.0551	0.0545	7.2667	1.0718
22	02:30:12	0.0556	0.0550	7.3333	1.0703
23	03:00:14	0.0560	0.0554	7.3867	1.0692
24	03:30:16	0.0563	0.0557	7.4267	1.0683
25	04:00:19	0.0566	0.0560	7.4667	1.0674
26	04:30:21	0.0568	0.0562	7.4933	1.0668
27	05:00:23	0.0571	0.0565	7.5333	1.0659
28	05:30:25	0.0572	0.0566	7.5467	1.0656
29	06:00:28	0.0573	0.0567	7.5600	1.0653
30	06:30:30	0.0575	0.0569	7.5867	1.0647
31	07:00:32	0.0576	0.0570	7.6000	1.0644
32	07:30:35	0.0578	0.0572	7.6267	1.0638
33	08:00:37	0.0579	0.0573	7.6400	1.0635
34	08:30:39	0.0579	0.0573	7.6400	1.0635
35	09:00:41	0.0580	0.0574	7.6533	1.0632
36	09:30:44	0.0581	0.0575	7.6667	1.0629

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



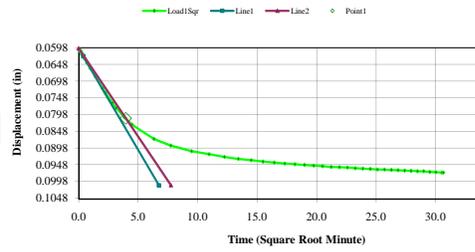
37	10:00:46	0.0582	0.0576	7.6800	1.0626
38	10:30:48	0.0583	0.0577	7.6933	1.0623
39	11:00:51	0.0583	0.0577	7.6933	1.0623
40	11:30:53	0.0584	0.0578	7.7067	1.0620
41	12:00:55	0.0585	0.0579	7.7200	1.0617
42	12:30:57	0.0586	0.0580	7.7333	1.0614
43	13:01:00	0.0586	0.0580	7.7333	1.0614
44	13:31:02	0.0587	0.0581	7.7467	1.0611
45	14:01:04	0.0587	0.0581	7.7467	1.0611
46	14:31:06	0.0588	0.0582	7.7600	1.0608
47	15:01:09	0.0588	0.0582	7.7600	1.0608
48	15:31:11	0.0588	0.0582	7.7600	1.0608
49	16:01:13	0.0589	0.0583	7.7733	1.0605
50	16:31:16	0.0589	0.0583	7.7733	1.0605
51	17:01:18	0.0590	0.0584	7.7867	1.0602
52	17:31:20	0.0590	0.0584	7.7867	1.0602
53	18:01:23	0.0591	0.0585	7.8000	1.0599
54	18:31:25	0.0591	0.0585	7.8000	1.0599
55	19:01:27	0.0591	0.0585	7.8000	1.0599
56	19:31:29	0.0592	0.0586	7.8133	1.0596
57	20:01:32	0.0592	0.0586	7.8133	1.0596
58	20:31:34	0.0593	0.0587	7.8267	1.0593
59	21:01:36	0.0593	0.0587	7.8267	1.0593
60	21:31:39	0.0594	0.0588	7.8400	1.0590
61	22:01:41	0.0594	0.0588	7.8400	1.0590
62	22:31:43	0.0594	0.0588	7.8400	1.0590
63	23:01:45	0.0595	0.0589	7.8533	1.0587
64	23:08:10	0.0595	0.0589	7.8533	1.0587

Consolidation Test Results (Sequence 5) Load 0.500 tsf	Consolidation Test Results (Sequence 5) Load 0.500 tsf
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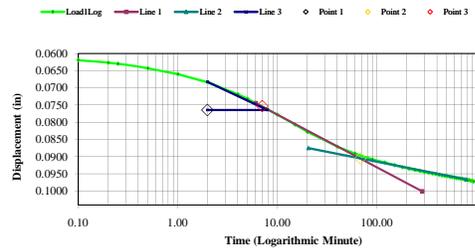
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 13 Gray clay with organic matter (CH)
Depth: 14 - 16 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0595	0.0589	7.8533	1.0587
1	00:00:01	0.0605	0.0599	7.9867	1.0558
2	00:00:02	0.0609	0.0603	8.0400	1.0546
3	00:00:03	0.0613	0.0607	8.0933	1.0534
4	00:00:04	0.0616	0.0610	8.1333	1.0525
5	00:00:05	0.0618	0.0612	8.1600	1.0519
6	00:00:06	0.0619	0.0613	8.1733	1.0516
7	00:00:12	0.0627	0.0621	8.2800	1.0492
8	00:00:15	0.0630	0.0624	8.3200	1.0483
9	00:00:30	0.0643	0.0637	8.4933	1.0444
10	00:01:00	0.0660	0.0654	8.7200	1.0394
11	00:02:00	0.0684	0.0678	9.0400	1.0322
12	00:04:00	0.0719	0.0713	9.5067	1.0218
13	00:05:00	0.0732	0.0726	9.6800	1.0179
14	00:08:00	0.0763	0.0757	10.0933	1.0087
15	00:10:00	0.0778	0.0772	10.2933	1.0042
16	00:15:01	0.0807	0.0801	10.6800	0.9956
17	00:20:01	0.0838	0.0832	10.9600	0.9893
18	00:40:03	0.0871	0.0865	11.5333	0.9765
19	01:00:04	0.0891	0.0885	11.8000	0.9706
20	01:30:06	0.0908	0.0902	12.0267	0.9655
21	02:00:09	0.0917	0.0911	12.1467	0.9628
22	02:30:11	0.0925	0.0919	12.2533	0.9604
23	03:00:13	0.0931	0.0925	12.3333	0.9586
24	03:30:16	0.0935	0.0929	12.3867	0.9574
25	04:00:18	0.0939	0.0933	12.4400	0.9563
26	04:30:20	0.0942	0.0936	12.4800	0.9554
27	05:00:22	0.0945	0.0939	12.5200	0.9545
28	05:30:25	0.0947	0.0941	12.5467	0.9539
29	06:00:27	0.0949	0.0943	12.5733	0.9533
30	06:30:29	0.0951	0.0945	12.6000	0.9527
31	07:00:31	0.0953	0.0947	12.6267	0.9521
32	07:30:34	0.0955	0.0949	12.6533	0.9515
33	08:00:36	0.0956	0.0950	12.6667	0.9512
34	08:30:38	0.0957	0.0951	12.6800	0.9509
35	09:00:41	0.0959	0.0953	12.7067	0.9503
36	09:30:43	0.0960	0.0954	12.7200	0.9500

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:45	0.0961	0.0955	12.7333	0.9497
38	10:30:48	0.0963	0.0957	12.7600	0.9491
39	11:00:50	0.0963	0.0957	12.7600	0.9491
40	11:30:52	0.0964	0.0958	12.7733	0.9488
41	12:00:54	0.0965	0.0959	12.7867	0.9485
42	12:30:57	0.0966	0.0960	12.8000	0.9482
43	13:00:59	0.0967	0.0961	12.8133	0.9479
44	13:31:01	0.0968	0.0962	12.8267	0.9476
45	14:01:03	0.0968	0.0962	12.8267	0.9476
46	14:31:06	0.0970	0.0964	12.8533	0.9470
47	15:01:08	0.0971	0.0965	12.8667	0.9467
48	15:31:10	0.0972	0.0966	12.8800	0.9464
49	15:39:32	0.0972	0.0966	12.8800	0.9464

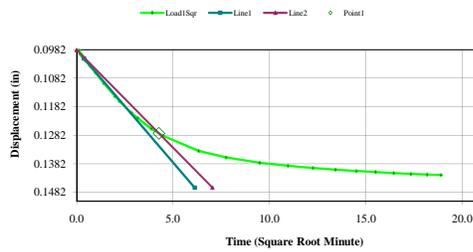
Consolidation Test Results (Sequence 6) Load 1.000 tsf	Consolidation Test Results (Sequence 6) Load 1.000 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 13 Gray clay with organic matter (CH)
Depth: 14 - 16 feet **Remarks:**
Sample Type: Undisturbed

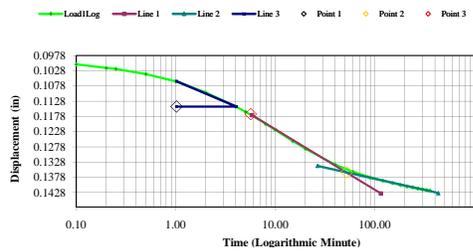
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0972	0.0966	12.8800	0.9464
1	00:00:01	0.0985	0.0979	13.0533	0.9426
2	00:00:02	0.0995	0.0989	13.1867	0.9396
3	00:00:03	0.0999	0.0993	13.2400	0.9384
4	00:00:04	0.1003	0.0997	13.2933	0.9372
5	00:00:05	0.1004	0.0998	13.3067	0.9369
6	00:00:06	0.1007	0.1001	13.3467	0.9360
7	00:00:12	0.1019	0.1013	13.5067	0.9324
8	00:00:15	0.1022	0.1016	13.5467	0.9315
9	00:00:30	0.1039	0.1033	13.7733	0.9265
10	00:01:00	0.1063	0.1057	14.0933	0.9193
11	00:02:00	0.1100	0.1094	14.5867	0.9083
12	00:04:00	0.1146	0.1140	15.2000	0.8946
13	00:05:01	0.1163	0.1157	15.4267	0.8895
14	00:08:01	0.1203	0.1197	15.9600	0.8776
15	00:10:01	0.1222	0.1216	16.2133	0.8720
16	00:15:01	0.1259	0.1253	16.7067	0.8669
17	00:20:02	0.1284	0.1278	17.0400	0.8535
18	00:40:03	0.1337	0.1331	17.7467	0.8377
19	01:00:05	0.1360	0.1354	18.0533	0.8308
20	01:30:07	0.1379	0.1373	18.3067	0.8252
21	02:00:09	0.1389	0.1383	18.4400	0.8222
22	02:30:12	0.1397	0.1391	18.5467	0.8198
23	03:00:14	0.1403	0.1397	18.6267	0.8180
24	03:30:16	0.1408	0.1402	18.6933	0.8165
25	04:00:18	0.1411	0.1405	18.7333	0.8157
26	04:30:21	0.1415	0.1409	18.7867	0.8145
27	05:00:23	0.1418	0.1412	18.8267	0.8136
28	05:30:25	0.1420	0.1414	18.8533	0.8130
29	05:56:46	0.1422	0.1416	18.8800	0.8124

Tested By: Checked By:

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

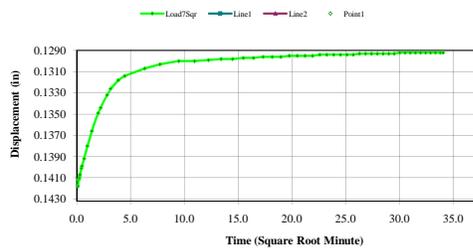


Consolidation Test Results (Sequence 7) Rebound 0.250 tsf	Consolidation Test Results (Sequence 7) Rebound 0.250 tsf
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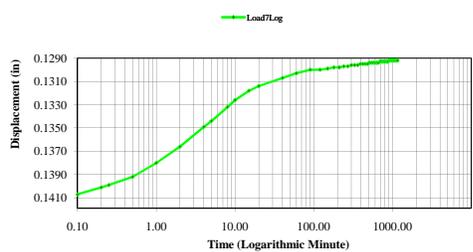
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 13 Gray clay with organic matter (CH)
Depth: 14 - 16 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1422	0.1416	18.8800	0.8124
1	00:00:01	0.1418	0.1412	18.8267	0.8136
2	00:00:02	0.1412	0.1406	18.7467	0.8154
3	00:00:03	0.1411	0.1405	18.7333	0.8157
4	00:00:04	0.1410	0.1404	18.7200	0.8159
5	00:00:05	0.1408	0.1402	18.6933	0.8165
6	00:00:06	0.1407	0.1401	18.6800	0.8168
7	00:00:12	0.1401	0.1395	18.6000	0.8186
8	00:00:15	0.1399	0.1393	18.5733	0.8192
9	00:00:30	0.1392	0.1386	18.4800	0.8213
10	00:01:00	0.1380	0.1374	18.3200	0.8249
11	00:02:00	0.1366	0.1360	18.1333	0.8291
12	00:04:01	0.1349	0.1343	17.9067	0.8341
13	00:05:01	0.1344	0.1338	17.8400	0.8356
14	00:08:01	0.1332	0.1326	17.6800	0.8392
15	00:10:01	0.1326	0.1320	17.6000	0.8410
16	00:15:01	0.1318	0.1312	17.4933	0.8434
17	00:20:02	0.1314	0.1308	17.4400	0.8445
18	00:40:03	0.1307	0.1301	17.3467	0.8466
19	01:00:05	0.1303	0.1297	17.2933	0.8478
20	01:30:07	0.1300	0.1294	17.2533	0.8487
21	02:00:09	0.1300	0.1294	17.2533	0.8487
22	02:30:12	0.1299	0.1293	17.2400	0.8490
23	03:00:14	0.1298	0.1292	17.2267	0.8493
24	03:30:16	0.1298	0.1292	17.2267	0.8493
25	04:00:19	0.1297	0.1291	17.2133	0.8496
26	04:30:21	0.1297	0.1291	17.2133	0.8496
27	05:00:23	0.1296	0.1290	17.2000	0.8499
28	05:30:25	0.1296	0.1290	17.2000	0.8499
29	06:00:28	0.1296	0.1290	17.2000	0.8499
30	06:30:30	0.1295	0.1289	17.1867	0.8502
31	07:00:32	0.1295	0.1289	17.1867	0.8502
32	07:30:34	0.1295	0.1289	17.1867	0.8502
33	08:00:37	0.1295	0.1289	17.1867	0.8502
34	08:30:39	0.1294	0.1288	17.1733	0.8505
35	09:00:41	0.1294	0.1288	17.1733	0.8505
36	09:30:44	0.1294	0.1288	17.1733	0.8505

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:46	0.1294	0.1288	17.1733	0.8505
38	10:30:48	0.1294	0.1288	17.1733	0.8505
39	11:00:51	0.1294	0.1288	17.1733	0.8505
40	11:30:53	0.1293	0.1287	17.1600	0.8508
41	12:00:55	0.1293	0.1287	17.1600	0.8508
42	12:30:57	0.1293	0.1287	17.1600	0.8508
43	13:01:00	0.1293	0.1287	17.1600	0.8508
44	13:31:02	0.1293	0.1287	17.1600	0.8508
45	14:01:04	0.1293	0.1287	17.1600	0.8508
46	14:31:07	0.1293	0.1287	17.1600	0.8508
47	15:01:09	0.1292	0.1286	17.1467	0.8511
48	15:31:11	0.1292	0.1286	17.1467	0.8511
49	16:01:14	0.1292	0.1286	17.1467	0.8511
50	16:31:16	0.1292	0.1286	17.1467	0.8511
51	17:01:18	0.1292	0.1286	17.1467	0.8511
52	17:31:20	0.1292	0.1286	17.1467	0.8511
53	18:01:23	0.1292	0.1286	17.1467	0.8511
54	18:31:25	0.1292	0.1286	17.1467	0.8511
55	19:01:27	0.1292	0.1286	17.1467	0.8511
56	19:19:19	0.1292	0.1286	17.1467	0.8511

Consolidation Test Results (Sequence 8) Rebound 0.063 tsf						Consolidation Test Results (Sequence 8) Rebound 0.063 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			<p>Consolidation Graph (Square-root Time)</p> <p>Consolidation Graph (Logarithmic Time)</p>					
Location:			Test Date: 16 June 11								
Job Number: 11-21			Test Number:								
Sample Number:			Soil Description: Gray clay with organic matter (CH)								
Boring Number: 13			Remarks:								
Depth: 14 - 16 feet			Sample Type: Undisturbed								
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.1292	0.1286	17.1467	0.8511						
1	00:00:01	0.1287	0.1281	17.0800	0.8526						
2	00:00:02	0.1286	0.1280	17.0667	0.8529						
3	00:00:03	0.1286	0.1280	17.0667	0.8529						
4	00:00:04	0.1285	0.1279	17.0533	0.8532						
5	00:00:05	0.1284	0.1278	17.0400	0.8535						
6	00:00:06	0.1284	0.1278	17.0400	0.8535						
7	00:00:12	0.1282	0.1276	17.0133	0.8541						
8	00:00:15	0.1281	0.1275	17.0000	0.8544						
9	00:00:30	0.1276	0.1270	16.9333	0.8559						
10	00:01:00	0.1269	0.1263	16.8400	0.8580						
11	00:02:00	0.1260	0.1254	16.7200	0.8606						
12	00:04:00	0.1247	0.1241	16.5467	0.8645						
13	00:05:00	0.1242	0.1236	16.4800	0.8660						
14	00:08:00	0.1230	0.1224	16.3200	0.8696						
15	00:10:01	0.1224	0.1218	16.2400	0.8714						
16	00:15:01	0.1211	0.1205	16.0667	0.8752						
17	00:20:01	0.1203	0.1197	15.9600	0.8776						
18	00:40:03	0.1181	0.1175	15.6667	0.8842						
19	01:00:04	0.1171	0.1165	15.5333	0.8871						
20	01:30:07	0.1163	0.1157	15.4267	0.8895						
21	02:00:09	0.1156	0.1150	15.3333	0.8916						
22	02:30:11	0.1153	0.1147	15.2933	0.8925						
23	03:00:13	0.1150	0.1144	15.2533	0.8934						
24	03:30:16	0.1148	0.1142	15.2267	0.8940						
25	04:00:18	0.1147	0.1141	15.2133	0.8943						
26	04:30:20	0.1145	0.1139	15.1867	0.8949						
27	05:00:23	0.1144	0.1138	15.1733	0.8952						
28	05:30:25	0.1142	0.1136	15.1467	0.8958						
29	06:00:27	0.1141	0.1135	15.1333	0.8961						
30	06:30:29	0.1140	0.1134	15.1200	0.8964						
31	07:00:32	0.1140	0.1134	15.1200	0.8964						
32	07:30:34	0.1139	0.1133	15.1067	0.8967						
33	08:00:36	0.1139	0.1133	15.1067	0.8967						
34	08:30:39	0.1138	0.1132	15.0933	0.8970						
35	09:00:41	0.1137	0.1131	15.0800	0.8973						
36	09:30:43	0.1136	0.1130	15.0667	0.8976						

37	10:00:45	0.1136	0.1130	15.0667	0.8976
38	10:30:48	0.1135	0.1129	15.0533	0.8979
39	11:00:50	0.1135	0.1129	15.0533	0.8979
40	11:30:52	0.1134	0.1128	15.0400	0.8982
41	12:00:54	0.1134	0.1128	15.0400	0.8982
42	12:30:57	0.1133	0.1127	15.0267	0.8985
43	13:00:59	0.1133	0.1127	15.0267	0.8985
44	13:31:01	0.1132	0.1126	15.0133	0.8988
45	14:01:04	0.1132	0.1126	15.0133	0.8988
46	14:31:06	0.1132	0.1126	15.0133	0.8988
47	15:01:08	0.1132	0.1126	15.0133	0.8988
48	15:31:11	0.1132	0.1126	15.0133	0.8988
49	16:01:13	0.1131	0.1125	15.0000	0.8991
50	16:31:15	0.1131	0.1125	15.0000	0.8991
51	17:01:17	0.1131	0.1125	15.0000	0.8991
52	17:31:20	0.1131	0.1125	15.0000	0.8991
53	18:01:22	0.1131	0.1125	15.0000	0.8991
54	18:31:24	0.1131	0.1125	15.0000	0.8991
55	19:01:27	0.1130	0.1124	14.9867	0.8994
56	19:31:29	0.1130	0.1124	14.9867	0.8994
57	20:01:31	0.1130	0.1124	14.9867	0.8994
58	20:31:33	0.1129	0.1123	14.9733	0.8997
59	21:01:36	0.1129	0.1123	14.9733	0.8997
60	21:31:38	0.1129	0.1123	14.9733	0.8997
61	22:01:40	0.1129	0.1123	14.9733	0.8997
62	22:31:44	0.1129	0.1123	14.9733	0.8997

Consolidation Test Results (Sequence 9) Load 0.250 tsf						Consolidation Test Results (Sequence 9) Load 0.250 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)						Project Number: 16715-020-00					
Location:						Test Date: 16 June 11					
Job Number: 11-21						Test Number:					
Sample Number:			Soil Description:								
Boring Number: 13			Gray clay with organic matter (CH)								
Depth: 14 - 16 feet			Remarks:								
Sample Type: Undisturbed											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.1129	0.1123	14.9733	0.8997						
1	00:00:01	0.1132	0.1126	15.0133	0.8988						
2	00:00:02	0.1133	0.1127	15.0267	0.8985						
3	00:00:03	0.1134	0.1128	15.0400	0.8982						
4	00:00:04	0.1135	0.1129	15.0533	0.8979						
5	00:00:05	0.1136	0.1130	15.0667	0.8976						
6	00:00:06	0.1136	0.1130	15.0667	0.8976						
7	00:00:12	0.1139	0.1133	15.1067	0.8967						
8	00:00:15	0.1140	0.1134	15.1200	0.8964						
9	00:00:30	0.1146	0.1140	15.2000	0.8946						
10	00:01:00	0.1153	0.1147	15.2933	0.8925						
11	00:02:00	0.1163	0.1157	15.4267	0.8895						
12	00:04:00	0.1175	0.1169	15.5867	0.8860						
13	00:05:00	0.1179	0.1173	15.6400	0.8848						
14	00:08:01	0.1188	0.1182	15.7600	0.8821						
15	00:10:01	0.1193	0.1187	15.8267	0.8806						
16	00:15:01	0.1200	0.1194	15.9200	0.8785						
17	00:20:02	0.1203	0.1197	15.9600	0.8776						
18	00:40:03	0.1210	0.1204	16.0533	0.8755						
19	01:00:05	0.1212	0.1206	16.0800	0.8749						
20	01:30:07	0.1213	0.1207	16.0933	0.8746						
21	02:00:09	0.1215	0.1209	16.1200	0.8740						
22	02:30:11	0.1216	0.1210	16.1333	0.8737						
23	03:00:14	0.1217	0.1211	16.1467	0.8734						
24	03:30:16	0.1217	0.1211	16.1467	0.8734						
25	04:00:18	0.1218	0.1212	16.1600	0.8731						
26	04:30:20	0.1218	0.1212	16.1600	0.8731						
27	04:47:43	0.1218	0.1212	16.1600	0.8731						
Tested By:						Checked By:					

Consolidation Graph (Squareroot Time)

Consolidation Graph (Logarithmic Time)

Consolidation Test Results
(Sequence 10) Load 0.500 tsf

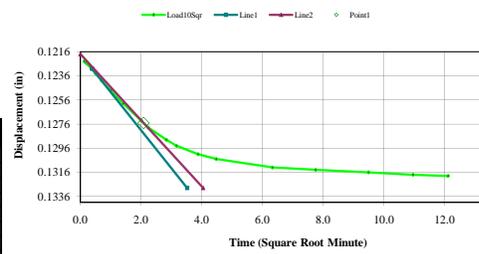
Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 16 June 11
 Sample Number: Soil Description: Gray clay with organic matter (CH)
 Boring Number: 13 Depth: 14 - 16 feet Remarks:
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1218	0.1212	16.1600	0.8731
1	00:00:01	0.1224	0.1218	16.2400	0.8714
2	00:00:02	0.1225	0.1219	16.2533	0.8711
3	00:00:03	0.1226	0.1220	16.2667	0.8708
4	00:00:04	0.1226	0.1220	16.2667	0.8708
5	00:00:05	0.1227	0.1221	16.2800	0.8705
6	00:00:06	0.1228	0.1222	16.2933	0.8702
7	00:00:12	0.1232	0.1226	16.3467	0.8690
8	00:00:15	0.1234	0.1228	16.3733	0.8684
9	00:00:30	0.1240	0.1234	16.4533	0.8666
10	00:01:00	0.1248	0.1242	16.5600	0.8642
11	00:02:00	0.1259	0.1253	16.7067	0.8609
12	00:04:00	0.1273	0.1267	16.8933	0.8568
13	00:05:01	0.1279	0.1273	16.9733	0.8550
14	00:08:01	0.1289	0.1283	17.1067	0.8520
15	00:10:01	0.1294	0.1288	17.1733	0.8505
16	00:15:01	0.1301	0.1295	17.2667	0.8484
17	00:20:02	0.1305	0.1299	17.3200	0.8472
18	00:40:03	0.1312	0.1306	17.4133	0.8451
19	01:00:05	0.1314	0.1308	17.4400	0.8445
20	01:30:07	0.1316	0.1310	17.4667	0.8440
21	02:00:09	0.1318	0.1312	17.4933	0.8434
22	02:26:46	0.1319	0.1313	17.5067	0.8431

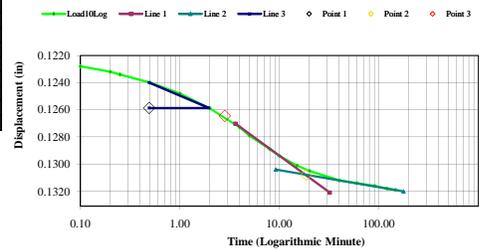
Tested By: Checked By:

Consolidation Test Results
(Sequence 10) Load 0.500 tsf

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



Consolidation Test Results
(Sequence 11) Load 1.000 tsf

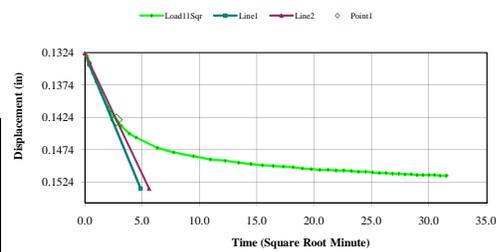
Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 16 June 11
 Sample Number: Soil Description: Gray clay with organic matter (CH)
 Boring Number: 13 Depth: 14 - 16 feet Remarks:
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1319	0.1313	17.5067	0.8431
1	00:00:01	0.1328	0.1322	17.6267	0.8404
2	00:00:02	0.1330	0.1324	17.6533	0.8398
3	00:00:03	0.1333	0.1327	17.6933	0.8389
4	00:00:04	0.1336	0.1330	17.7333	0.8380
5	00:00:05	0.1337	0.1331	17.7467	0.8377
6	00:00:06	0.1338	0.1332	17.7600	0.8374
7	00:00:12	0.1345	0.1339	17.8533	0.8353
8	00:00:15	0.1346	0.1340	17.8667	0.8350
9	00:00:30	0.1356	0.1350	18.0000	0.8320
10	00:01:00	0.1369	0.1363	18.1733	0.8282
11	00:02:01	0.1386	0.1380	18.4000	0.8231
12	00:04:01	0.1408	0.1402	18.6933	0.8165
13	00:05:01	0.1415	0.1409	18.7867	0.8145
14	00:08:01	0.1430	0.1424	18.9867	0.8100
15	00:10:01	0.1437	0.1431	19.0800	0.8079
16	00:15:02	0.1449	0.1443	19.2400	0.8043
17	00:20:02	0.1455	0.1449	19.3200	0.8025
18	00:40:03	0.1471	0.1465	19.5333	0.7978
19	01:00:05	0.1478	0.1472	19.6267	0.7957
20	01:30:07	0.1484	0.1478	19.7067	0.7939
21	02:00:09	0.1489	0.1483	19.7733	0.7924
22	02:30:12	0.1491	0.1485	19.8000	0.7918
23	03:00:14	0.1494	0.1488	19.8400	0.7909
24	03:30:16	0.1496	0.1490	19.8667	0.7903
25	04:00:19	0.1498	0.1492	19.8933	0.7897
26	04:30:21	0.1499	0.1493	19.9067	0.7894
27	05:00:23	0.1500	0.1494	19.9200	0.7891
28	05:30:25	0.1501	0.1495	19.9333	0.7888
29	06:00:28	0.1503	0.1497	19.9600	0.7882
30	06:30:30	0.1504	0.1498	19.9733	0.7879
31	07:00:32	0.1505	0.1499	19.9867	0.7877
32	07:30:34	0.1505	0.1499	19.9867	0.7877
33	08:00:37	0.1506	0.1500	20.0000	0.7874
34	08:30:39	0.1506	0.1500	20.0000	0.7874
35	09:00:41	0.1507	0.1501	20.0133	0.7871
36	09:30:44	0.1508	0.1502	20.0267	0.7868

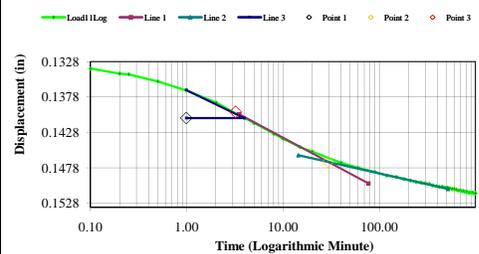
Tested By: Checked By:

Consolidation Test Results
(Sequence 11) Load 1.000 tsf

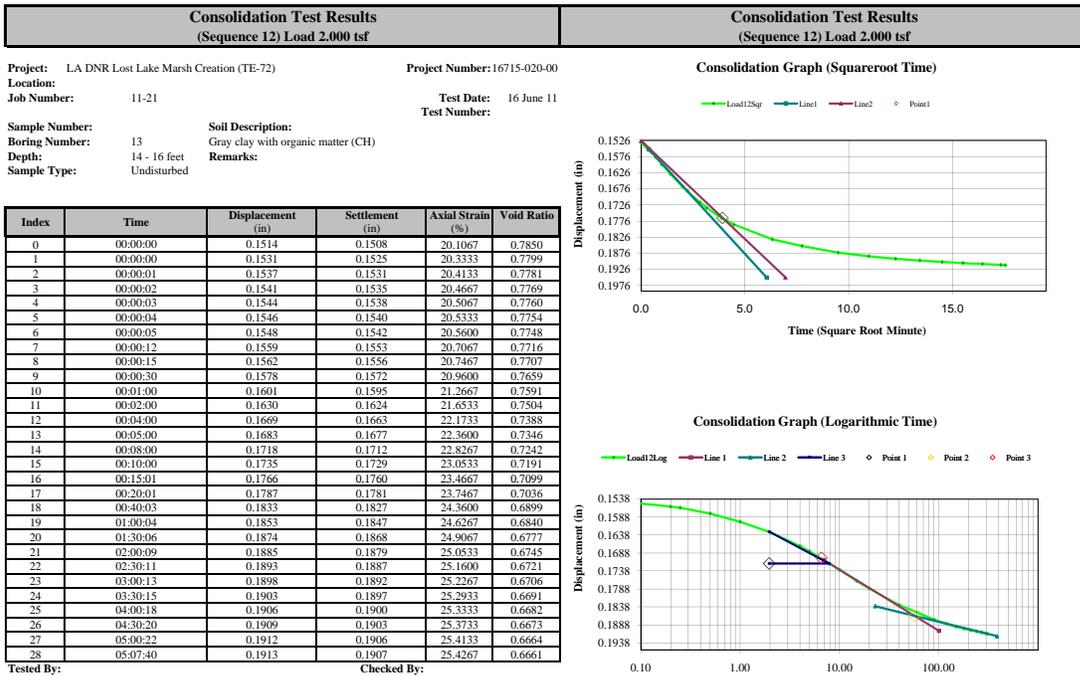
Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:46	0.1508	0.1502	20.0267	0.7868
38	10:30:48	0.1509	0.1503	20.0400	0.7865
39	11:00:51	0.1510	0.1504	20.0533	0.7862
40	11:30:53	0.1510	0.1504	20.0533	0.7862
41	12:00:55	0.1511	0.1505	20.0667	0.7859
42	12:30:57	0.1511	0.1505	20.0667	0.7859
43	13:01:00	0.1512	0.1506	20.0800	0.7856
44	13:31:02	0.1512	0.1506	20.0800	0.7856
45	14:01:04	0.1513	0.1507	20.0933	0.7853
46	14:31:06	0.1513	0.1507	20.0933	0.7853
47	15:01:09	0.1513	0.1507	20.0933	0.7853
48	15:31:11	0.1513	0.1507	20.0933	0.7853
49	16:01:13	0.1514	0.1508	20.1067	0.7850
50	16:31:16	0.1514	0.1508	20.1067	0.7850
51	16:36:06	0.1514	0.1508	20.1067	0.7850



Consolidation Test Results
(Sequence 13) Load 4,000 tsf

Consolidation Test Results
(Sequence 13) Load 4,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

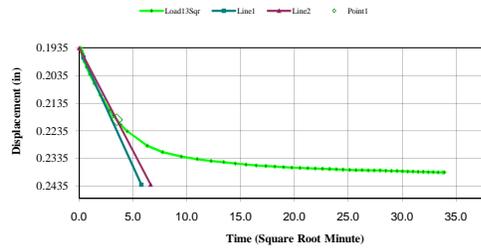
Project Number: 16715-020-00
Test Date: 16 June 11
Test Number:

Sample Number: 13
Boring Number: 14 - 16 feet
Depth: Undisturbed
Sample Type: Undisturbed

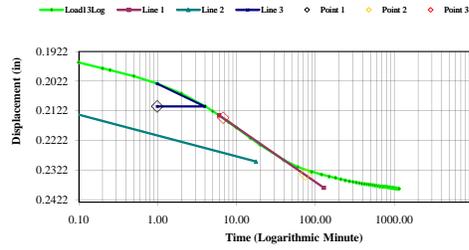
Soil Description:
Gray clay with organic matter (CH)
Remarks:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1913	0.1907	25.4267	0.6661
1	00:00:01	0.1936	0.1930	25.7333	0.6593
2	00:00:02	0.1944	0.1938	25.8400	0.6569
3	00:00:03	0.1948	0.1942	25.8933	0.6557
4	00:00:04	0.1953	0.1947	25.9600	0.6542
5	00:00:05	0.1955	0.1949	25.9867	0.6536
6	00:00:06	0.1959	0.1953	26.0400	0.6524
7	00:00:12	0.1979	0.1973	26.3067	0.6464
8	00:00:15	0.1985	0.1979	26.3867	0.6447
9	00:00:30	0.2005	0.1999	26.6533	0.6387
10	00:01:00	0.2031	0.2025	27.0000	0.6310
11	00:02:00	0.2064	0.2058	27.4400	0.6211
12	00:04:00	0.2107	0.2101	28.0133	0.6083
13	00:05:00	0.2124	0.2118	28.2400	0.6033
14	00:08:00	0.2161	0.2155	28.7333	0.5922
15	00:10:00	0.2179	0.2173	28.9733	0.5869
16	00:15:01	0.2214	0.2208	29.4400	0.5764
17	00:20:01	0.2237	0.2231	29.7467	0.5696
18	00:40:03	0.2289	0.2283	30.4400	0.5541
19	01:00:04	0.2312	0.2306	30.7467	0.5473
20	01:30:06	0.2328	0.2322	30.9600	0.5425
21	02:00:09	0.2337	0.2331	31.0800	0.5398
22	02:30:11	0.2344	0.2338	31.1733	0.5377
23	03:00:13	0.2348	0.2342	31.2267	0.5365
24	03:30:16	0.2353	0.2347	31.2933	0.5350
25	04:00:18	0.2357	0.2351	31.3467	0.5338
26	04:30:20	0.2360	0.2354	31.3867	0.5330
27	05:00:22	0.2362	0.2356	31.4133	0.5324
28	05:30:25	0.2364	0.2358	31.4400	0.5318
29	06:00:27	0.2366	0.2360	31.4667	0.5312
30	06:30:29	0.2368	0.2362	31.4933	0.5306
31	07:00:32	0.2369	0.2363	31.5067	0.5303
32	07:30:34	0.2370	0.2364	31.5200	0.5300
33	08:00:36	0.2371	0.2365	31.5333	0.5297
34	08:30:38	0.2372	0.2366	31.5467	0.5294
35	09:00:41	0.2373	0.2367	31.5600	0.5291
36	09:30:43	0.2374	0.2368	31.5733	0.5288

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:45	0.2375	0.2369	31.5867	0.5285
38	10:30:48	0.2376	0.2370	31.6000	0.5282
39	11:00:50	0.2377	0.2371	31.6133	0.5279
40	11:30:52	0.2377	0.2371	31.6133	0.5279
41	12:00:54	0.2378	0.2372	31.6267	0.5276
42	12:30:57	0.2378	0.2372	31.6267	0.5276
43	13:00:59	0.2378	0.2372	31.6267	0.5276
44	13:31:01	0.2379	0.2373	31.6400	0.5273
45	14:01:03	0.2380	0.2374	31.6533	0.5270
46	14:31:06	0.2380	0.2374	31.6533	0.5270
47	15:01:08	0.2381	0.2375	31.6667	0.5267
48	15:31:10	0.2382	0.2376	31.6800	0.5264
49	16:01:13	0.2382	0.2376	31.6800	0.5264
50	16:31:15	0.2383	0.2377	31.6933	0.5261
51	17:01:17	0.2383	0.2377	31.6933	0.5261
52	17:31:19	0.2384	0.2378	31.7067	0.5258
53	18:01:22	0.2384	0.2378	31.7067	0.5258
54	18:31:24	0.2385	0.2379	31.7200	0.5255
55	19:01:26	0.2385	0.2379	31.7200	0.5255
56	19:09:52	0.2385	0.2379	31.7200	0.5255

Consolidation Test Results
(Sequence 14) Load 8,000 tsf

Consolidation Test Results
(Sequence 14) Load 8,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

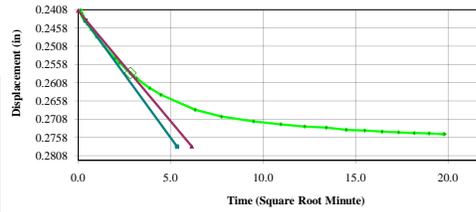
Project Number: 16715-020-00

Consolidation Graph (Square-root Time)

Sample Number: 13 **Soil Description:** Gray clay with organic matter (CH)
Boring Number: 14 - 16 feet **Remarks:**
Depth:
Sample Type: Undisturbed

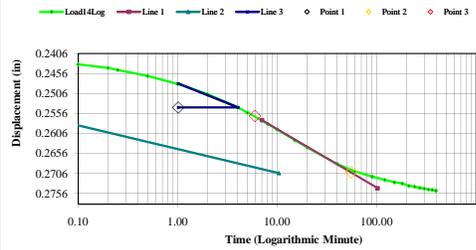
Test Date: 16 June 11
Test Number:

— Load4Sqr — Line1 — Line2 ◊ Point1



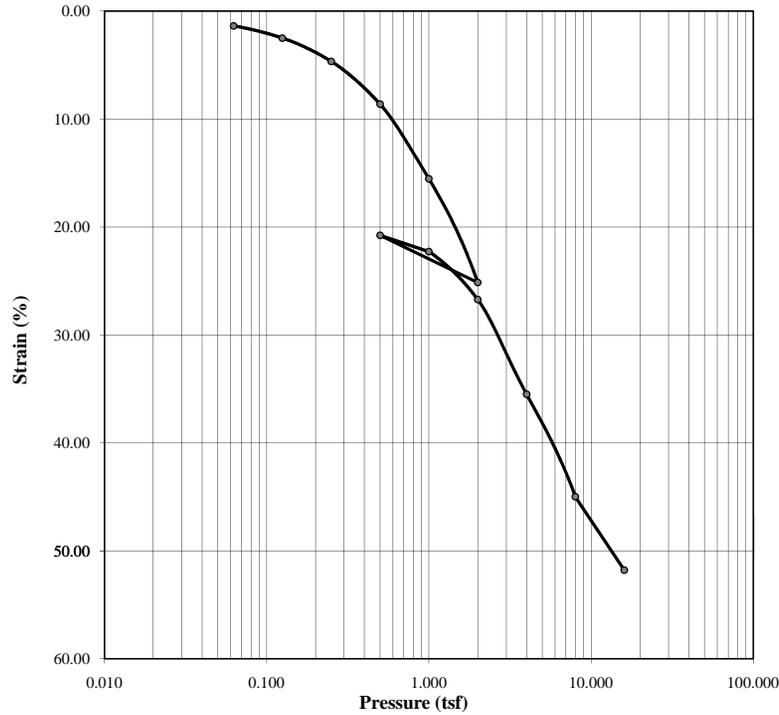
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2385	0.2379	31.7200	0.5255
1	00:00:01	0.2409	0.2403	32.0400	0.5184
2	00:00:02	0.2417	0.2411	32.1467	0.5160
3	00:00:03	0.2423	0.2417	32.2267	0.5142
4	00:00:04	0.2427	0.2421	32.2800	0.5130
5	00:00:05	0.2430	0.2424	32.3200	0.5121
6	00:00:06	0.2433	0.2427	32.3600	0.5112
7	00:00:12	0.2442	0.2436	32.4800	0.5085
8	00:00:15	0.2447	0.2441	32.5467	0.5070
9	00:00:30	0.2462	0.2456	32.7467	0.5026
10	00:01:00	0.2482	0.2476	33.0133	0.4966
11	00:02:00	0.2508	0.2502	33.3600	0.4889
12	00:04:00	0.2541	0.2535	33.8000	0.4790
13	00:05:01	0.2554	0.2548	33.9733	0.4752
14	00:08:01	0.2582	0.2576	34.3467	0.4668
15	00:10:01	0.2596	0.2590	34.5333	0.4627
16	00:15:01	0.2623	0.2617	34.8933	0.4546
17	00:20:02	0.2641	0.2635	35.1333	0.4492
18	00:40:03	0.2682	0.2676	35.6800	0.4370
19	01:00:05	0.2701	0.2695	35.9333	0.4314
20	01:30:07	0.2714	0.2708	36.1067	0.4275
21	02:00:09	0.2722	0.2716	36.2133	0.4251
22	02:30:12	0.2728	0.2722	36.2933	0.4233
23	03:00:14	0.2731	0.2725	36.3333	0.4224
24	03:30:16	0.2737	0.2731	36.4133	0.4206
25	04:00:18	0.2739	0.2733	36.4400	0.4201
26	04:30:21	0.2742	0.2736	36.4800	0.4192
27	05:00:20	0.2744	0.2738	36.5067	0.4186
28	05:30:20	0.2746	0.2740	36.5333	0.4180
29	06:00:22	0.2747	0.2741	36.5467	0.4177
30	06:30:24	0.2749	0.2743	36.5733	0.4171
31	06:32:32	0.2749	0.2743	36.5733	0.4171

Consolidation Graph (Logarithmic Time)





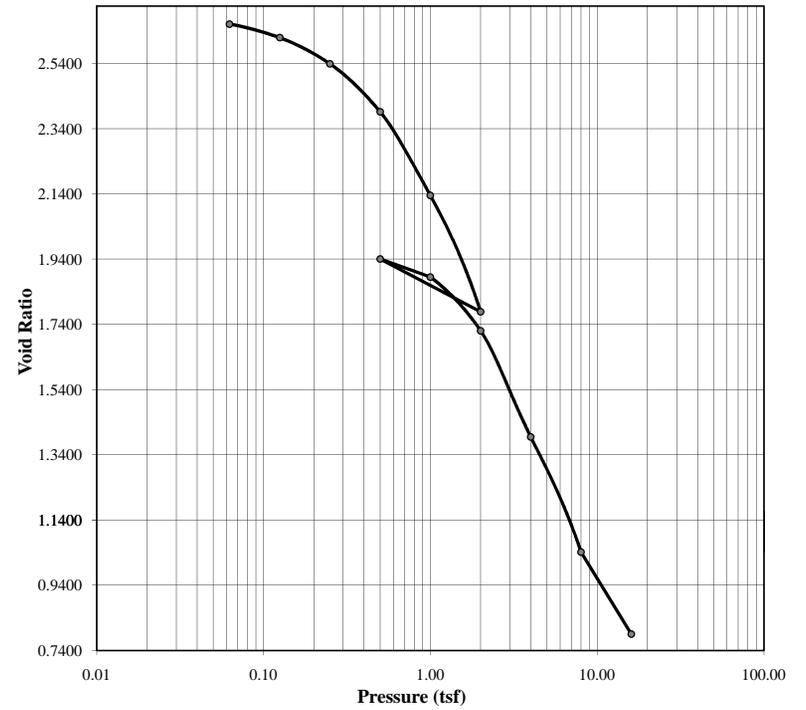
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	119	Test Date:	9 June 11
Moisture (%):	104.49	46.00	Plastic Limits:	34		
Dry Density (pcf):	42.80	88.78	Plasticity Index (%):	84		
Saturation (%):	97.99	147.98				
Void Ratio:	2.7153	0.7918	Specific Gravity:	2.549	Measured	
Sample Description:	Clay with organic matter and wood (CH)					
Sample Number:	16715-020-00	Depth:	37 - 39 feet	Remarks:		
Sample Number:		Boring Number:	14			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



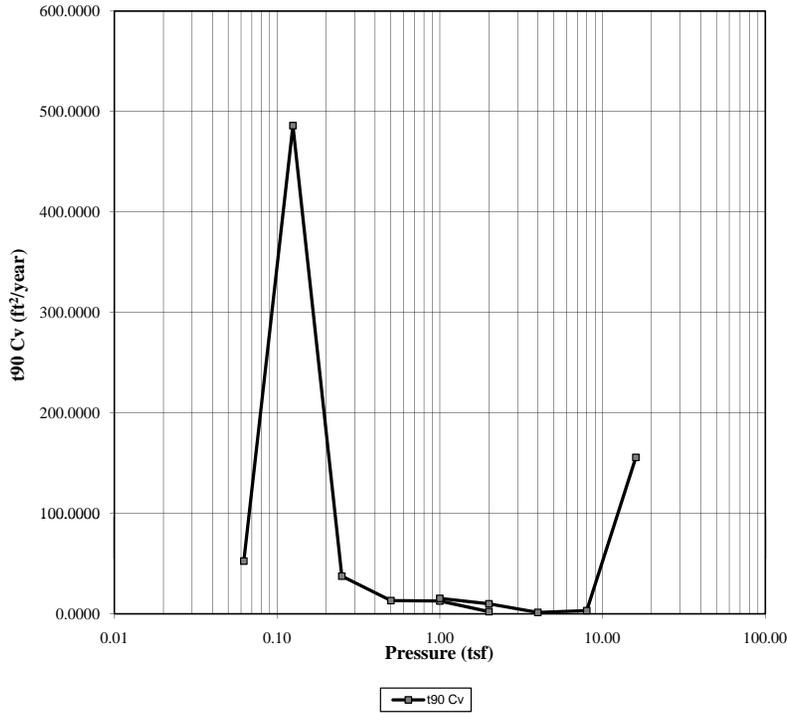
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	119	Test Date:	9 June 11
Moisture (%):	104.49	46.00	Plastic Limits:	34		
Dry Density (pcf):	42.80	88.78	Plasticity Index (%):	84		
Saturation (%):	97.99	147.98				
Void Ratio:	2.7153	0.7918	Specific Gravity:	2.549	Measured	
Soil Description:	Clay with organic matter and wood (CH)					
Project Number:	16715-020-00	Depth:	37 - 39 feet	Remarks:		
Sample Number:		Boring Number:	14			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



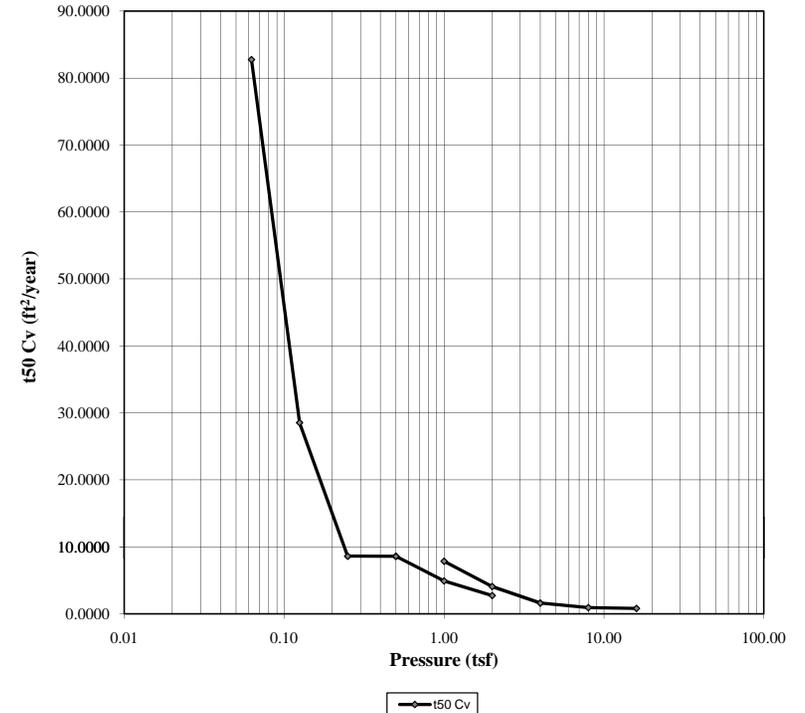
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	119	Test Date:	9 June 11
Moisture (%):	104.49	46.00	Plastic Limits:	34		
Dry Density (pcf):	42.80	88.78	Plasticity Index (%):	84		
Saturation (%):	97.99	147.98				
Void Ratio:	2.7153	0.7918	Specific Gravity:	2.549	Measured	
Soil Description:	Clay with organic matter and wood (CH)					
Project Number:	16715-020-00	Depth:	37 - 39 feet	Remarks:		
Sample Number:	Boring Number: 14					
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	119	Test Date:	9 June 11
Moisture (%):	104.49	46.00	Plastic Limits:	34		
Dry Density (pcf):	42.80	88.78	Plasticity Index (%):	84		
Saturation (%):	97.99	147.98				
Void Ratio:	2.7153	0.7918	Specific Gravity:	2.549	Measured	
Soil Description:	Clay with organic matter and wood (CH)					
Project Number:	16715-020-00	Depth:	37 - 39 feet	Remarks:		
Sample Number:	Boring Number: 14					
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location: 11-21
Job Number: 11-21

Project Number: 16715-020-00

Sample Number: 14
Boring Number: 37 - 39 feet
Depth: Undisturbed
Sample Type: Undisturbed

Sample Description: Clay with organic matter and wood (CH)
Remarks:

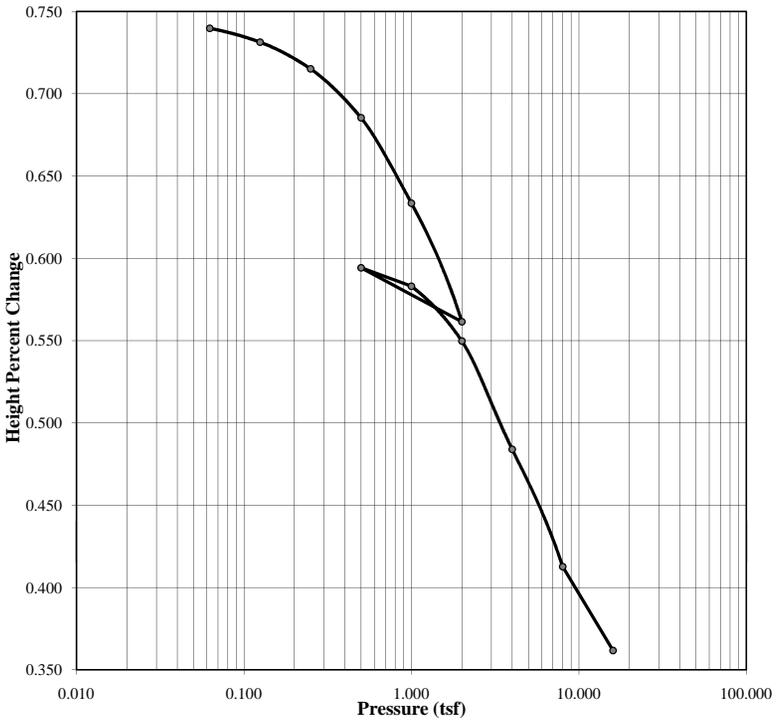
Test Number: 9 June 11
Test Date:

Index	Load Sequence (tsf)	Cumulative Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t150 Fitting Time (min)	t90 Cv (ft ² /year)	t150 Cv (ft ² /year)
0	0.000	0.0000	0.2500	0.5479	0.00	2.7114	0.000	0.000	0.000	0.000
1	0.063	0.0103	0.7397	0.5376	1.37	2.6604	8.049	1.189	52.605	82.735
2	0.125	0.0187	0.7313	0.5292	2.49	2.6188	0.852	3.368	37.587	28.545
3	0.250	0.0349	0.7151	0.5130	4.65	2.5387	10.528	10.674	485.969	37.587
4	0.500	0.0646	0.6854	0.4833	8.61	2.3917	27.684	9.823	13.131	8.597
5	1.000	0.1165	0.6535	0.4314	15.53	2.1349	24.143	14.648	12.863	4.925
6	2.000	0.1885	0.5615	0.3594	25.13	1.7786	110.108	20.669	2.216	2.742
7	0.500	0.1558	0.5942	0.3921	20.77	1.9404	0.000	0.000	0.000	0.000
8	1.000	0.1670	0.5850	0.3809	22.27	1.8850	17.199	7.780	15.292	7.854
9	2.000	0.2003	0.5497	0.3476	26.71	1.7202	23.391	13.316	9.996	4.079
10	4.000	0.2661	0.4839	0.2818	35.48	1.3946	130.412	26.165	1.389	1.609
11	8.000	0.3374	0.4126	0.2105	44.99	1.0417	42.332	32.374	3.112	0.945
12	16.000	0.3883	0.3617	0.1596	51.77	0.7899	0.651	28.877	135.631	0.814

*Predicted value indicated with **



Consolidation Test Test Results



	Before	After	Liquid Limits:	119	Test Date:	9 June 11
Moisture (%):	104.49	46.00	Plastic Limits:	34		
Dry Density (pcf):	42.80	88.78	Plasticity Index (%):	84		
Saturation (%):	97.99	147.98				
Void Ratio:	2.7153	0.7918	Specific Gravity:	2.549	Measured	
Soil Description: Clay with organic matter and wood (CH)						
Sample Number:	16715-020-00		Depth:	37 - 39 feet		Remarks:
Sample Number:			Boring Number:	14		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



**Consolidation Test
Consolidation Specimen Information**

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Job Number:** 11-21 **Test Date:** 9 June 11
Sample Number: **Sample Description:** Clay with organic matter and wood (CH)
Boring Number: 14 **Remarks:**
Depth: 37 - 39 feet
Sample Type: Undisturbed
Test Number: **Initial Void Ratio:** 2.7153 **Initial Height (in):** 0.7500
Liquid Limit: 119.0000 **Plasticity Index (%):** 84.0000 **Initial Diameter (in):** 2.5000
Plastic Limit: 34.0000 **Weight of Ring (g):** 234.8400
Specific Gravity: 2.5490 **Measured**

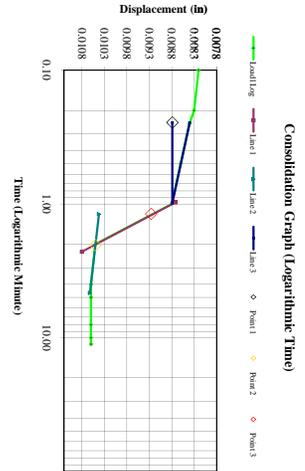
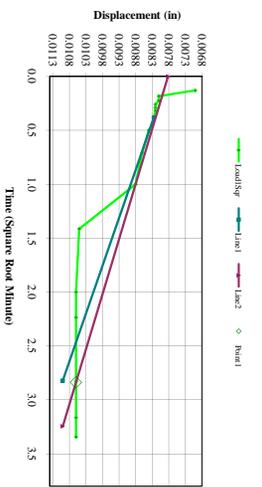
Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	148.00	75.00
Dry Soil + Container (g)	86.34	57.40
Weight of Container (g)	27.33	19.14
Moisture Content (%)	104.49	46.00
Void Ratio	2.7153	0.7918
Saturation (%)	97.99	147.98
Dry Density (pcf)	42.80	88.78

**Consolidation Test Results
(Sequence 1) Load 0.063 lbf**

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Job Number:** 11-21 **Test Date:** 9 June 11
Sample Number: **Sample Description:** Clay with organic matter and wood (CH)
Boring Number: 14 **Remarks:**
Depth: 37 - 39 feet
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0003	0.0000	0.0000	2.7153
1	00:00:01	0.0070	0.0067	0.89333	2.6821
2	00:00:02	0.0081	0.0078	1.0400	2.6767
3	00:00:03	0.0081	0.0078	1.0400	2.6767
4	00:00:04	0.0082	0.0079	1.0533	2.6762
5	00:00:05	0.0082	0.0079	1.0533	2.6762
6	00:00:06	0.0082	0.0079	1.0533	2.6762
7	00:00:07	0.0082	0.0079	1.0533	2.6762
8	00:00:11	0.0084	0.0081	1.0800	2.6742
9	00:00:30	0.0086	0.0083	1.067	2.6732
10	00:01:00	0.0088	0.0085	1.1333	2.6648
11	00:01:00	0.0105	0.0102	1.3600	2.6648
12	00:04:00	0.0106	0.0103	1.3733	2.6643
13	00:05:00	0.0106	0.0103	1.3733	2.6643
14	00:08:00	0.0106	0.0103	1.3733	2.6643
15	00:10:01	0.0106	0.0103	1.3733	2.6643
16	00:11:11	0.0106	0.0103	1.3733	2.6643

Checked By:

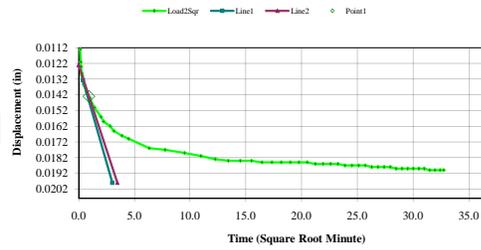


Consolidation Test Results (Sequence 2) Load 0.125 tsf	Consolidation Test Results (Sequence 2) Load 0.125 tsf
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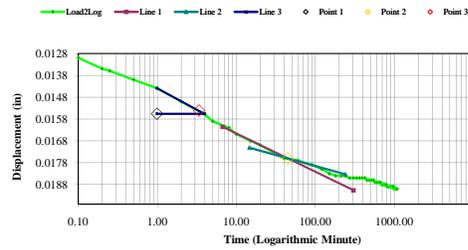
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 9 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 14 Clay with organic matter and wood (CH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0106	0.0103	1.3733	2.6643
1	00:00:01	0.0113	0.0110	1.4667	2.6608
2	00:00:02	0.0121	0.0118	1.5733	2.6569
3	00:00:03	0.0124	0.0121	1.6133	2.6554
4	00:00:04	0.0128	0.0125	1.6667	2.6534
5	00:00:05	0.0129	0.0126	1.6800	2.6520
6	00:00:06	0.0130	0.0127	1.6933	2.6524
7	00:00:12	0.0135	0.0132	1.7600	2.6499
8	00:00:15	0.0136	0.0133	1.7733	2.6494
9	00:00:30	0.0140	0.0137	1.8267	2.6474
10	00:01:00	0.0144	0.0141	1.8800	2.6455
11	00:02:00	0.0150	0.0147	1.9600	2.6425
12	00:04:00	0.0156	0.0153	2.0400	2.6395
13	00:05:00	0.0159	0.0156	2.0800	2.6380
14	00:08:00	0.0162	0.0159	2.1200	2.6365
15	00:10:00	0.0165	0.0162	2.1600	2.6351
16	00:15:01	0.0168	0.0165	2.2000	2.6336
17	00:20:01	0.0170	0.0167	2.2267	2.6326
18	00:40:03	0.0176	0.0173	2.3067	2.6296
19	01:00:04	0.0177	0.0174	2.3200	2.6291
20	01:30:07	0.0179	0.0176	2.3467	2.6281
21	02:00:09	0.0181	0.0178	2.3733	2.6271
22	02:30:11	0.0183	0.0180	2.4000	2.6261
23	03:00:13	0.0184	0.0181	2.4133	2.6256
24	03:30:16	0.0184	0.0181	2.4133	2.6256
25	04:00:18	0.0184	0.0181	2.4133	2.6256
26	04:30:20	0.0185	0.0182	2.4267	2.6251
27	05:00:23	0.0185	0.0182	2.4267	2.6251
28	05:30:25	0.0185	0.0182	2.4267	2.6251
29	06:00:27	0.0185	0.0182	2.4267	2.6251
30	06:30:29	0.0185	0.0182	2.4267	2.6251
31	07:00:32	0.0185	0.0182	2.4267	2.6251
32	07:30:34	0.0186	0.0183	2.4400	2.6247
33	08:00:36	0.0186	0.0183	2.4400	2.6247
34	08:30:38	0.0186	0.0183	2.4400	2.6247
35	09:00:41	0.0186	0.0183	2.4400	2.6247
36	09:30:43	0.0187	0.0184	2.4533	2.6242

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



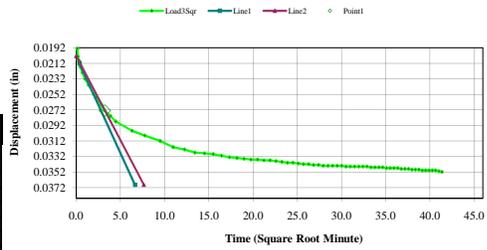
37	10:00:45	0.0187	0.0184	2.4533	2.6242
38	10:30:48	0.0187	0.0184	2.4533	2.6242
39	11:00:50	0.0187	0.0184	2.4533	2.6242
40	11:30:52	0.0188	0.0185	2.4667	2.6237
41	12:00:54	0.0188	0.0185	2.4667	2.6237
42	12:30:57	0.0188	0.0185	2.4667	2.6237
43	13:00:59	0.0188	0.0185	2.4667	2.6237
44	13:31:01	0.0189	0.0186	2.4800	2.6232
45	14:01:04	0.0189	0.0186	2.4800	2.6232
46	14:31:06	0.0189	0.0186	2.4800	2.6232
47	15:01:08	0.0189	0.0186	2.4800	2.6232
48	15:31:10	0.0189	0.0186	2.4800	2.6232
49	16:01:13	0.0189	0.0186	2.4800	2.6232
50	16:31:15	0.0190	0.0187	2.4933	2.6227
51	17:01:17	0.0190	0.0187	2.4933	2.6227
52	17:31:19	0.0190	0.0187	2.4933	2.6227
53	17:52:11	0.0190	0.0187	2.4933	2.6227

Consolidation Test Results (Sequence 3) Load 0.250 tsf	Consolidation Test Results (Sequence 3) Load 0.250 tsf
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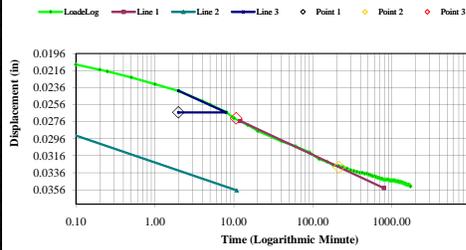
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 9 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 14 Clay with organic matter and wood (CH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0190	0.0187	2.4933	2.6227
1	00:00:01	0.0193	0.0190	2.5333	2.6212
2	00:00:02	0.0203	0.0200	2.6667	2.6162
3	00:00:03	0.0207	0.0204	2.7200	2.6142
4	00:00:04	0.0208	0.0205	2.7333	2.6138
5	00:00:05	0.0209	0.0206	2.7467	2.6133
6	00:00:06	0.0209	0.0206	2.7467	2.6133
7	00:00:12	0.0215	0.0212	2.8267	2.6103
8	00:00:15	0.0217	0.0214	2.8533	2.6093
9	00:00:30	0.0224	0.0221	2.9467	2.6058
10	00:01:00	0.0232	0.0229	3.0333	2.6019
11	00:02:00	0.0240	0.0237	3.1600	2.5979
12	00:04:00	0.0252	0.0249	3.3200	2.5920
13	00:05:00	0.0256	0.0253	3.3733	2.5900
14	00:08:00	0.0265	0.0262	3.4933	2.5855
15	00:10:01	0.0272	0.0269	3.5867	2.5820
16	00:15:01	0.0280	0.0277	3.6933	2.5781
17	00:20:01	0.0287	0.0284	3.7867	2.5746
18	00:40:03	0.0299	0.0296	3.9467	2.5687
19	01:00:04	0.0305	0.0302	4.0267	2.5657
20	01:30:07	0.0312	0.0309	4.1200	2.5622
21	02:00:09	0.0320	0.0317	4.2267	2.5583
22	02:30:11	0.0323	0.0320	4.2667	2.5568
23	03:00:14	0.0327	0.0324	4.3200	2.5548
24	03:30:16	0.0328	0.0325	4.3333	2.5543
25	04:00:18	0.0329	0.0326	4.3467	2.5538
26	04:30:20	0.0331	0.0328	4.3733	2.5528
27	05:00:23	0.0333	0.0330	4.4000	2.5518
28	05:30:25	0.0334	0.0331	4.4133	2.5513
29	06:00:27	0.0335	0.0332	4.4267	2.5508
30	06:30:30	0.0336	0.0333	4.4400	2.5503
31	07:00:32	0.0336	0.0333	4.4400	2.5503
32	07:30:34	0.0337	0.0334	4.4533	2.5499
33	08:00:37	0.0337	0.0334	4.4533	2.5499
34	08:30:39	0.0338	0.0335	4.4667	2.5494
35	09:00:41	0.0339	0.0336	4.4800	2.5489
36	09:30:43	0.0340	0.0337	4.4933	2.5484

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



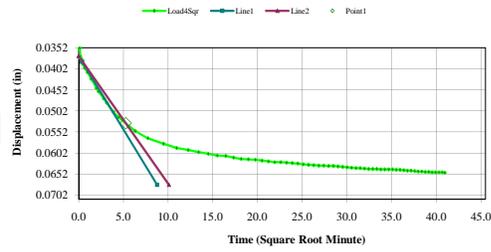
37	10:00:46	0.0340	0.0337	4.4933	2.5484
38	10:30:48	0.0341	0.0338	4.5067	2.5479
39	11:00:50	0.0342	0.0339	4.5200	2.5474
40	11:30:52	0.0342	0.0339	4.5200	2.5474
41	12:00:55	0.0343	0.0340	4.5333	2.5469
42	12:30:57	0.0343	0.0340	4.5333	2.5469
43	13:00:59	0.0344	0.0341	4.5467	2.5464
44	13:31:02	0.0344	0.0341	4.5467	2.5464
45	14:01:04	0.0344	0.0341	4.5467	2.5464
46	14:31:06	0.0344	0.0341	4.5467	2.5464
47	15:01:08	0.0344	0.0341	4.5467	2.5464
48	15:31:11	0.0345	0.0342	4.5600	2.5459
49	16:01:13	0.0345	0.0342	4.5600	2.5459
50	16:31:15	0.0345	0.0342	4.5600	2.5459
51	17:01:17	0.0345	0.0342	4.5600	2.5459
52	17:31:20	0.0345	0.0342	4.5600	2.5459
53	18:01:22	0.0345	0.0342	4.5600	2.5459
54	18:31:24	0.0346	0.0343	4.5733	2.5454
55	19:01:27	0.0346	0.0343	4.5733	2.5454
56	19:31:29	0.0346	0.0343	4.5733	2.5454
57	20:01:31	0.0346	0.0343	4.5733	2.5454
58	20:31:33	0.0347	0.0344	4.5867	2.5449
59	21:01:36	0.0347	0.0344	4.5867	2.5449
60	21:31:38	0.0347	0.0344	4.5867	2.5449
61	22:01:40	0.0347	0.0344	4.5867	2.5449
62	22:31:43	0.0348	0.0345	4.6000	2.5444
63	23:01:45	0.0348	0.0345	4.6000	2.5444
64	23:31:47	0.0348	0.0345	4.6000	2.5444
65	24:01:50	0.0349	0.0346	4.6133	2.5439
66	24:31:52	0.0349	0.0346	4.6133	2.5439
67	25:01:54	0.0349	0.0346	4.6133	2.5439
68	25:31:56	0.0350	0.0347	4.6267	2.5434
69	26:01:59	0.0350	0.0347	4.6267	2.5434
70	26:32:01	0.0350	0.0347	4.6267	2.5434
71	27:02:03	0.0350	0.0347	4.6267	2.5434
72	27:32:05	0.0350	0.0347	4.6267	2.5434
73	28:02:08	0.0351	0.0348	4.6400	2.5429
74	28:30:23	0.0352	0.0349	4.6533	2.5424

Consolidation Test Results (Sequence 4) Load 0.500 tsf	Consolidation Test Results (Sequence 4) Load 0.500 tsf
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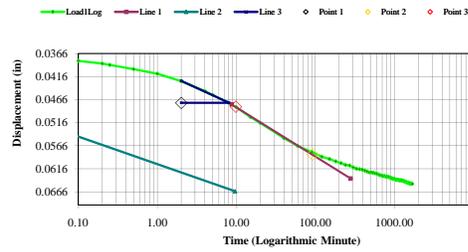
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 9 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 14 Clay with organic matter and wood (CH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0352	0.0349	4.6533	2.5424
1	00:00:01	0.0353	0.0350	4.6667	2.5419
2	00:00:02	0.0372	0.0369	4.9200	2.5325
3	00:00:03	0.0376	0.0373	4.9733	2.5305
4	00:00:04	0.0377	0.0374	4.9867	2.5300
5	00:00:05	0.0379	0.0376	5.0133	2.5296
6	00:00:06	0.0382	0.0379	5.0533	2.5276
7	00:00:12	0.0388	0.0385	5.1333	2.5246
8	00:00:15	0.0391	0.0388	5.1733	2.5231
9	00:00:30	0.0400	0.0397	5.2933	2.5186
10	00:01:00	0.0410	0.0407	5.4267	2.5137
11	00:02:00	0.0426	0.0423	5.6400	2.5058
12	00:04:00	0.0448	0.0445	5.9333	2.4949
13	00:05:00	0.0456	0.0453	6.0400	2.4909
14	00:08:01	0.0473	0.0470	6.2667	2.4825
15	00:10:01	0.0483	0.0480	6.4000	2.4775
16	00:15:01	0.0504	0.0501	6.6800	2.4671
17	00:20:02	0.0517	0.0514	6.8533	2.4607
18	00:40:03	0.0550	0.0547	7.2933	2.4443
19	01:00:05	0.0567	0.0564	7.5200	2.4359
20	01:30:07	0.0580	0.0577	7.6933	2.4295
21	02:00:09	0.0590	0.0587	7.8267	2.4245
22	02:30:12	0.0595	0.0592	7.8933	2.4220
23	03:00:14	0.0600	0.0597	7.9600	2.4196
24	03:30:16	0.0604	0.0601	8.0133	2.4176
25	04:00:18	0.0608	0.0605	8.0667	2.4156
26	04:30:21	0.0609	0.0606	8.0800	2.4151
27	05:00:23	0.0613	0.0610	8.1333	2.4131
28	05:30:25	0.0616	0.0613	8.1733	2.4116
29	06:00:27	0.0617	0.0614	8.1867	2.4111
30	06:30:30	0.0618	0.0615	8.2000	2.4107
31	07:00:32	0.0620	0.0617	8.2267	2.4097
32	07:30:34	0.0622	0.0619	8.2533	2.4087
33	08:00:36	0.0624	0.0621	8.2800	2.4077
34	08:30:39	0.0624	0.0621	8.2800	2.4077
35	09:00:41	0.0625	0.0622	8.2933	2.4072
36	09:30:43	0.0626	0.0623	8.3067	2.4067

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:46	0.0627	0.0624	8.3200	2.4062
38	10:30:48	0.0629	0.0626	8.3467	2.4052
39	11:00:50	0.0630	0.0627	8.3600	2.4047
40	11:30:52	0.0631	0.0628	8.3733	2.4042
41	12:00:55	0.0632	0.0629	8.3867	2.4037
42	12:30:57	0.0632	0.0629	8.3867	2.4037
43	13:00:59	0.0633	0.0630	8.4000	2.4032
44	13:31:02	0.0633	0.0630	8.4000	2.4032
45	14:01:04	0.0634	0.0631	8.4133	2.4027
46	14:31:06	0.0635	0.0632	8.4267	2.4022
47	15:01:08	0.0636	0.0633	8.4400	2.4017
48	15:31:11	0.0637	0.0634	8.4533	2.4012
49	16:01:13	0.0638	0.0635	8.4667	2.4007
50	16:31:15	0.0638	0.0635	8.4667	2.4007
51	17:01:18	0.0639	0.0636	8.4800	2.4002
52	17:31:20	0.0640	0.0637	8.4933	2.3998
53	18:01:22	0.0640	0.0637	8.4933	2.3998
54	18:31:24	0.0640	0.0637	8.4933	2.3998
55	19:01:27	0.0641	0.0638	8.5067	2.3993
56	19:31:29	0.0641	0.0638	8.5067	2.3993
57	20:01:31	0.0641	0.0638	8.5067	2.3993
58	20:31:33	0.0641	0.0638	8.5067	2.3993
59	21:01:36	0.0642	0.0639	8.5200	2.3988
60	21:31:38	0.0642	0.0639	8.5200	2.3988
61	22:01:40	0.0643	0.0640	8.5333	2.3983
62	22:31:43	0.0644	0.0641	8.5467	2.3978
63	23:01:45	0.0644	0.0641	8.5467	2.3978
64	23:31:47	0.0645	0.0642	8.5600	2.3973
65	24:01:49	0.0646	0.0643	8.5733	2.3968
66	24:31:52	0.0646	0.0643	8.5733	2.3968
67	25:01:54	0.0647	0.0644	8.5867	2.3963
68	25:31:56	0.0647	0.0644	8.5867	2.3963
69	26:01:58	0.0648	0.0645	8.6000	2.3958
70	26:32:01	0.0648	0.0645	8.6000	2.3958
71	27:02:03	0.0648	0.0645	8.6000	2.3958
72	27:32:05	0.0648	0.0645	8.6000	2.3958
73	27:54:55	0.0649	0.0646	8.6133	2.3953

Consolidation Test Results
(Sequence 5) Load 1.000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 9 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 14 Clay with organic matter and wood (CH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0649	0.0646	8.6133	2.3953
1	00:00:00	0.0672	0.0669	8.9200	2.3839
2	00:00:01	0.0678	0.0675	9.0000	2.3809
3	00:00:02	0.0681	0.0678	9.0400	2.3794
4	00:00:03	0.0686	0.0683	9.1067	2.3770
5	00:00:04	0.0689	0.0686	9.1467	2.3755
6	00:00:05	0.0691	0.0688	9.1733	2.3745
7	00:00:11	0.0701	0.0698	9.3067	2.3695
8	00:00:14	0.0704	0.0701	9.3467	2.3680
9	00:00:30	0.0716	0.0713	9.5067	2.3621
10	00:01:00	0.0734	0.0731	9.7467	2.3532
11	00:02:00	0.0758	0.0755	10.0667	2.3413
12	00:04:00	0.0791	0.0788	10.5067	2.3250
13	00:05:00	0.0803	0.0800	10.6667	2.3190
14	00:08:00	0.0834	0.0831	11.0800	2.3036
15	00:10:00	0.0851	0.0848	11.3067	2.2952
16	00:15:01	0.0887	0.0884	11.7867	2.2774
17	00:20:01	0.0912	0.0909	12.1200	2.2650
18	00:40:03	0.0978	0.0975	13.0000	2.2323
19	01:00:04	0.1016	0.1013	13.5067	2.2135
20	01:30:06	0.1049	0.1046	13.9467	2.1971
21	02:00:09	0.1070	0.1067	14.2267	2.1867
22	02:30:11	0.1083	0.1080	14.4000	2.1803
23	03:00:13	0.1095	0.1092	14.5600	2.1744
24	03:30:15	0.1103	0.1100	14.6667	2.1704
25	04:00:18	0.1109	0.1106	14.7467	2.1674
26	04:30:20	0.1114	0.1111	14.8133	2.1649
27	05:00:22	0.1120	0.1117	14.8933	2.1620
28	05:30:25	0.1123	0.1120	14.9333	2.1605
29	06:00:27	0.1128	0.1125	15.0000	2.1580
30	06:30:29	0.1131	0.1128	15.0400	2.1565
31	07:00:31	0.1135	0.1132	15.0933	2.1545
32	07:30:34	0.1137	0.1134	15.1200	2.1536
33	08:00:36	0.1140	0.1137	15.1600	2.1521
34	08:30:38	0.1143	0.1140	15.2000	2.1506
35	09:00:41	0.1145	0.1142	15.2267	2.1496

36	09:30:43	0.1146	0.1143	15.2400	2.1491
37	10:00:45	0.1149	0.1146	15.2800	2.1476
38	10:30:47	0.1152	0.1149	15.3200	2.1461
39	11:00:50	0.1153	0.1150	15.3333	2.1456
40	11:30:52	0.1154	0.1151	15.3467	2.1451
41	12:00:54	0.1156	0.1153	15.3733	2.1441
42	12:30:57	0.1158	0.1155	15.4000	2.1431
43	13:00:59	0.1160	0.1157	15.4267	2.1422
44	13:31:01	0.1161	0.1158	15.4400	2.1417
45	14:01:03	0.1161	0.1158	15.4400	2.1417
46	14:31:06	0.1163	0.1160	15.4667	2.1407
47	15:01:08	0.1165	0.1162	15.4933	2.1397
48	15:15:59	0.1168	0.1165	15.5333	2.1382

Tested By:

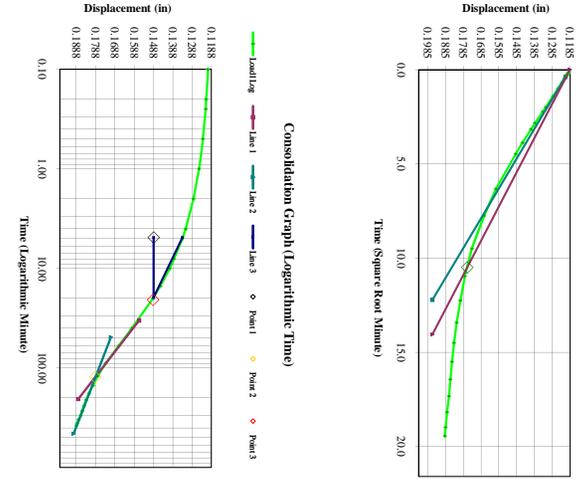
Checked By:

Consolidation Test Results
(Sequence 6) Load 2,000 tsf

Consolidation Test Results
(Sequence 6) Load 2,000 tsf

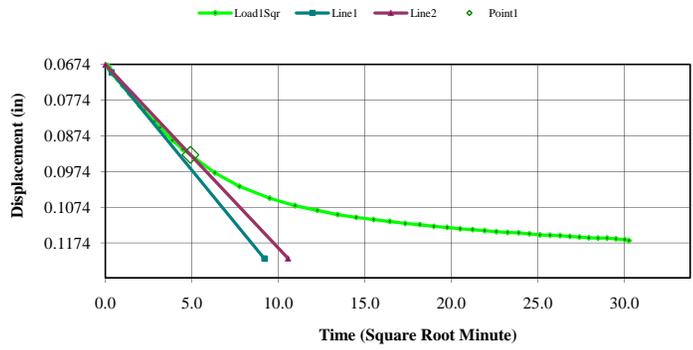
Project: LA DNR Last Lake Marsh Creation (TE-72) Project Number: 16715-(2)-0
 Location: 11-21
 Job Number: 11-21
 Sample Number: 14 Soil Description: Clay with organic matter and wood (CH)
 Boring Number: 37 - 39 feet
 Sample Depth: Uniformed
 Sample Type: Uniformed
 Test Date: 9 June 11
 Test Number:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1168	0.1165	15.5333	2.1382
1	00:00:01	0.1191	0.1188	15.8400	2.1268
2	00:00:02	0.1194	0.1191	15.8800	2.1253
3	00:00:03	0.1199	0.1196	15.9407	2.1238
4	00:00:04	0.1201	0.1198	15.9733	2.1218
5	00:00:05	0.1205	0.1200	16.0000	2.1202
6	00:00:06	0.1208	0.1202	16.0267	2.1186
7	00:00:07	0.1215	0.1212	16.1600	2.1160
8	00:00:15	0.1217	0.1214	16.3867	2.1139
9	00:00:30	0.1232	0.1229	16.3867	2.1065
10	00:01:00	0.1252	0.1249	16.6533	2.0966
11	00:02:00	0.1281	0.1278	17.0400	2.0822
12	00:04:00	0.1321	0.1318	17.2733	2.0624
13	00:05:00	0.1338	0.1335	17.8000	2.0540
14	00:08:00	0.1382	0.1379	18.3867	2.0322
15	00:10:00	0.1404	0.1401	18.8800	2.0213
16	00:15:01	0.1432	0.1429	19.5200	1.9975
17	00:20:01	0.1490	0.1487	19.5200	1.9787
18	00:24:01	0.1600	0.1598	21.3800	1.9582
19	00:28:02	0.1736	0.1733	21.9600	1.9368
20	00:30:02	0.1756	0.1753	21.9600	1.9350
21	02:30:11	0.1776	0.1773	22.6400	1.9370
22	02:30:11	0.1801	0.1798	23.9733	1.9246
23	03:00:13	0.1822	0.1819	24.4533	1.9142
24	03:30:16	0.1827	0.1824	24.4533	1.9068
25	04:00:18	0.1848	0.1845	24.6000	1.9013
26	04:30:20	0.1857	0.1854	24.7200	1.9069
27	05:00:22	0.1865	0.1862	24.8200	1.9299
28	05:30:23	0.1876	0.1873	24.9733	1.9285
29	06:00:27	0.1884	0.1881	25.0800	1.9285
30	06:17:53	0.1888	0.1885	25.1533	1.9285

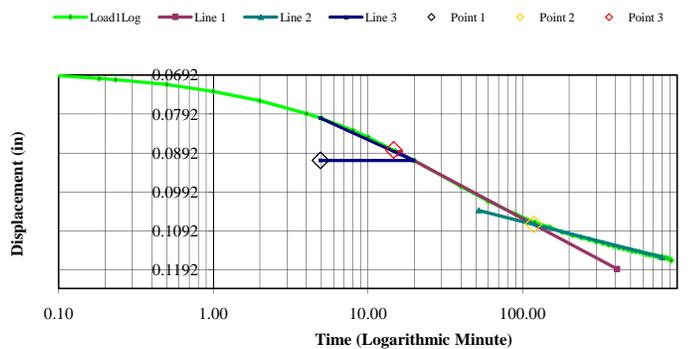


Consolidation Test Results
(Sequence 5) Load 1,000 tsf

Consolidation Graph (Squarerooot Time)



Consolidation Graph (Logarithmic Time)

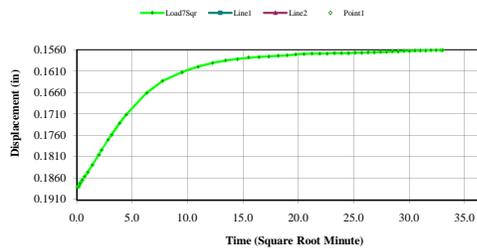


Consolidation Test Results (Sequence 7) Rebound 0.500 tsf	Consolidation Test Results (Sequence 7) Rebound 0.500 tsf
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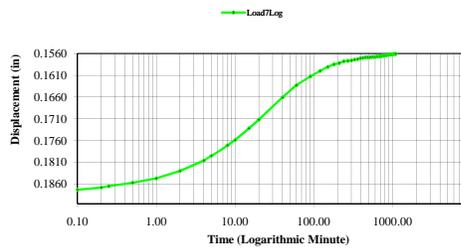
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 9 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 14 Clay with organic matter and wood (CH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1888	0.1885	25.1333	1.7815
1	00:00:01	0.1881	0.1878	25.0400	1.7850
2	00:00:02	0.1881	0.1878	25.0400	1.7850
3	00:00:03	0.1878	0.1875	25.0000	1.7865
4	00:00:04	0.1873	0.1870	24.9333	1.7890
5	00:00:05	0.1873	0.1870	24.9333	1.7890
6	00:00:06	0.1873	0.1870	24.9333	1.7890
7	00:00:12	0.1868	0.1865	24.8667	1.7914
8	00:00:15	0.1865	0.1862	24.8267	1.7929
9	00:00:30	0.1857	0.1854	24.7200	1.7969
10	00:01:00	0.1847	0.1844	24.5867	1.8018
11	00:02:00	0.1830	0.1827	24.3600	1.8103
12	00:04:01	0.1806	0.1803	24.0400	1.8221
13	00:05:01	0.1795	0.1792	23.8933	1.8276
14	00:08:01	0.1771	0.1768	23.5733	1.8395
15	00:10:01	0.1759	0.1756	23.4133	1.8454
16	00:15:01	0.1732	0.1729	23.0533	1.8588
17	00:20:02	0.1712	0.1709	22.7867	1.8687
18	00:40:03	0.1661	0.1658	22.1067	1.8940
19	01:00:05	0.1633	0.1630	21.7333	1.9078
20	01:30:07	0.1613	0.1610	21.4667	1.9178
21	02:00:09	0.1600	0.1597	21.2933	1.9242
22	02:30:12	0.1591	0.1588	21.1733	1.9287
23	03:00:14	0.1585	0.1582	21.0933	1.9316
24	03:30:16	0.1582	0.1579	21.0533	1.9331
25	04:00:18	0.1578	0.1575	21.0000	1.9351
26	04:30:21	0.1577	0.1574	20.9867	1.9356
27	05:00:23	0.1576	0.1573	20.9733	1.9361
28	05:30:25	0.1574	0.1571	20.9467	1.9371
29	06:00:27	0.1573	0.1570	20.9333	1.9376
30	06:30:30	0.1571	0.1568	20.9067	1.9386
31	07:00:32	0.1570	0.1567	20.8933	1.9391
32	07:30:34	0.1569	0.1566	20.8800	1.9395
33	08:00:37	0.1569	0.1566	20.8800	1.9395
34	08:30:39	0.1569	0.1566	20.8800	1.9395
35	09:00:41	0.1568	0.1565	20.8667	1.9400
36	09:30:43	0.1568	0.1565	20.8667	1.9400

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



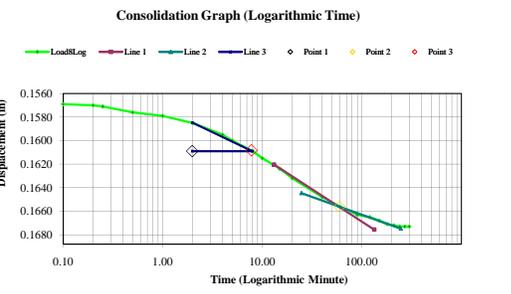
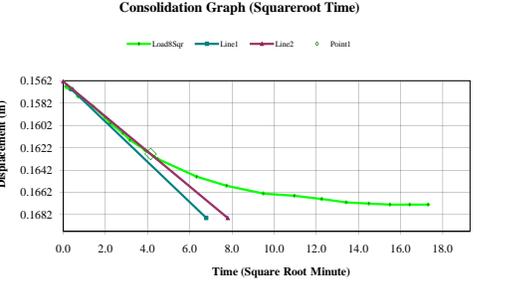
37	10:00:46	0.1568	0.1565	20.8667	1.9400
38	10:30:48	0.1567	0.1564	20.8533	1.9405
39	11:00:50	0.1567	0.1564	20.8533	1.9405
40	11:30:53	0.1566	0.1563	20.8400	1.9410
41	12:00:55	0.1566	0.1563	20.8400	1.9410
42	12:30:57	0.1565	0.1562	20.8267	1.9415
43	13:01:00	0.1565	0.1562	20.8267	1.9415
44	13:31:02	0.1564	0.1561	20.8133	1.9420
45	14:01:04	0.1564	0.1561	20.8133	1.9420
46	14:31:06	0.1563	0.1560	20.8000	1.9425
47	15:01:09	0.1563	0.1560	20.8000	1.9425
48	15:31:11	0.1562	0.1559	20.7867	1.9430
49	16:01:13	0.1562	0.1559	20.7867	1.9430
50	16:31:16	0.1562	0.1559	20.7867	1.9430
51	17:01:18	0.1561	0.1558	20.7733	1.9435
52	17:31:20	0.1561	0.1558	20.7733	1.9435
53	18:01:22	0.1561	0.1558	20.7733	1.9435
54	18:10:02	0.1561	0.1558	20.7733	1.9435

Consolidation Test Results (Sequence 8) Load 1,000 tsf	Consolidation Test Results (Sequence 8) Load 1,000 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 9 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 14 Clay with organic matter and wood (CH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1561	0.1558	20.7733	1.9435
1	00:00:01	0.1567	0.1564	20.8533	1.9405
2	00:00:02	0.1568	0.1565	20.8667	1.9400
3	00:00:03	0.1568	0.1565	20.8667	1.9400
4	00:00:04	0.1568	0.1565	20.8667	1.9400
5	00:00:05	0.1569	0.1566	20.8800	1.9395
6	00:00:06	0.1569	0.1566	20.8800	1.9395
7	00:00:12	0.1570	0.1567	20.8933	1.9391
8	00:00:15	0.1571	0.1568	20.9067	1.9386
9	00:00:30	0.1576	0.1573	20.9733	1.9361
10	00:01:00	0.1579	0.1576	21.0133	1.9346
11	00:02:00	0.1585	0.1582	21.0933	1.9316
12	00:04:00	0.1595	0.1592	21.2267	1.9267
13	00:05:00	0.1600	0.1597	21.2933	1.9242
14	00:08:01	0.1609	0.1606	21.4133	1.9197
15	00:10:01	0.1615	0.1612	21.4933	1.9168
16	00:15:01	0.1624	0.1621	21.6133	1.9123
17	00:20:01	0.1632	0.1629	21.7200	1.9083
18	00:40:03	0.1648	0.1645	21.9333	1.9004
19	01:00:04	0.1656	0.1653	22.0400	1.8965
20	01:30:07	0.1663	0.1660	22.1333	1.8930
21	02:00:09	0.1665	0.1662	22.1600	1.8920
22	02:30:11	0.1668	0.1665	22.2000	1.8905
23	03:00:12	0.1671	0.1668	22.2400	1.8890
24	03:30:11	0.1672	0.1669	22.2533	1.8885
25	04:00:11	0.1673	0.1670	22.2667	1.8880
26	04:30:11	0.1673	0.1670	22.2667	1.8880
27	04:59:34	0.1673	0.1670	22.2667	1.8880

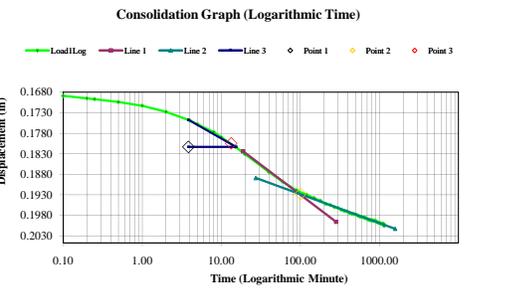
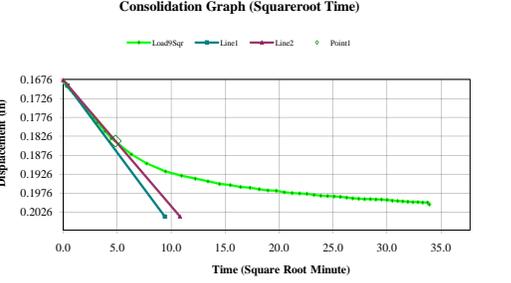
Tested By: **Checked By:**



Consolidation Test Results (Sequence 9) Load 2,000 tsf	Consolidation Test Results (Sequence 9) Load 2,000 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 9 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 14 Clay with organic matter and wood (CH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1673	0.1670	22.2667	1.8880
1	00:00:01	0.1684	0.1681	22.4133	1.8826
2	00:00:02	0.1687	0.1684	22.4533	1.8811
3	00:00:03	0.1688	0.1685	22.4667	1.8806
4	00:00:04	0.1689	0.1686	22.4800	1.8801
5	00:00:05	0.1689	0.1686	22.4800	1.8801
6	00:00:06	0.1689	0.1686	22.4800	1.8801
7	00:00:12	0.1695	0.1692	22.5600	1.8771
8	00:00:15	0.1697	0.1694	22.5867	1.8761
9	00:00:30	0.1704	0.1701	22.6800	1.8727
10	00:01:00	0.1713	0.1710	22.8000	1.8682
11	00:02:00	0.1728	0.1725	23.0000	1.8608
12	00:04:00	0.1749	0.1746	23.2800	1.8504
13	00:05:00	0.1758	0.1755	23.4000	1.8459
14	00:08:00	0.1777	0.1774	23.6533	1.8365
15	00:10:00	0.1790	0.1787	23.8267	1.8301
16	00:15:00	0.1813	0.1810	24.1333	1.8187
17	00:20:00	0.1831	0.1828	24.3733	1.8098
18	00:40:00	0.1874	0.1871	24.9467	1.7885
19	00:59:59	0.1898	0.1895	25.2667	1.7766
20	01:29:59	0.1919	0.1916	25.5467	1.7662
21	01:59:59	0.1930	0.1927	25.6933	1.7607
22	02:29:58	0.1938	0.1935	25.8000	1.7568
23	02:59:58	0.1945	0.1942	25.8933	1.7533
24	03:29:58	0.1952	0.1949	25.9667	1.7498
25	03:59:58	0.1955	0.1952	26.0267	1.7483
26	04:29:57	0.1960	0.1957	26.0933	1.7459
27	04:59:57	0.1962	0.1959	26.1200	1.7449
28	05:29:57	0.1966	0.1963	26.1733	1.7429
29	05:59:56	0.1969	0.1966	26.2133	1.7414
30	06:29:56	0.1970	0.1967	26.2267	1.7409
31	06:59:55	0.1974	0.1971	26.2800	1.7389
32	07:29:55	0.1976	0.1973	26.3067	1.7379
33	07:59:55	0.1977	0.1974	26.3200	1.7374
34	08:29:54	0.1978	0.1975	26.3333	1.7369
35	08:59:54	0.1981	0.1978	26.3733	1.7355
36	09:29:53	0.1983	0.1980	26.4000	1.7345



37	09:59:53	0.1984	0.1981	26.4133	1.7340
38	10:29:53	0.1985	0.1982	26.4267	1.7335
39	10:59:52	0.1986	0.1983	26.4400	1.7330
40	11:29:52	0.1988	0.1985	26.4667	1.7320
41	11:59:52	0.1990	0.1987	26.4933	1.7310
42	12:29:51	0.1991	0.1988	26.5067	1.7305
43	12:59:51	0.1992	0.1989	26.5200	1.7300
44	13:29:51	0.1992	0.1989	26.5200	1.7300
45	13:59:50	0.1993	0.1990	26.5333	1.7295
46	14:29:50	0.1993	0.1990	26.5333	1.7295
47	14:59:50	0.1994	0.1991	26.5467	1.7290
48	15:29:49	0.1996	0.1993	26.5733	1.7280
49	15:59:49	0.1997	0.1994	26.5867	1.7275
50	16:29:48	0.1998	0.1995	26.6000	1.7270
51	16:59:48	0.1999	0.1996	26.6133	1.7265
52	17:29:48	0.2000	0.1997	26.6267	1.7260
53	17:59:47	0.2000	0.1997	26.6267	1.7260
54	18:29:47	0.2001	0.1998	26.6400	1.7255
55	18:59:47	0.2001	0.1998	26.6400	1.7255
56	19:10:25	0.2006	0.2003	26.7067	1.7231

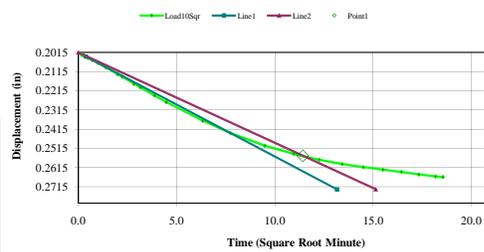
Consolidation Test Results (Sequence 10) Load 4.000 tsf	Consolidation Test Results (Sequence 10) Load 4.000 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 9 June 11
 Sample Number: Soil Description: Test Number:
 Boring Number: 14 Clay with organic matter and wood (CH)
 Depth: 37 - 39 feet Remarks:
 Sample Type: Undisturbed

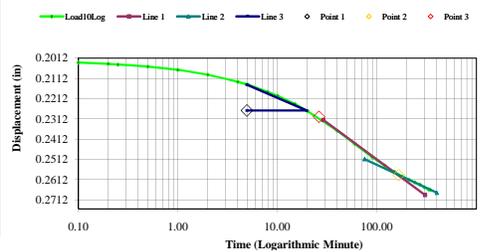
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2006	0.2003	26.7067	1.7231
1	00:00:01	0.2022	0.2019	26.9200	1.7151
2	00:00:02	0.2026	0.2023	26.9733	1.7132
3	00:00:03	0.2029	0.2026	27.0133	1.7117
4	00:00:04	0.2030	0.2027	27.0267	1.7112
5	00:00:05	0.2031	0.2028	27.0400	1.7107
6	00:00:06	0.2034	0.2031	27.0800	1.7092
7	00:00:12	0.2040	0.2037	27.1600	1.7062
8	00:00:15	0.2044	0.2041	27.2133	1.7042
9	00:00:30	0.2054	0.2051	27.3467	1.6993
10	00:01:00	0.2070	0.2067	27.5600	1.6914
11	00:02:00	0.2094	0.2091	27.8800	1.6795
12	00:04:00	0.2129	0.2126	28.3467	1.6621
13	00:05:00	0.2142	0.2139	28.5200	1.6557
14	00:08:00	0.2179	0.2176	29.0133	1.6374
15	00:10:01	0.2198	0.2195	29.2667	1.6280
16	00:15:01	0.2239	0.2236	29.8133	1.6076
17	00:20:01	0.2274	0.2271	30.2800	1.5903
18	00:40:03	0.2371	0.2368	31.5733	1.5423
19	01:00:04	0.2436	0.2433	32.4400	1.5101
20	01:30:07	0.2501	0.2498	33.3067	1.4779
21	02:00:09	0.2543	0.2540	33.8667	1.4571
22	02:30:11	0.2574	0.2571	34.2800	1.4417
23	03:00:14	0.2597	0.2594	34.5867	1.4303
24	03:30:16	0.2613	0.2610	34.8000	1.4224
25	04:00:18	0.2626	0.2623	34.9733	1.4159
26	04:30:20	0.2637	0.2634	35.1200	1.4105
27	05:00:23	0.2651	0.2648	35.3067	1.4036
28	05:30:25	0.2661	0.2658	35.4400	1.3986
29	05:44:11	0.2664	0.2661	35.4800	1.3971

Tested By: Checked By:

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



**Consolidation Test Results
(Sequence 11) Load 8.000 tsf**

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Job Number:** 11-21 **Test Date:** 9 June 11
Sample Number: **Soil Description:** Clay with organic matter and wood (CH)
Boring Number: 14 **Remarks:**
Depth: 37 - 39 feet **Sample Type:** Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2664	0.2661	35.4800	1.3971
1	00:00:01	0.2681	0.2678	35.7067	1.3887
2	00:00:02	0.2687	0.2684	35.7867	1.3857
3	00:00:03	0.2691	0.2688	35.8400	1.3837
4	00:00:04	0.2693	0.2690	35.8667	1.3827
5	00:00:05	0.2694	0.2691	35.8800	1.3823
6	00:00:06	0.2697	0.2694	35.9200	1.3808
7	00:00:12	0.2704	0.2701	36.0133	1.3773
8	00:00:15	0.2709	0.2706	36.0800	1.3748
9	00:00:30	0.2720	0.2717	36.2267	1.3694
10	00:01:00	0.2737	0.2734	36.4533	1.3610
11	00:02:00	0.2761	0.2758	36.7733	1.3491
12	00:04:00	0.2795	0.2792	37.2267	1.3322
13	00:05:00	0.2807	0.2804	37.3867	1.3263
14	00:08:00	0.2841	0.2838	37.8400	1.3094
15	00:10:00	0.2861	0.2858	38.1067	1.2995
16	00:15:01	0.2899	0.2896	38.6133	1.2807
17	00:20:01	0.2932	0.2929	39.0533	1.2644
18	00:40:03	0.3027	0.3024	40.3200	1.2173
19	01:00:04	0.3092	0.3089	41.1867	1.1851
20	01:30:06	0.3158	0.3155	42.0667	1.1524
21	02:00:09	0.3206	0.3203	42.7067	1.1286
22	02:30:11	0.3239	0.3236	43.1467	1.1123
23	03:00:13	0.3262	0.3259	43.4533	1.1009
24	03:30:16	0.3279	0.3276	43.6800	1.0925
25	04:00:18	0.3293	0.3290	43.8667	1.0855
26	04:30:20	0.3303	0.3300	44.0000	1.0806
27	05:00:23	0.3311	0.3308	44.1067	1.0766
28	05:30:25	0.3318	0.3315	44.2000	1.0731
29	06:00:27	0.3325	0.3322	44.2933	1.0697
30	06:30:29	0.3331	0.3328	44.3733	1.0667
31	07:00:32	0.3334	0.3331	44.4133	1.0652
32	07:30:34	0.3339	0.3336	44.4800	1.0627
33	08:00:36	0.3342	0.3339	44.5200	1.0613
34	08:30:38	0.3345	0.3342	44.5600	1.0598
35	09:00:40	0.3350	0.3347	44.6267	1.0573

36	09:30:43	0.3353	0.3350	44.6667	1.0558
37	10:00:45	0.3357	0.3354	44.7200	1.0538
38	10:30:47	0.3358	0.3355	44.7333	1.0533
39	11:00:50	0.3359	0.3356	44.7467	1.0528
40	11:30:52	0.3362	0.3359	44.7867	1.0513
41	12:00:54	0.3364	0.3361	44.8133	1.0504
42	12:30:57	0.3365	0.3362	44.8267	1.0499
43	13:00:59	0.3366	0.3363	44.8400	1.0494
44	13:31:01	0.3367	0.3364	44.8533	1.0489
45	14:01:03	0.3369	0.3366	44.8800	1.0479
46	14:31:06	0.3370	0.3367	44.8933	1.0474
47	15:01:08	0.3372	0.3369	44.9200	1.0464
48	15:31:10	0.3373	0.3370	44.9333	1.0459
49	16:01:13	0.3374	0.3371	44.9467	1.0454
50	16:31:15	0.3374	0.3371	44.9467	1.0454
51	17:01:17	0.3375	0.3372	44.9600	1.0449
52	17:31:19	0.3376	0.3373	44.9733	1.0444
53	17:35:48	0.3377	0.3374	44.9867	1.0439

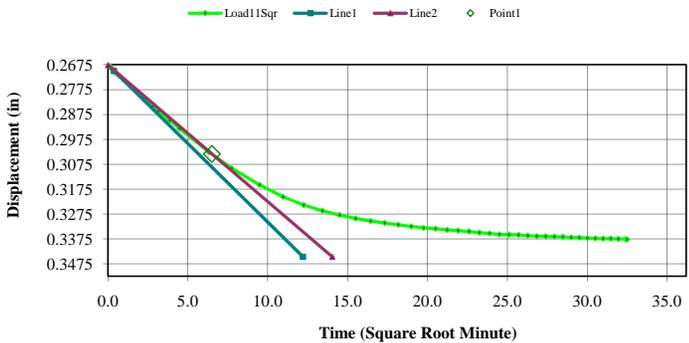
Consolidation Test Results
(Sequence 12) Load 16,000 lbf

Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 6715.023x00
 Location: Job Number: 11-21
 Sample Number: Soil Description: Test Date: 9 June 11
 Boring Number: 14 Clay with organic matter and wood (CH)
 Depth: 37 - 39 feet
 Sample Type: Undisturbed Remarks:

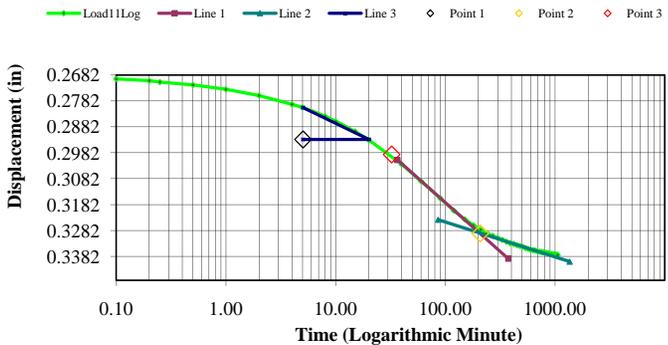
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.3372	0.3374	44.9867	1.0439
1	00:00:01	0.3383	0.3380	45.0667	1.0449
2	00:00:02	0.3403	0.3400	45.3333	1.0510
3	00:00:03	0.3405	0.3402	45.5000	1.0530
4	00:00:04	0.3406	0.3403	45.5753	1.0595
5	00:00:05	0.3407	0.3404	45.5867	1.0591
6	00:00:06	0.3410	0.3407	45.6667	1.0551
7	00:00:07	0.3413	0.3410	45.7200	1.0552
8	00:00:15	0.3435	0.3432	45.7200	1.0152
9	00:00:30	0.3443	0.3440	45.8667	1.0112
10	00:01:00	0.3454	0.3451	46.0133	1.0058
11	00:02:00	0.3470	0.3467	46.2387	0.9978
12	00:04:00	0.3493	0.3490	46.5333	0.9864
13	00:05:00	0.3502	0.3499	46.6533	0.9820
14	00:08:00	0.3525	0.3522	46.9600	0.9716
15	00:10:00	0.3538	0.3535	47.1333	0.9642
16	00:15:01	0.3565	0.3562	47.4933	0.9508
17	00:20:01	0.3589	0.3586	47.8133	0.9389
18	00:30:03	0.3654	0.3651	48.6800	0.9267
19	00:40:06	0.3740	0.3737	49.4667	0.9147
20	01:30:06	0.3750	0.3747	49.9600	0.8891
21	02:30:09	0.3783	0.3780	50.4000	0.8826
22	02:30:11	0.3807	0.3804	50.7200	0.8809
23	03:30:13	0.3824	0.3821	50.9467	0.8225
24	03:30:15	0.3838	0.3835	51.1333	0.8155
25	04:00:18	0.3847	0.3844	51.2833	0.8111
26	04:30:20	0.3855	0.3852	51.3600	0.8071
27	05:00:22	0.3862	0.3859	51.4533	0.8037
28	05:30:25	0.3869	0.3866	51.5467	0.8002
29	06:00:28	0.3877	0.3874	51.6533	0.7966
30	06:30:26	0.3879	0.3876	51.6900	0.7952
31	07:00:25	0.3884	0.3881	51.7333	0.7928
32	07:30:24	0.3886	0.3883	51.7733	0.7918
33	07:31:16	0.3886	0.3883	51.7733	0.7918

Consolidation Test Results
(Sequence 11) Load 8,000 tsf

Consolidation Graph (Square-root Time)

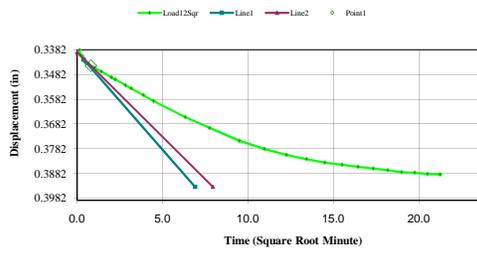


Consolidation Graph (Logarithmic Time)

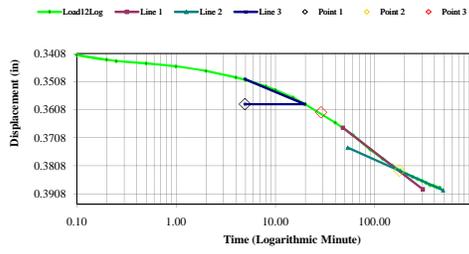


**Consolidation Test Results
(Sequence 12) Load 16.000 tsf**

Consolidation Graph (Square-root Time)

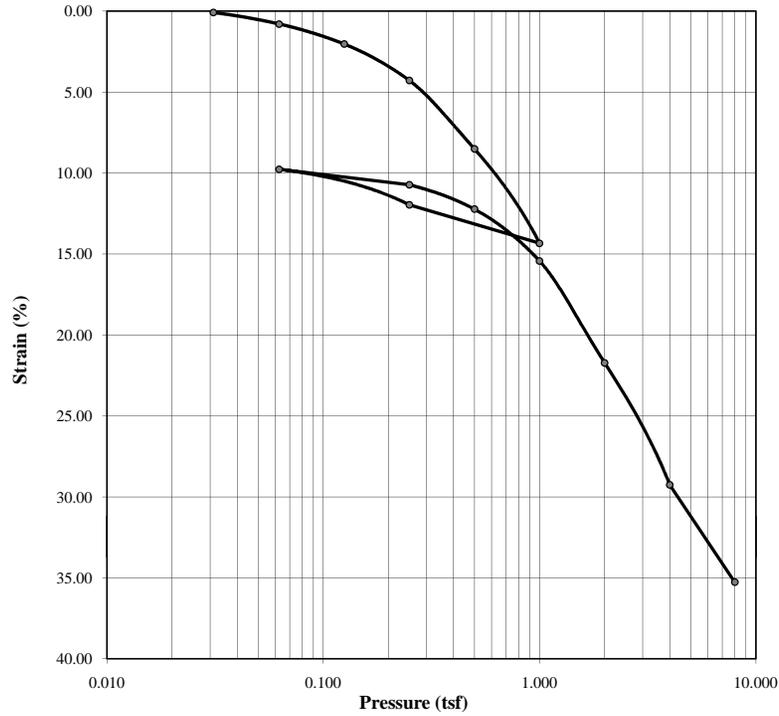


Consolidation Graph (Logarithmic Time)





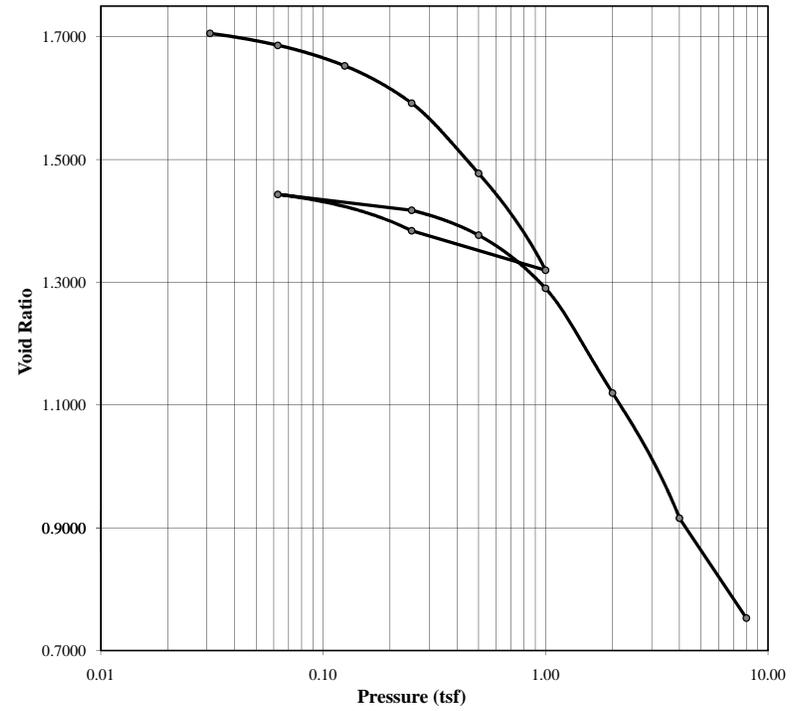
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	86	Test Date:	24 June 11
Moisture (%):	65.08	20.95	Plastic Limits:	29		
Dry Density (pcf):	60.67	100.51	Plasticity Index (%):	57		
Saturation (%):	100.17	86.66				
Void Ratio:	1.7134	0.7565	Specific Gravity:	2.636	Measured	
Sample Description:	Clay (CH)					
Sample Number:	16715-020-00	Depth:	27 - 29 feet		Remarks:	
Sample Number:		Boring Number:	15			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



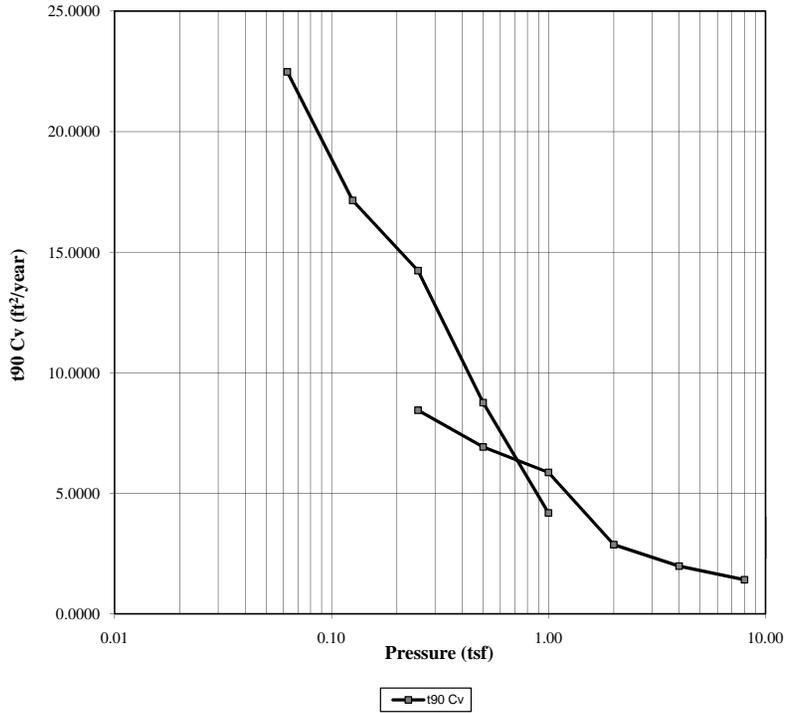
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	86	Test Date:	24 June 11
Moisture (%):	65.08	20.95	Plastic Limits:	29		
Dry Density (pcf):	60.67	100.51	Plasticity Index (%):	57		
Saturation (%):	100.17	86.66				
Void Ratio:	1.7134	0.7565	Specific Gravity:	2.636	Measured	
Soil Description:	Clay (CH)					
Project Number:	16715-020-00	Depth:	27 - 29 feet		Remarks:	
Sample Number:		Boring Number:	15			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



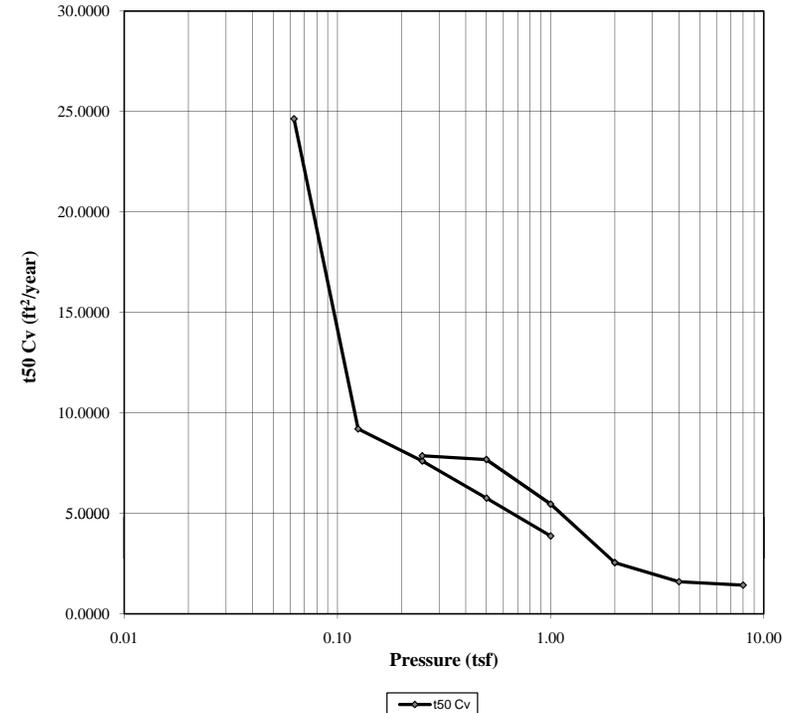
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	86	Test Date:	24 June 11
Moisture (%):	65.08	20.95	Plastic Limits:	29		
Dry Density (pcf):	60.67	100.51	Plasticity Index (%):	57		
Saturation (%):	100.17	86.66				
Void Ratio:	1.7134	0.7565	Specific Gravity:	2.636	Measured	
Soil Description:	Clay (CH)					
Sample Number:	16715-020-00	Depth:	27 - 29 feet		Remarks:	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	86	Test Date:	24 June 11
Moisture (%):	65.08	20.95	Plastic Limits:	29		
Dry Density (pcf):	60.67	100.51	Plasticity Index (%):	57		
Saturation (%):	100.17	86.66				
Void Ratio:	1.7134	0.7565	Specific Gravity:	2.636	Measured	
Soil Description:	Clay (CH)					
Sample Number:	16715-020-00	Depth:	27 - 29 feet		Remarks:	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)
 Location: 11-21
 Job Number: 11-21

Project Number: 16715-020-00

Sample Number: 15
 Boring Number: 27 - 29 feet
 Depth: Undisturbed
 Sample Type: Undisturbed

Sample Description: Clay (CH)
 Remarks:

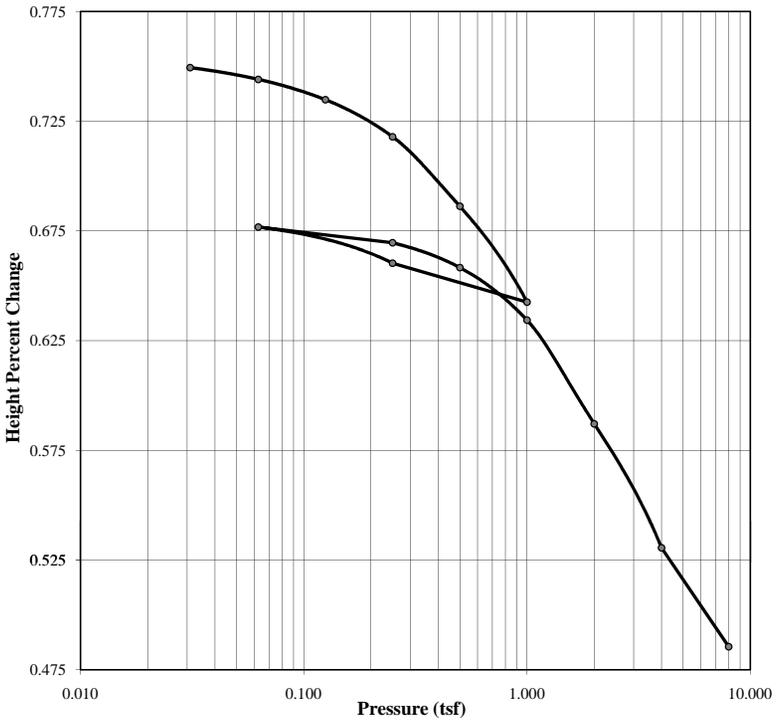
Test Number: 24 June 11
 Test Date:

Index	Load Sequence (tsf)	Cumulative Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	190 Fitting Time (min)	150 Fitting Time (min)	190 Cv (ft ² /year)	150 Cv (ft ² /year)
0	0.000	0.0000	0.2500	0.4730	0.00	1.7078	0.000	0.000	0.000	0.000
1	0.031	0.0006	0.7494	0.4724	0.08	1.7086	0.000	0.000	0.000	0.000
2	0.063	0.0060	0.7440	0.4670	0.80	1.6861	19.055	4.039	22.478	24.639
3	0.125	0.0152	0.7348	0.4578	2.03	1.6529	24.373	10.547	17.142	9.202
4	0.250	0.0321	0.7179	0.4409	4.28	1.5919	28.020	12.179	14.233	7.607
5	0.500	0.0638	0.6862	0.4092	8.51	1.4774	41.606	14.705	8.757	3.756
6	1.000	0.1075	0.6425	0.3655	14.33	1.3197	76.284	19.173	4.187	3.870
7	0.250	0.0897	0.6603	0.3833	11.96	1.3839	0.000	0.000	0.000	0.000
8	0.063	0.0733	0.6767	0.3997	9.77	1.4431	0.000	0.000	0.000	0.000
9	0.250	0.0804	0.6696	0.3926	10.72	1.4175	41.085	10.253	8.445	7.861
10	0.500	0.0917	0.6583	0.3813	12.23	1.3767	48.465	10.148	6.919	7.677
11	1.000	0.1157	0.6343	0.3573	15.43	1.2901	53.098	13.246	5.863	5.460
12	2.000	0.1629	0.5871	0.3101	21.72	1.1197	93.003	24.322	2.868	2.548
13	4.000	0.2194	0.5306	0.2536	29.25	0.9157	109.862	31.737	1.983	1.595
14	8.000	0.2645	0.4855	0.2085	35.27	0.7528	128.817	29.710	1.416	1.426

*Predicted value indicated with **



Consolidation Test Test Results



	Before	After	Liquid Limits:	86	Test Date:	24 June 11
Moisture (%):	65.08	20.95	Plastic Limits:	29		
Dry Density (pcf):	60.67	100.51	Plasticity Index (%):	57		
Saturation (%):	100.17	86.66				
Void Ratio:	1.7134	0.7565	Specific Gravity:	2.636	Measured	
Soil Description:	Clay (CH)					
Sample Number:	16715-020-00		Depth:	27 - 29 feet		
Sample Number:			Boring Number:	15		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						
Remarks:						

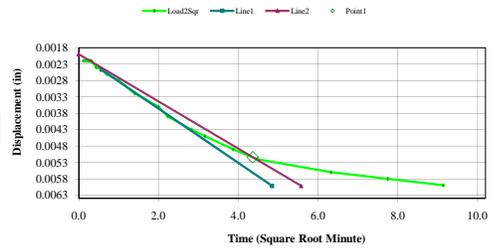
Consolidation Test Results (Sequence 2) Load 0.063 tsf	Consolidation Test Results (Sequence 2) Load 0.063 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 24 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 15 Clay (CH)
Depth: 27 - 29 feet **Remarks:**
Sample Type: Undisturbed

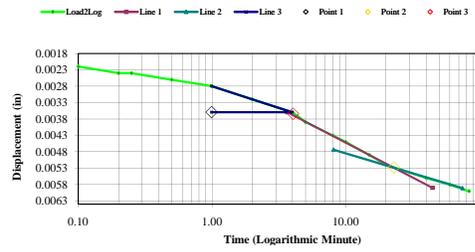
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0006	0.0006	0.0800	1.7113
1	00:00:01	0.0022	0.0022	0.2933	1.7055
2	00:00:02	0.0022	0.0022	0.2933	1.7055
3	00:00:03	0.0022	0.0022	0.2933	1.7055
4	00:00:04	0.0022	0.0022	0.2933	1.7055
5	00:00:05	0.0022	0.0022	0.2933	1.7055
6	00:00:06	0.0022	0.0022	0.2933	1.7055
7	00:00:12	0.0024	0.0024	0.3200	1.7047
8	00:00:15	0.0024	0.0024	0.3200	1.7047
9	00:00:30	0.0026	0.0026	0.3467	1.7040
10	00:01:00	0.0028	0.0028	0.3733	1.7033
11	00:02:00	0.0032	0.0032	0.4267	1.7019
12	00:04:01	0.0036	0.0036	0.4800	1.7004
13	00:05:01	0.0039	0.0039	0.5200	1.6993
14	00:08:01	0.0043	0.0043	0.5733	1.6979
15	00:10:01	0.0045	0.0045	0.6000	1.6972
16	00:15:01	0.0049	0.0049	0.6533	1.6957
17	00:20:02	0.0052	0.0052	0.6933	1.6946
18	00:40:03	0.0056	0.0056	0.7467	1.6932
19	01:00:05	0.0058	0.0058	0.7733	1.6924
20	01:23:34	0.0060	0.0060	0.8000	1.6917

Tested By: Checked By:

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

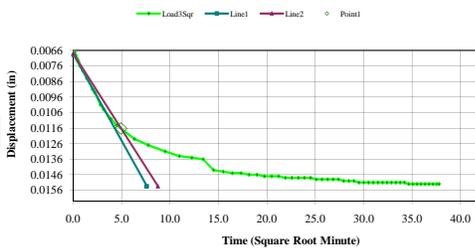


Consolidation Test Results (Sequence 3) Load 0.125 tsf	Consolidation Test Results (Sequence 3) Load 0.125 tsf
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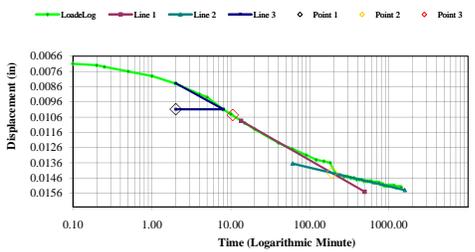
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 24 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 15 Clay (CH)
Depth: 27 - 29 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0060	0.0060	0.8000	1.6917
1	00:00:01	0.0067	0.0067	0.8933	1.6892
2	00:00:02	0.0069	0.0069	0.9200	1.6885
3	00:00:03	0.0069	0.0069	0.9200	1.6885
4	00:00:04	0.0070	0.0070	0.9333	1.6881
5	00:00:05	0.0070	0.0070	0.9333	1.6881
6	00:00:06	0.0071	0.0071	0.9467	1.6877
7	00:00:12	0.0072	0.0072	0.9600	1.6874
8	00:00:15	0.0073	0.0073	0.9733	1.6870
9	00:00:30	0.0076	0.0076	1.0133	1.6859
10	00:01:00	0.0079	0.0079	1.0533	1.6849
11	00:02:00	0.0084	0.0084	1.1200	1.6830
12	00:04:00	0.0091	0.0091	1.2133	1.6805
13	00:05:00	0.0093	0.0093	1.2400	1.6798
14	00:08:00	0.0101	0.0101	1.3467	1.6769
15	00:10:00	0.0104	0.0104	1.3867	1.6758
16	00:15:00	0.0110	0.0110	1.4667	1.6736
17	00:20:00	0.0114	0.0114	1.5200	1.6722
18	00:39:59	0.0123	0.0123	1.6400	1.6689
19	00:59:59	0.0127	0.0127	1.6933	1.6675
20	01:29:59	0.0131	0.0131	1.7467	1.6660
21	01:59:59	0.0134	0.0134	1.7867	1.6650
22	02:29:59	0.0135	0.0135	1.8000	1.6646
23	02:59:59	0.0136	0.0136	1.8133	1.6642
24	03:29:58	0.0143	0.0143	1.9067	1.6617
25	03:59:57	0.0144	0.0144	1.9200	1.6613
26	04:29:58	0.0145	0.0145	1.9333	1.6610
27	04:59:58	0.0145	0.0145	1.9333	1.6610
28	05:29:57	0.0146	0.0146	1.9467	1.6606
29	05:59:56	0.0146	0.0146	1.9467	1.6606
30	06:29:56	0.0147	0.0147	1.9600	1.6602
31	06:59:56	0.0147	0.0147	1.9600	1.6602
32	07:29:56	0.0147	0.0147	1.9600	1.6602
33	07:59:55	0.0148	0.0148	1.9733	1.6599
34	08:29:55	0.0148	0.0148	1.9733	1.6599
35	08:59:55	0.0148	0.0148	1.9733	1.6599
36	09:29:55	0.0148	0.0148	1.9733	1.6599

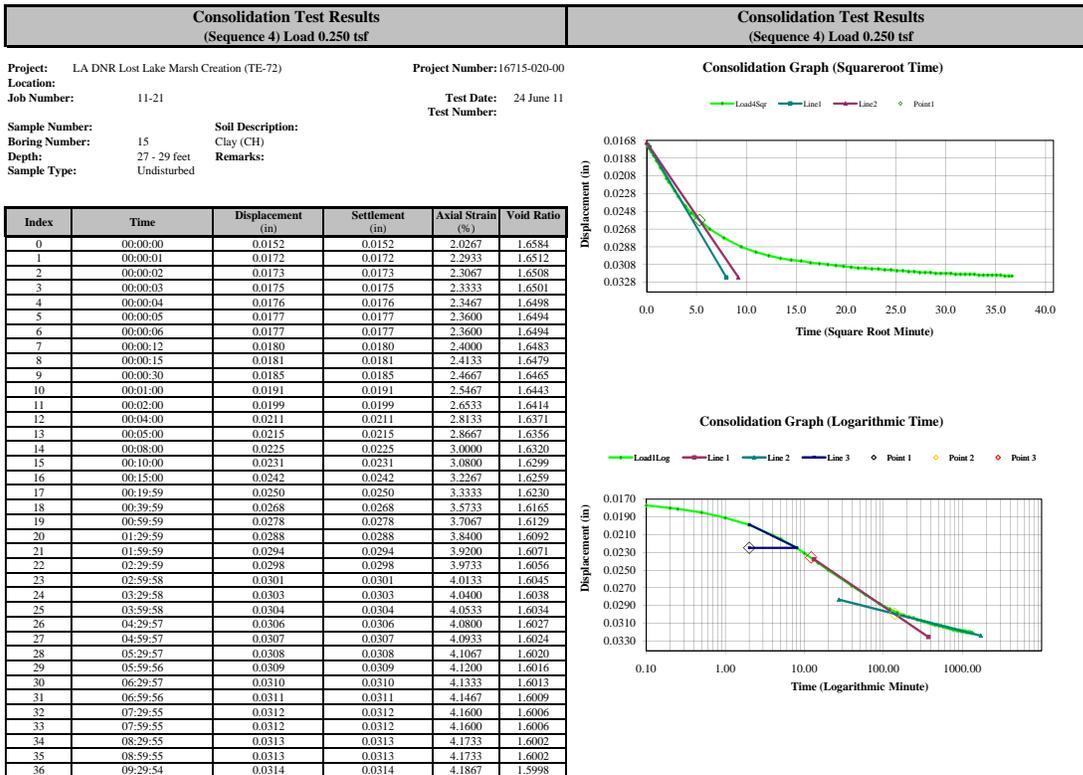
Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	09:59:54	0.0148	0.0148	1.9733	1.6599
38	10:29:54	0.0149	0.0149	1.9867	1.6595
39	10:59:54	0.0149	0.0149	1.9867	1.6595
40	11:29:54	0.0149	0.0149	1.9867	1.6595
41	11:59:53	0.0149	0.0149	1.9867	1.6595
42	12:29:53	0.0149	0.0149	1.9867	1.6595
43	12:59:53	0.0150	0.0150	2.0000	1.6592
44	13:29:52	0.0150	0.0150	2.0000	1.6592
45	13:59:52	0.0150	0.0150	2.0000	1.6592
46	14:29:52	0.0151	0.0151	2.0133	1.6588
47	14:59:52	0.0151	0.0151	2.0133	1.6588
48	15:29:51	0.0151	0.0151	2.0133	1.6588
49	15:59:51	0.0151	0.0151	2.0133	1.6588
50	16:29:51	0.0151	0.0151	2.0133	1.6588
51	16:59:51	0.0151	0.0151	2.0133	1.6588
52	17:29:50	0.0151	0.0151	2.0133	1.6588
53	17:59:50	0.0151	0.0151	2.0133	1.6588
54	18:29:50	0.0151	0.0151	2.0133	1.6588
55	18:59:50	0.0151	0.0151	2.0133	1.6588
56	19:29:49	0.0151	0.0151	2.0133	1.6588
57	19:59:48	0.0152	0.0152	2.0267	1.6584
58	20:29:49	0.0152	0.0152	2.0267	1.6584
59	20:59:48	0.0152	0.0152	2.0267	1.6584
60	21:29:48	0.0152	0.0152	2.0267	1.6584
61	21:59:47	0.0152	0.0152	2.0267	1.6584
62	22:29:47	0.0152	0.0152	2.0267	1.6584
63	22:59:47	0.0152	0.0152	2.0267	1.6584
64	23:29:47	0.0152	0.0152	2.0267	1.6584
65	23:47:08	0.0152	0.0152	2.0267	1.6584



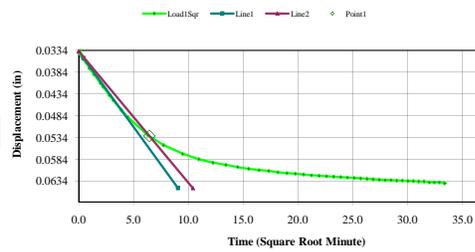
37	09:59:54	0.0314	0.0314	4.1867	1.5998
38	10:29:54	0.0315	0.0315	4.2000	1.5995
39	10:59:54	0.0315	0.0315	4.2000	1.5995
40	11:29:53	0.0316	0.0316	4.2133	1.5991
41	11:59:53	0.0316	0.0316	4.2133	1.5991
42	12:29:53	0.0317	0.0317	4.2267	1.5987
43	12:59:52	0.0317	0.0317	4.2267	1.5987
44	13:29:52	0.0317	0.0317	4.2267	1.5987
45	13:59:52	0.0318	0.0318	4.2400	1.5984
46	14:29:52	0.0318	0.0318	4.2400	1.5984
47	14:59:51	0.0318	0.0318	4.2400	1.5984
48	15:29:51	0.0318	0.0318	4.2400	1.5984
49	15:59:51	0.0319	0.0319	4.2533	1.5980
50	16:29:50	0.0319	0.0319	4.2533	1.5980
51	16:59:50	0.0319	0.0319	4.2533	1.5980
52	17:29:50	0.0319	0.0319	4.2533	1.5980
53	17:59:50	0.0319	0.0319	4.2533	1.5980
54	18:29:49	0.0320	0.0320	4.2667	1.5977
55	18:59:49	0.0320	0.0320	4.2667	1.5977
56	19:29:49	0.0320	0.0320	4.2667	1.5977
57	19:59:48	0.0320	0.0320	4.2667	1.5977
58	20:29:48	0.0320	0.0320	4.2667	1.5977
59	20:59:48	0.0320	0.0320	4.2667	1.5977
60	21:29:48	0.0321	0.0321	4.2800	1.5973
61	21:59:47	0.0321	0.0321	4.2800	1.5973
62	22:21:08	0.0321	0.0321	4.2800	1.5973

Consolidation Test Results (Sequence 5) Load 0.500 tsf	Consolidation Test Results (Sequence 5) Load 0.500 tsf
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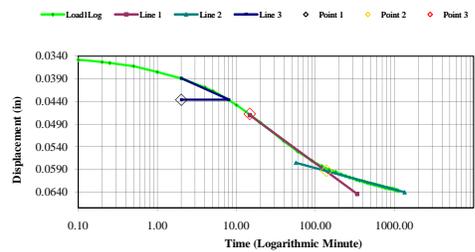
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 24 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 15 Clay (CH)
Depth: 27 - 29 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0321	0.0321	4.2800	1.5973
1	00:00:01	0.0335	0.0335	4.4667	1.5922
2	00:00:02	0.0342	0.0342	4.5600	1.5897
3	00:00:03	0.0344	0.0344	4.5867	1.5890
4	00:00:04	0.0345	0.0345	4.6000	1.5886
5	00:00:05	0.0347	0.0347	4.6267	1.5879
6	00:00:06	0.0348	0.0348	4.6400	1.5875
7	00:00:12	0.0353	0.0353	4.7067	1.5857
8	00:00:15	0.0355	0.0355	4.7333	1.5850
9	00:00:30	0.0362	0.0362	4.8267	1.5825
10	00:01:00	0.0375	0.0375	5.0000	1.5778
11	00:02:00	0.0389	0.0389	5.1867	1.5727
12	00:04:00	0.0409	0.0409	5.4533	1.5655
13	00:05:00	0.0417	0.0417	5.5600	1.5626
14	00:08:01	0.0437	0.0437	5.8267	1.5553
15	00:10:01	0.0448	0.0448	5.9733	1.5513
16	00:15:01	0.0470	0.0470	6.2667	1.5434
17	00:20:01	0.0487	0.0487	6.4933	1.5372
18	00:40:03	0.0528	0.0528	7.0400	1.5224
19	01:00:05	0.0551	0.0551	7.3467	1.5141
20	01:30:07	0.0571	0.0571	7.6133	1.5068
21	02:00:10	0.0583	0.0583	7.7733	1.5025
22	02:30:12	0.0591	0.0591	7.8800	1.4996
23	03:00:14	0.0596	0.0596	7.9467	1.4978
24	03:30:17	0.0601	0.0601	8.0133	1.4960
25	04:00:20	0.0605	0.0605	8.0667	1.4945
26	04:30:22	0.0608	0.0608	8.1067	1.4935
27	05:00:25	0.0610	0.0610	8.1333	1.4927
28	05:30:27	0.0613	0.0613	8.1733	1.4917
29	06:00:29	0.0615	0.0615	8.2000	1.4909
30	06:30:32	0.0616	0.0616	8.2133	1.4906
31	07:00:34	0.0618	0.0618	8.2400	1.4898
32	07:30:37	0.0620	0.0620	8.2667	1.4891
33	08:00:40	0.0621	0.0621	8.2800	1.4888
34	08:30:42	0.0622	0.0622	8.2933	1.4884
35	09:00:44	0.0623	0.0623	8.3067	1.4880
36	09:30:47	0.0624	0.0624	8.3200	1.4877

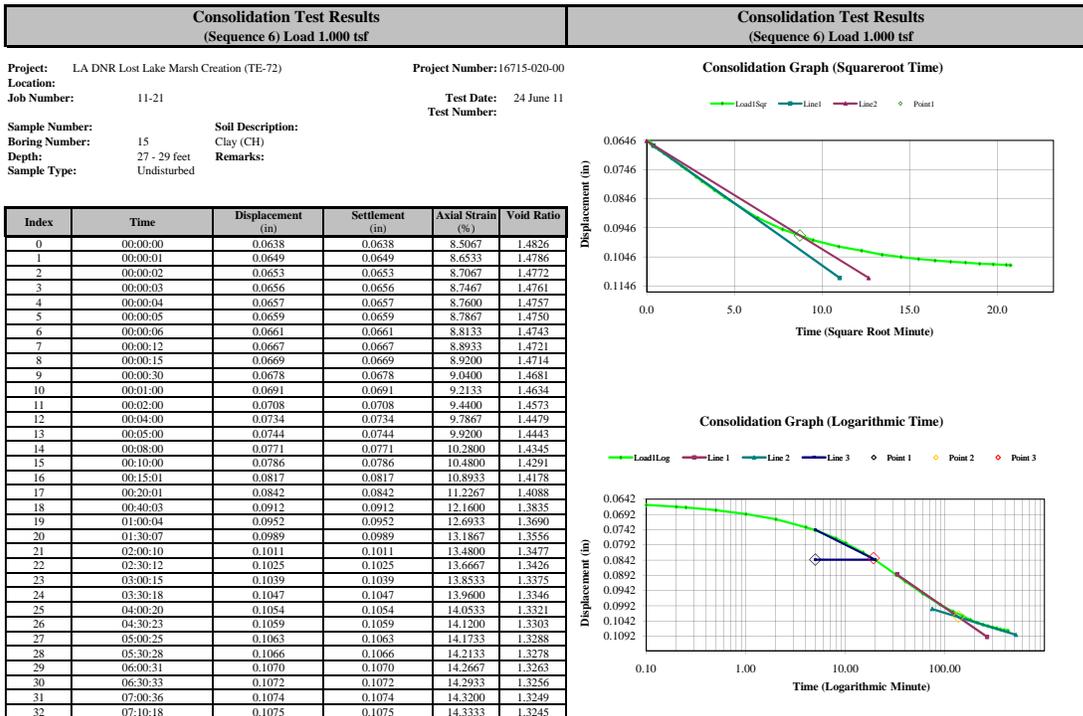
Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:49	0.0625	0.0625	8.3333	1.4873
38	10:30:52	0.0626	0.0626	8.3467	1.4870
39	11:00:55	0.0627	0.0627	8.3600	1.4866
40	11:30:57	0.0628	0.0628	8.3733	1.4862
41	12:00:59	0.0629	0.0629	8.3867	1.4859
42	12:31:02	0.0630	0.0630	8.4000	1.4855
43	13:01:04	0.0631	0.0631	8.4133	1.4851
44	13:31:07	0.0631	0.0631	8.4133	1.4851
45	14:01:10	0.0632	0.0632	8.4267	1.4848
46	14:31:12	0.0632	0.0632	8.4267	1.4848
47	15:01:14	0.0633	0.0633	8.4400	1.4844
48	15:31:17	0.0633	0.0633	8.4400	1.4844
49	16:01:19	0.0634	0.0634	8.4533	1.4841
50	16:31:22	0.0634	0.0634	8.4533	1.4841
51	17:01:24	0.0636	0.0636	8.4800	1.4833
52	17:31:26	0.0636	0.0636	8.4800	1.4833
53	18:01:29	0.0636	0.0636	8.4800	1.4833
54	18:31:32	0.0638	0.0638	8.5067	1.4826
55	18:33:40	0.0638	0.0638	8.5067	1.4826

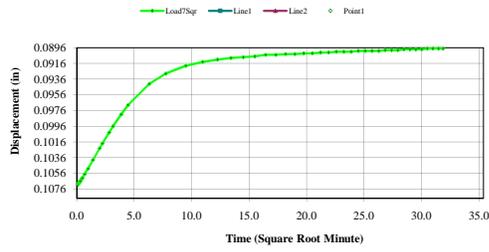


Consolidation Test Results (Sequence 7) Rebound 0.250 tsf	Consolidation Test Results (Sequence 7) Rebound 0.250 tsf
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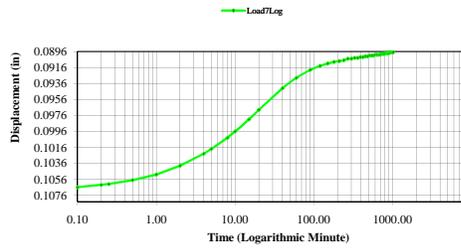
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 24 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 15 Clay (CH)
Depth: 27 - 29 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1075	0.1075	14.3333	1.3245
1	00:00:01	0.1070	0.1070	14.2667	1.3263
2	00:00:02	0.1068	0.1068	14.2400	1.3270
3	00:00:03	0.1068	0.1068	14.2400	1.3270
4	00:00:04	0.1067	0.1067	14.2267	1.3274
5	00:00:05	0.1066	0.1066	14.2133	1.3278
6	00:00:06	0.1066	0.1066	14.2133	1.3278
7	00:00:12	0.1063	0.1063	14.1733	1.3288
8	00:00:15	0.1062	0.1062	14.1600	1.3292
9	00:00:30	0.1057	0.1057	14.0933	1.3310
10	00:01:00	0.1050	0.1050	14.0000	1.3336
11	00:02:00	0.1039	0.1039	13.8533	1.3375
12	00:04:00	0.1024	0.1024	13.6533	1.3430
13	00:05:00	0.1018	0.1018	13.5733	1.3451
14	00:08:01	0.1004	0.1004	13.3867	1.3502
15	00:10:01	0.0996	0.0996	13.2800	1.3531
16	00:15:01	0.0981	0.0981	13.0800	1.3585
17	00:20:02	0.0969	0.0969	12.9200	1.3629
18	00:40:03	0.0942	0.0942	12.5400	1.3726
19	01:00:05	0.0929	0.0929	12.3867	1.3773
20	01:30:08	0.0919	0.0919	12.2533	1.3809
21	02:00:10	0.0914	0.0914	12.1867	1.3828
22	02:30:13	0.0911	0.0911	12.1467	1.3838
23	03:00:16	0.0909	0.0909	12.1200	1.3846
24	03:30:18	0.0908	0.0908	12.1067	1.3849
25	04:00:21	0.0907	0.0907	12.0933	1.3853
26	04:30:24	0.0905	0.0905	12.0667	1.3860
27	05:00:26	0.0905	0.0905	12.0667	1.3860
28	05:30:29	0.0904	0.0904	12.0533	1.3864
29	06:00:32	0.0904	0.0904	12.0533	1.3864
30	06:30:34	0.0903	0.0903	12.0400	1.3867
31	07:00:37	0.0903	0.0903	12.0400	1.3867
32	07:30:40	0.0902	0.0902	12.0267	1.3871
33	08:00:42	0.0902	0.0902	12.0267	1.3871
34	08:30:45	0.0901	0.0901	12.0133	1.3875
35	09:00:47	0.0901	0.0901	12.0133	1.3875
36	09:30:50	0.0901	0.0901	12.0133	1.3875

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

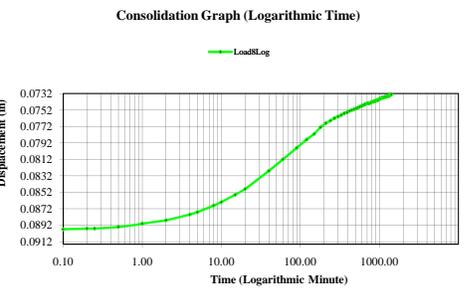
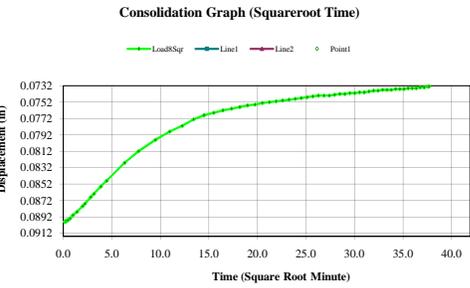


37	10:00:53	0.0900	0.0900	12.0000	1.3878
38	10:30:55	0.0900	0.0900	12.0000	1.3878
39	11:00:58	0.0900	0.0900	12.0000	1.3878
40	11:31:01	0.0900	0.0900	12.0000	1.3878
41	12:01:03	0.0899	0.0899	11.9867	1.3882
42	12:31:06	0.0899	0.0899	11.9867	1.3882
43	13:01:09	0.0899	0.0899	11.9867	1.3882
44	13:31:11	0.0898	0.0898	11.9733	1.3885
45	14:01:14	0.0898	0.0898	11.9733	1.3885
46	14:31:17	0.0898	0.0898	11.9733	1.3885
47	15:01:19	0.0898	0.0898	11.9733	1.3885
48	15:31:22	0.0897	0.0897	11.9600	1.3889
49	16:01:25	0.0897	0.0897	11.9600	1.3889
50	16:31:27	0.0897	0.0897	11.9600	1.3889
51	16:56:50	0.0897	0.0897	11.9600	1.3889

Consolidation Test Results (Sequence 8) Rebound 0.063 tsf	Consolidation Test Results (Sequence 8) Rebound 0.063 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 24 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 15 **Clay (CH)**
Depth: 27 - 29 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0897	0.0897	11.9600	1.3889
1	00:00:01	0.0898	0.0898	11.9733	1.3885
2	00:00:02	0.0898	0.0898	11.9733	1.3885
3	00:00:03	0.0898	0.0898	11.9733	1.3885
4	00:00:04	0.0897	0.0897	11.9600	1.3889
5	00:00:05	0.0897	0.0897	11.9600	1.3889
6	00:00:06	0.0897	0.0897	11.9600	1.3889
7	00:00:12	0.0896	0.0896	11.9467	1.3893
8	00:00:15	0.0896	0.0896	11.9467	1.3893
9	00:00:30	0.0894	0.0894	11.9200	1.3900
10	00:01:00	0.0890	0.0890	11.8667	1.3914
11	00:02:00	0.0886	0.0886	11.8133	1.3929
12	00:04:00	0.0879	0.0879	11.7200	1.3954
13	00:05:00	0.0876	0.0876	11.6800	1.3965
14	00:08:00	0.0868	0.0868	11.5733	1.3994
15	00:10:00	0.0864	0.0864	11.5200	1.4008
16	00:15:01	0.0855	0.0855	11.4000	1.4041
17	00:20:01	0.0848	0.0848	11.3067	1.4066
18	00:40:03	0.0826	0.0826	11.0133	1.4146
19	01:00:05	0.0812	0.0812	10.8267	1.4197
20	01:30:08	0.0798	0.0798	10.6400	1.4247
21	02:00:10	0.0788	0.0788	10.5067	1.4283
22	02:30:13	0.0781	0.0781	10.4133	1.4309
23	03:00:16	0.0773	0.0773	10.3067	1.4338
24	03:30:18	0.0768	0.0768	10.2400	1.4356
25	04:00:21	0.0765	0.0765	10.2000	1.4367
26	04:30:24	0.0762	0.0762	10.1600	1.4377
27	05:00:26	0.0760	0.0760	10.1333	1.4385
28	05:30:29	0.0758	0.0758	10.1067	1.4392
29	06:00:32	0.0756	0.0756	10.0800	1.4399
30	06:30:34	0.0755	0.0755	10.0667	1.4403
31	07:00:37	0.0753	0.0753	10.0400	1.4410
32	07:30:40	0.0752	0.0752	10.0267	1.4414
33	08:00:42	0.0751	0.0751	10.0133	1.4417
34	08:30:45	0.0750	0.0750	10.0000	1.4421
35	09:00:48	0.0749	0.0749	9.9867	1.4425
36	09:30:50	0.0748	0.0748	9.9733	1.4428



37	10:00:53	0.0747	0.0747	9.9600	1.4432
38	10:30:56	0.0746	0.0746	9.9467	1.4435
39	11:00:58	0.0745	0.0745	9.9333	1.4439
40	11:31:01	0.0744	0.0744	9.9200	1.4443
41	12:01:04	0.0744	0.0744	9.9200	1.4443
42	12:31:06	0.0744	0.0744	9.9200	1.4443
43	13:01:09	0.0743	0.0743	9.9067	1.4446
44	13:31:12	0.0742	0.0742	9.8933	1.4450
45	14:01:14	0.0742	0.0742	9.8933	1.4450
46	14:31:17	0.0741	0.0741	9.8800	1.4453
47	15:01:20	0.0741	0.0741	9.8800	1.4453
48	15:31:22	0.0740	0.0740	9.8667	1.4457
49	16:01:25	0.0740	0.0740	9.8667	1.4457
50	16:31:28	0.0739	0.0739	9.8533	1.4461
51	17:01:31	0.0738	0.0738	9.8400	1.4464
52	17:31:33	0.0738	0.0738	9.8400	1.4464
53	18:01:36	0.0737	0.0737	9.8267	1.4468
54	18:31:39	0.0737	0.0737	9.8267	1.4468
55	19:01:41	0.0737	0.0737	9.8267	1.4468
56	19:31:44	0.0736	0.0736	9.8133	1.4472
57	20:01:46	0.0736	0.0736	9.8133	1.4472
58	20:31:49	0.0736	0.0736	9.8133	1.4472
59	21:01:52	0.0735	0.0735	9.8000	1.4475
60	21:31:54	0.0735	0.0735	9.8000	1.4475
61	22:01:57	0.0735	0.0735	9.8000	1.4475
62	22:32:00	0.0734	0.0734	9.7867	1.4479
63	23:02:02	0.0734	0.0734	9.7867	1.4479
64	23:32:05	0.0733	0.0733	9.7733	1.4482
65	23:39:52	0.0733	0.0733	9.7733	1.4482

Consolidation Test Results
(Sequence 9) Load 0.250 tsf

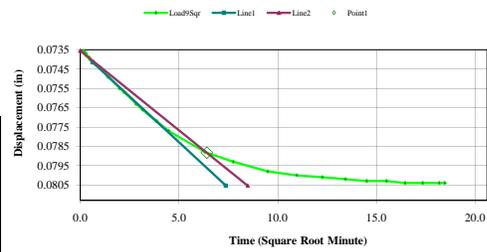
Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 24 June 11
 Test Number:
 Sample Number: Soil Description: Clay (CH)
 Boring Number: 15 Depth: 27 - 29 feet Remarks:
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0733	0.0733	9.7733	1.4482
1	00:00:01	0.0736	0.0736	9.8133	1.4472
2	00:00:02	0.0736	0.0736	9.8133	1.4472
3	00:00:03	0.0736	0.0736	9.8133	1.4472
4	00:00:04	0.0737	0.0737	9.8267	1.4468
5	00:00:05	0.0737	0.0737	9.8267	1.4468
6	00:00:06	0.0738	0.0738	9.8400	1.4464
7	00:00:12	0.0739	0.0739	9.8533	1.4461
8	00:00:15	0.0740	0.0740	9.8667	1.4457
9	00:00:30	0.0742	0.0742	9.8933	1.4450
10	00:01:00	0.0744	0.0744	9.9200	1.4443
11	00:02:00	0.0749	0.0749	9.9867	1.4425
12	00:04:00	0.0755	0.0755	10.0667	1.4403
13	00:05:01	0.0757	0.0757	10.0933	1.4396
14	00:08:01	0.0763	0.0763	10.1733	1.4374
15	00:10:01	0.0766	0.0766	10.2133	1.4363
16	00:15:01	0.0772	0.0772	10.2933	1.4341
17	00:20:02	0.0777	0.0777	10.3600	1.4323
18	00:40:04	0.0788	0.0788	10.5067	1.4283
19	01:00:05	0.0793	0.0793	10.5733	1.4265
20	01:30:08	0.0798	0.0798	10.6400	1.4247
21	02:00:11	0.0800	0.0800	10.6667	1.4240
22	02:30:13	0.0801	0.0801	10.6800	1.4236
23	03:00:16	0.0802	0.0802	10.6933	1.4233
24	03:30:19	0.0803	0.0803	10.7067	1.4229
25	04:00:21	0.0803	0.0803	10.7067	1.4229
26	04:30:24	0.0804	0.0804	10.7200	1.4226
27	05:00:27	0.0804	0.0804	10.7200	1.4226
28	05:30:29	0.0804	0.0804	10.7200	1.4226
29	05:40:19	0.0804	0.0804	10.7200	1.4226

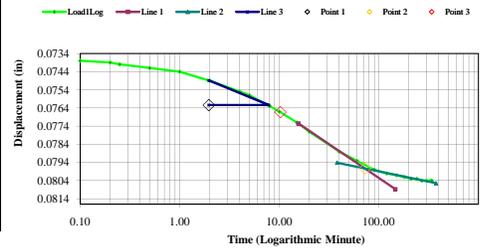
Tested By: Checked By:

Consolidation Test Results
(Sequence 9) Load 0.250 tsf

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



Consolidation Test Results
(Sequence 10) Load 0.500 tsf

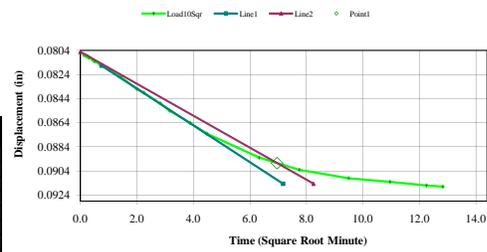
Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 24 June 11
 Test Number:
 Sample Number: Soil Description: Clay (CH)
 Boring Number: 15 Depth: 27 - 29 feet Remarks:
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0804	0.0804	10.7200	1.4226
1	00:00:01	0.0808	0.0808	10.7733	1.4211
2	00:00:02	0.0808	0.0808	10.7733	1.4211
3	00:00:03	0.0809	0.0809	10.7867	1.4207
4	00:00:04	0.0809	0.0809	10.7867	1.4207
5	00:00:05	0.0810	0.0810	10.8000	1.4204
6	00:00:06	0.0810	0.0810	10.8000	1.4204
7	00:00:12	0.0812	0.0812	10.8267	1.4197
8	00:00:15	0.0813	0.0813	10.8400	1.4193
9	00:00:30	0.0816	0.0816	10.8800	1.4182
10	00:01:01	0.0820	0.0820	10.9333	1.4168
11	00:02:01	0.0826	0.0826	11.0133	1.4146
12	00:04:01	0.0836	0.0836	11.1467	1.4110
13	00:05:01	0.0839	0.0839	11.1867	1.4099
14	00:08:01	0.0848	0.0848	11.3067	1.4066
15	00:10:01	0.0854	0.0854	11.3867	1.4045
16	00:15:02	0.0864	0.0864	11.5200	1.4008
17	00:20:02	0.0873	0.0873	11.6400	1.3976
18	00:40:04	0.0893	0.0893	11.9067	1.3904
19	01:00:06	0.0903	0.0903	12.0400	1.3867
20	01:30:08	0.0910	0.0910	12.1333	1.3842
21	02:00:11	0.0913	0.0913	12.1733	1.3831
22	02:30:14	0.0916	0.0916	12.2133	1.3820
23	02:44:34	0.0917	0.0917	12.2267	1.3817

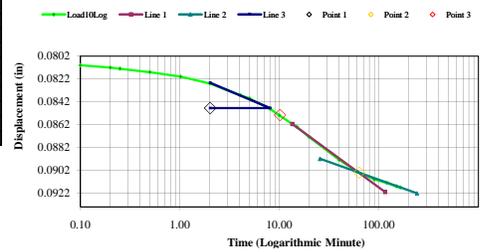
Tested By: Checked By:

Consolidation Test Results
(Sequence 10) Load 0.500 tsf

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



Consolidation Test Results
(Sequence 11) Load 1,000 tsf

Consolidation Test Results
(Sequence 11) Load 1,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

Project Number: 16715-020-00

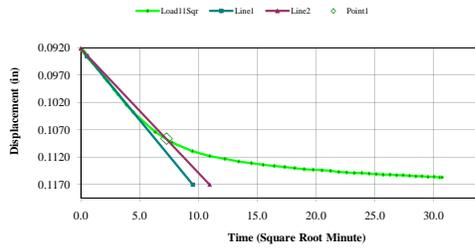
Test Date: 24 June 11
Test Number:

Sample Number:
Boring Number: 15
Depth: 27 - 29 feet
Sample Type: Undisturbed

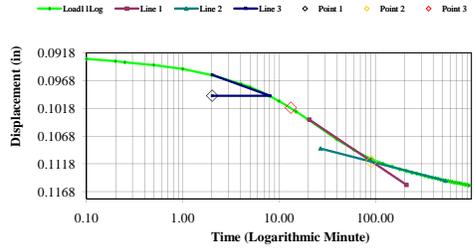
Soil Description:
Clay (CH)
Remarks:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0917	0.0917	12.2267	1.3817
1	00:00:01	0.0924	0.0924	12.3200	1.3791
2	00:00:02	0.0925	0.0925	12.3333	1.3788
3	00:00:03	0.0927	0.0927	12.3600	1.3781
4	00:00:04	0.0928	0.0928	12.3733	1.3777
5	00:00:05	0.0928	0.0928	12.3733	1.3777
6	00:00:06	0.0929	0.0929	12.3867	1.3773
7	00:00:12	0.0933	0.0933	12.4400	1.3759
8	00:00:15	0.0935	0.0935	12.4667	1.3752
9	00:00:30	0.0940	0.0940	12.5333	1.3733
10	00:01:00	0.0947	0.0947	12.6267	1.3708
11	00:02:00	0.0958	0.0958	12.7733	1.3668
12	00:04:01	0.0974	0.0974	12.9867	1.3610
13	00:05:01	0.0980	0.0980	13.0667	1.3589
14	00:08:01	0.0996	0.0996	13.2800	1.3531
15	00:10:01	0.1005	0.1005	13.4000	1.3498
16	00:15:01	0.1024	0.1024	13.6533	1.3430
17	00:20:02	0.1038	0.1038	13.8400	1.3379
18	00:40:04	0.1074	0.1074	14.3200	1.3249
19	01:00:05	0.1093	0.1093	14.5733	1.3180
20	01:30:08	0.1109	0.1109	14.7867	1.3122
21	02:00:11	0.1118	0.1118	14.9067	1.3089
22	02:30:13	0.1123	0.1123	14.9733	1.3071
23	03:00:16	0.1128	0.1128	15.0400	1.3053
24	03:30:19	0.1131	0.1131	15.0800	1.3042
25	04:00:21	0.1134	0.1134	15.1200	1.3032
26	04:30:24	0.1136	0.1136	15.1467	1.3024
27	05:00:26	0.1138	0.1138	15.1733	1.3017
28	05:30:29	0.1140	0.1140	15.2000	1.3010
29	06:00:32	0.1142	0.1142	15.2267	1.3003
30	06:30:34	0.1143	0.1143	15.2400	1.2999
31	07:00:37	0.1144	0.1144	15.2533	1.2995
32	07:30:40	0.1145	0.1145	15.2667	1.2992
33	08:00:43	0.1147	0.1147	15.2933	1.2985
34	08:30:45	0.1148	0.1148	15.3067	1.2981
35	09:00:48	0.1149	0.1149	15.3200	1.2977
36	09:30:51	0.1149	0.1149	15.3200	1.2977

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:53	0.1150	0.1150	15.3333	1.2974
38	10:30:56	0.1151	0.1151	15.3467	1.2970
39	11:00:59	0.1152	0.1152	15.3600	1.2966
40	11:31:01	0.1152	0.1152	15.3600	1.2966
41	12:01:04	0.1153	0.1153	15.3733	1.2963
42	12:31:07	0.1153	0.1153	15.3733	1.2963
43	13:01:09	0.1154	0.1154	15.3867	1.2959
44	13:31:12	0.1155	0.1155	15.4000	1.2956
45	14:01:15	0.1155	0.1155	15.4000	1.2956
46	14:31:17	0.1156	0.1156	15.4133	1.2952
47	15:01:20	0.1156	0.1156	15.4133	1.2952
48	15:31:23	0.1157	0.1157	15.4267	1.2948
49	15:42:26	0.1157	0.1157	15.4267	1.2948

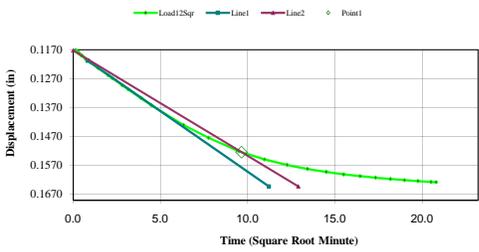
Consolidation Test Results
(Sequence 12) Load 2,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 24 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
 Boring Number: 15 Clay (CH)
 Depth: 27 - 29 feet **Remarks:**
 Sample Type: Undisturbed

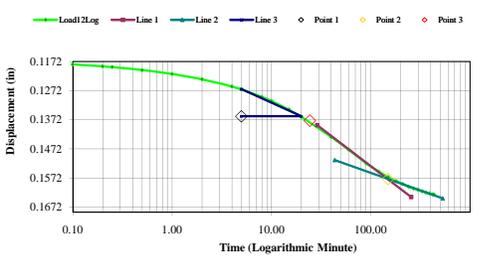
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1157	0.1157	15.4267	1.2948
1	00:00:01	0.1171	0.1171	15.6133	1.2898
2	00:00:02	0.1175	0.1175	15.6667	1.2883
3	00:00:03	0.1176	0.1176	15.6800	1.2880
4	00:00:04	0.1179	0.1179	15.7200	1.2869
5	00:00:05	0.1180	0.1180	15.7333	1.2865
6	00:00:06	0.1182	0.1182	15.7600	1.2858
7	00:00:12	0.1189	0.1189	15.8533	1.2833
8	00:00:15	0.1191	0.1191	15.8800	1.2825
9	00:00:30	0.1202	0.1202	16.0267	1.2786
10	00:01:00	0.1215	0.1215	16.2000	1.2739
11	00:02:00	0.1233	0.1233	16.4400	1.2673
12	00:04:00	0.1258	0.1258	16.7733	1.2583
13	00:05:00	0.1268	0.1268	16.9067	1.2547
14	00:08:00	0.1294	0.1294	17.2533	1.2453
15	00:10:00	0.1308	0.1308	17.4400	1.2402
16	00:15:01	0.1337	0.1337	17.8267	1.2297
17	00:20:01	0.1362	0.1362	18.1600	1.2207
18	00:40:03	0.1431	0.1431	19.0800	1.1957
19	01:00:05	0.1475	0.1475	19.6667	1.1798
20	01:30:08	0.1522	0.1522	20.2933	1.1628
21	02:00:10	0.1550	0.1550	20.6667	1.1527
22	02:30:13	0.1569	0.1569	20.9200	1.1458
23	03:00:16	0.1583	0.1583	21.1067	1.1407
24	03:30:18	0.1593	0.1593	21.2400	1.1371
25	04:00:21	0.1602	0.1602	21.3600	1.1338
26	04:30:24	0.1608	0.1608	21.4400	1.1317
27	05:00:26	0.1613	0.1613	21.5067	1.1299
28	05:30:29	0.1618	0.1618	21.5733	1.1281
29	06:00:32	0.1622	0.1622	21.6267	1.1266
30	06:30:34	0.1625	0.1625	21.6667	1.1255
31	07:00:37	0.1628	0.1628	21.7067	1.1244
32	07:12:40	0.1629	0.1629	21.7200	1.1241

Consolidation Test Results
(Sequence 12) Load 2,000 tsf

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



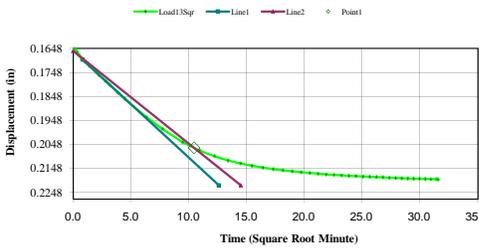
Consolidation Test Results
(Sequence 13) Load 4,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 24 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
 Boring Number: 15 Clay (CH)
 Depth: 27 - 29 feet **Remarks:**
 Sample Type: Undisturbed

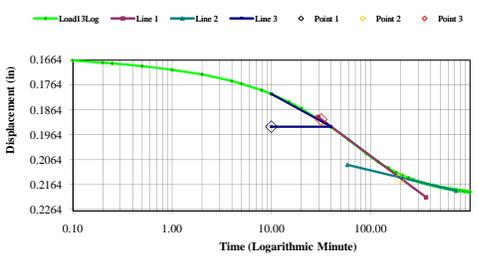
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1629	0.1629	21.7200	1.1241
1	00:00:01	0.1650	0.1650	22.0000	1.1165
2	00:00:02	0.1655	0.1655	22.0667	1.1147
3	00:00:03	0.1658	0.1658	22.1067	1.1136
4	00:00:04	0.1661	0.1661	22.1467	1.1125
5	00:00:05	0.1664	0.1664	22.1867	1.1114
6	00:00:06	0.1665	0.1665	22.2000	1.1110
7	00:00:12	0.1674	0.1674	22.3200	1.1078
8	00:00:15	0.1677	0.1677	22.3600	1.1067
9	00:00:30	0.1688	0.1688	22.5067	1.1027
10	00:01:00	0.1703	0.1703	22.7067	1.0973
11	00:02:00	0.1721	0.1721	22.9467	1.0908
12	00:04:00	0.1748	0.1748	23.3067	1.0810
13	00:05:00	0.1759	0.1759	23.4533	1.0770
14	00:08:00	0.1785	0.1785	23.8000	1.0676
15	00:10:01	0.1800	0.1800	24.0000	1.0622
16	00:15:01	0.1832	0.1832	24.4267	1.0506
17	00:20:02	0.1858	0.1858	24.7733	1.0412
18	00:40:04	0.1934	0.1934	25.7867	1.0137
19	01:00:06	0.1984	0.1984	26.4533	0.9956
20	01:30:10	0.2039	0.2039	27.1867	0.9757
21	02:00:14	0.2074	0.2074	27.6533	0.9631
22	02:30:18	0.2097	0.2097	27.9600	0.9548
23	03:00:21	0.2115	0.2115	28.2000	0.9482
24	03:30:25	0.2127	0.2127	28.3600	0.9439
25	04:00:29	0.2137	0.2137	28.4933	0.9403
26	04:30:32	0.2145	0.2145	28.6000	0.9374
27	05:00:36	0.2151	0.2151	28.6800	0.9352
28	05:30:39	0.2156	0.2156	28.7467	0.9334
29	06:00:43	0.2160	0.2160	28.8000	0.9320
30	06:30:47	0.2164	0.2164	28.8533	0.9308
31	07:00:50	0.2167	0.2167	28.8933	0.9294
32	07:30:54	0.2170	0.2170	28.9333	0.9283
33	08:00:58	0.2173	0.2173	28.9733	0.9273
34	08:31:02	0.2175	0.2175	29.0000	0.9265
35	09:01:05	0.2177	0.2177	29.0267	0.9258
36	09:31:09	0.2179	0.2179	29.0533	0.9251

Consolidation Test Results
(Sequence 13) Load 4,000 tsf

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

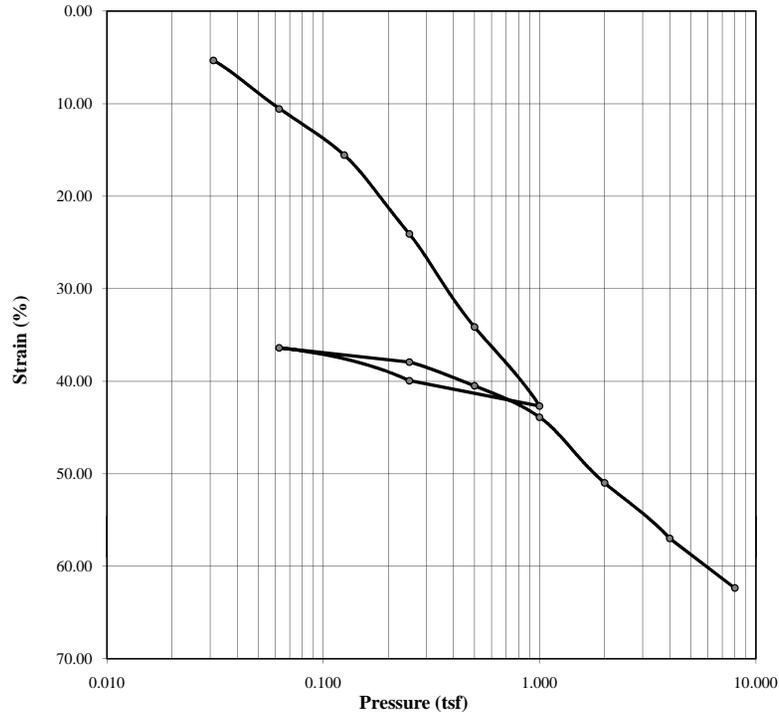


37	10:01:13	0.2180	0.2180	29.0667	0.9247
38	10:31:16	0.2182	0.2182	29.0933	0.9240
39	11:01:20	0.2183	0.2183	29.1067	0.9236
40	11:31:23	0.2184	0.2184	29.1200	0.9233
41	12:01:27	0.2185	0.2185	29.1333	0.9229
42	12:31:31	0.2187	0.2187	29.1600	0.9222
43	13:01:34	0.2188	0.2188	29.1733	0.9218
44	13:31:38	0.2189	0.2189	29.1867	0.9215
45	14:01:42	0.2190	0.2190	29.2000	0.9211
46	14:31:45	0.2191	0.2191	29.2133	0.9207
47	15:01:49	0.2191	0.2191	29.2133	0.9207
48	15:31:53	0.2192	0.2192	29.2267	0.9204
49	16:01:56	0.2193	0.2193	29.2400	0.9200
50	16:32:00	0.2193	0.2193	29.2400	0.9200
51	16:39:51	0.2194	0.2194	29.2533	0.9197

Consolidation Test Results (Sequence 14) Load 8.000 tsf						Consolidation Test Results (Sequence 14) Load 8.000 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			<div style="text-align: center;"> Consolidation Graph (Square-root Time) </div>					
Location:			Test Date: 24 June 11								
Job Number: 11-21			Test Number:								
Sample Number:			Soil Description:								
Boring Number: 15			Clay (CH)			<div style="text-align: center;"> Consolidation Graph (Logarithmic Time) </div>					
Depth: 27 - 29 feet			Remarks:								
Sample Type: Undisturbed											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.2194	0.2194	29.2533	0.9197						
1	00:00:01	0.2217	0.2217	29.5600	0.9113						
2	00:00:02	0.2221	0.2221	29.6133	0.9099						
3	00:00:03	0.2224	0.2224	29.6533	0.9088						
4	00:00:04	0.2226	0.2226	29.6800	0.9081						
5	00:00:05	0.2229	0.2229	29.7200	0.9070						
6	00:00:06	0.2231	0.2231	29.7467	0.9063						
7	00:00:12	0.2238	0.2238	29.8400	0.9037						
8	00:00:15	0.2240	0.2240	29.8667	0.9030						
9	00:00:30	0.2248	0.2248	29.9733	0.9001						
10	00:01:00	0.2260	0.2260	30.1333	0.8958						
11	00:02:00	0.2275	0.2275	30.3333	0.8904						
12	00:04:01	0.2296	0.2296	30.6133	0.8828						
13	00:05:01	0.2304	0.2304	30.7200	0.8799						
14	00:08:00	0.2326	0.2326	31.0133	0.8719						
15	00:10:01	0.2338	0.2338	31.1733	0.8676						
16	00:15:02	0.2364	0.2364	31.5200	0.8582						
17	00:20:02	0.2385	0.2385	31.8000	0.8506						
18	00:40:04	0.2448	0.2448	32.6400	0.8278						
19	01:00:07	0.2491	0.2491	33.2133	0.8122						
20	01:30:10	0.2536	0.2536	33.8133	0.7959						
21	02:00:14	0.2566	0.2566	34.2133	0.7851						
22	02:30:18	0.2588	0.2588	34.5067	0.7771						
23	03:00:21	0.2604	0.2604	34.7200	0.7713						
24	03:30:25	0.2616	0.2616	34.8800	0.7670						
25	04:00:29	0.2625	0.2625	35.0000	0.7637						
26	04:30:33	0.2632	0.2632	35.0933	0.7612						
27	05:00:36	0.2638	0.2638	35.1733	0.7590						
28	05:26:03	0.2645	0.2645	35.2667	0.7565						
Tested By:			Checked By:								



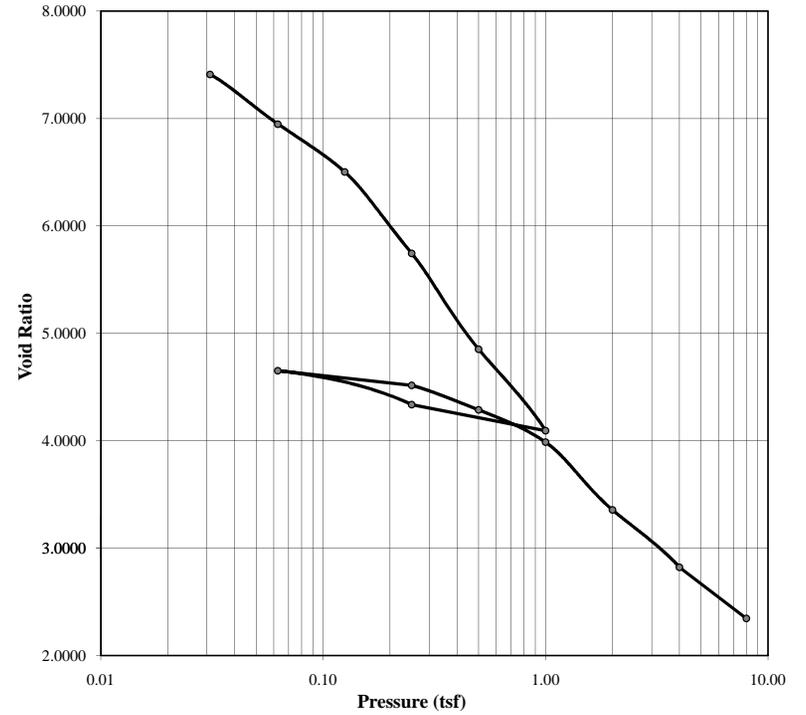
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	215	Test Date:	15 June 2011
Moisture (%):	349.48	70.22	Plastic Limits:	90		
Dry Density (pcf):	15.92	47.11	Plasticity Index (%):	125		
Saturation (%):	100.41	79.38				
Void Ratio:	7.8884	2.3468	Specific Gravity:	2.270	Measured	
Sample Description:	Peat (PT)					
Sample Number:	16715-020-00	Depth:	4 - 6 feet		Remarks:	
Sample Number:		Boring Number:	16			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



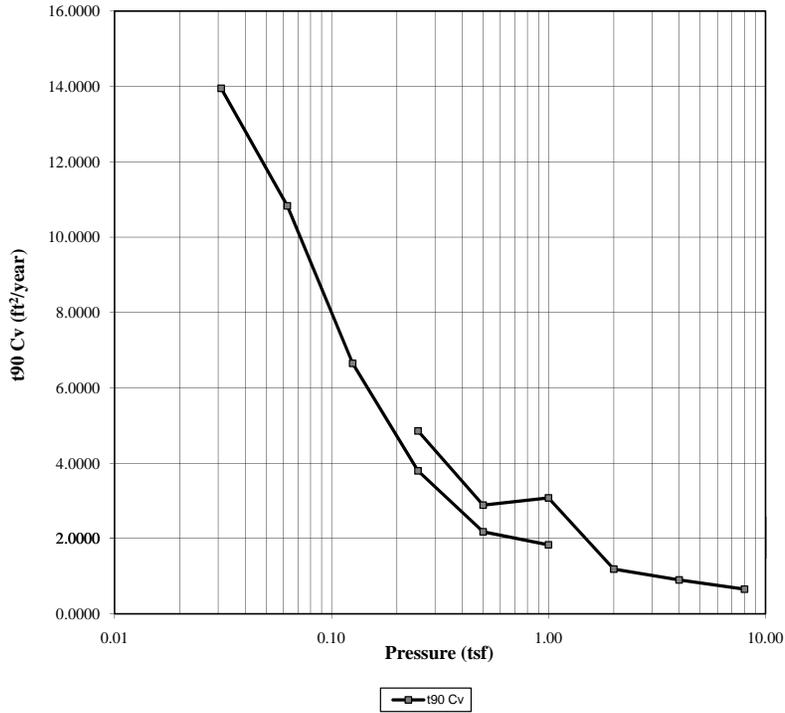
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	215	Test Date:	15 June 2011
Moisture (%):	349.48	70.22	Plastic Limits:	90		
Dry Density (pcf):	15.92	47.11	Plasticity Index (%):	125		
Saturation (%):	100.41	79.38				
Void Ratio:	7.8884	2.3468	Specific Gravity:	2.270	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00	Depth:	4 - 6 feet		Remarks:	
Sample Number:		Boring Number:	16			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



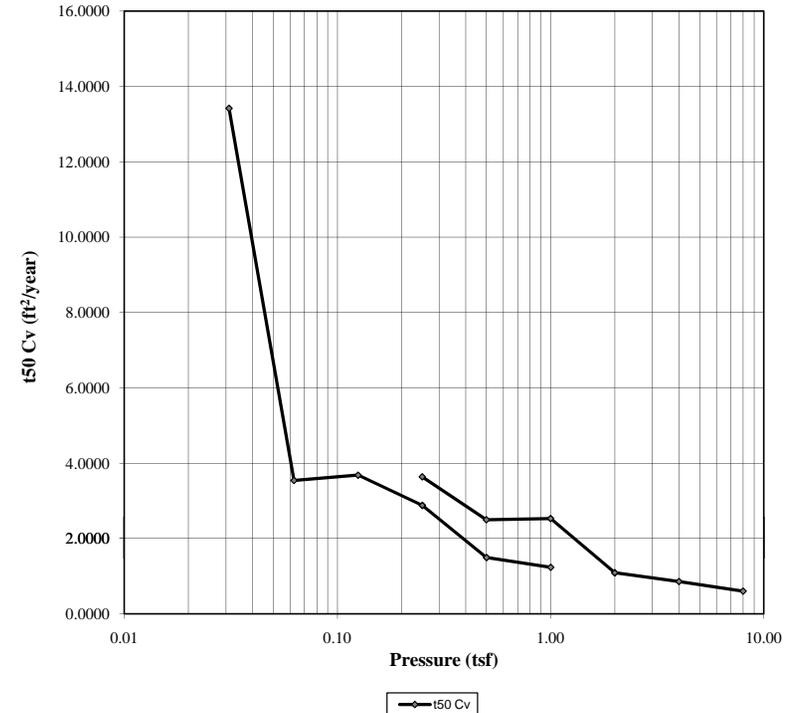
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	215	Test Date:	15 June 2011
Moisture (%):	349.48	70.22	Plastic Limits:	90		
Dry Density (pcf):	15.92	47.11	Plasticity Index (%):	125		
Saturation (%):	100.41	79.38				
Void Ratio:	7.8884	2.3468	Specific Gravity:	2.270	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00	Depth:	4 - 6 feet		Remarks:	
Sample Number:		Boring Number:	16			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	215	Test Date:	15 June 2011
Moisture (%):	349.48	70.22	Plastic Limits:	90		
Dry Density (pcf):	15.92	47.11	Plasticity Index (%):	125		
Saturation (%):	100.41	79.38				
Void Ratio:	7.8884	2.3468	Specific Gravity:	2.270	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00	Depth:	4 - 6 feet		Remarks:	
Sample Number:		Boring Number:	16			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)
 Location: 11-21
 Job Number: 11-21

Project Number: 16715-020-00

Sample Number: 16
 Boring Number: 4 - 6 feet
 Depth: Undisturbed
 Sample Type:

Sample Description: Peat (PT)
 Remarks:

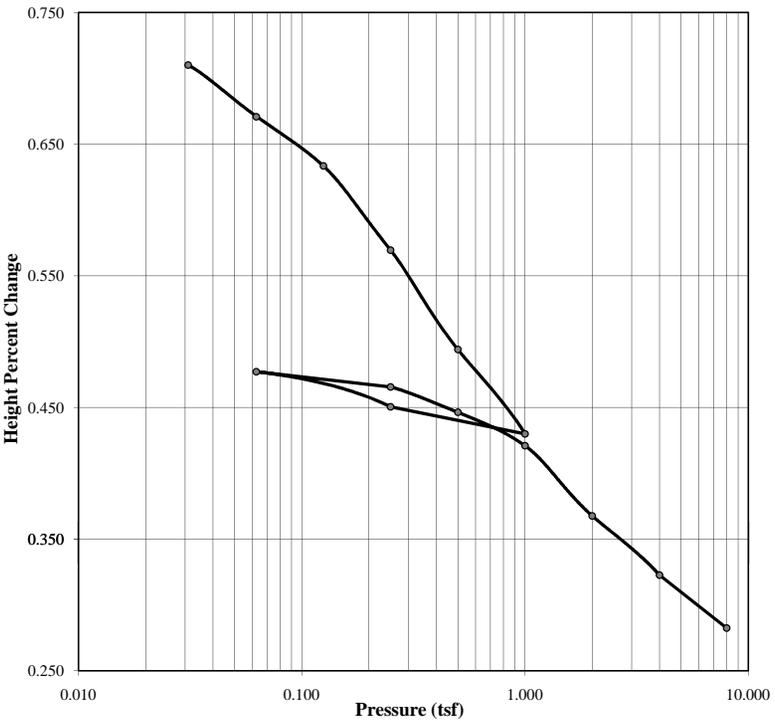
Test Number: 15 June 2011
 Test Date:

Index	Load Sequence (tsf)	Cumulative Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	190 Fitting Time (min)	150 Fitting Time (min)	190 Cv (ft ² /year)	150 Cv (ft ² /year)
0	0.000	0.0000	0.2500	0.6656	0.00	7.8847	0.000	0.000	0.000	0.000
1	0.031	0.0400	0.7100	0.6256	5.33	7.4108	27.961	6.754	13.950	13.418
2	0.063	0.0792	0.6708	0.5864	10.56	6.9464	32.148	22.837	10.831	3.542
3	0.125	0.1166	0.6334	0.5490	15.55	6.5034	46.676	19.587	6.651	3.682
4	0.250	0.1806	0.5694	0.4830	24.08	5.7452	66.080	20.243	3.797	2.879
5	0.500	0.2560	0.4940	0.4096	34.13	4.8520	86.630	29.339	2.180	1.494
6	1.000	0.3201	0.4299	0.3455	42.68	4.0927	78.165	26.872	1.830	1.236
7	0.250	0.2995	0.4505	0.3661	39.93	4.3367	0.000	0.000	0.000	0.000
8	0.063	0.2729	0.4771	0.3927	36.39	4.6518	0.000	0.000	0.000	0.000
9	0.250	0.2844	0.4656	0.3812	37.92	4.5156	10.716	10.716	4.856	3.656
10	0.500	0.3037	0.4463	0.3619	40.49	4.2870	53.375	14.335	2.888	2.498
11	1.000	0.3291	0.4209	0.3365	43.88	3.9861	44.557	12.592	3.077	2.329
12	2.000	0.3824	0.3676	0.2832	50.99	3.3547	88.139	22.279	1.186	1.090
13	4.000	0.4274	0.3226	0.2382	56.99	2.8216	89.615	21.770	0.899	0.899
14	8.000	0.4676	0.2824	0.1980	62.35	2.3454	93.917	23.770	0.657	0.603

Predicted value indicated with *



Consolidation Test Test Results



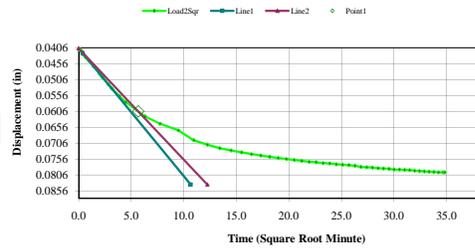
	Before	After	Liquid Limits:	215	Test Date:	15 June 2011
Moisture (%):	349.48	70.22	Plastic Limits:	90		
Dry Density (pcf):	15.92	47.11	Plasticity Index (%):	125		
Saturation (%):	100.41	79.38				
Void Ratio:	7.8884	2.3468	Specific Gravity:	2.270	Measured	
Soil Description:	Peat (PT)					
Sample Number:	16715-020-00	Depth:	4 - 6 feet			
Sample Number:	Boring Number: 16		Remarks:			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results (Sequence 2) Load 0.063 tsf	Consolidation Test Results (Sequence 2) Load 0.063 tsf
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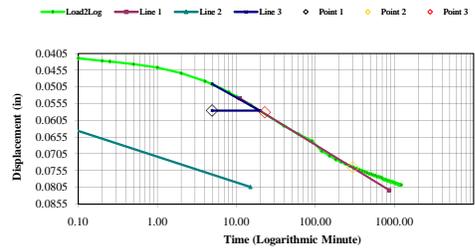
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 15 June 2011
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
 Boring Number: 16 Peat (PT)
 Depth: 4 - 6 feet **Remarks:**
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0406	0.0400	5.3333	7.4143
1	00:00:01	0.0411	0.0405	5.4000	7.4084
2	00:00:02	0.0414	0.0408	5.4400	7.4048
3	00:00:03	0.0415	0.0409	5.4533	7.4037
4	00:00:04	0.0417	0.0411	5.4800	7.4013
5	00:00:05	0.0418	0.0412	5.4933	7.4001
6	00:00:06	0.0419	0.0413	5.5067	7.3989
7	00:00:12	0.0427	0.0421	5.6133	7.3894
8	00:00:15	0.0429	0.0423	5.6400	7.3871
9	00:00:30	0.0437	0.0431	5.7467	7.3776
10	00:01:00	0.0447	0.0441	5.8800	7.3657
11	00:02:00	0.0464	0.0458	6.1067	7.3456
12	00:04:00	0.0488	0.0482	6.4267	7.3171
13	00:05:01	0.0498	0.0492	6.5600	7.3053
14	00:08:01	0.0521	0.0515	6.8667	7.2780
15	00:10:01	0.0534	0.0528	7.0400	7.2626
16	00:15:01	0.0558	0.0552	7.3600	7.2342
17	00:20:02	0.0577	0.0571	7.6133	7.2117
18	00:40:03	0.0622	0.0616	8.2133	7.1583
19	01:00:05	0.0645	0.0639	8.5200	7.1311
20	01:30:07	0.0666	0.0660	8.8000	7.1062
21	02:00:09	0.0697	0.0691	9.2133	7.0695
22	02:30:12	0.0711	0.0705	9.4000	7.0529
23	03:00:14	0.0722	0.0716	9.5467	7.0398
24	03:30:16	0.0729	0.0723	9.6400	7.0315
25	04:00:18	0.0735	0.0729	9.7200	7.0244
26	04:30:21	0.0741	0.0735	9.8000	7.0173
27	05:00:23	0.0745	0.0739	9.8533	7.0126
28	05:30:25	0.0749	0.0743	9.9067	7.0078
29	06:00:28	0.0753	0.0747	9.9600	7.0031
30	06:30:30	0.0756	0.0750	10.0000	6.9995
31	07:00:32	0.0759	0.0753	10.0400	6.9960
32	07:30:35	0.0762	0.0756	10.0800	6.9924
33	08:00:37	0.0765	0.0759	10.1200	6.9889
34	08:30:39	0.0766	0.0760	10.1333	6.9877
35	09:00:41	0.0769	0.0763	10.1733	6.9841
36	09:30:44	0.0770	0.0764	10.1867	6.9829

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



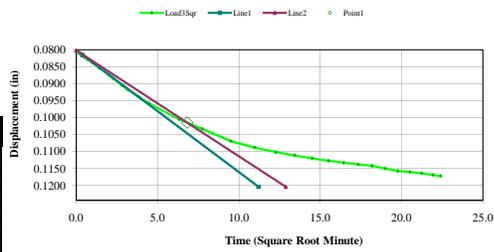
37	10:00:46	0.0773	0.0767	10.2267	6.9794
38	10:30:48	0.0774	0.0768	10.2400	6.9782
39	11:00:50	0.0775	0.0769	10.2533	6.9770
40	11:30:52	0.0777	0.0771	10.2800	6.9746
41	12:00:55	0.0781	0.0775	10.3333	6.9699
42	12:30:57	0.0782	0.0776	10.3467	6.9687
43	13:00:59	0.0783	0.0777	10.3600	6.9675
44	13:31:02	0.0785	0.0779	10.3867	6.9652
45	14:01:04	0.0786	0.0780	10.4000	6.9640
46	14:31:06	0.0787	0.0781	10.4133	6.9628
47	15:01:08	0.0789	0.0783	10.4400	6.9604
48	15:31:11	0.0789	0.0783	10.4400	6.9604
49	16:01:13	0.0790	0.0784	10.4533	6.9592
50	16:31:15	0.0791	0.0785	10.4667	6.9581
51	17:01:18	0.0793	0.0787	10.4933	6.9557
52	17:31:20	0.0794	0.0788	10.5067	6.9545
53	18:01:22	0.0795	0.0789	10.5200	6.9533
54	18:31:24	0.0796	0.0790	10.5333	6.9521
55	19:01:27	0.0797	0.0791	10.5467	6.9509
56	19:31:29	0.0798	0.0792	10.5600	6.9498
57	20:01:31	0.0798	0.0792	10.5600	6.9498
58	20:12:15	0.0798	0.0792	10.5600	6.9498

Consolidation Test Results (Sequence 3) Load 0.125 tsf	Consolidation Test Results (Sequence 3) Load 0.125 tsf
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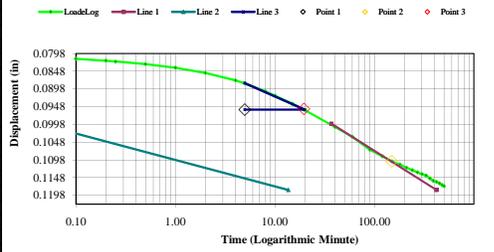
Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Test Date: 15 June 2011
 Job Number: 11-21 Test Number:
 Sample Number: Soil Description:
 Boring Number: 16 Peat (PT)
 Depth: 4 - 6 feet Remarks:
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0798	0.0792	10.5600	6.9498
1	00:00:01	0.0807	0.0801	10.6800	6.9391
2	00:00:02	0.0809	0.0803	10.7067	6.9367
3	00:00:03	0.0810	0.0804	10.7200	6.9355
4	00:00:04	0.0811	0.0805	10.7333	6.9344
5	00:00:05	0.0813	0.0807	10.7400	6.9320
6	00:00:06	0.0813	0.0807	10.7600	6.9320
7	00:00:12	0.0818	0.0812	10.8267	6.9261
8	00:00:15	0.0821	0.0815	10.8667	6.9225
9	00:00:30	0.0828	0.0822	10.9600	6.9142
10	00:01:00	0.0838	0.0832	11.0933	6.9024
11	00:02:00	0.0853	0.0847	11.2933	6.8846
12	00:04:01	0.0874	0.0868	11.5733	6.8597
13	00:05:01	0.0883	0.0877	11.6933	6.8490
14	00:08:01	0.0905	0.0899	11.9867	6.8229
15	00:10:01	0.0917	0.0911	12.1467	6.8087
16	00:15:01	0.0940	0.0934	12.4533	6.7815
17	00:20:02	0.0958	0.0952	12.6933	6.7601
18	00:40:03	0.1005	0.0999	13.2200	6.7044
19	01:00:05	0.1033	0.1027	13.6933	6.6713
20	01:30:07	0.1069	0.1063	14.1733	6.6286
21	02:00:09	0.1088	0.1082	14.4267	6.6061
22	02:30:12	0.1102	0.1096	14.6133	6.5895
23	03:00:14	0.1111	0.1105	14.7333	6.5788
24	03:30:16	0.1120	0.1114	14.8533	6.5682
25	04:00:19	0.1127	0.1121	14.9467	6.5599
26	04:30:21	0.1133	0.1127	15.0267	6.5527
27	05:00:23	0.1138	0.1132	15.0933	6.5468
28	05:30:25	0.1142	0.1136	15.1467	6.5421
29	06:00:27	0.1150	0.1144	15.2533	6.5326
30	06:30:26	0.1157	0.1151	15.3467	6.5243
31	07:00:29	0.1160	0.1154	15.3867	6.5207
32	07:30:31	0.1164	0.1158	15.4400	6.5160
33	08:00:32	0.1169	0.1163	15.5067	6.5101
34	08:21:18	0.1172	0.1166	15.5467	6.5065

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

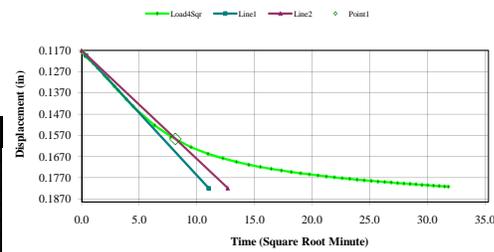


Consolidation Test Results (Sequence 4) Load 0.250 tsf	Consolidation Test Results (Sequence 4) Load 0.250 tsf
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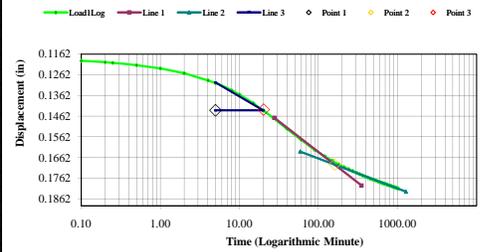
Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Test Date: 15 June 2011
 Job Number: 11-21 Test Number:
 Sample Number: Soil Description:
 Boring Number: 16 Peat (PT)
 Depth: 4 - 6 feet Remarks:
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1172	0.1166	15.5467	6.5065
1	00:00:01	0.1175	0.1169	15.5867	6.5030
2	00:00:02	0.1184	0.1178	15.7067	6.4923
3	00:00:03	0.1187	0.1181	15.7467	6.4887
4	00:00:04	0.1190	0.1184	15.7867	6.4852
5	00:00:05	0.1192	0.1186	15.8133	6.4828
6	00:00:06	0.1194	0.1188	15.8400	6.4808
7	00:00:12	0.1201	0.1195	15.9333	6.4722
8	00:00:15	0.1204	0.1198	15.9733	6.4686
9	00:00:30	0.1215	0.1209	16.1200	6.4556
10	00:01:00	0.1231	0.1225	16.3333	6.4366
11	00:02:00	0.1254	0.1248	16.6400	6.4093
12	00:04:00	0.1289	0.1283	17.1067	6.3679
13	00:05:00	0.1302	0.1296	17.2800	6.3525
14	00:08:00	0.1338	0.1332	17.7600	6.3098
15	00:10:00	0.1358	0.1352	18.0267	6.2861
16	00:15:01	0.1400	0.1394	18.5867	6.2363
17	00:20:01	0.1434	0.1428	19.0400	6.1960
18	00:40:03	0.1523	0.1517	20.2267	6.0908
19	01:00:04	0.1576	0.1570	20.9333	6.0277
20	01:30:07	0.1626	0.1620	21.6000	5.9685
21	02:00:09	0.1657	0.1651	22.0133	5.9317
22	02:30:11	0.1678	0.1672	22.2933	5.9069
23	03:00:13	0.1695	0.1689	22.5200	5.8867
24	03:30:16	0.1709	0.1703	22.7067	5.8701
25	04:00:18	0.1719	0.1713	22.8400	5.8583
26	04:30:20	0.1728	0.1722	22.9600	5.8476
27	05:00:22	0.1736	0.1730	23.0667	5.8381
28	05:30:25	0.1743	0.1737	23.1600	5.8298
29	06:00:27	0.1749	0.1743	23.2400	5.8227
30	06:30:29	0.1754	0.1748	23.3067	5.8168
31	07:00:32	0.1759	0.1753	23.3733	5.8109
32	07:30:34	0.1764	0.1758	23.4400	5.8049
33	08:00:36	0.1768	0.1762	23.4933	5.8002
34	08:30:38	0.1772	0.1766	23.5467	5.7955
35	09:00:41	0.1775	0.1769	23.5867	5.7919
36	09:30:43	0.1779	0.1773	23.6400	5.7872

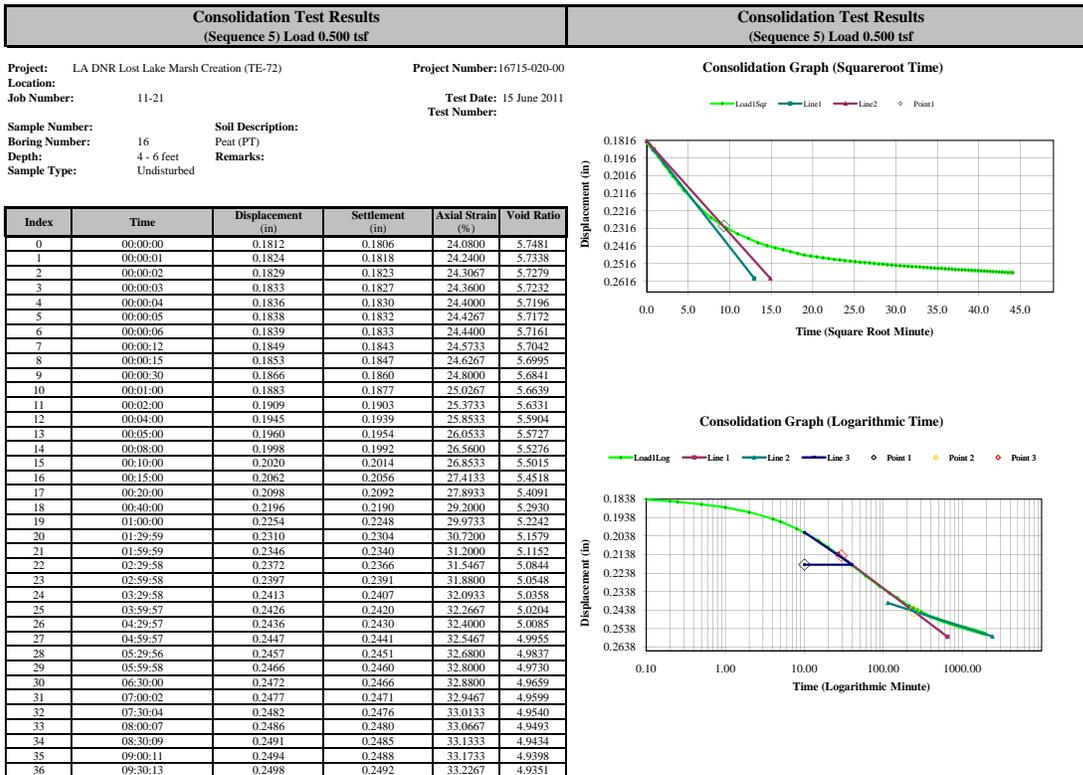
Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:45	0.1782	0.1776	23.6800	5.7836
38	10:30:48	0.1785	0.1779	23.7200	5.7800
39	11:00:50	0.1788	0.1782	23.7600	5.7765
40	11:30:52	0.1790	0.1784	23.7867	5.7741
41	12:00:55	0.1792	0.1786	23.8133	5.7718
42	12:30:57	0.1795	0.1789	23.8533	5.7682
43	13:00:59	0.1797	0.1791	23.8800	5.7658
44	13:31:01	0.1799	0.1793	23.9067	5.7635
45	14:01:04	0.1801	0.1795	23.9333	5.7611
46	14:31:06	0.1804	0.1798	23.9733	5.7575
47	15:01:08	0.1805	0.1799	23.9867	5.7563
48	15:31:10	0.1807	0.1801	24.0133	5.7540
49	16:01:13	0.1809	0.1803	24.0400	5.7516
50	16:31:15	0.1811	0.1805	24.0667	5.7492
51	16:51:23	0.1812	0.1806	24.0800	5.7481



37	10:00:16	0.2501	0.2495	33.2667	4.9315
38	10:30:18	0.2503	0.2497	33.2933	4.9291
39	11:00:20	0.2507	0.2501	33.3467	4.9244
40	11:30:23	0.2509	0.2503	33.3733	4.9220
41	12:00:25	0.2511	0.2505	33.4000	4.9197
42	12:30:27	0.2514	0.2508	33.4400	4.9161
43	13:00:29	0.2517	0.2511	33.4800	4.9125
44	13:30:32	0.2518	0.2512	33.4933	4.9114
45	14:00:34	0.2521	0.2515	33.5333	4.9078
46	14:30:36	0.2523	0.2517	33.5600	4.9054
47	15:00:39	0.2525	0.2519	33.5867	4.9031
48	15:30:41	0.2526	0.2520	33.6000	4.9019
49	16:00:43	0.2528	0.2522	33.6267	4.8995
50	16:30:45	0.2530	0.2524	33.6533	4.8971
51	17:00:48	0.2532	0.2526	33.6800	4.8948
52	17:30:50	0.2533	0.2527	33.6933	4.8936
53	18:00:52	0.2534	0.2528	33.7067	4.8924
54	18:30:55	0.2536	0.2530	33.7333	4.8900
55	19:00:57	0.2537	0.2531	33.7467	4.8888
56	19:30:59	0.2539	0.2533	33.7733	4.8865
57	20:01:01	0.2540	0.2534	33.7867	4.8853
58	20:31:03	0.2542	0.2536	33.8133	4.8829
59	21:01:06	0.2542	0.2536	33.8133	4.8829
60	21:31:08	0.2544	0.2538	33.8400	4.8805
61	22:01:10	0.2545	0.2539	33.8533	4.8794
62	22:31:12	0.2546	0.2540	33.8667	4.8782
63	23:01:15	0.2548	0.2542	33.8933	4.8758
64	23:31:17	0.2549	0.2543	33.9067	4.8746
65	24:01:19	0.2550	0.2544	33.9200	4.8734
66	24:31:22	0.2550	0.2544	33.9200	4.8734
67	25:01:24	0.2552	0.2546	33.9467	4.8711
68	25:31:26	0.2553	0.2547	33.9600	4.8699
69	26:01:28	0.2554	0.2548	33.9733	4.8687
70	26:31:31	0.2555	0.2549	33.9867	4.8675
71	27:01:33	0.2556	0.2550	34.0000	4.8663
72	27:31:35	0.2557	0.2551	34.0133	4.8651
73	28:01:38	0.2558	0.2552	34.0267	4.8640
74	28:31:40	0.2559	0.2553	34.0400	4.8628
75	29:01:42	0.2560	0.2554	34.0533	4.8616
76	29:31:44	0.2561	0.2555	34.0667	4.8604
77	30:01:47	0.2562	0.2556	34.0800	4.8592
78	30:31:49	0.2563	0.2557	34.0933	4.8580
79	31:01:51	0.2564	0.2558	34.1067	4.8568
80	31:31:54	0.2565	0.2559	34.1200	4.8557
81	32:01:56	0.2565	0.2559	34.1200	4.8557
82	32:22:11	0.2566	0.2560	34.1333	4.8545

Consolidation Test Results (Sequence 6) Load 1.000 tsf						Consolidation Test Results (Sequence 6) Load 1.000 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			Consolidation Graph (Square-root Time)					
Location:			Test Date: 15 June 2011								
Job Number: 11-21			Test Number:								
Sample Number:			Soil Description:								
Boring Number: 16			Peat (PT)								
Depth: 4 - 6 feet			Remarks:								
Sample Type: Undisturbed											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.2566	0.2560	34.1333	4.8545						
1	00:00:01	0.2577	0.2571	34.2800	4.8414						
2	00:00:02	0.2584	0.2578	34.3733	4.8331						
3	00:00:03	0.2587	0.2581	34.4133	4.8296						
4	00:00:04	0.2589	0.2583	34.4400	4.8272						
5	00:00:05	0.2591	0.2585	34.4667	4.8248						
6	00:00:06	0.2593	0.2587	34.4933	4.8225						
7	00:00:12	0.2601	0.2595	34.6000	4.8130						
8	00:00:15	0.2604	0.2598	34.6400	4.8094						
9	00:00:30	0.2615	0.2609	34.7867	4.7964						
10	00:01:00	0.2630	0.2624	34.9867	4.7786						
11	00:02:00	0.2653	0.2647	35.2933	4.7514						
12	00:04:00	0.2684	0.2678	35.7067	4.7146						
13	00:05:00	0.2697	0.2691	35.8800	4.6992						
14	00:08:00	0.2729	0.2723	36.3067	4.6613						
15	00:10:01	0.2748	0.2742	36.5600	4.6388						
16	00:15:01	0.2786	0.2780	37.0667	4.5937						
17	00:20:01	0.2817	0.2811	37.4800	4.5570						
18	00:40:03	0.2903	0.2897	38.6267	4.4551						
19	01:00:04	0.2957	0.2951	39.3467	4.3911						
20	01:30:07	0.3009	0.3003	40.0400	4.3295						
21	02:00:09	0.3042	0.3036	40.4800	4.2904						
22	02:30:11	0.3065	0.3059	40.7867	4.2631						
23	03:00:13	0.3082	0.3076	41.0133	4.2430						
24	03:30:16	0.3094	0.3088	41.1733	4.2287						
25	04:00:18	0.3105	0.3099	41.3200	4.2157						
26	04:30:20	0.3114	0.3108	41.4400	4.2050						
27	05:00:23	0.3122	0.3116	41.5467	4.1955						
28	05:30:25	0.3128	0.3122	41.6267	4.1884						
29	06:00:27	0.3134	0.3128	41.6867	4.1813						
30	06:30:29	0.3139	0.3133	41.7333	4.1754						
31	07:00:32	0.3143	0.3137	41.8267	4.1707						
32	07:30:34	0.3148	0.3142	41.8933	4.1647						
33	08:00:36	0.3151	0.3145	41.9333	4.1612						
34	08:30:39	0.3155	0.3149	41.9867	4.1564						
35	09:00:41	0.3158	0.3152	42.0267	4.1529						
36	09:30:43	0.3161	0.3155	42.0667	4.1493						

37	10:00:45	0.3164	0.3158	42.1067	4.1458
38	10:30:48	0.3166	0.3160	42.1333	4.1434
39	11:00:50	0.3169	0.3163	42.1733	4.1398
40	11:30:52	0.3172	0.3166	42.2133	4.1363
41	12:00:55	0.3174	0.3168	42.2400	4.1339
42	12:30:57	0.3176	0.3170	42.2667	4.1316
43	13:00:59	0.3178	0.3172	42.2933	4.1292
44	13:31:01	0.3180	0.3174	42.3200	4.1268
45	14:01:04	0.3182	0.3176	42.3467	4.1244
46	14:31:06	0.3183	0.3177	42.3600	4.1233
47	15:01:08	0.3185	0.3179	42.3867	4.1209
48	15:31:11	0.3187	0.3181	42.4133	4.1185
49	16:01:13	0.3189	0.3183	42.4400	4.1161
50	16:31:15	0.3190	0.3184	42.4533	4.1150
51	17:01:17	0.3192	0.3186	42.4800	4.1126
52	17:31:20	0.3193	0.3187	42.4933	4.1114
53	18:01:22	0.3195	0.3189	42.5200	4.1090
54	18:31:24	0.3196	0.3190	42.5333	4.1079
55	19:01:27	0.3198	0.3192	42.5600	4.1055
56	19:31:29	0.3199	0.3193	42.5733	4.1043
57	20:01:31	0.3200	0.3194	42.5867	4.1031
58	20:31:33	0.3202	0.3196	42.6133	4.1007
59	21:01:36	0.3203	0.3197	42.6267	4.0996
60	21:31:38	0.3204	0.3198	42.6400	4.0984
61	22:01:40	0.3205	0.3199	42.6533	4.0972
62	22:31:43	0.3206	0.3200	42.6667	4.0960
63	23:01:45	0.3207	0.3201	42.6800	4.0948
64	23:01:49	0.3207	0.3201	42.6800	4.0948

Consolidation Test Results (Sequence 7) Rebound 0.250 tsf						Consolidation Test Results (Sequence 7) Rebound 0.250 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			Consolidation Graph (Square-root Time)					
Location:			Test Date: 15 June 2011								
Job Number: 11-21			Test Number:								
Sample Number:			Soil Description:								
Boring Number: 16			Remarks:								
Depth: 4 - 6 feet											
Sample Type: Undisturbed											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.3207	0.3201	42.6800	4.0948						
1	00:00:01	0.3204	0.3198	42.6400	4.0984						
2	00:00:02	0.3203	0.3197	42.6267	4.0996						
3	00:00:03	0.3199	0.3193	42.5733	4.1043						
4	00:00:04	0.3197	0.3191	42.5467	4.1067						
5	00:00:05	0.3196	0.3190	42.5333	4.1079						
6	00:00:06	0.3195	0.3189	42.5200	4.1090						
7	00:00:12	0.3192	0.3186	42.4800	4.1126						
8	00:00:15	0.3191	0.3185	42.4667	4.1138						
9	00:00:30	0.3186	0.3180	42.4000	4.1197						
10	00:01:00	0.3178	0.3172	42.2933	4.1292						
11	00:02:00	0.3168	0.3162	42.1600	4.1410						
12	00:04:00	0.3153	0.3147	41.9600	4.1588						
13	00:05:00	0.3147	0.3141	41.8800	4.1659						
14	00:08:01	0.3133	0.3127	41.6933	4.1825						
15	00:10:01	0.3125	0.3119	41.5867	4.1920						
16	00:15:01	0.3110	0.3104	41.3867	4.2098						
17	00:20:02	0.3099	0.3093	41.2400	4.2228						
18	00:40:03	0.3070	0.3064	40.8533	4.2572						
19	01:00:05	0.3055	0.3049	40.6533	4.2750						
20	01:30:07	0.3042	0.3036	40.4800	4.2904						
21	02:00:09	0.3034	0.3028	40.3733	4.2998						
22	02:30:11	0.3029	0.3023	40.3067	4.3058						
23	03:00:14	0.3025	0.3019	40.2533	4.3105						
24	03:30:16	0.3022	0.3016	40.2133	4.3141						
25	04:00:18	0.3019	0.3013	40.1733	4.3176						
26	04:30:21	0.3017	0.3011	40.1467	4.3200						
27	05:00:23	0.3015	0.3009	40.1200	4.3224						
28	05:30:25	0.3014	0.3008	40.1067	4.3235						
29	06:00:27	0.3013	0.3007	40.0933	4.3247						
30	06:30:30	0.3011	0.3005	40.0667	4.3271						
31	07:00:32	0.3010	0.3004	40.0533	4.3283						
32	07:30:34	0.3009	0.3003	40.0400	4.3295						
33	08:00:37	0.3008	0.3002	40.0267	4.3307						
34	08:30:39	0.3007	0.3001	40.0133	4.3318						
35	09:00:41	0.3007	0.3001	40.0133	4.3318						
36	09:30:43	0.3006	0.3000	40.0000	4.3330						

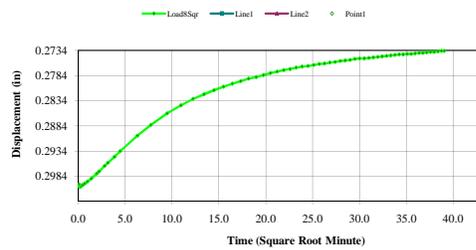
37	10:00:46	0.3006	0.3000	40.0000	4.3330
38	10:30:48	0.3005	0.2999	39.9867	4.3342
39	11:00:50	0.3005	0.2999	39.9867	4.3342
40	11:30:53	0.3004	0.2998	39.9733	4.3354
41	12:00:55	0.3004	0.2998	39.9733	4.3354
42	12:30:57	0.3003	0.2997	39.9600	4.3366
43	13:00:59	0.3003	0.2997	39.9600	4.3366
44	13:31:02	0.3002	0.2996	39.9467	4.3378
45	14:01:04	0.3002	0.2996	39.9467	4.3378
46	14:31:06	0.3002	0.2996	39.9467	4.3378
47	15:01:08	0.3001	0.2995	39.9333	4.3389
48	15:31:11	0.3001	0.2995	39.9333	4.3389
49	15:39:38	0.3001	0.2995	39.9333	4.3389

Consolidation Test Results (Sequence 8) Rebound 0.063 tsf	Consolidation Test Results (Sequence 8) Rebound 0.063 tsf
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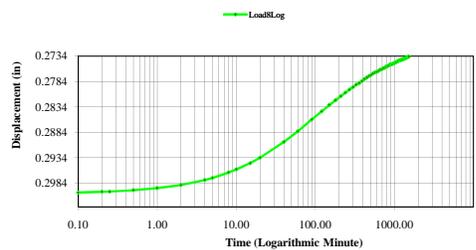
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 15 June 2011
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 16 Peat (PT)
Depth: 4 - 6 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.3001	0.2995	39.9333	4.3389
1	00:00:01	0.3000	0.2994	39.9200	4.3401
2	00:00:02	0.3005	0.2999	39.9867	4.3342
3	00:00:03	0.3004	0.2998	39.9733	4.3354
4	00:00:04	0.3004	0.2998	39.9733	4.3354
5	00:00:05	0.3003	0.2997	39.9600	4.3366
6	00:00:06	0.3003	0.2997	39.9600	4.3366
7	00:00:12	0.3001	0.2995	39.9333	4.3389
8	00:00:15	0.3001	0.2995	39.9333	4.3389
9	00:00:30	0.2998	0.2992	39.8933	4.3425
10	00:01:00	0.2994	0.2988	39.8400	4.3472
11	00:02:00	0.2988	0.2982	39.7600	4.3544
12	00:04:00	0.2978	0.2972	39.6267	4.3662
13	00:05:00	0.2974	0.2968	39.5733	4.3709
14	00:08:00	0.2963	0.2957	39.4267	4.3840
15	00:10:01	0.2957	0.2951	39.3467	4.3911
16	00:15:01	0.2945	0.2939	39.1867	4.4053
17	00:20:01	0.2934	0.2928	39.0400	4.4184
18	00:40:03	0.2903	0.2897	38.6267	4.4551
19	01:00:04	0.2882	0.2876	38.3467	4.4800
20	01:30:07	0.2859	0.2853	38.0400	4.5072
21	02:00:09	0.2843	0.2837	37.8267	4.5262
22	02:30:11	0.2830	0.2824	37.6533	4.5416
23	03:00:14	0.2821	0.2815	37.5333	4.5523
24	03:30:16	0.2813	0.2807	37.4267	4.5617
25	04:00:18	0.2806	0.2800	37.3333	4.5700
26	04:30:20	0.2800	0.2794	37.2533	4.5772
27	05:00:22	0.2795	0.2789	37.1867	4.5831
28	05:30:25	0.2790	0.2784	37.1200	4.5890
29	06:00:27	0.2787	0.2781	37.0800	4.5926
30	06:30:29	0.2783	0.2777	37.0267	4.5973
31	07:00:32	0.2779	0.2773	36.9733	4.6020
32	07:30:34	0.2776	0.2770	36.9333	4.6056
33	08:00:36	0.2773	0.2767	36.8933	4.6092
34	08:30:38	0.2771	0.2765	36.8667	4.6115
35	09:00:41	0.2768	0.2762	36.8267	4.6151
36	09:30:43	0.2766	0.2760	36.8000	4.6174

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:45	0.2765	0.2759	36.7867	4.6186
38	10:30:48	0.2763	0.2757	36.7600	4.6210
39	11:00:50	0.2761	0.2755	36.7333	4.6234
40	11:30:52	0.2760	0.2754	36.7200	4.6246
41	12:00:55	0.2758	0.2752	36.6933	4.6269
42	12:30:57	0.2757	0.2751	36.6800	4.6281
43	13:00:59	0.2755	0.2749	36.6533	4.6305
44	13:31:01	0.2754	0.2748	36.6400	4.6317
45	14:01:04	0.2753	0.2747	36.6267	4.6329
46	14:31:06	0.2751	0.2745	36.6000	4.6352
47	15:01:08	0.2750	0.2744	36.5867	4.6364
48	15:31:11	0.2750	0.2744	36.5867	4.6364
49	16:01:13	0.2749	0.2743	36.5733	4.6376
50	16:31:15	0.2748	0.2742	36.5600	4.6388
51	17:01:17	0.2747	0.2741	36.5467	4.6400
52	17:31:20	0.2746	0.2740	36.5333	4.6412
53	18:01:22	0.2745	0.2739	36.5200	4.6423
54	18:31:24	0.2744	0.2738	36.5067	4.6435
55	19:01:27	0.2743	0.2737	36.4933	4.6447
56	19:31:29	0.2742	0.2736	36.4800	4.6459
57	20:01:31	0.2742	0.2736	36.4800	4.6459
58	20:31:33	0.2741	0.2735	36.4667	4.6471
59	21:01:36	0.2741	0.2735	36.4667	4.6471
60	21:31:38	0.2740	0.2734	36.4533	4.6483
61	22:01:40	0.2739	0.2733	36.4400	4.6494
62	22:31:43	0.2739	0.2733	36.4400	4.6494
63	23:01:45	0.2738	0.2732	36.4267	4.6506
64	23:31:47	0.2737	0.2731	36.4133	4.6518
65	24:01:49	0.2737	0.2731	36.4133	4.6518
66	24:31:52	0.2736	0.2730	36.4000	4.6530
67	25:01:54	0.2735	0.2729	36.3867	4.6542
68	25:24:30	0.2735	0.2729	36.3867	4.6542

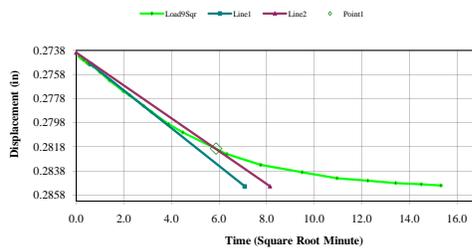
Consolidation Test Results (Sequence 9) Load 0.250 tsf	Consolidation Test Results (Sequence 9) Load 0.250 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 15 June 2011
 Sample Number: Soil Description: Peat (PT) Test Number:
 Boring Number: 16
 Depth: 4 - 6 feet
 Sample Type: Undisturbed

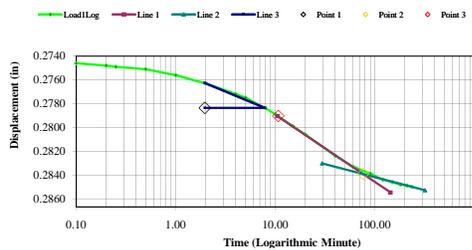
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2735	0.2729	36.3867	4.6542
1	00:00:01	0.2743	0.2737	36.4933	4.6447
2	00:00:02	0.2744	0.2738	36.5067	4.6435
3	00:00:03	0.2744	0.2738	36.5067	4.6435
4	00:00:04	0.2745	0.2739	36.5200	4.6423
5	00:00:05	0.2745	0.2739	36.5200	4.6423
6	00:00:06	0.2746	0.2740	36.5333	4.6412
7	00:00:12	0.2748	0.2742	36.5600	4.6388
8	00:00:15	0.2749	0.2743	36.5733	4.6376
9	00:00:30	0.2751	0.2745	36.6000	4.6352
10	00:01:00	0.2756	0.2750	36.6667	4.6293
11	00:02:00	0.2763	0.2757	36.7600	4.6210
12	00:04:00	0.2772	0.2766	36.8800	4.6103
13	00:05:01	0.2775	0.2769	36.9200	4.6068
14	00:08:01	0.2784	0.2778	37.0400	4.5961
15	00:10:01	0.2789	0.2783	37.1067	4.5902
16	00:15:01	0.2799	0.2793	37.2400	4.5783
17	00:20:02	0.2806	0.2800	37.3333	4.5700
18	00:40:03	0.2824	0.2818	37.5733	4.5487
19	01:00:05	0.2833	0.2827	37.6933	4.5380
20	01:30:07	0.2839	0.2833	37.7733	4.5309
21	02:00:09	0.2844	0.2838	37.8400	4.5250
22	02:30:12	0.2846	0.2840	37.8667	4.5226
23	03:00:14	0.2848	0.2842	37.8933	4.5203
24	03:30:16	0.2849	0.2843	37.9067	4.5191
25	03:54:54	0.2850	0.2844	37.9200	4.5179

Tested By: Checked By:

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

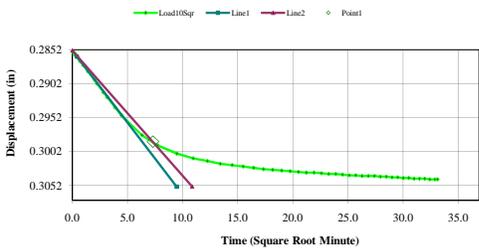


Consolidation Test Results (Sequence 10) Load 0.500 tsf	Consolidation Test Results (Sequence 10) Load 0.500 tsf
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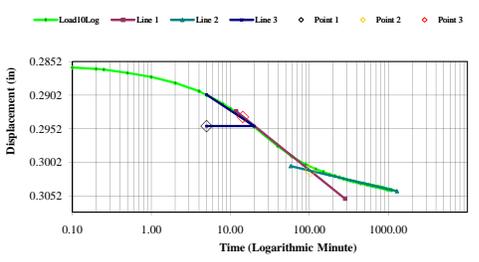
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 15 June 2011
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 16 Peat (PT)
Depth: 4 - 6 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2850	0.2844	37.9200	4.5179
1	00:00:01	0.2856	0.2850	38.0000	4.5108
2	00:00:02	0.2858	0.2852	38.0267	4.5084
3	00:00:03	0.2858	0.2852	38.0267	4.5084
4	00:00:04	0.2859	0.2853	38.0400	4.5072
5	00:00:05	0.2860	0.2854	38.0533	4.5060
6	00:00:06	0.2861	0.2855	38.0667	4.5049
7	00:00:12	0.2863	0.2857	38.0933	4.5025
8	00:00:15	0.2864	0.2858	38.1067	4.5013
9	00:00:30	0.2869	0.2863	38.1733	4.4954
10	00:01:00	0.2875	0.2869	38.2533	4.4883
11	00:02:01	0.2884	0.2878	38.3733	4.4776
12	00:04:01	0.2896	0.2890	38.5333	4.4634
13	00:05:01	0.2902	0.2896	38.6133	4.4563
14	00:08:01	0.2915	0.2909	38.7867	4.4409
15	00:10:01	0.2922	0.2916	38.8800	4.4326
16	00:15:02	0.2937	0.2931	39.0800	4.4148
17	00:20:02	0.2949	0.2943	39.2400	4.4006
18	00:40:03	0.2978	0.2972	39.6367	4.3662
19	01:00:05	0.2993	0.2987	39.8267	4.3484
20	01:30:07	0.3005	0.2999	39.9867	4.3342
21	02:00:10	0.3012	0.3006	40.0800	4.3259
22	02:30:12	0.3016	0.3010	40.1333	4.3212
23	03:00:14	0.3020	0.3014	40.1867	4.3164
24	03:30:16	0.3022	0.3016	40.2133	4.3141
25	04:00:19	0.3024	0.3018	40.2400	4.3117
26	04:30:21	0.3026	0.3020	40.2667	4.3093
27	05:00:23	0.3028	0.3022	40.2933	4.3069
28	05:30:25	0.3029	0.3023	40.3067	4.3058
29	06:00:28	0.3030	0.3024	40.3200	4.3046
30	06:30:30	0.3031	0.3025	40.3333	4.3034
31	07:00:32	0.3032	0.3026	40.3467	4.3022
32	07:30:35	0.3033	0.3027	40.3600	4.3010
33	08:00:37	0.3033	0.3027	40.3600	4.3010
34	08:30:39	0.3034	0.3028	40.3733	4.2998
35	09:00:41	0.3035	0.3029	40.3867	4.2987
36	09:30:44	0.3035	0.3029	40.3867	4.2987

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:46	0.3036	0.3030	40.4000	4.2975
38	10:30:48	0.3037	0.3031	40.4133	4.2963
39	11:00:51	0.3037	0.3031	40.4133	4.2963
40	11:30:53	0.3038	0.3032	40.4267	4.2951
41	12:00:55	0.3038	0.3032	40.4267	4.2951
42	12:30:58	0.3038	0.3032	40.4267	4.2951
43	13:01:00	0.3039	0.3033	40.4400	4.2939
44	13:31:02	0.3039	0.3033	40.4400	4.2939
45	14:01:04	0.3040	0.3034	40.4533	4.2927
46	14:31:07	0.3040	0.3034	40.4533	4.2927
47	15:01:09	0.3041	0.3035	40.4667	4.2915
48	15:31:11	0.3041	0.3035	40.4667	4.2915
49	16:01:13	0.3042	0.3036	40.4800	4.2904
50	16:31:16	0.3042	0.3036	40.4800	4.2904
51	17:01:18	0.3042	0.3036	40.4800	4.2904
52	17:31:20	0.3043	0.3037	40.4933	4.2892
53	18:01:23	0.3043	0.3037	40.4933	4.2892
54	18:16:54	0.3043	0.3037	40.4933	4.2892

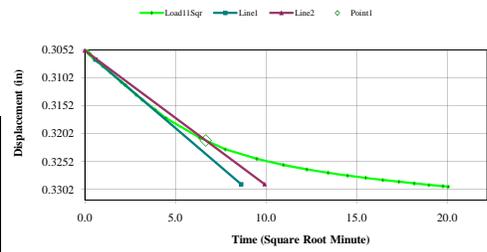
Consolidation Test Results (Sequence 11) Load 1.000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 15 June 2011
 Sample Number: Soil Description: Peat (PT) Test Number:
 Boring Number: 16 Depth: 4 - 6 feet Remarks:
 Sample Type: Undisturbed

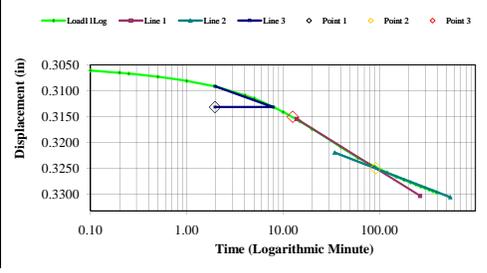
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.3043	0.3037	40.4933	4.2892
1	00:00:01	0.3054	0.3048	40.6400	4.2761
2	00:00:02	0.3056	0.3050	40.6667	4.2738
3	00:00:03	0.3058	0.3052	40.6933	4.2714
4	00:00:04	0.3059	0.3053	40.7067	4.2702
5	00:00:05	0.3060	0.3054	40.7200	4.2690
6	00:00:06	0.3061	0.3055	40.7333	4.2678
7	00:00:12	0.3065	0.3059	40.7867	4.2631
8	00:00:15	0.3067	0.3061	40.8133	4.2607
9	00:00:30	0.3073	0.3067	40.8933	4.2536
10	00:01:00	0.3081	0.3075	41.0000	4.2441
11	00:02:00	0.3092	0.3086	41.1467	4.2311
12	00:04:01	0.3109	0.3103	41.3733	4.2110
13	00:05:01	0.3115	0.3109	41.4533	4.2038
14	00:08:01	0.3132	0.3126	41.6800	4.1837
15	00:10:01	0.3141	0.3135	41.8000	4.1730
16	00:15:01	0.3159	0.3153	42.0400	4.1517
17	00:20:02	0.3174	0.3168	42.2400	4.1339
18	00:40:03	0.3209	0.3203	42.7067	4.0924
19	01:00:05	0.3230	0.3224	42.9867	4.0676
20	01:30:07	0.3247	0.3241	43.2133	4.0474
21	02:00:09	0.3258	0.3252	43.3600	4.0344
22	02:30:12	0.3266	0.3260	43.4667	4.0249
23	03:00:14	0.3272	0.3266	43.5467	4.0178
24	03:30:16	0.3277	0.3271	43.6133	4.0119
25	04:00:18	0.3281	0.3275	43.6667	4.0071
26	04:30:20	0.3285	0.3279	43.7200	4.0024
27	05:00:23	0.3288	0.3282	43.7600	3.9988
28	05:30:25	0.3291	0.3285	43.8000	3.9953
29	06:00:27	0.3294	0.3288	43.8400	3.9917
30	06:30:29	0.3296	0.3290	43.8667	3.9893
31	06:41:48	0.3297	0.3291	43.8800	3.9882

Consolidation Test Results (Sequence 11) Load 1.000 tsf

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

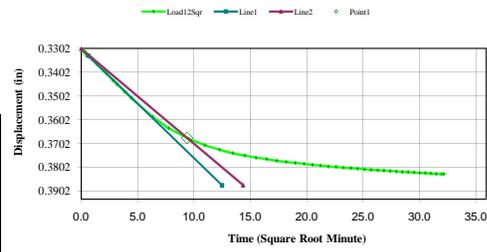


Consolidation Test Results (Sequence 12) Load 2.000 tsf

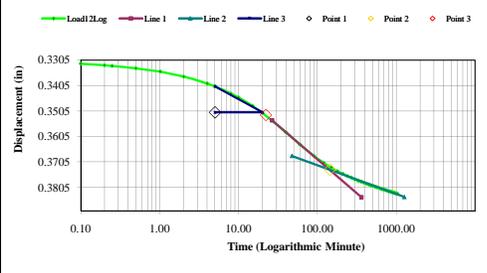
Project: LA DNR Lost Lake Marsh Creation (TE-72) Project Number: 16715-020-00
 Location: Job Number: 11-21 Test Date: 15 June 2011
 Sample Number: Soil Description: Peat (PT) Test Number:
 Boring Number: 16 Depth: 4 - 6 feet Remarks:
 Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.3297	0.3291	43.8800	3.9882
1	00:00:01	0.3310	0.3304	44.0533	3.9727
2	00:00:02	0.3312	0.3306	44.0800	3.9704
3	00:00:03	0.3314	0.3308	44.1067	3.9680
4	00:00:04	0.3316	0.3310	44.1333	3.9656
5	00:00:05	0.3318	0.3312	44.1600	3.9633
6	00:00:06	0.3319	0.3313	44.1733	3.9621
7	00:00:12	0.3325	0.3319	44.2533	3.9550
8	00:00:15	0.3328	0.3322	44.2933	3.9514
9	00:00:30	0.3337	0.3331	44.4133	3.9407
10	00:01:01	0.3350	0.3344	44.5867	3.9253
11	00:02:01	0.3370	0.3364	44.8533	3.9016
12	00:04:01	0.3397	0.3391	45.2133	3.8696
13	00:05:01	0.3408	0.3402	45.3600	3.8566
14	00:08:01	0.3437	0.3431	45.7467	3.8222
15	00:10:01	0.3452	0.3446	45.9467	3.8045
16	00:15:02	0.3485	0.3479	46.3867	3.7654
17	00:20:02	0.3512	0.3506	46.7467	3.7334
18	00:40:03	0.3589	0.3583	47.7733	3.6421
19	01:00:05	0.3637	0.3631	48.4133	3.5852
20	01:30:07	0.3681	0.3675	49.0000	3.5331
21	02:00:10	0.3709	0.3703	49.3733	3.4999
22	02:30:12	0.3727	0.3721	49.6133	3.4786
23	03:00:14	0.3742	0.3736	49.8133	3.4608
24	03:30:16	0.3752	0.3746	49.9467	3.4489
25	04:00:19	0.3761	0.3755	50.0667	3.4383
26	04:30:21	0.3767	0.3761	50.1467	3.4311
27	05:00:23	0.3774	0.3768	50.2400	3.4229
28	05:30:25	0.3779	0.3773	50.3067	3.4169
29	06:00:28	0.3783	0.3777	50.3600	3.4122
30	06:30:30	0.3787	0.3781	50.4133	3.4074
31	07:00:32	0.3791	0.3785	50.4667	3.4027
32	07:30:35	0.3794	0.3788	50.5067	3.3992
33	08:00:37	0.3798	0.3792	50.5600	3.3944
34	08:30:39	0.3800	0.3794	50.5867	3.3920
35	09:00:41	0.3803	0.3797	50.6267	3.3885
36	09:30:44	0.3805	0.3799	50.6533	3.3861

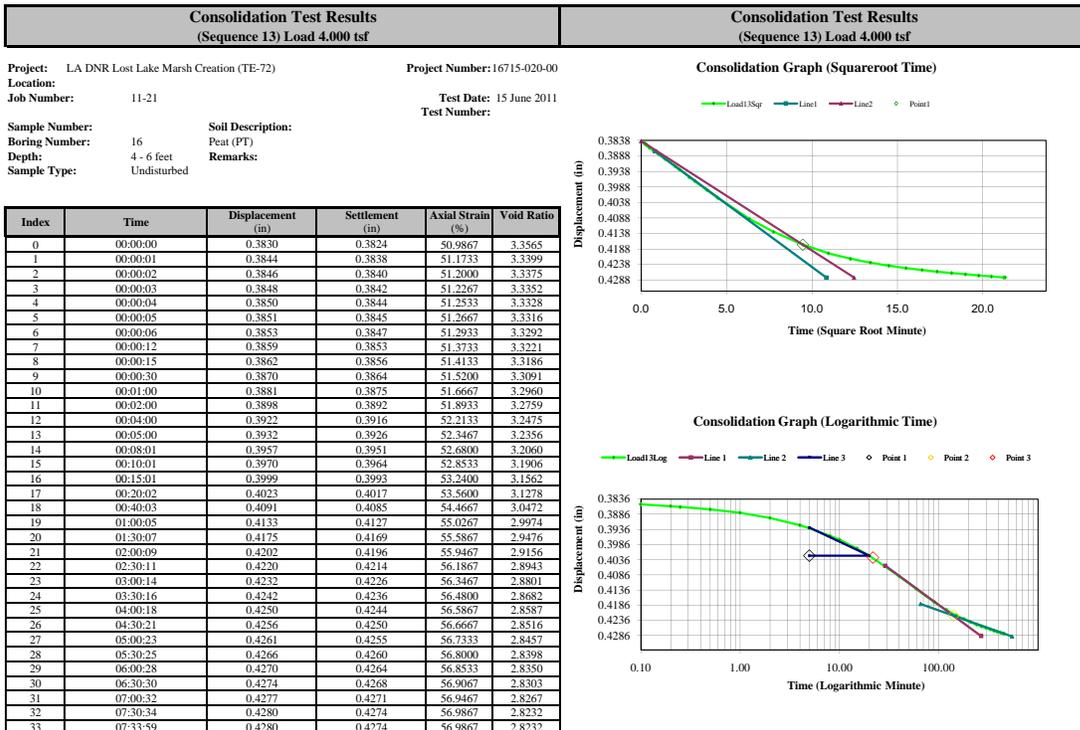
Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



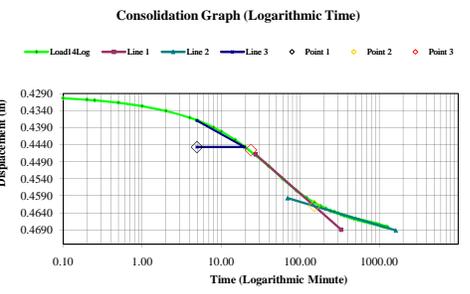
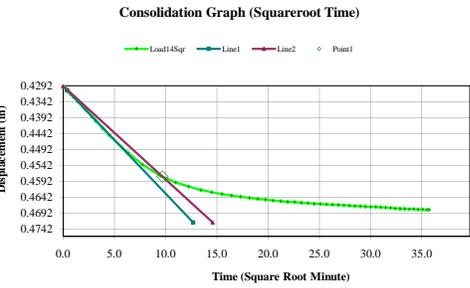
37	10:00:46	0.3807	0.3801	50.6800	3.3837
38	10:30:48	0.3810	0.3804	50.7200	3.3802
39	11:00:51	0.3812	0.3806	50.7467	3.3778
40	11:30:53	0.3814	0.3808	50.7733	3.3754
41	12:00:55	0.3815	0.3809	50.7867	3.3743
42	12:30:57	0.3817	0.3811	50.8133	3.3719
43	13:01:00	0.3819	0.3813	50.8400	3.3695
44	13:31:02	0.3821	0.3815	50.8667	3.3672
45	14:01:04	0.3822	0.3816	50.8800	3.3660
46	14:31:07	0.3823	0.3817	50.8933	3.3648
47	15:01:09	0.3825	0.3819	50.9200	3.3624
48	15:31:11	0.3826	0.3820	50.9333	3.3612
49	16:01:13	0.3827	0.3821	50.9467	3.3600
50	16:31:16	0.3829	0.3823	50.9733	3.3577
51	17:01:18	0.3830	0.3824	50.9867	3.3565
52	17:13:04	0.3830	0.3824	50.9867	3.3565



Consolidation Test Results (Sequence 14) Load 8.000 tsf	Consolidation Test Results (Sequence 14) Load 8.000 tsf
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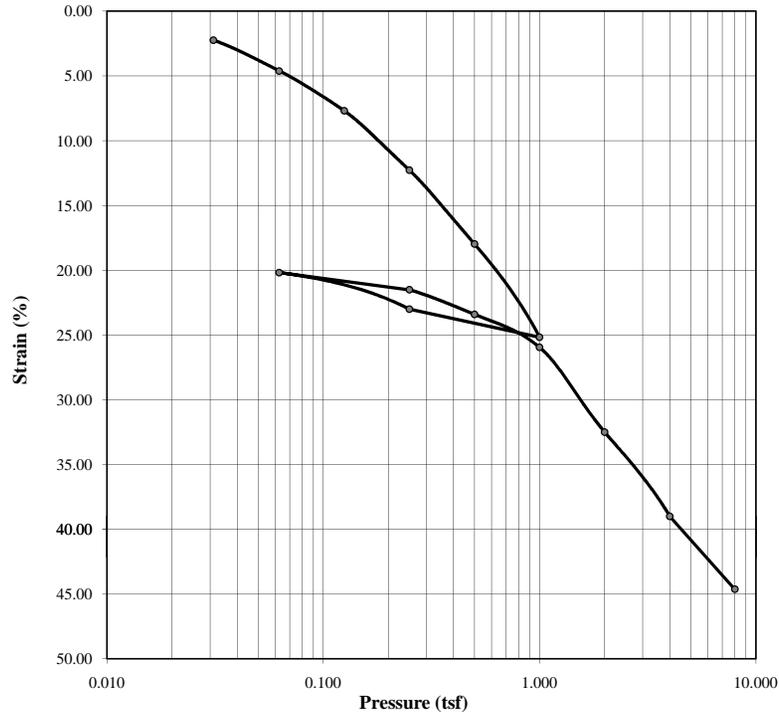
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 15 June 2011
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 16 **Peat (PT)**
Depth: 4 - 6 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.4280	0.4274	56.9867	2.8232
1	00:00:01	0.4297	0.4291	57.2133	2.8030
2	00:00:02	0.4298	0.4292	57.2267	2.8019
3	00:00:03	0.4300	0.4294	57.2533	2.7995
4	00:00:04	0.4301	0.4295	57.2667	2.7983
5	00:00:05	0.4303	0.4297	57.2933	2.7959
6	00:00:06	0.4304	0.4298	57.3067	2.7947
7	00:00:12	0.4308	0.4302	57.3600	2.7900
8	00:00:15	0.4310	0.4304	57.3867	2.7876
9	00:00:30	0.4317	0.4311	57.4800	2.7793
10	00:01:00	0.4327	0.4321	57.6133	2.7675
11	00:02:00	0.4341	0.4335	57.8000	2.7509
12	00:04:00	0.4361	0.4355	58.0667	2.7272
13	00:05:00	0.4369	0.4363	58.1733	2.7177
14	00:08:00	0.4390	0.4384	58.4533	2.6928
15	00:10:01	0.4402	0.4396	58.6133	2.6786
16	00:15:01	0.4426	0.4420	58.9333	2.6502
17	00:20:01	0.4447	0.4441	59.2133	2.6253
18	00:40:03	0.4503	0.4497	59.9600	2.5589
19	01:00:04	0.4540	0.4534	60.4533	2.5151
20	01:30:07	0.4575	0.4569	60.9200	2.4736
21	02:00:09	0.4596	0.4590	61.2000	2.4487
22	02:30:11	0.4609	0.4603	61.3733	2.4333
23	03:00:14	0.4620	0.4614	61.5200	2.4202
24	03:30:16	0.4627	0.4621	61.6133	2.4119
25	04:00:18	0.4633	0.4627	61.6933	2.4048
26	04:30:20	0.4637	0.4631	61.7467	2.4001
27	05:00:23	0.4641	0.4635	61.8000	2.3954
28	05:30:25	0.4645	0.4639	61.8533	2.3906
29	06:00:27	0.4648	0.4642	61.8933	2.3871
30	06:30:30	0.4650	0.4644	61.9200	2.3847
31	07:00:32	0.4653	0.4647	61.9600	2.3811
32	07:30:34	0.4655	0.4649	61.9867	2.3788
33	08:00:36	0.4657	0.4651	62.0133	2.3764
34	08:30:39	0.4658	0.4652	62.0267	2.3752
35	09:00:41	0.4660	0.4654	62.0533	2.3728
36	09:30:43	0.4661	0.4655	62.0667	2.3717



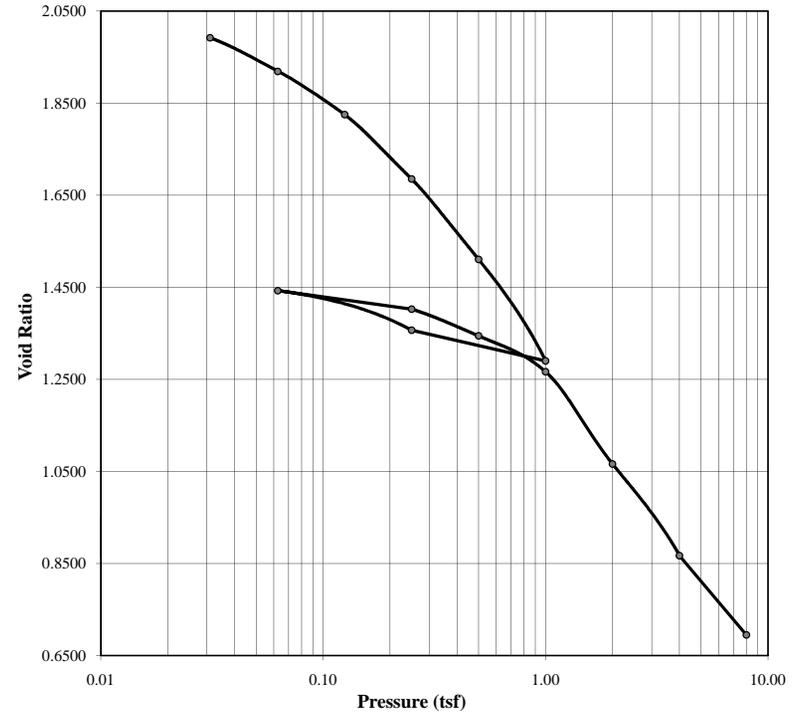
37	10:00:45	0.4663	0.4657	62.0933	2.3693
38	10:30:48	0.4664	0.4658	62.1067	2.3681
39	11:00:50	0.4665	0.4659	62.1200	2.3669
40	11:30:52	0.4666	0.4660	62.1333	2.3657
41	12:00:55	0.4667	0.4661	62.1467	2.3645
42	12:30:57	0.4668	0.4662	62.1600	2.3634
43	13:00:59	0.4669	0.4663	62.1733	2.3622
44	13:31:01	0.4670	0.4664	62.1867	2.3610
45	14:01:04	0.4671	0.4665	62.2000	2.3598
46	14:31:06	0.4672	0.4666	62.2133	2.3586
47	15:01:08	0.4673	0.4667	62.2267	2.3574
48	15:31:11	0.4673	0.4667	62.2267	2.3574
49	16:01:13	0.4674	0.4668	62.2400	2.3562
50	16:31:15	0.4675	0.4669	62.2533	2.3551
51	17:01:17	0.4676	0.4670	62.2667	2.3539
52	17:31:20	0.4678	0.4672	62.2933	2.3515
53	18:01:22	0.4679	0.4673	62.3067	2.3503
54	18:31:24	0.4679	0.4673	62.3067	2.3503
55	19:01:26	0.4680	0.4674	62.3200	2.3491
56	19:31:29	0.4680	0.4674	62.3200	2.3491
57	20:01:31	0.4681	0.4675	62.3333	2.3480
58	20:31:33	0.4681	0.4675	62.3333	2.3480
59	21:01:36	0.4682	0.4676	62.3467	2.3468
60	21:14:34	0.4682	0.4676	62.3467	2.3468

**Consolidation Test
Test Results**



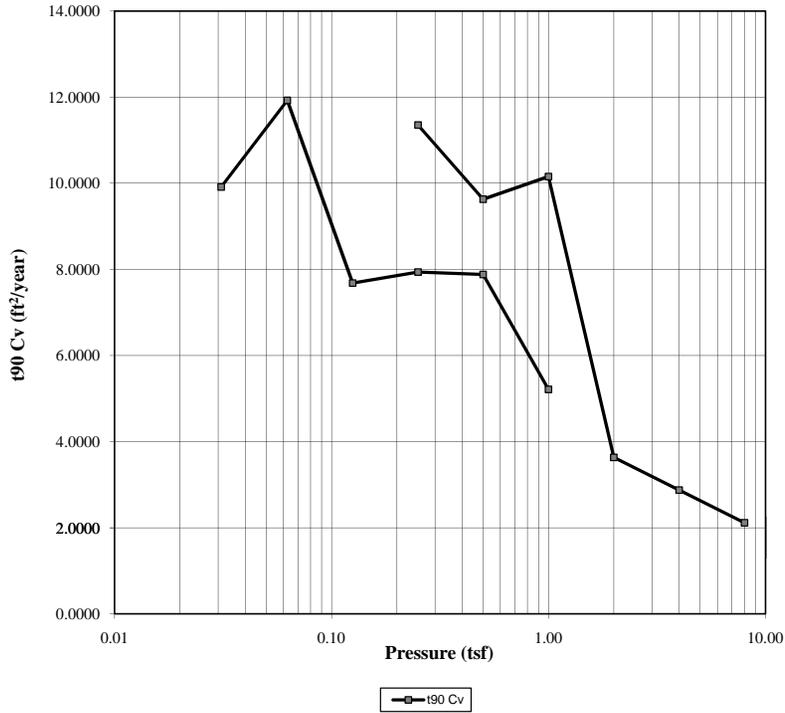
	Before	After	Liquid Limits:	75	Test Date:	16 June 11
Moisture (%):	75.22	37.77	Plastic Limits:	28		
Dry Density (pcf):	52.57	87.19	Plasticity Index (%):	46		
Saturation (%):	94.00	114.91				
Void Ratio:	2.0605	0.6947	Specific Gravity:	2.582	Measured	
Sample Description:	Clay with organic matter (CH)					
Sample Number:	16715-020-00	Depth:	9 - 11 feet	Remarks:		
Sample Number:		Boring Number:	17			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

**Consolidation Test
Test Results**



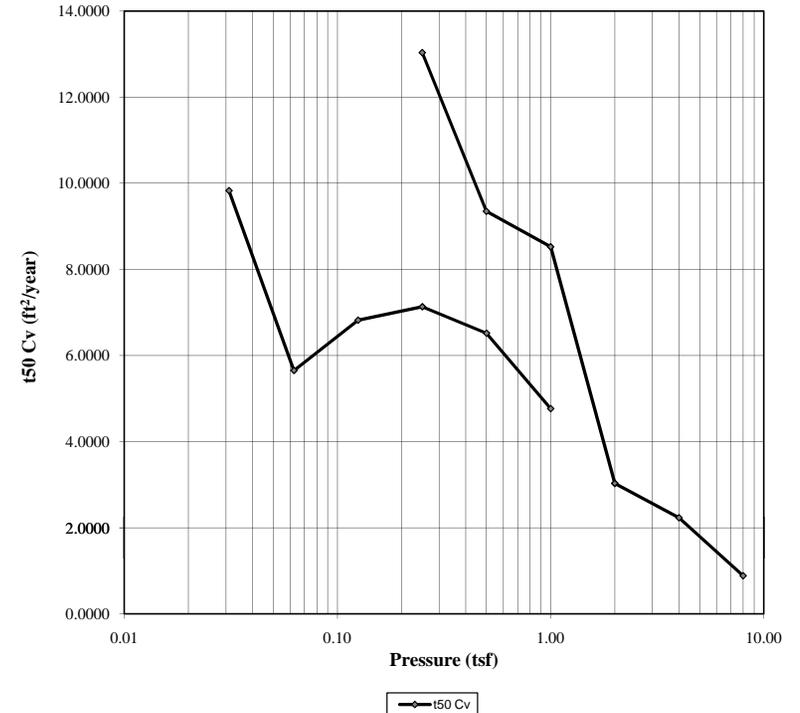
	Before	After	Liquid Limits:	75	Test Date:	16 June 11
Moisture (%):	75.22	37.77	Plastic Limits:	28		
Dry Density (pcf):	52.57	87.19	Plasticity Index (%):	46		
Saturation (%):	94.00	114.91				
Void Ratio:	2.0605	0.6947	Specific Gravity:	2.582	Measured	
Soil Description:	Clay with organic matter (CH)					
Project Number:	16715-020-00	Depth:	9 - 11 feet	Remarks:		
Sample Number:		Boring Number:	17			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	75	Test Date:	16 June 11
Moisture (%):	75.22	37.77	Plastic Limits:	28		
Dry Density (pcf):	52.57	87.19	Plasticity Index (%):	46		
Saturation (%):	94.00	114.91				
Void Ratio:	2.0605	0.6947	Specific Gravity:	2.582	Measured	
Soil Description:	Clay with organic matter (CH)					
Sample Number:	16715-020-00	Depth:	9 - 11 feet		Remarks:	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)		Boring Number: 17			
Client:	LA Office of Coastal Protection and Restoration					
Location:						

**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	75	Test Date:	16 June 11
Moisture (%):	75.22	37.77	Plastic Limits:	28		
Dry Density (pcf):	52.57	87.19	Plasticity Index (%):	46		
Saturation (%):	94.00	114.91				
Void Ratio:	2.0605	0.6947	Specific Gravity:	2.582	Measured	
Soil Description:	Clay with organic matter (CH)					
Sample Number:	16715-020-00	Depth:	9 - 11 feet		Remarks:	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)		Boring Number: 17			
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

Project Number: 16715-020-00

Sample Number: 17
Boring Number: 9 - 11 feet
Depth:
Sample Type: Undisturbed

Sample Description: Clay with organic matter (CH)
Remarks:

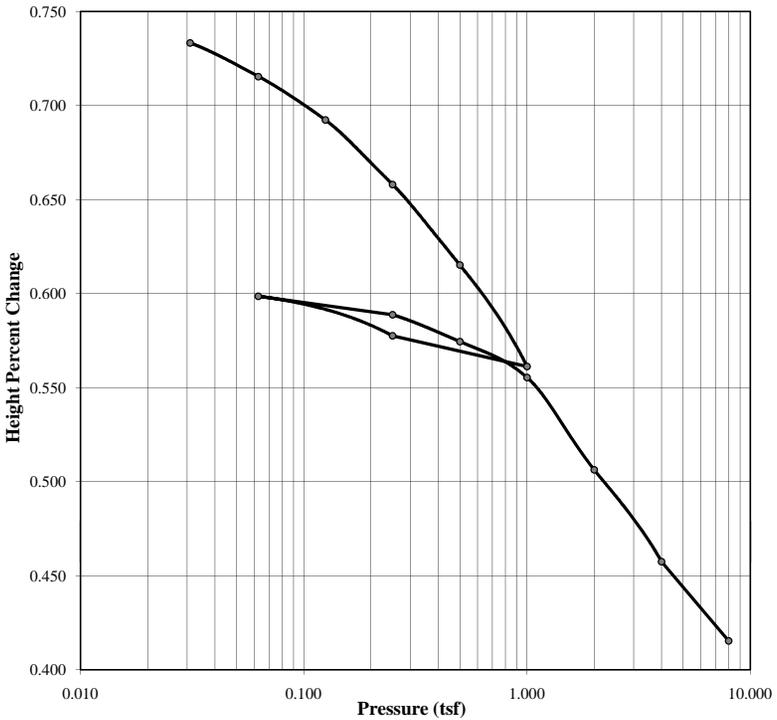
Test Number:
Test Date: 16 June 11

Index	Load Sequence (tsf)	Cumulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t150 Fitting Time (min)	q90 Cv (t12/year)	q150 Cv (t12/year)
0	0.000	0.0000	0.2500	0.5050	0.00	2.0606	0.000	0.000	0.000	0.000
1	0.031	0.0168	0.7332	0.4882	2.24	1.9921	41.956	9.834	9.915	9.827
2	0.063	0.0347	0.7153	0.4703	4.63	1.9190	33.198	16.271	11.926	5.653
3	0.125	0.0577	0.6923	0.4473	7.69	1.8252	48.282	12.634	7.681	6.820
4	0.250	0.0920	0.6580	0.4130	12.27	1.6852	42.202	10.915	7.939	7.131
5	0.500	0.1348	0.6152	0.3702	17.97	1.5105	37.162	10.442	7.881	6.516
6	1.000	0.1888	0.5612	0.3162	25.17	1.2902	46.761	11.880	5.212	4.766
7	0.250	0.1725	0.5775	0.3325	23.00	1.3567	0.000	0.000	0.000	0.000
8	0.063	0.1514	0.5986	0.3536	20.19	1.4428	0.000	0.000	0.000	0.000
9	0.250	0.1613	0.5887	0.3437	21.51	1.4024	23.623	4.781	11.352	13.032
10	0.500	0.1755	0.5745	0.3295	23.40	1.3444	26.524	6.347	9.629	9.349
11	1.000	0.1946	0.5554	0.3104	25.95	1.2665	23.506	6.506	10.154	8.523
12	2.000	0.2457	0.5063	0.2613	32.49	1.0661	54.611	15.212	3.632	3.029
13	4.000	0.2925	0.4575	0.2125	39.00	0.8670	56.309	16.858	2.876	2.332
14	8.000	0.3347	0.4153	0.1703	44.63	0.6948	63.076	* 35.0420	2.116	0.885

Predicted value indicated with *



Consolidation Test Test Results



	Before	After	Liquid Limits:	75	Test Date:	16 June 11
Moisture (%):	75.22	37.77	Plastic Limits:	28		
Dry Density (pcf):	52.57	87.19	Plasticity Index (%):	46		
Saturation (%):	94.00	114.91				
Void Ratio:	2.0605	0.6947	Specific Gravity:	2.582	Measured	
Soil Description:	Clay with organic matter (CH)					
Sample Number:	16715-020-00	Depth:	9 - 11 feet			
Sample Number:	Boring Number: 17		Remarks:			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



**Consolidation Test
Consolidation Specimen Information**

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Job Number:** 11-21 **Test Date:** 16 June 11
Sample Number: **Sample Description:** Clay with organic matter (CH)
Boring Number: 17 **Remarks:**
Depth: 9 - 11 feet
Sample Type: Undisturbed
Test Number: **Initial Void Ratio:** 2.0605 **Initial Height (in):** 0.7500
Liquid Limit: 75.0000 **Plasticity Index (%):** 46.0000 **Initial Diameter (in):** 2.5000
Plastic Limit: 28.0000 **Weight of Ring (g):** 234.8200
Specific Gravity: 2.5820 **Measured**

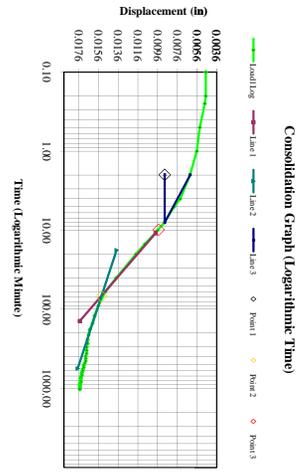
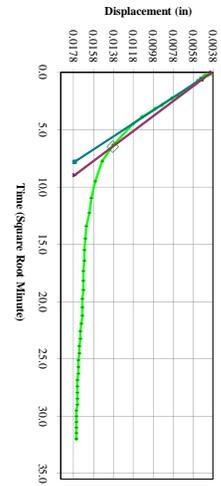
Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	146.70	85.90
Dry Soil + Container (g)	93.40	68.54
Weight of Container (g)	22.54	22.58
Moisture Content (%)	75.22	37.77
Void Ratio	2.0605	0.6947
Saturation (%)	94.00	114.91
Dry Density (pcf)	52.57	87.19

**Consolidation Test Results
(Sequence 1) Load 0.031 tsf**

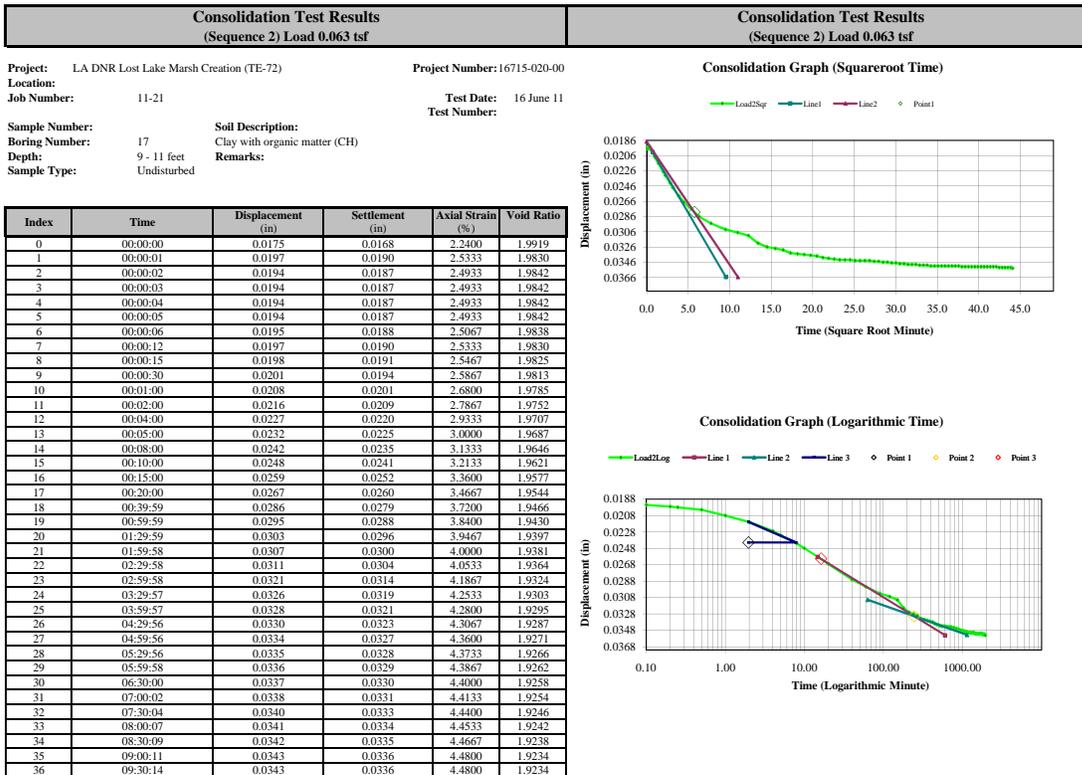
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Job Number:** 11-21 **Test Date:** 16 June 11
Sample Number: **Sample Description:** Clay with organic matter (CH)
Boring Number: 17 **Remarks:**
Depth: 9 - 11 feet
Sample Type: Undisturbed

**Consolidation Test Results
(Sequence 1) Load 0.031 tsf**

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0007	0.0000	0.0000	2.0605
1	00:00:01	0.0040	0.0033	0.4000	2.0370
2	00:00:02	0.0043	0.0036	0.4800	2.0458
3	00:00:03	0.0043	0.0038	0.4800	2.0488
4	00:00:04	0.0045	0.0038	0.5000	2.0480
5	00:00:05	0.0046	0.0039	0.5200	2.0446
6	00:00:06	0.0047	0.0040	0.5333	2.0442
7	00:00:07	0.0048	0.0041	0.5467	2.0438
8	00:00:11	0.0053	0.0046	0.6133	2.0417
9	00:00:30	0.0056	0.0049	0.6533	2.0405
10	00:01:00	0.0056	0.0056	0.7467	2.0376
11	00:02:00	0.0065	0.0066	0.8800	2.0336
12	00:04:01	0.0073	0.0072	0.9600	2.0311
13	00:05:01	0.0079	0.0072	1.0933	2.0270
14	00:08:01	0.0089	0.0082	1.1875	2.0242
15	00:10:01	0.0096	0.0089	1.3000	2.0189
16	00:15:01	0.0109	0.0102	1.4800	2.0152
17	00:20:02	0.0118	0.0111	1.6000	2.0122
18	00:25:02	0.0126	0.0119	1.8033	2.0079
19	00:30:02	0.0135	0.0126	1.9867	1.9997
20	01:30:07	0.0136	0.0129	2.0400	1.9981
21	02:30:09	0.0160	0.0133	2.0667	1.9972
22	02:30:12	0.0162	0.0135	2.0667	1.9972
23	03:30:14	0.0165	0.0138	2.1000	1.9960
24	03:30:16	0.0166	0.0139	2.1333	1.9952
25	04:30:18	0.0167	0.0140	2.1467	1.9948
26	04:30:21	0.0167	0.0140	2.1467	1.9948
27	05:30:23	0.0168	0.0141	2.1467	1.9948
28	05:30:23	0.0168	0.0141	2.1467	1.9948
29	06:30:28	0.0169	0.0142	2.1600	1.9944
30	06:30:30	0.0169	0.0142	2.1600	1.9944
31	07:30:34	0.0169	0.0142	2.1600	1.9944
32	07:30:34	0.0169	0.0142	2.1600	1.9944
33	08:30:37	0.0170	0.0143	2.1867	1.9940
34	08:30:39	0.0171	0.0144	2.1867	1.9936
35	09:30:41	0.0171	0.0144	2.1867	1.9936
36	09:30:44	0.0172	0.0145	2.2000	1.9932



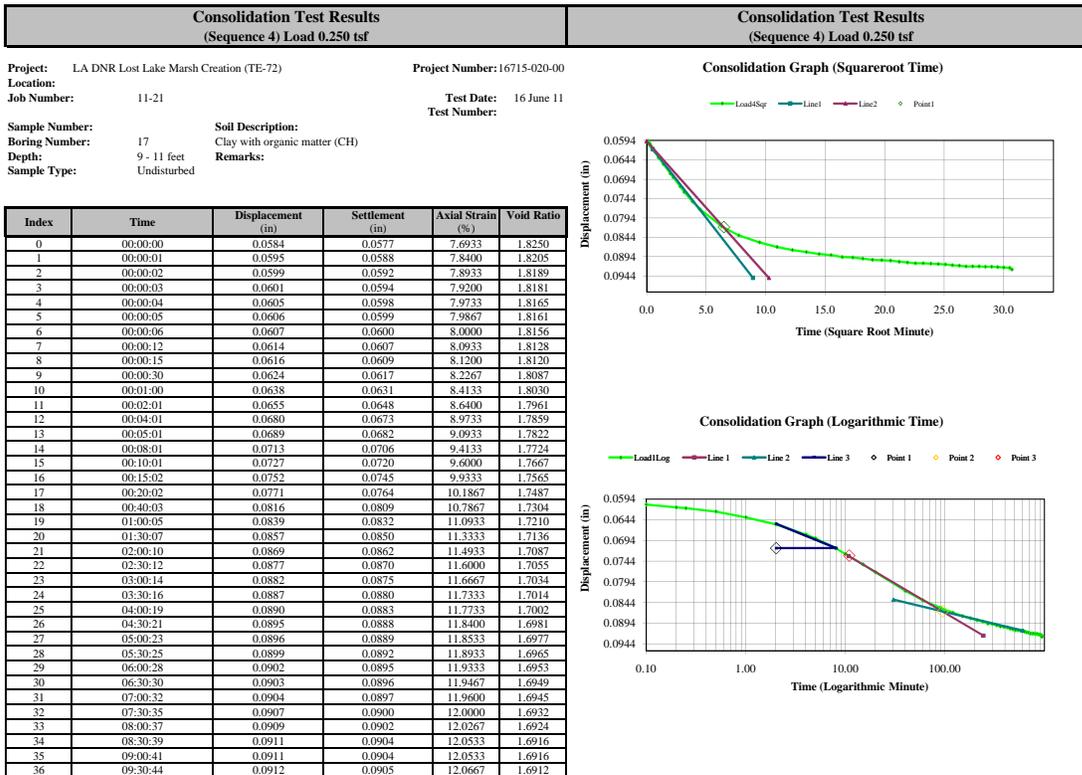
37	10:00:46	0.0172	0.0165	2.2000	1.9932
38	10:30:48	0.0173	0.0166	2.2133	1.9928
39	11:00:51	0.0173	0.0166	2.2133	1.9928
40	11:30:53	0.0173	0.0166	2.2133	1.9928
41	12:00:50	0.0174	0.0167	2.2267	1.9923
42	12:30:57	0.0174	0.0167	2.2267	1.9923
43	13:01:00	0.0174	0.0167	2.2267	1.9923
44	13:31:02	0.0174	0.0167	2.2267	1.9923
45	14:01:04	0.0174	0.0167	2.2267	1.9923
46	14:31:07	0.0175	0.0168	2.2400	1.9919
47	15:01:09	0.0175	0.0168	2.2400	1.9919
48	15:31:11	0.0175	0.0168	2.2400	1.9919
49	16:01:13	0.0175	0.0168	2.2400	1.9919
50	16:31:16	0.0175	0.0168	2.2400	1.9919
51	17:01:18	0.0175	0.0168	2.2400	1.9919
52	17:03:34	0.0175	0.0168	2.2400	1.9919



37	10:00:16	0.0343	0.0336	4.4800	1.9234
38	10:30:18	0.0344	0.0337	4.4933	1.9230
39	11:00:20	0.0344	0.0337	4.4933	1.9230
40	11:30:23	0.0344	0.0337	4.4933	1.9230
41	12:00:25	0.0344	0.0337	4.4933	1.9230
42	12:30:27	0.0345	0.0338	4.5067	1.9226
43	13:00:30	0.0345	0.0338	4.5067	1.9226
44	13:30:32	0.0346	0.0339	4.5200	1.9222
45	14:00:34	0.0346	0.0339	4.5200	1.9222
46	14:30:36	0.0347	0.0340	4.5333	1.9217
47	15:00:39	0.0347	0.0340	4.5333	1.9217
48	15:30:41	0.0348	0.0341	4.5467	1.9213
49	16:00:43	0.0348	0.0341	4.5467	1.9213
50	16:30:45	0.0349	0.0342	4.5600	1.9209
51	17:00:48	0.0349	0.0342	4.5600	1.9209
52	17:30:50	0.0349	0.0342	4.5600	1.9209
53	18:00:52	0.0350	0.0343	4.5733	1.9205
54	18:30:55	0.0350	0.0343	4.5733	1.9205
55	19:00:57	0.0350	0.0343	4.5733	1.9205
56	19:30:59	0.0351	0.0344	4.5867	1.9201
57	20:01:01	0.0351	0.0344	4.5867	1.9201
58	20:31:03	0.0351	0.0344	4.5867	1.9201
59	21:01:06	0.0351	0.0344	4.5867	1.9201
60	21:31:08	0.0351	0.0344	4.5867	1.9201
61	22:01:10	0.0351	0.0344	4.5867	1.9201
62	22:31:12	0.0351	0.0344	4.5867	1.9201
63	23:01:15	0.0351	0.0344	4.5867	1.9201
64	23:31:17	0.0351	0.0344	4.5867	1.9201
65	24:01:19	0.0352	0.0345	4.6000	1.9197
66	24:31:22	0.0352	0.0345	4.6000	1.9197
67	25:01:24	0.0352	0.0345	4.6000	1.9197
68	25:31:26	0.0352	0.0345	4.6000	1.9197
69	26:01:28	0.0352	0.0345	4.6000	1.9197
70	26:31:31	0.0352	0.0345	4.6000	1.9197
71	27:01:33	0.0352	0.0345	4.6000	1.9197
72	27:31:35	0.0352	0.0345	4.6000	1.9197
73	28:01:38	0.0352	0.0345	4.6000	1.9197
74	28:31:40	0.0352	0.0345	4.6000	1.9197
75	29:01:42	0.0352	0.0345	4.6000	1.9197
76	29:31:45	0.0352	0.0345	4.6000	1.9197
77	30:01:47	0.0353	0.0346	4.6133	1.9193
78	30:31:49	0.0353	0.0346	4.6133	1.9193
79	31:01:51	0.0353	0.0346	4.6133	1.9193
80	31:31:54	0.0353	0.0346	4.6133	1.9193
81	32:01:56	0.0353	0.0346	4.6133	1.9193
82	32:20:44	0.0354	0.0347	4.6267	1.9189

Consolidation Test Results (Sequence 3) Load 0.125 tsf						Consolidation Test Results (Sequence 3) Load 0.125 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			Consolidation Graph (Square-root Time)					
Location:			Test Date: 16 June 11								
Job Number: 11-21			Test Number:								
Sample Number:			Soil Description: Clay with organic matter (CH)								
Boring Number: 17			Remarks:								
Depth: 9 - 11 feet											
Sample Type: Undisturbed											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.0354	0.0347	4.6267	1.9189						
1	00:00:01	0.0357	0.0350	4.6667	1.9177						
2	00:00:02	0.0361	0.0354	4.7200	1.9160						
3	00:00:03	0.0363	0.0356	4.7467	1.9152						
4	00:00:04	0.0364	0.0357	4.7600	1.9148						
5	00:00:05	0.0366	0.0359	4.7867	1.9140						
6	00:00:06	0.0367	0.0360	4.8000	1.9136						
7	00:00:12	0.0369	0.0362	4.8267	1.9128						
8	00:00:15	0.0370	0.0363	4.8400	1.9124						
9	00:00:30	0.0376	0.0369	4.9200	1.9099						
10	00:01:00	0.0384	0.0377	5.0267	1.9066						
11	00:02:00	0.0395	0.0388	5.1733	1.9022						
12	00:04:00	0.0411	0.0404	5.3867	1.8956						
13	00:05:00	0.0417	0.0410	5.4667	1.8932						
14	00:08:00	0.0432	0.0425	5.6667	1.8871						
15	00:10:00	0.0441	0.0434	5.7867	1.8834						
16	00:15:01	0.0457	0.0450	6.0000	1.8769						
17	00:20:01	0.0471	0.0464	6.1867	1.8711						
18	00:40:03	0.0500	0.0493	6.5733	1.8593						
19	01:00:04	0.0515	0.0508	6.7733	1.8532						
20	01:30:07	0.0528	0.0521	6.9467	1.8479						
21	02:00:09	0.0536	0.0529	7.0533	1.8446						
22	02:30:11	0.0543	0.0536	7.1467	1.8418						
23	03:00:13	0.0546	0.0539	7.1867	1.8405						
24	03:30:16	0.0551	0.0544	7.2533	1.8385						
25	04:00:18	0.0552	0.0545	7.2667	1.8381						
26	04:30:20	0.0556	0.0549	7.3200	1.8365						
27	05:00:23	0.0559	0.0552	7.3600	1.8352						
28	05:30:25	0.0560	0.0553	7.3733	1.8348						
29	06:00:27	0.0560	0.0553	7.3733	1.8348						
30	06:30:29	0.0562	0.0555	7.4000	1.8340						
31	07:00:32	0.0565	0.0558	7.4400	1.8328						
32	07:30:34	0.0566	0.0559	7.4533	1.8324						
33	08:00:36	0.0567	0.0560	7.4667	1.8320						
34	08:30:39	0.0568	0.0561	7.4800	1.8316						
35	09:00:41	0.0568	0.0561	7.4800	1.8316						
36	09:30:43	0.0569	0.0562	7.4933	1.8312						

37	10:00:45	0.0570	0.0563	7.5067	1.8307
38	10:30:48	0.0571	0.0564	7.5200	1.8303
39	11:00:50	0.0572	0.0565	7.5333	1.8299
40	11:30:52	0.0573	0.0566	7.5467	1.8295
41	12:00:55	0.0574	0.0567	7.5600	1.8291
42	12:30:57	0.0575	0.0568	7.5733	1.8287
43	13:00:59	0.0575	0.0568	7.5733	1.8287
44	13:31:01	0.0575	0.0568	7.5733	1.8287
45	14:01:04	0.0576	0.0569	7.5867	1.8283
46	14:31:06	0.0576	0.0569	7.5867	1.8283
47	15:01:08	0.0576	0.0569	7.5867	1.8283
48	15:31:11	0.0577	0.0570	7.6000	1.8279
49	16:01:13	0.0577	0.0570	7.6000	1.8279
50	16:31:15	0.0578	0.0571	7.6133	1.8275
51	17:01:17	0.0579	0.0572	7.6267	1.8271
52	17:31:20	0.0580	0.0573	7.6400	1.8267
53	18:01:22	0.0580	0.0573	7.6400	1.8267
54	18:31:24	0.0581	0.0574	7.6533	1.8263
55	19:01:27	0.0581	0.0574	7.6533	1.8263
56	19:31:29	0.0582	0.0575	7.6667	1.8259
57	20:01:31	0.0582	0.0575	7.6667	1.8259
58	20:31:33	0.0583	0.0576	7.6800	1.8254
59	21:01:36	0.0583	0.0576	7.6800	1.8254
60	21:31:38	0.0583	0.0576	7.6800	1.8254
61	22:01:40	0.0583	0.0576	7.6800	1.8254
62	22:31:43	0.0583	0.0576	7.6800	1.8254
63	23:01:45	0.0584	0.0577	7.6933	1.8250
64	23:08:25	0.0584	0.0577	7.6933	1.8250



37	10:00:46	0.0913	0.0906	12.0800	1.6908
38	10:30:48	0.0914	0.0907	12.0933	1.6904
39	11:00:51	0.0916	0.0909	12.1200	1.6896
40	11:30:53	0.0917	0.0910	12.1333	1.6891
41	12:00:55	0.0919	0.0912	12.1600	1.6883
42	12:30:57	0.0919	0.0912	12.1600	1.6883
43	13:01:00	0.0919	0.0912	12.1600	1.6883
44	13:31:02	0.0920	0.0913	12.1733	1.6879
45	14:01:04	0.0920	0.0913	12.1733	1.6879
46	14:31:07	0.0921	0.0914	12.1867	1.6875
47	15:01:09	0.0922	0.0915	12.2000	1.6871
48	15:31:11	0.0923	0.0916	12.2133	1.6867
49	15:42:40	0.0927	0.0920	12.2667	1.6851

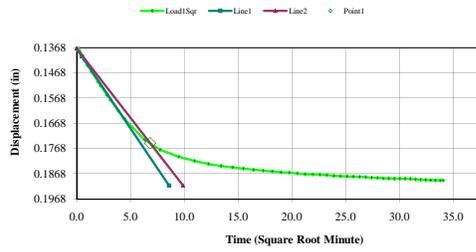
Consolidation Test Results (Sequence 5) Load 0.500 tsf						Consolidation Test Results (Sequence 5) Load 0.500 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			Consolidation Test Results (Sequence 5) Load 0.500 tsf			Consolidation Test Results (Sequence 5) Load 0.500 tsf		
Location:			Test Date: 16 June 11			Consolidation Graph (Square-root Time)			Consolidation Graph (Logarithmic Time)		
Job Number: 11-21			Test Number:								
Sample Number:		Soil Description:		Remarks: Clay with organic matter (CH)							
Boring Number: 17		Depth: 9 - 11 feet									
Depth:		Sample Type: Undisturbed									
Sample Type:											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.0927	0.0920	12.2667	1.6851						
1	00:00:00	0.0943	0.0936	12.4800	1.6785						
2	00:00:01	0.0947	0.0940	12.5333	1.6769						
3	00:00:02	0.0951	0.0944	12.5867	1.6753						
4	00:00:03	0.0952	0.0945	12.6000	1.6749						
5	00:00:04	0.0954	0.0947	12.6267	1.6741						
6	00:00:05	0.0957	0.0950	12.6667	1.6728						
7	00:00:12	0.0965	0.0958	12.7733	1.6696						
8	00:00:15	0.0967	0.0960	12.8000	1.6687						
9	00:00:30	0.0979	0.0972	12.9600	1.6638						
10	00:01:00	0.0996	0.0989	13.1867	1.6569						
11	00:02:00	0.1019	0.1012	13.4933	1.6475						
12	00:04:00	0.1052	0.1045	13.9333	1.6341						
13	00:05:00	0.1064	0.1057	14.0933	1.6292						
14	00:08:00	0.1096	0.1089	14.5200	1.6161						
15	00:10:00	0.1113	0.1106	14.7467	1.6092						
16	00:15:01	0.1149	0.1142	15.2267	1.5945						
17	00:20:01	0.1175	0.1168	15.5733	1.5839						
18	00:40:03	0.1237	0.1230	16.4000	1.5586						
19	01:00:04	0.1266	0.1259	16.7867	1.5467						
20	01:30:06	0.1292	0.1285	17.1333	1.5361						
21	02:00:09	0.1305	0.1298	17.3067	1.5308						
22	02:30:11	0.1316	0.1309	17.4533	1.5263						
23	03:00:13	0.1323	0.1316	17.5467	1.5235						
24	03:30:15	0.1328	0.1321	17.6133	1.5214						
25	04:00:18	0.1334	0.1327	17.6933	1.5190						
26	04:30:20	0.1336	0.1329	17.7200	1.5182						
27	05:00:22	0.1344	0.1337	17.8267	1.5149						
28	05:30:25	0.1351	0.1344	17.9200	1.5120						
29	05:59:23	0.1355	0.1348	17.9733	1.5104						
Tested By:			Checked By:								

Consolidation Test Results (Sequence 6) Load 1.000 tsf	Consolidation Test Results (Sequence 6) Load 1.000 tsf
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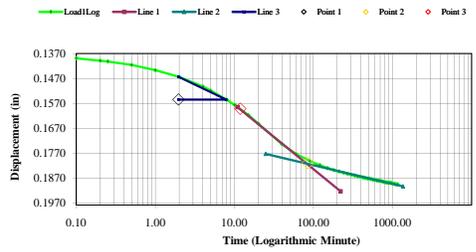
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 17 Clay with organic matter (CH)
Depth: 9 - 11 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1355	0.1348	17.9733	1.5104
1	00:00:01	0.1370	0.1363	18.1733	1.5043
2	00:00:02	0.1376	0.1369	18.2533	1.5018
3	00:00:03	0.1382	0.1375	18.3333	1.4994
4	00:00:04	0.1384	0.1377	18.3600	1.4986
5	00:00:05	0.1386	0.1379	18.3867	1.4978
6	00:00:06	0.1389	0.1382	18.4267	1.4965
7	00:00:12	0.1399	0.1392	18.5600	1.4925
8	00:00:15	0.1402	0.1395	18.6000	1.4912
9	00:00:30	0.1416	0.1409	18.7867	1.4855
10	00:01:00	0.1437	0.1430	19.0667	1.4770
11	00:02:00	0.1464	0.1457	19.4267	1.4659
12	00:04:00	0.1503	0.1496	19.9467	1.4500
13	00:05:00	0.1519	0.1512	20.1600	1.4435
14	00:08:00	0.1556	0.1549	20.6533	1.4284
15	00:10:01	0.1576	0.1569	20.9200	1.4202
16	00:15:01	0.1618	0.1611	21.4800	1.4031
17	00:20:01	0.1651	0.1644	21.9200	1.3896
18	00:40:03	0.1734	0.1727	23.0267	1.3558
19	01:00:04	0.1773	0.1766	23.5467	1.3398
20	01:30:07	0.1801	0.1794	23.9200	1.3284
21	02:00:09	0.1818	0.1811	24.1467	1.3215
22	02:30:11	0.1830	0.1823	24.3067	1.3166
23	03:00:13	0.1838	0.1831	24.4133	1.3133
24	03:30:16	0.1843	0.1836	24.4800	1.3113
25	04:00:18	0.1848	0.1841	24.5467	1.3092
26	04:30:20	0.1853	0.1846	24.6133	1.3072
27	05:00:23	0.1856	0.1849	24.6533	1.3060
28	05:30:25	0.1859	0.1852	24.6933	1.3048
29	06:00:27	0.1863	0.1856	24.7467	1.3031
30	06:30:30	0.1864	0.1857	24.7600	1.3027
31	07:00:32	0.1867	0.1860	24.8000	1.3015
32	07:30:34	0.1870	0.1863	24.8400	1.3003
33	08:00:36	0.1871	0.1864	24.8533	1.2999
34	08:30:39	0.1872	0.1865	24.8667	1.2994
35	09:00:41	0.1874	0.1867	24.8933	1.2986
36	09:30:43	0.1877	0.1870	24.9333	1.2974

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

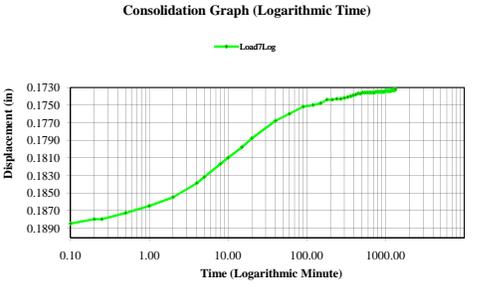
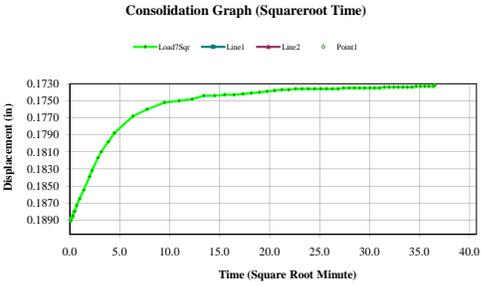


37	10:00:46	0.1878	0.1871	24.9467	1.2970
38	10:30:48	0.1879	0.1872	24.9600	1.2966
39	11:00:50	0.1880	0.1873	24.9733	1.2962
40	11:30:52	0.1881	0.1874	24.9867	1.2958
41	12:00:55	0.1882	0.1875	25.0000	1.2954
42	12:30:57	0.1884	0.1877	25.0267	1.2946
43	13:00:59	0.1885	0.1878	25.0400	1.2941
44	13:31:02	0.1887	0.1880	25.0667	1.2933
45	14:01:04	0.1887	0.1880	25.0667	1.2933
46	14:31:06	0.1888	0.1881	25.0800	1.2929
47	15:01:09	0.1888	0.1881	25.0800	1.2929
48	15:31:11	0.1888	0.1881	25.0800	1.2929
49	16:01:13	0.1889	0.1882	25.0933	1.2925
50	16:31:15	0.1891	0.1884	25.1200	1.2917
51	17:01:18	0.1892	0.1885	25.1333	1.2913
52	17:31:20	0.1893	0.1886	25.1467	1.2909
53	18:01:22	0.1894	0.1887	25.1600	1.2905
54	18:31:24	0.1895	0.1888	25.1733	1.2901
55	19:01:27	0.1895	0.1888	25.1733	1.2901
56	19:18:38	0.1895	0.1888	25.1733	1.2901

Consolidation Test Results (Sequence 7) Rebound 0.250 tsf	Consolidation Test Results (Sequence 7) Rebound 0.250 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 17 Clay with organic matter (CH)
Depth: 9 - 11 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1895	0.1888	25.1733	1.2901
1	00:00:01	0.1891	0.1884	25.1200	1.2917
2	00:00:02	0.1888	0.1881	25.0800	1.2929
3	00:00:03	0.1887	0.1880	25.0667	1.2933
4	00:00:04	0.1887	0.1880	25.0667	1.2933
5	00:00:05	0.1886	0.1879	25.0533	1.2937
6	00:00:06	0.1885	0.1878	25.0400	1.2941
7	00:00:12	0.1880	0.1873	24.9733	1.2962
8	00:00:15	0.1880	0.1873	24.9733	1.2962
9	00:00:30	0.1873	0.1866	24.8800	1.2990
10	00:01:00	0.1865	0.1858	24.7733	1.3023
11	00:02:00	0.1855	0.1848	24.6400	1.3064
12	00:04:00	0.1839	0.1832	24.4267	1.3129
13	00:05:00	0.1832	0.1825	24.3333	1.3158
14	00:08:01	0.1817	0.1810	24.1333	1.3219
15	00:10:01	0.1810	0.1803	24.0400	1.3247
16	00:15:01	0.1798	0.1791	23.8800	1.3296
17	00:20:02	0.1788	0.1781	23.7467	1.3337
18	00:40:03	0.1768	0.1761	23.4800	1.3419
19	01:00:05	0.1760	0.1753	23.3733	1.3452
20	01:30:07	0.1752	0.1745	23.2667	1.3484
21	02:00:09	0.1750	0.1743	23.2400	1.3492
22	02:30:11	0.1748	0.1741	23.2133	1.3500
23	03:00:14	0.1744	0.1737	23.1600	1.3517
24	03:30:16	0.1744	0.1737	23.1600	1.3517
25	04:00:18	0.1743	0.1736	23.1467	1.3521
26	04:30:20	0.1743	0.1736	23.1467	1.3521
27	05:00:23	0.1742	0.1735	23.1333	1.3525
28	05:30:25	0.1741	0.1734	23.1200	1.3529
29	06:00:27	0.1740	0.1733	23.1067	1.3533
30	06:30:30	0.1739	0.1732	23.0933	1.3537
31	07:00:32	0.1738	0.1731	23.0800	1.3541
32	07:30:34	0.1737	0.1730	23.0667	1.3545
33	08:00:37	0.1737	0.1730	23.0667	1.3545
34	08:30:39	0.1736	0.1729	23.0533	1.3549
35	09:00:41	0.1736	0.1729	23.0533	1.3549
36	09:30:43	0.1736	0.1729	23.0533	1.3549

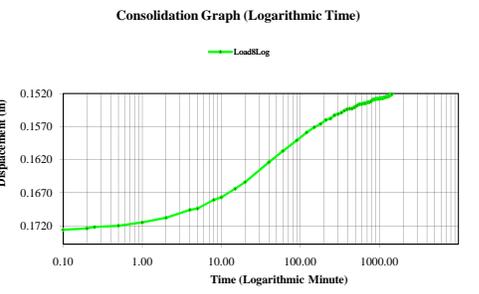
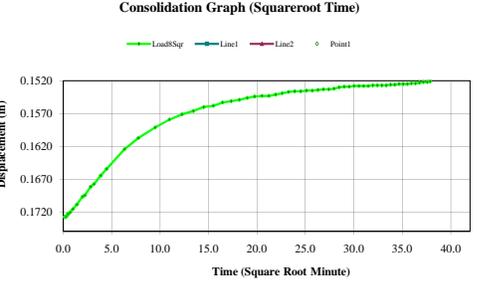


37	10:00:46	0.1736	0.1729	23.0533	1.3549
38	10:30:48	0.1736	0.1729	23.0533	1.3549
39	11:00:50	0.1736	0.1729	23.0533	1.3549
40	11:30:52	0.1736	0.1729	23.0533	1.3549
41	12:00:55	0.1736	0.1729	23.0533	1.3549
42	12:30:57	0.1735	0.1728	23.0400	1.3554
43	13:00:59	0.1735	0.1728	23.0400	1.3554
44	13:31:02	0.1735	0.1728	23.0400	1.3554
45	14:01:04	0.1735	0.1728	23.0400	1.3554
46	14:31:06	0.1735	0.1728	23.0400	1.3554
47	15:01:08	0.1735	0.1728	23.0400	1.3554
48	15:31:11	0.1735	0.1728	23.0400	1.3554
49	16:01:13	0.1735	0.1728	23.0400	1.3554
50	16:31:15	0.1734	0.1727	23.0267	1.3558
51	17:01:18	0.1734	0.1727	23.0267	1.3558
52	17:31:20	0.1734	0.1727	23.0267	1.3558
53	18:01:22	0.1734	0.1727	23.0267	1.3558
54	18:31:25	0.1734	0.1727	23.0267	1.3558
55	19:01:27	0.1734	0.1727	23.0267	1.3558
56	19:31:29	0.1734	0.1727	23.0267	1.3558
57	20:01:31	0.1733	0.1726	23.0133	1.3562
58	20:31:34	0.1733	0.1726	23.0133	1.3562
59	21:01:36	0.1733	0.1726	23.0133	1.3562
60	21:31:38	0.1733	0.1726	23.0133	1.3562
61	22:01:40	0.1733	0.1726	23.0133	1.3562
62	22:13:43	0.1732	0.1725	23.0000	1.3566

Consolidation Test Results (Sequence 8) Rebound 0.063 tsf	Consolidation Test Results (Sequence 8) Rebound 0.063 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 17 Clay with organic matter (CH)
Depth: 9 - 11 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1732	0.1725	23.0000	1.3566
1	00:00:01	0.1727	0.1720	22.9333	1.3586
2	00:00:02	0.1727	0.1720	22.9333	1.3586
3	00:00:03	0.1727	0.1720	22.9333	1.3586
4	00:00:04	0.1727	0.1720	22.9333	1.3586
5	00:00:05	0.1726	0.1719	22.9200	1.3590
6	00:00:06	0.1726	0.1719	22.9200	1.3590
7	00:00:12	0.1724	0.1717	22.8933	1.3598
8	00:00:15	0.1722	0.1715	22.8667	1.3607
9	00:00:30	0.1720	0.1713	22.8400	1.3615
10	00:01:00	0.1715	0.1708	22.7733	1.3635
11	00:02:00	0.1708	0.1701	22.6800	1.3664
12	00:04:00	0.1696	0.1689	22.5200	1.3713
13	00:05:00	0.1694	0.1687	22.4933	1.3721
14	00:08:01	0.1681	0.1674	22.3200	1.3774
15	00:10:01	0.1677	0.1670	22.2667	1.3790
16	00:15:01	0.1664	0.1657	22.0933	1.3843
17	00:20:01	0.1654	0.1647	21.9600	1.3884
18	00:40:03	0.1624	0.1617	21.5600	1.4006
19	01:00:04	0.1607	0.1600	21.3333	1.4076
20	01:30:07	0.1591	0.1584	21.1200	1.4141
21	02:00:09	0.1579	0.1572	20.9600	1.4190
22	02:30:11	0.1571	0.1564	20.8533	1.4223
23	03:00:13	0.1566	0.1559	20.7867	1.4243
24	03:30:16	0.1560	0.1553	20.7067	1.4268
25	04:00:18	0.1558	0.1551	20.6800	1.4276
26	04:30:20	0.1553	0.1546	20.6133	1.4296
27	05:00:22	0.1551	0.1544	20.5867	1.4304
28	05:30:25	0.1549	0.1542	20.5600	1.4313
29	06:00:27	0.1546	0.1539	20.5200	1.4325
30	06:30:29	0.1544	0.1537	20.4933	1.4333
31	07:00:31	0.1543	0.1536	20.4800	1.4337
32	07:30:34	0.1543	0.1536	20.4800	1.4337
33	08:00:36	0.1541	0.1534	20.4533	1.4345
34	08:30:38	0.1539	0.1532	20.4267	1.4353
35	09:00:41	0.1537	0.1530	20.4000	1.4361
36	09:30:43	0.1536	0.1529	20.3867	1.4366



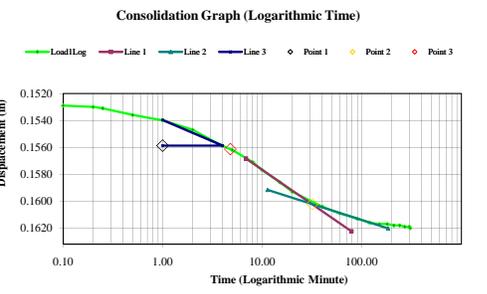
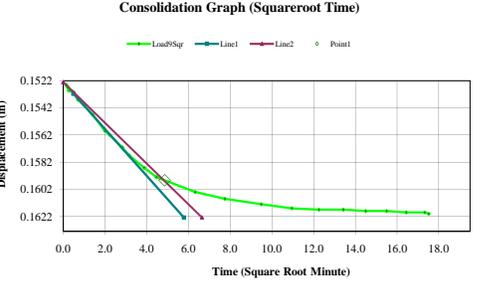
37	10:00:45	0.1536	0.1529	20.3867	1.4366
38	10:30:47	0.1535	0.1528	20.3733	1.4370
39	11:00:50	0.1535	0.1528	20.3733	1.4370
40	11:30:52	0.1534	0.1527	20.3600	1.4374
41	12:00:54	0.1533	0.1526	20.3467	1.4378
42	12:30:57	0.1533	0.1526	20.3467	1.4378
43	13:00:59	0.1532	0.1525	20.3333	1.4382
44	13:31:01	0.1530	0.1523	20.3067	1.4390
45	14:01:03	0.1529	0.1522	20.2933	1.4394
46	14:31:06	0.1529	0.1522	20.2933	1.4394
47	15:01:08	0.1528	0.1521	20.2800	1.4398
48	15:31:10	0.1528	0.1521	20.2800	1.4398
49	16:01:12	0.1528	0.1521	20.2800	1.4398
50	16:31:15	0.1528	0.1521	20.2800	1.4398
51	17:01:17	0.1527	0.1520	20.2667	1.4402
52	17:31:19	0.1527	0.1520	20.2667	1.4402
53	18:01:22	0.1527	0.1520	20.2667	1.4402
54	18:31:24	0.1527	0.1520	20.2667	1.4402
55	19:01:26	0.1526	0.1519	20.2533	1.4406
56	19:31:28	0.1526	0.1519	20.2533	1.4406
57	20:01:31	0.1525	0.1518	20.2400	1.4410
58	20:31:33	0.1525	0.1518	20.2400	1.4410
59	21:01:35	0.1525	0.1518	20.2400	1.4410
60	21:31:38	0.1524	0.1517	20.2267	1.4415
61	22:01:40	0.1524	0.1517	20.2267	1.4415
62	22:31:42	0.1523	0.1516	20.2133	1.4419
63	23:01:44	0.1522	0.1515	20.2000	1.4423
64	23:31:47	0.1522	0.1515	20.2000	1.4423
65	23:53:48	0.1521	0.1514	20.1867	1.4427

Consolidation Test Results (Sequence 9) Load 0.250 tsf	Consolidation Test Results (Sequence 9) Load 0.250 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 17 Clay with organic matter (CH)
Depth: 9 - 11 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1521	0.1514	20.1867	1.4427
1	00:00:01	0.1525	0.1518	20.2400	1.4410
2	00:00:02	0.1526	0.1519	20.2533	1.4406
3	00:00:03	0.1527	0.1520	20.2667	1.4402
4	00:00:04	0.1529	0.1522	20.2933	1.4394
5	00:00:05	0.1529	0.1522	20.2933	1.4394
6	00:00:06	0.1529	0.1522	20.2933	1.4394
7	00:00:12	0.1530	0.1523	20.3067	1.4390
8	00:00:15	0.1531	0.1524	20.3200	1.4386
9	00:00:30	0.1536	0.1529	20.3867	1.4366
10	00:01:00	0.1540	0.1533	20.4400	1.4349
11	00:02:00	0.1547	0.1540	20.5333	1.4321
12	00:04:00	0.1559	0.1552	20.6933	1.4272
13	00:05:00	0.1562	0.1555	20.7333	1.4259
14	00:08:00	0.1571	0.1564	20.8533	1.4223
15	00:10:01	0.1577	0.1570	20.9333	1.4198
16	00:15:01	0.1586	0.1579	21.0533	1.4162
17	00:20:01	0.1593	0.1586	21.1467	1.4133
18	00:40:03	0.1604	0.1597	21.2933	1.4088
19	01:00:04	0.1609	0.1602	21.3600	1.4068
20	01:30:07	0.1613	0.1606	21.4133	1.4051
21	02:00:09	0.1616	0.1609	21.4533	1.4039
22	02:30:11	0.1617	0.1610	21.4667	1.4035
23	03:00:14	0.1617	0.1610	21.4667	1.4035
24	03:30:16	0.1618	0.1611	21.4800	1.4031
25	04:00:18	0.1618	0.1611	21.4800	1.4031
26	04:30:21	0.1619	0.1612	21.4933	1.4027
27	05:00:23	0.1619	0.1612	21.4933	1.4027
28	05:06:51	0.1620	0.1613	21.5067	1.4023

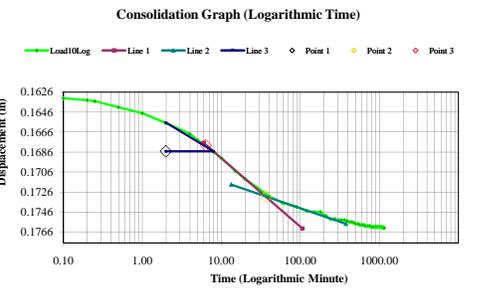
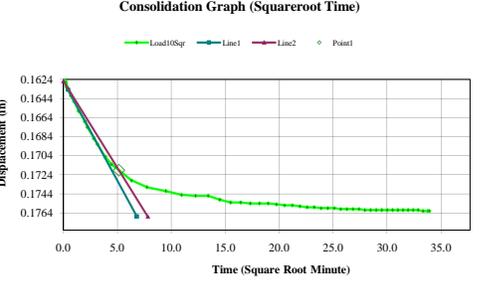
Tested By: **Checked By:**



Consolidation Test Results (Sequence 10) Load 0.500 tsf	Consolidation Test Results (Sequence 10) Load 0.500 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 17 Clay with organic matter (CH)
Depth: 9 - 11 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1620	0.1613	21.5067	1.4023
1	00:00:01	0.1625	0.1618	21.5733	1.4002
2	00:00:02	0.1626	0.1619	21.5867	1.3998
3	00:00:03	0.1627	0.1620	21.6000	1.3994
4	00:00:04	0.1629	0.1622	21.6267	1.3986
5	00:00:05	0.1631	0.1624	21.6533	1.3978
6	00:00:06	0.1632	0.1625	21.6667	1.3974
7	00:00:12	0.1634	0.1627	21.6933	1.3966
8	00:00:15	0.1635	0.1628	21.7067	1.3962
9	00:00:30	0.1641	0.1634	21.7867	1.3937
10	00:01:00	0.1647	0.1640	21.8667	1.3913
11	00:02:00	0.1657	0.1650	22.0000	1.3872
12	00:04:00	0.1668	0.1661	22.1467	1.3827
13	00:05:00	0.1674	0.1667	22.2267	1.3802
14	00:08:01	0.1686	0.1679	22.3867	1.3753
15	00:10:01	0.1692	0.1685	22.4667	1.3729
16	00:15:01	0.1705	0.1698	22.6400	1.3676
17	00:20:01	0.1713	0.1706	22.7467	1.3643
18	00:40:03	0.1730	0.1723	22.9733	1.3574
19	01:00:04	0.1737	0.1730	23.0667	1.3545
20	01:30:07	0.1741	0.1734	23.1200	1.3529
21	02:00:09	0.1745	0.1738	23.1733	1.3513
22	02:30:11	0.1746	0.1739	23.1867	1.3509
23	03:00:14	0.1746	0.1739	23.1867	1.3509
24	03:30:16	0.1750	0.1743	23.2400	1.3492
25	04:00:18	0.1753	0.1746	23.2800	1.3480
26	04:30:21	0.1753	0.1746	23.2800	1.3480
27	05:00:23	0.1754	0.1747	23.2933	1.3476
28	05:30:25	0.1754	0.1747	23.2933	1.3476
29	06:00:27	0.1754	0.1747	23.2933	1.3476
30	06:30:30	0.1755	0.1748	23.3067	1.3472
31	07:00:32	0.1756	0.1749	23.3200	1.3468
32	07:30:34	0.1756	0.1749	23.3200	1.3468
33	08:00:36	0.1757	0.1750	23.3333	1.3464
34	08:30:39	0.1758	0.1751	23.3467	1.3460
35	09:00:41	0.1758	0.1751	23.3467	1.3460
36	09:30:43	0.1759	0.1752	23.3600	1.3456



37	10:00:46	0.1759	0.1752	23.3600	1.3456
38	10:30:48	0.1759	0.1752	23.3600	1.3456
39	11:00:50	0.1760	0.1753	23.3733	1.3452
40	11:30:52	0.1760	0.1753	23.3733	1.3452
41	12:00:55	0.1760	0.1753	23.3733	1.3452
42	12:30:57	0.1760	0.1753	23.3733	1.3452
43	13:00:59	0.1761	0.1754	23.3867	1.3447
44	13:31:02	0.1761	0.1754	23.3867	1.3447
45	14:01:04	0.1761	0.1754	23.3867	1.3447
46	14:31:06	0.1761	0.1754	23.3867	1.3447
47	15:01:08	0.1761	0.1754	23.3867	1.3447
48	15:31:11	0.1761	0.1754	23.3867	1.3447
49	16:01:13	0.1761	0.1754	23.3867	1.3447
50	16:31:15	0.1761	0.1754	23.3867	1.3447
51	17:01:17	0.1761	0.1754	23.3867	1.3447
52	17:31:20	0.1761	0.1754	23.3867	1.3447
53	18:01:22	0.1761	0.1754	23.3867	1.3447
54	18:31:24	0.1762	0.1755	23.4000	1.3443
55	19:01:27	0.1762	0.1755	23.4000	1.3443
56	19:10:22	0.1762	0.1755	23.4000	1.3443

Consolidation Test Results (Sequence 11) Load 1.000 tsf						Consolidation Test Results (Sequence 11) Load 1.000 tsf																																																																																																																																																																																												
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			Consolidation Graph (Square-root Time)			Consolidation Graph (Logarithmic Time)																																																																																																																																																																																									
Location:			Test Date: 16 June 11																																																																																																																																																																																															
Job Number: 11-21			Test Number:																																																																																																																																																																																															
Sample Number:		Soil Description:		Remarks:		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Index</th> <th>Time</th> <th>Displacement (in)</th> <th>Settlement (in)</th> <th>Axial Strain (%)</th> <th>Void Ratio</th> </tr> </thead> <tbody> <tr><td>0</td><td>00:00:00</td><td>0.1762</td><td>0.1755</td><td>23.4000</td><td>1.3443</td></tr> <tr><td>1</td><td>00:00:01</td><td>0.1770</td><td>0.1763</td><td>23.5067</td><td>1.3411</td></tr> <tr><td>2</td><td>00:00:02</td><td>0.1772</td><td>0.1765</td><td>23.5333</td><td>1.3403</td></tr> <tr><td>3</td><td>00:00:03</td><td>0.1774</td><td>0.1767</td><td>23.5600</td><td>1.3394</td></tr> <tr><td>4</td><td>00:00:04</td><td>0.1776</td><td>0.1769</td><td>23.5867</td><td>1.3386</td></tr> <tr><td>5</td><td>00:00:05</td><td>0.1777</td><td>0.1770</td><td>23.6000</td><td>1.3382</td></tr> <tr><td>6</td><td>00:00:06</td><td>0.1777</td><td>0.1770</td><td>23.6000</td><td>1.3382</td></tr> <tr><td>7</td><td>00:00:12</td><td>0.1781</td><td>0.1774</td><td>23.6533</td><td>1.3366</td></tr> <tr><td>8</td><td>00:00:15</td><td>0.1783</td><td>0.1776</td><td>23.6800</td><td>1.3358</td></tr> <tr><td>9</td><td>00:00:30</td><td>0.1788</td><td>0.1781</td><td>23.7467</td><td>1.3337</td></tr> <tr><td>10</td><td>00:01:01</td><td>0.1797</td><td>0.1790</td><td>23.8667</td><td>1.3301</td></tr> <tr><td>11</td><td>00:02:01</td><td>0.1809</td><td>0.1802</td><td>24.0267</td><td>1.3252</td></tr> <tr><td>12</td><td>00:04:01</td><td>0.1826</td><td>0.1819</td><td>24.2533</td><td>1.3182</td></tr> <tr><td>13</td><td>00:05:01</td><td>0.1833</td><td>0.1826</td><td>24.3467</td><td>1.3154</td></tr> <tr><td>14</td><td>00:08:01</td><td>0.1849</td><td>0.1842</td><td>24.5600</td><td>1.3088</td></tr> <tr><td>15</td><td>00:10:01</td><td>0.1857</td><td>0.1850</td><td>24.6667</td><td>1.3056</td></tr> <tr><td>16</td><td>00:15:02</td><td>0.1873</td><td>0.1866</td><td>24.8800</td><td>1.2990</td></tr> <tr><td>17</td><td>00:20:02</td><td>0.1882</td><td>0.1875</td><td>25.0000</td><td>1.2954</td></tr> <tr><td>18</td><td>00:40:03</td><td>0.1906</td><td>0.1899</td><td>25.3200</td><td>1.2856</td></tr> <tr><td>19</td><td>01:00:05</td><td>0.1916</td><td>0.1909</td><td>25.4533</td><td>1.2815</td></tr> <tr><td>20</td><td>01:30:07</td><td>0.1925</td><td>0.1918</td><td>25.5733</td><td>1.2778</td></tr> <tr><td>21</td><td>02:00:10</td><td>0.1930</td><td>0.1923</td><td>25.6400</td><td>1.2758</td></tr> <tr><td>22</td><td>02:30:12</td><td>0.1935</td><td>0.1928</td><td>25.7067</td><td>1.2737</td></tr> <tr><td>23</td><td>03:00:14</td><td>0.1937</td><td>0.1930</td><td>25.7333</td><td>1.2729</td></tr> <tr><td>24</td><td>03:30:16</td><td>0.1944</td><td>0.1937</td><td>25.8267</td><td>1.2701</td></tr> <tr><td>25</td><td>04:00:19</td><td>0.1946</td><td>0.1939</td><td>25.8533</td><td>1.2693</td></tr> <tr><td>26</td><td>04:30:21</td><td>0.1948</td><td>0.1941</td><td>25.8800</td><td>1.2684</td></tr> <tr><td>27</td><td>05:00:20</td><td>0.1951</td><td>0.1944</td><td>25.9200</td><td>1.2672</td></tr> <tr><td>28</td><td>05:30:20</td><td>0.1953</td><td>0.1946</td><td>25.9467</td><td>1.2664</td></tr> <tr><td>29</td><td>05:55:22</td><td>0.1953</td><td>0.1946</td><td>25.9467</td><td>1.2664</td></tr> </tbody> </table>			Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio	0	00:00:00	0.1762	0.1755	23.4000	1.3443	1	00:00:01	0.1770	0.1763	23.5067	1.3411	2	00:00:02	0.1772	0.1765	23.5333	1.3403	3	00:00:03	0.1774	0.1767	23.5600	1.3394	4	00:00:04	0.1776	0.1769	23.5867	1.3386	5	00:00:05	0.1777	0.1770	23.6000	1.3382	6	00:00:06	0.1777	0.1770	23.6000	1.3382	7	00:00:12	0.1781	0.1774	23.6533	1.3366	8	00:00:15	0.1783	0.1776	23.6800	1.3358	9	00:00:30	0.1788	0.1781	23.7467	1.3337	10	00:01:01	0.1797	0.1790	23.8667	1.3301	11	00:02:01	0.1809	0.1802	24.0267	1.3252	12	00:04:01	0.1826	0.1819	24.2533	1.3182	13	00:05:01	0.1833	0.1826	24.3467	1.3154	14	00:08:01	0.1849	0.1842	24.5600	1.3088	15	00:10:01	0.1857	0.1850	24.6667	1.3056	16	00:15:02	0.1873	0.1866	24.8800	1.2990	17	00:20:02	0.1882	0.1875	25.0000	1.2954	18	00:40:03	0.1906	0.1899	25.3200	1.2856	19	01:00:05	0.1916	0.1909	25.4533	1.2815	20	01:30:07	0.1925	0.1918	25.5733	1.2778	21	02:00:10	0.1930	0.1923	25.6400	1.2758	22	02:30:12	0.1935	0.1928	25.7067	1.2737	23	03:00:14	0.1937	0.1930	25.7333	1.2729	24	03:30:16	0.1944	0.1937	25.8267	1.2701	25	04:00:19	0.1946	0.1939	25.8533	1.2693	26	04:30:21	0.1948	0.1941	25.8800	1.2684	27	05:00:20	0.1951	0.1944	25.9200	1.2672	28	05:30:20	0.1953	0.1946	25.9467	1.2664	29	05:55:22	0.1953	0.1946	25.9467	1.2664
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio																																																																																																																																																																																													
0	00:00:00	0.1762	0.1755	23.4000	1.3443																																																																																																																																																																																													
1	00:00:01	0.1770	0.1763	23.5067	1.3411																																																																																																																																																																																													
2	00:00:02	0.1772	0.1765	23.5333	1.3403																																																																																																																																																																																													
3	00:00:03	0.1774	0.1767	23.5600	1.3394																																																																																																																																																																																													
4	00:00:04	0.1776	0.1769	23.5867	1.3386																																																																																																																																																																																													
5	00:00:05	0.1777	0.1770	23.6000	1.3382																																																																																																																																																																																													
6	00:00:06	0.1777	0.1770	23.6000	1.3382																																																																																																																																																																																													
7	00:00:12	0.1781	0.1774	23.6533	1.3366																																																																																																																																																																																													
8	00:00:15	0.1783	0.1776	23.6800	1.3358																																																																																																																																																																																													
9	00:00:30	0.1788	0.1781	23.7467	1.3337																																																																																																																																																																																													
10	00:01:01	0.1797	0.1790	23.8667	1.3301																																																																																																																																																																																													
11	00:02:01	0.1809	0.1802	24.0267	1.3252																																																																																																																																																																																													
12	00:04:01	0.1826	0.1819	24.2533	1.3182																																																																																																																																																																																													
13	00:05:01	0.1833	0.1826	24.3467	1.3154																																																																																																																																																																																													
14	00:08:01	0.1849	0.1842	24.5600	1.3088																																																																																																																																																																																													
15	00:10:01	0.1857	0.1850	24.6667	1.3056																																																																																																																																																																																													
16	00:15:02	0.1873	0.1866	24.8800	1.2990																																																																																																																																																																																													
17	00:20:02	0.1882	0.1875	25.0000	1.2954																																																																																																																																																																																													
18	00:40:03	0.1906	0.1899	25.3200	1.2856																																																																																																																																																																																													
19	01:00:05	0.1916	0.1909	25.4533	1.2815																																																																																																																																																																																													
20	01:30:07	0.1925	0.1918	25.5733	1.2778																																																																																																																																																																																													
21	02:00:10	0.1930	0.1923	25.6400	1.2758																																																																																																																																																																																													
22	02:30:12	0.1935	0.1928	25.7067	1.2737																																																																																																																																																																																													
23	03:00:14	0.1937	0.1930	25.7333	1.2729																																																																																																																																																																																													
24	03:30:16	0.1944	0.1937	25.8267	1.2701																																																																																																																																																																																													
25	04:00:19	0.1946	0.1939	25.8533	1.2693																																																																																																																																																																																													
26	04:30:21	0.1948	0.1941	25.8800	1.2684																																																																																																																																																																																													
27	05:00:20	0.1951	0.1944	25.9200	1.2672																																																																																																																																																																																													
28	05:30:20	0.1953	0.1946	25.9467	1.2664																																																																																																																																																																																													
29	05:55:22	0.1953	0.1946	25.9467	1.2664																																																																																																																																																																																													
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19	01:00:05	0.1916	0.1909	25.4533	1.2815																																																																																																																																																																																													
20	01:30:07	0.1925	0.1918	25.5733	1.2778																																																																																																																																																																																													
21	02:00:10	0.1930	0.1923	25.6400	1.2758																																																																																																																																																																																													
22	02:30:12	0.1935	0.1928	25.7067	1.2737																																																																																																																																																																																													
23	03:00:14	0.1937	0.1930	25.7333	1.2729																																																																																																																																																																																													
24	03:30:16	0.1944	0.1937	25.8267	1.2701																																																																																																																																																																																													
25	04:00:19	0.1946	0.1939	25.8533	1.2693																																																																																																																																																																																													
26	04:30:21	0.1948	0.1941	25.8800	1.2684																																																																																																																																																																																													
27	05:00:20	0.1951	0.1944	25.9200	1.2672																																																																																																																																																																																													
28	05:30:20	0.1953	0.1946	25.9467	1.2664																																																																																																																																																																																													
29	05:55:22	0.1953	0.1946	25.9467	1.2664																																																																																																																																																																																													
Sample Type: Undisturbed		Soil Description: Clay with organic matter (CH)		Remarks:		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Index</th> <th>Time</th> <th>Displacement (in)</th> <th>Settlement (in)</th> <th>Axial Strain (%)</th> <th>Void Ratio</th> </tr> </thead> <tbody> <tr><td>0</td><td>00:00:00</td><td>0.1762</td><td>0.1755</td><td>23.4000</td><td>1.3443</td></tr> <tr><td>1</td><td>00:00:01</td><td>0.1770</td><td>0.1763</td><td>23.5067</td><td>1.3411</td></tr> <tr><td>2</td><td>00:00:02</td><td>0.1772</td><td>0.1765</td><td>23.5333</td><td>1.3403</td></tr> <tr><td>3</td><td>00:00:03</td><td>0.1774</td><td>0.1767</td><td>23.5600</td><td>1.3394</td></tr> <tr><td>4</td><td>00:00:04</td><td>0.1776</td><td>0.1769</td><td>23.5867</td><td>1.3386</td></tr> <tr><td>5</td><td>00:00:05</td><td>0.1777</td><td>0.1770</td><td>23.6000</td><td>1.3382</td></tr> <tr><td>6</td><td>00:00:06</td><td>0.1777</td><td>0.1770</td><td>23.6000</td><td>1.3382</td></tr> <tr><td>7</td><td>00:00:12</td><td>0.1781</td><td>0.1774</td><td>23.6533</td><td>1.3366</td></tr> <tr><td>8</td><td>00:00:15</td><td>0.1783</td><td>0.1776</td><td>23.6800</td><td>1.3358</td></tr> <tr><td>9</td><td>00:00:30</td><td>0.1788</td><td>0.1781</td><td>23.7467</td><td>1.3337</td></tr> <tr><td>10</td><td>00:01:01</td><td>0.1797</td><td>0.1790</td><td>23.8667</td><td>1.3301</td></tr> <tr><td>11</td><td>00:02:01</td><td>0.1809</td><td>0.1802</td><td>24.0267</td><td>1.3252</td></tr> <tr><td>12</td><td>00:04:01</td><td>0.1826</td><td>0.1819</td><td>24.2533</td><td>1.3182</td></tr> <tr><td>13</td><td>00:05:01</td><td>0.1833</td><td>0.1826</td><td>24.3467</td><td>1.3154</td></tr> <tr><td>14</td><td>00:08:01</td><td>0.1849</td><td>0.1842</td><td>24.5600</td><td>1.3088</td></tr> <tr><td>15</td><td>00:10:01</td><td>0.1857</td><td>0.1850</td><td>24.6667</td><td>1.3056</td></tr> <tr><td>16</td><td>00:15:02</td><td>0.1873</td><td>0.1866</td><td>24.8800</td><td>1.2990</td></tr> <tr><td>17</td><td>00:20:02</td><td>0.1882</td><td>0.1875</td><td>25.0000</td><td>1.2954</td></tr> <tr><td>18</td><td>00:40:03</td><td>0.1906</td><td>0.1899</td><td>25.3200</td><td>1.2856</td></tr> <tr><td>19</td><td>01:00:05</td><td>0.1916</td><td>0.1909</td><td>25.4533</td><td>1.2815</td></tr> <tr><td>20</td><td>01:30:07</td><td>0.1925</td><td>0.1918</td><td>25.5733</td><td>1.2778</td></tr> <tr><td>21</td><td>02:00:10</td><td>0.1930</td><td>0.1923</td><td>25.6400</td><td>1.2758</td></tr> <tr><td>22</td><td>02:30:12</td><td>0.1935</td><td>0.1928</td><td>25.7067</td><td>1.2737</td></tr> <tr><td>23</td><td>03:00:14</td><td>0.1937</td><td>0.1930</td><td>25.7333</td><td>1.2729</td></tr> <tr><td>24</td><td>03:30:16</td><td>0.1944</td><td>0.1937</td><td>25.8267</td><td>1.2701</td></tr> <tr><td>25</td><td>04:00:19</td><td>0.1946</td><td>0.1939</td><td>25.8533</td><td>1.2693</td></tr> <tr><td>26</td><td>04:30:21</td><td>0.1948</td><td>0.1941</td><td>25.8800</td><td>1.2684</td></tr> <tr><td>27</td><td>05:00:20</td><td>0.1951</td><td>0.1944</td><td>25.9200</td><td>1.2672</td></tr> <tr><td>28</td><td>05:30:20</td><td>0.1953</td><td>0.1946</td><td>25.9467</td><td>1.2664</td></tr> <tr><td>29</td><td>05:55:22</td><td>0.1953</td><td>0.1946</td><td>25.9467</td><td>1.2664</td></tr> </tbody> </table>			Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio	0	00:00:00	0.1762	0.1755	23.4000	1.3443	1	00:00:01	0.1770	0.1763	23.5067	1.3411	2	00:00:02	0.1772	0.1765	23.5333	1.3403	3	00:00:03	0.1774	0.1767	23.5600	1.3394	4	00:00:04	0.1776	0.1769	23.5867	1.3386	5	00:00:05	0.1777	0.1770	23.6000	1.3382	6	00:00:06	0.1777	0.1770	23.6000	1.3382	7	00:00:12	0.1781	0.1774	23.6533	1.3366	8	00:00:15	0.1783	0.1776	23.6800	1.3358	9	00:00:30	0.1788	0.1781	23.7467	1.3337	10	00:01:01	0.1797	0.1790	23.8667	1.3301	11	00:02:01	0.1809	0.1802	24.0267	1.3252	12	00:04:01	0.1826	0.1819	24.2533	1.3182	13	00:05:01	0.1833	0.1826	24.3467	1.3154	14	00:08:01	0.1849	0.1842	24.5600	1.3088	15	00:10:01	0.1857	0.1850	24.6667	1.3056	16	00:15:02	0.1873	0.1866	24.8800	1.2990	17	00:20:02	0.1882	0.1875	25.0000	1.2954	18	00:40:03	0.1906	0.1899	25.3200	1.2856	19	01:00:05	0.1916	0.1909	25.4533	1.2815	20	01:30:07	0.1925	0.1918	25.5733	1.2778	21	02:00:10	0.1930	0.1923	25.6400	1.2758	22	02:30:12	0.1935	0.1928	25.7067	1.2737	23	03:00:14	0.1937	0.1930	25.7333	1.2729	24	03:30:16	0.1944	0.1937	25.8267	1.2701	25	04:00:19	0.1946	0.1939	25.8533	1.2693	26	04:30:21	0.1948	0.1941	25.8800	1.2684	27	05:00:20	0.1951	0.1944	25.9200	1.2672	28	05:30:20	0.1953	0.1946	25.9467	1.2664	29	05:55:22	0.1953	0.1946	25.9467	1.2664
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14	00:08:01	0.1849	0.1842	24.5600	1.3088																																																																																																																																																																																													
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Tested By:		Soil Description: Clay with organic matter (CH)		Remarks:		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Index</th> <th>Time</th> <th>Displacement (in)</th> <th>Settlement (in)</th> <th>Axial Strain (%)</th> <th>Void Ratio</th> </tr> </thead> <tbody> <tr><td>0</td><td>00:00:00</td><td>0.1762</td><td>0.1755</td><td>23.4000</td><td>1.3443</td></tr> <tr><td>1</td><td>00:00:01</td><td>0.1770</td><td>0.1763</td><td>23.5067</td><td>1.3411</td></tr> <tr><td>2</td><td>00:00:02</td><td>0.1772</td><td>0.1765</td><td>23.5333</td><td>1.3403</td></tr> <tr><td>3</td><td>00:00:03</td><td>0.1774</td><td>0.1767</td><td>23.5600</td><td>1.3394</td></tr> <tr><td>4</td><td>00:00:04</td><td>0.1776</td><td>0.1769</td><td>23.5867</td><td>1.3386</td></tr> <tr><td>5</td><td>00:00:05</td><td>0.1777</td><td>0.1770</td><td>23.6000</td><td>1.3382</td></tr> <tr><td>6</td><td>00:00:06</td><td>0.1777</td><td>0.1770</td><td>23.6000</td><td>1.3382</td></tr> <tr><td>7</td><td>00:00:12</td><td>0.1781</td><td>0.1774</td><td>23.6533</td><td>1.3366</td></tr> <tr><td>8</td><td>00:00:15</td><td>0.1783</td><td>0.1776</td><td>23.6800</td><td>1.3358</td></tr> <tr><td>9</td><td>00:00:30</td><td>0.1788</td><td>0.1781</td><td>23.7467</td><td>1.3337</td></tr> <tr><td>10</td><td>00:01:01</td><td>0.1797</td><td>0.1790</td><td>23.8667</td><td>1.3301</td></tr> <tr><td>11</td><td>00:02:01</td><td>0.1809</td><td>0.1802</td><td>24.0267</td><td>1.3252</td></tr> <tr><td>12</td><td>00:04:01</td><td>0.1826</td><td>0.1819</td><td>24.2533</td><td>1.3182</td></tr> <tr><td>13</td><td>00:05:01</td><td>0.1833</td><td>0.1826</td><td>24.3467</td><td>1.3154</td></tr> <tr><td>14</td><td>00:08:01</td><td>0.1849</td><td>0.1842</td><td>24.5600</td><td>1.3088</td></tr> <tr><td>15</td><td>00:10:01</td><td>0.1857</td><td>0.1850</td><td>24.6667</td><td>1.3056</td></tr> <tr><td>16</td><td>00:15:02</td><td>0.1873</td><td>0.1866</td><td>24.8800</td><td>1.2990</td></tr> <tr><td>17</td><td>0</td></tr></tbody></table>			Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio	0	00:00:00	0.1762	0.1755	23.4000	1.3443	1	00:00:01	0.1770	0.1763	23.5067	1.3411	2	00:00:02	0.1772	0.1765	23.5333	1.3403	3	00:00:03	0.1774	0.1767	23.5600	1.3394	4	00:00:04	0.1776	0.1769	23.5867	1.3386	5	00:00:05	0.1777	0.1770	23.6000	1.3382	6	00:00:06	0.1777	0.1770	23.6000	1.3382	7	00:00:12	0.1781	0.1774	23.6533	1.3366	8	00:00:15	0.1783	0.1776	23.6800	1.3358	9	00:00:30	0.1788	0.1781	23.7467	1.3337	10	00:01:01	0.1797	0.1790	23.8667	1.3301	11	00:02:01	0.1809	0.1802	24.0267	1.3252	12	00:04:01	0.1826	0.1819	24.2533	1.3182	13	00:05:01	0.1833	0.1826	24.3467	1.3154	14	00:08:01	0.1849	0.1842	24.5600	1.3088	15	00:10:01	0.1857	0.1850	24.6667	1.3056	16	00:15:02	0.1873	0.1866	24.8800	1.2990	17	0																																																																												
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Consolidation Test Results
(Sequence 12) Load 2,000 tsf

Consolidation Test Results
(Sequence 12) Load 2,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

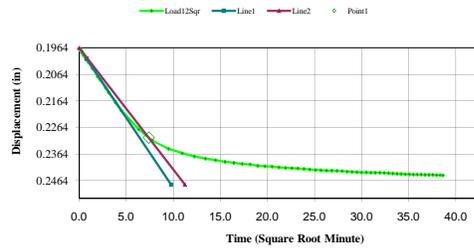
Project Number: 16715-020-00
Test Date: 16 June 11
Test Number:

Sample Number:
Boring Number: 17
Depth: 9 - 11 feet
Sample Type: Undisturbed

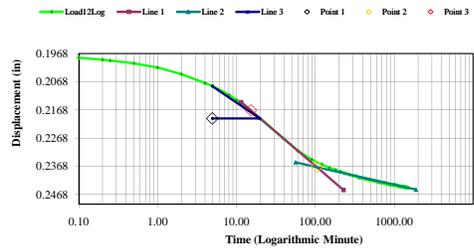
Soil Description:
Clay with organic matter (CH)
Remarks:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
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2	00:00:02	0.1975	0.1968	26.2400	1.2574
3	00:00:03	0.1977	0.1970	26.2667	1.2566
4	00:00:04	0.1978	0.1971	26.2800	1.2562
5	00:00:05	0.1979	0.1972	26.2933	1.2558
6	00:00:06	0.1983	0.1976	26.3467	1.2542
7	00:00:12	0.1990	0.1983	26.4400	1.2513
8	00:00:15	0.1993	0.1986	26.4800	1.2501
9	00:00:30	0.2003	0.1996	26.6133	1.2460
10	00:01:00	0.2018	0.2011	26.8133	1.2399
11	00:02:00	0.2041	0.2034	27.1200	1.2305
12	00:04:00	0.2073	0.2066	27.5467	1.2174
13	00:05:00	0.2084	0.2077	27.6933	1.2129
14	00:08:01	0.2115	0.2108	28.1067	1.2003
15	00:10:01	0.2133	0.2126	28.3467	1.1929
16	00:15:01	0.2170	0.2163	28.8400	1.1778
17	00:20:02	0.2200	0.2193	29.2400	1.1656
18	00:40:03	0.2271	0.2264	30.1867	1.1366
19	01:00:03	0.2313	0.2306	30.7467	1.1195
20	01:30:02	0.2344	0.2337	31.1600	1.1068
21	02:00:01	0.2361	0.2354	31.3867	1.0999
22	02:30:01	0.2373	0.2366	31.5467	1.0950
23	03:00:02	0.2381	0.2374	31.6533	1.0917
24	03:30:02	0.2387	0.2380	31.7333	1.0893
25	04:00:01	0.2393	0.2386	31.8133	1.0868
26	04:30:00	0.2397	0.2390	31.8667	1.0852
27	05:00:00	0.2401	0.2394	31.9200	1.0836
28	05:30:00	0.2403	0.2396	31.9467	1.0828
29	06:00:00	0.2408	0.2401	32.0133	1.0807
30	06:30:00	0.2410	0.2403	32.0400	1.0799
31	06:59:59	0.2411	0.2404	32.0533	1.0795
32	07:29:59	0.2414	0.2407	32.0933	1.0783
33	07:59:59	0.2416	0.2409	32.1200	1.0775
34	08:29:59	0.2417	0.2410	32.1333	1.0771
35	08:59:58	0.2418	0.2411	32.1467	1.0766
36	09:29:58	0.2420	0.2413	32.1733	1.0758

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

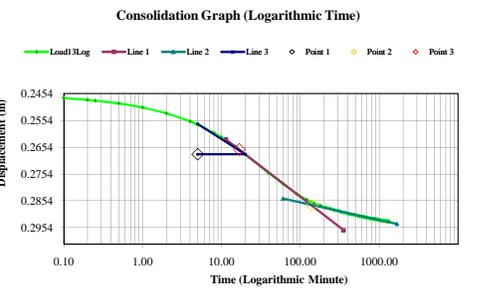
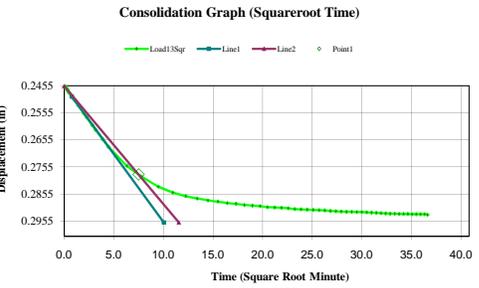


37	09:59:57	0.2422	0.2415	32.2000	1.0750
38	10:29:57	0.2424	0.2417	32.2267	1.0742
39	10:59:57	0.2425	0.2418	32.2400	1.0738
40	11:29:56	0.2426	0.2419	32.2533	1.0734
41	11:59:56	0.2426	0.2419	32.2533	1.0734
42	12:29:56	0.2427	0.2420	32.2667	1.0730
43	12:59:56	0.2428	0.2421	32.2800	1.0726
44	13:29:55	0.2430	0.2423	32.3067	1.0717
45	13:59:55	0.2431	0.2424	32.3200	1.0713
46	14:29:55	0.2432	0.2425	32.3333	1.0709
47	14:59:54	0.2433	0.2426	32.3467	1.0705
48	15:29:54	0.2433	0.2426	32.3467	1.0705
49	15:59:54	0.2434	0.2427	32.3600	1.0701
50	16:29:54	0.2434	0.2427	32.3600	1.0701
51	16:59:53	0.2434	0.2427	32.3600	1.0701
52	17:29:53	0.2435	0.2428	32.3733	1.0697
53	17:59:53	0.2436	0.2429	32.3867	1.0693
54	18:29:52	0.2437	0.2430	32.4000	1.0689
55	18:59:52	0.2438	0.2431	32.4133	1.0685
56	19:29:52	0.2439	0.2432	32.4267	1.0681
57	19:59:52	0.2440	0.2433	32.4400	1.0677
58	20:29:51	0.2440	0.2433	32.4400	1.0677
59	20:59:51	0.2441	0.2434	32.4533	1.0673
60	21:29:51	0.2441	0.2434	32.4533	1.0673
61	21:59:51	0.2441	0.2434	32.4533	1.0673
62	22:29:50	0.2442	0.2435	32.4667	1.0669
63	22:59:50	0.2442	0.2435	32.4667	1.0669
64	23:29:49	0.2442	0.2435	32.4667	1.0669
65	23:59:50	0.2443	0.2436	32.4800	1.0664
66	24:29:49	0.2443	0.2436	32.4800	1.0664
67	24:52:02	0.2444	0.2437	32.4933	1.0660

Consolidation Test Results (Sequence 13) Load 4,000 tsf	Consolidation Test Results (Sequence 13) Load 4,000 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 16 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 17 Clay with organic matter (CH)
Depth: 9 - 11 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2444	0.2437	32.4933	1.0660
1	00:00:01	0.2458	0.2451	32.6800	1.0603
2	00:00:02	0.2464	0.2457	32.7600	1.0579
3	00:00:03	0.2464	0.2457	32.7600	1.0579
4	00:00:04	0.2467	0.2460	32.8000	1.0566
5	00:00:05	0.2469	0.2462	32.8267	1.0558
6	00:00:06	0.2471	0.2464	32.8533	1.0550
7	00:00:12	0.2478	0.2471	32.9467	1.0522
8	00:00:15	0.2481	0.2474	32.9867	1.0509
9	00:00:30	0.2491	0.2484	33.1200	1.0469
10	00:01:00	0.2506	0.2499	33.3200	1.0407
11	00:02:00	0.2528	0.2521	33.6133	1.0318
12	00:04:00	0.2558	0.2551	34.0133	1.0195
13	00:05:00	0.2570	0.2563	34.1733	1.0146
14	00:08:00	0.2601	0.2594	34.5867	1.0020
15	00:10:00	0.2618	0.2611	34.8133	0.9950
16	00:15:00	0.2652	0.2645	35.2667	0.9812
17	00:20:00	0.2681	0.2674	35.6533	0.9693
18	00:40:00	0.2751	0.2744	36.5867	0.9408
19	00:59:59	0.2790	0.2783	37.1067	0.9248
20	01:30:00	0.2828	0.2821	37.6133	0.9093
21	01:59:59	0.2850	0.2843	37.9067	0.9004
22	02:29:59	0.2863	0.2856	38.0800	0.8951
23	02:59:58	0.2872	0.2865	38.2000	0.8914
24	03:29:58	0.2879	0.2872	38.2933	0.8885
25	03:59:58	0.2883	0.2876	38.3467	0.8869
26	04:29:58	0.2889	0.2882	38.4267	0.8844
27	04:59:57	0.2891	0.2884	38.4533	0.8836
28	05:29:57	0.2896	0.2889	38.5200	0.8816
29	05:59:57	0.2898	0.2891	38.5467	0.8808
30	06:29:57	0.2900	0.2893	38.5733	0.8800
31	06:59:56	0.2904	0.2897	38.6267	0.8783
32	07:29:56	0.2905	0.2898	38.6400	0.8779
33	07:59:55	0.2906	0.2899	38.6533	0.8775
34	08:29:56	0.2908	0.2901	38.6800	0.8767
35	08:59:55	0.2911	0.2904	38.7200	0.8755
36	09:29:54	0.2912	0.2905	38.7333	0.8751



37	09:59:55	0.2913	0.2906	38.7467	0.8747
38	10:29:54	0.2914	0.2907	38.7600	0.8742
39	10:59:54	0.2915	0.2908	38.7733	0.8738
40	11:29:53	0.2916	0.2909	38.7867	0.8734
41	11:59:53	0.2918	0.2911	38.8133	0.8726
42	12:29:53	0.2919	0.2912	38.8267	0.8722
43	12:59:52	0.2920	0.2913	38.8400	0.8718
44	13:29:52	0.2921	0.2914	38.8533	0.8714
45	13:59:52	0.2921	0.2914	38.8533	0.8714
46	14:29:52	0.2922	0.2915	38.8667	0.8710
47	14:59:51	0.2922	0.2915	38.8667	0.8710
48	15:29:51	0.2923	0.2916	38.8800	0.8706
49	15:59:51	0.2924	0.2917	38.8933	0.8702
50	16:29:51	0.2925	0.2918	38.9067	0.8698
51	16:59:50	0.2926	0.2919	38.9200	0.8693
52	17:29:50	0.2927	0.2920	38.9333	0.8689
53	17:59:50	0.2928	0.2921	38.9467	0.8685
54	18:29:49	0.2928	0.2921	38.9467	0.8685
55	18:59:49	0.2929	0.2922	38.9600	0.8681
56	19:29:49	0.2929	0.2922	38.9600	0.8681
57	19:59:49	0.2929	0.2922	38.9600	0.8681
58	20:29:48	0.2930	0.2923	38.9733	0.8677
59	20:59:48	0.2930	0.2923	38.9733	0.8677
60	21:29:48	0.2930	0.2923	38.9733	0.8677
61	21:59:47	0.2930	0.2923	38.9733	0.8677
62	22:20:47	0.2932	0.2925	39.0000	0.8669

Consolidation Test Results
(Sequence 14) Load 8,000 tsf

Consolidation Test Results
(Sequence 14) Load 8,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

Project Number: 16715-020-00

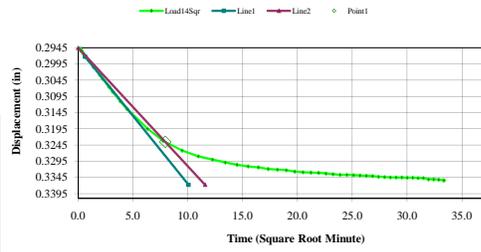
Test Date: 16 June 11
Test Number:

Sample Number: 17
Boring Number: 17
Depth: 9 - 11 feet
Sample Type: Undisturbed

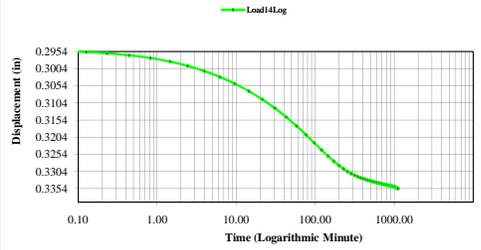
Soil Description:
Clay with organic matter (CH)
Remarks:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2932	0.2925	39.0000	0.8669
1	00:00:01	0.2947	0.2940	39.2000	0.8608
2	00:00:02	0.2952	0.2945	39.2667	0.8587
3	00:00:03	0.2951	0.2944	39.2533	0.8591
4	00:00:04	0.2953	0.2946	39.2800	0.8583
5	00:00:05	0.2954	0.2947	39.2933	0.8579
6	00:00:06	0.2955	0.2948	39.3067	0.8575
7	00:00:12	0.2962	0.2955	39.4000	0.8547
8	00:00:15	0.2964	0.2957	39.4267	0.8538
9	00:00:30	0.2974	0.2967	39.5600	0.8498
10	00:01:00	0.2986	0.2979	39.7200	0.8449
11	00:02:00	0.3005	0.2998	39.9733	0.8371
12	00:04:01	0.3030	0.3023	40.3067	0.8269
13	00:05:01	0.3041	0.3034	40.4533	0.8224
14	00:08:01	0.3066	0.3059	40.7867	0.8122
15	00:10:01	0.3081	0.3074	40.9867	0.8061
16	00:15:01	0.3111	0.3104	41.3867	0.7939
17	00:20:02	0.3134	0.3127	41.6933	0.7845
18	00:40:04	0.3195	0.3188	42.5067	0.7596
19	01:00:05	0.3232	0.3225	43.0000	0.7445
20	01:30:07	0.3262	0.3255	43.4000	0.7322
21	02:00:10	0.3280	0.3273	43.6400	0.7249
22	02:30:13	0.3290	0.3283	43.7733	0.7208
23	03:00:15	0.3299	0.3292	43.8933	0.7171
24	03:30:17	0.3306	0.3299	43.9867	0.7143
25	04:00:20	0.3311	0.3304	44.0533	0.7122
26	04:30:22	0.3314	0.3307	44.0933	0.7110
27	05:00:25	0.3319	0.3312	44.1600	0.7090
28	05:30:28	0.3321	0.3314	44.1867	0.7082
29	06:00:30	0.3323	0.3316	44.2133	0.7073
30	06:30:32	0.3327	0.3320	44.2667	0.7057
31	07:00:35	0.3329	0.3322	44.2933	0.7049
32	07:30:37	0.3330	0.3323	44.3067	0.7045
33	08:00:40	0.3331	0.3324	44.3200	0.7041
34	08:30:42	0.3333	0.3326	44.3467	0.7033
35	09:00:44	0.3335	0.3328	44.3733	0.7024
36	09:30:47	0.3337	0.3330	44.4000	0.7016

Consolidation Graph (Square-root Time)

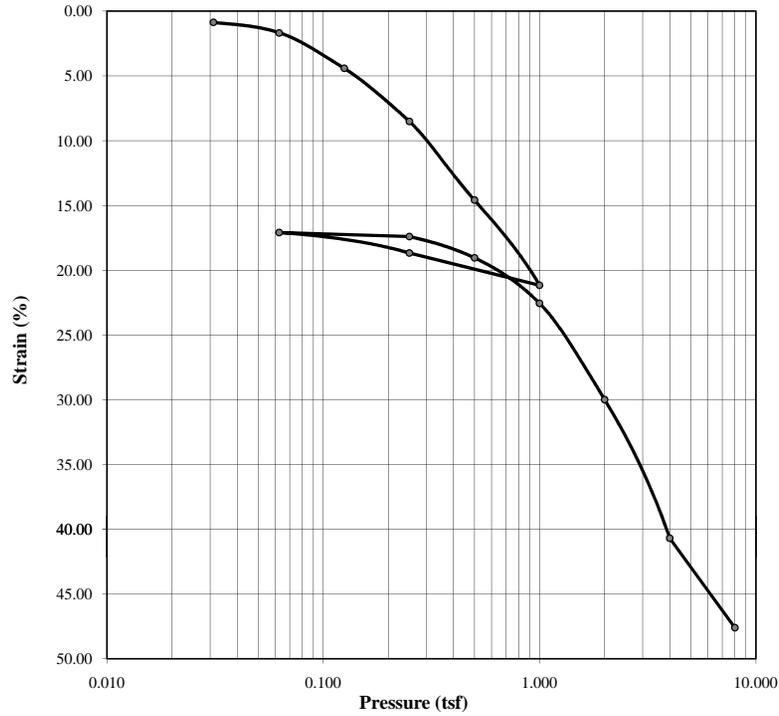


Consolidation Graph (Logarithmic Time)



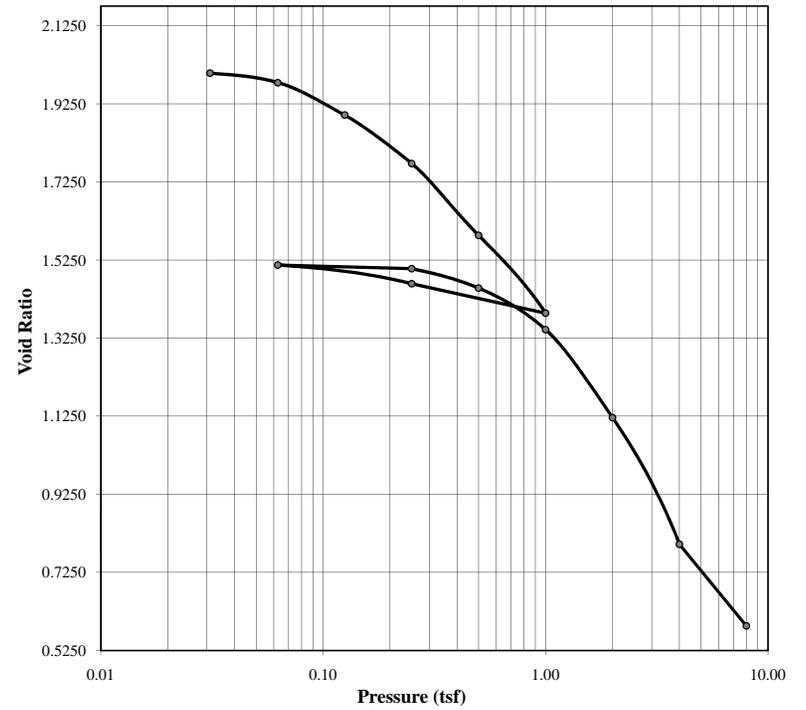
37	10:00:50	0.3337	0.3330	44.4000	0.7016
38	10:30:52	0.3338	0.3331	44.4133	0.7012
39	11:00:55	0.3339	0.3332	44.4267	0.7008
40	11:30:57	0.3340	0.3333	44.4400	0.7004
41	12:00:59	0.3341	0.3334	44.4533	0.7000
42	12:31:02	0.3343	0.3336	44.4800	0.6992
43	13:01:05	0.3344	0.3337	44.4933	0.6988
44	13:31:07	0.3345	0.3338	44.5067	0.6984
45	14:01:10	0.3345	0.3338	44.5067	0.6984
46	14:31:12	0.3345	0.3338	44.5067	0.6984
47	15:01:14	0.3346	0.3339	44.5200	0.6980
48	15:31:17	0.3346	0.3339	44.5200	0.6980
49	16:01:19	0.3347	0.3340	44.5333	0.6976
50	16:31:22	0.3347	0.3340	44.5333	0.6976
51	17:01:25	0.3351	0.3344	44.5867	0.6959
52	17:31:27	0.3351	0.3344	44.5867	0.6959
53	18:01:29	0.3352	0.3345	44.6000	0.6955
54	18:31:32	0.3354	0.3347	44.6267	0.6947
55	18:32:38	0.3354	0.3347	44.6267	0.6947

**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	328	Test Date:	17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138		
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190		
Saturation (%):	101.32	152.30				
Void Ratio:	2.0291	0.5872	Specific Gravity:	2.082	Measured	
Sample Description:	Organic clay with peat seams (OH)					
Sample Number:	16715-020-00	Depth:	37 - 39 feet		Remarks:	
Sample Number:		Boring Number:	18			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

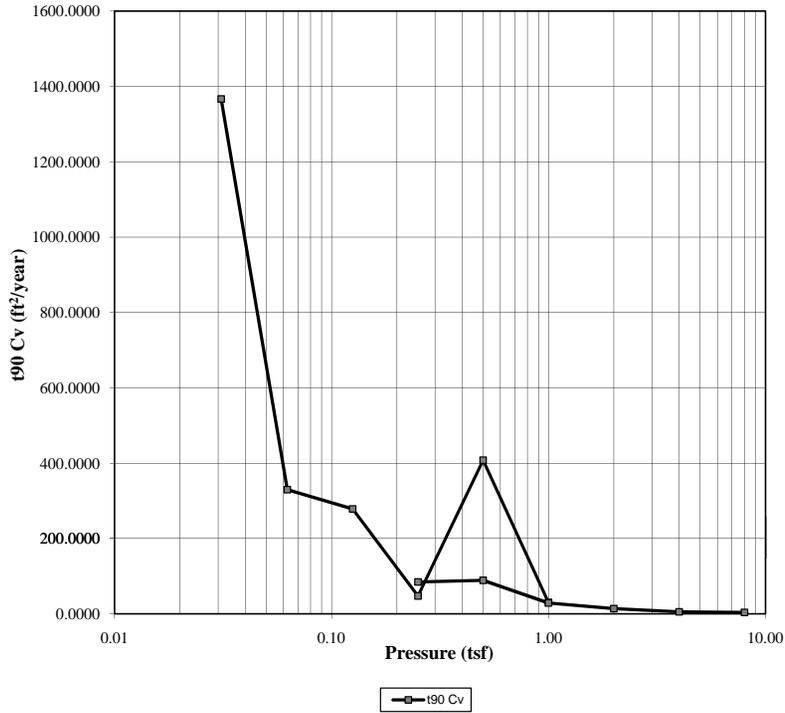
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	328	Test Date:	17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138		
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190		
Saturation (%):	101.32	152.30				
Void Ratio:	2.0291	0.5872	Specific Gravity:	2.082	Measured	
Soil Description:	Organic clay with peat seams (OH)					
Project Number:	16715-020-00	Depth:	37 - 39 feet		Remarks:	
Sample Number:		Boring Number:	18			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



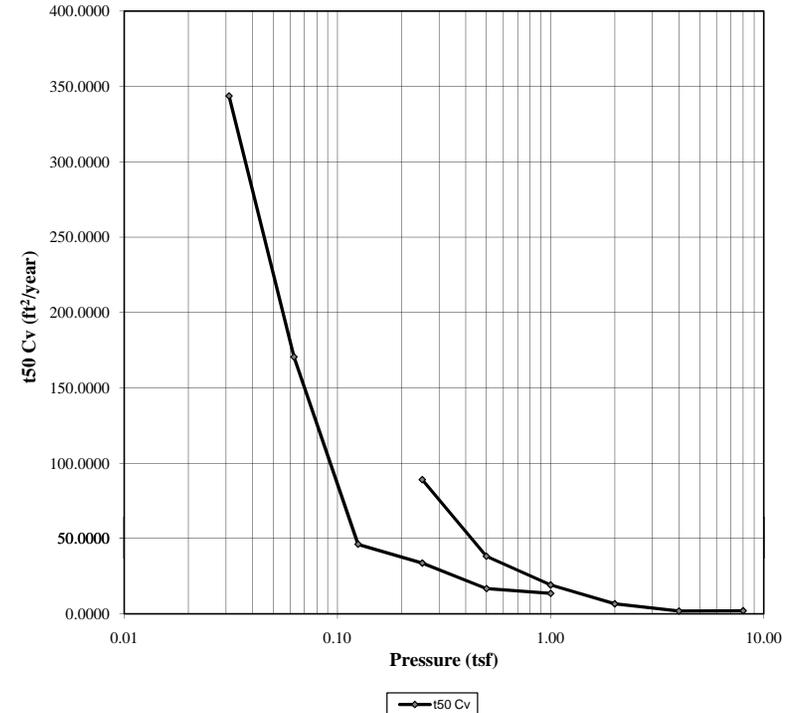
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	328	Test Date:	17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138		
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190		
Saturation (%):	101.32	152.30				
Void Ratio:	2.0291	0.5872	Specific Gravity:	2.082	Measured	
Soil Description:	Organic clay with peat seams (OH)					
Project Number:	16715-020-00	Depth:	37 - 39 feet	Remarks:		
Sample Number:		Boring Number:	18			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	328	Test Date:	17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138		
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190		
Saturation (%):	101.32	152.30				
Void Ratio:	2.0291	0.5872	Specific Gravity:	2.082	Measured	
Soil Description:	Organic clay with peat seams (OH)					
Project Number:	16715-020-00	Depth:	37 - 39 feet	Remarks:		
Sample Number:		Boring Number:	18			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

Project Number: 16715-020-00

Sample Number: 18
Boring Number: 37 - 39 feet
Depth:
Sample Type: Undisturbed

Sample Description:
 Organic clay with peat seams (OH)
Remarks:

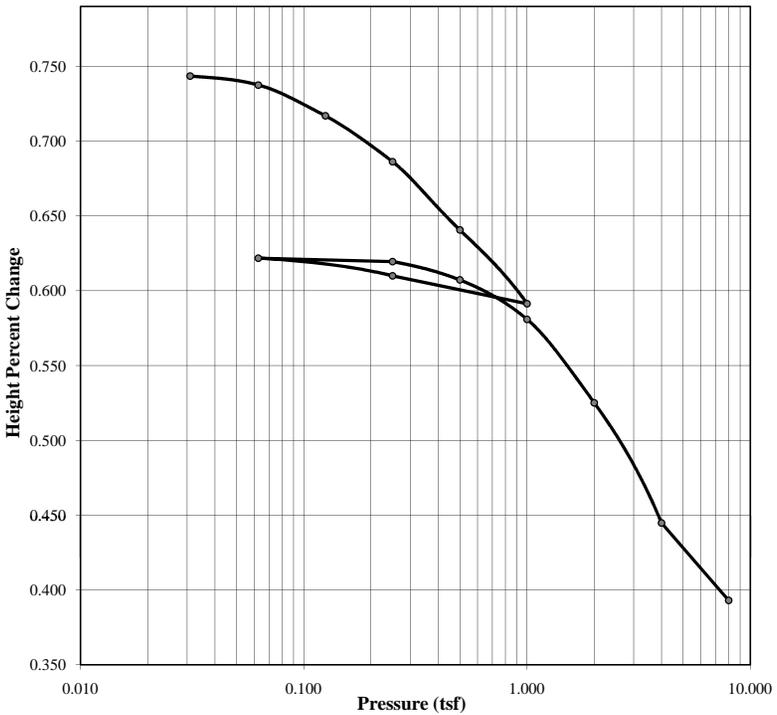
Test Number: 17 June 11
Test Date:

Index	Load Sequence (tsf)	Cumulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t150 Fitting Time (min)	q90 Cv (t12/year)	q150 Cv (t12/year)
0	0.000	0.0000	0.7500	0.5025	0.00	2.0299	0.000	0.000	0.000	0.000
1	0.031	0.0065	0.7435	0.4960	0.87	2.0037	0.313	0.289	1366.571	343.666
2	0.063	0.0126	0.7374	0.4899	1.68	1.9790	1.277	0.574	329.464	170.450
3	0.125	0.0331	0.7169	0.4694	4.41	1.8962	1.428	2.003	278.565	46.121
4	0.250	0.0638	0.6862	0.4387	8.51	1.7722	7.717	2.513	47.214	33.679
5	0.500	0.1094	0.6406	0.3931	14.99	1.5880	0.779	4.399	407.594	16.771
6	1.000	0.1587	0.5913	0.3438	21.16	1.3888	8.840	6.640	30.606	13.545
7	0.250	0.1400	0.6100	0.3625	18.67	1.4643	0.000	0.000	0.000	0.000
8	0.063	0.1282	0.6218	0.3743	17.09	1.5120	0.000	0.000	0.000	0.000
9	0.250	0.1305	0.6195	0.3720	17.40	1.5027	3.507	0.775	84.691	89.019
10	0.500	0.1428	0.6072	0.3597	19.04	1.4530	3.214	1.734	88.774	38.223
11	1.000	0.1691	0.5809	0.3334	22.55	1.3468	9.062	3.162	28.814	19.187
12	2.000	0.2249	0.5251	0.2776	29.99	1.1214	15.264	7.505	13.978	6.605
13	4.000	0.3052	0.4448	0.1973	40.69	0.9770	29.318	19.218	5.222	1.951
14	8.000	0.3570	0.3930	0.1455	47.60	0.5877	31.558	13.457	3.787	2.063

Predicted value indicated with *

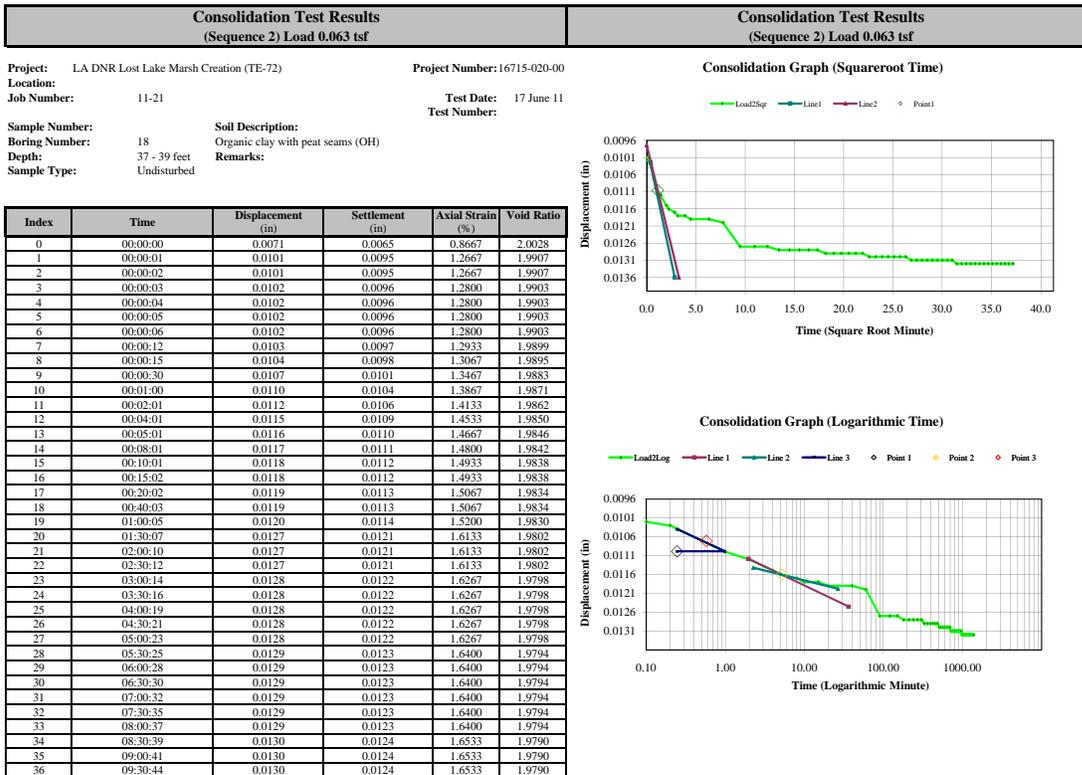


Consolidation Test Test Results

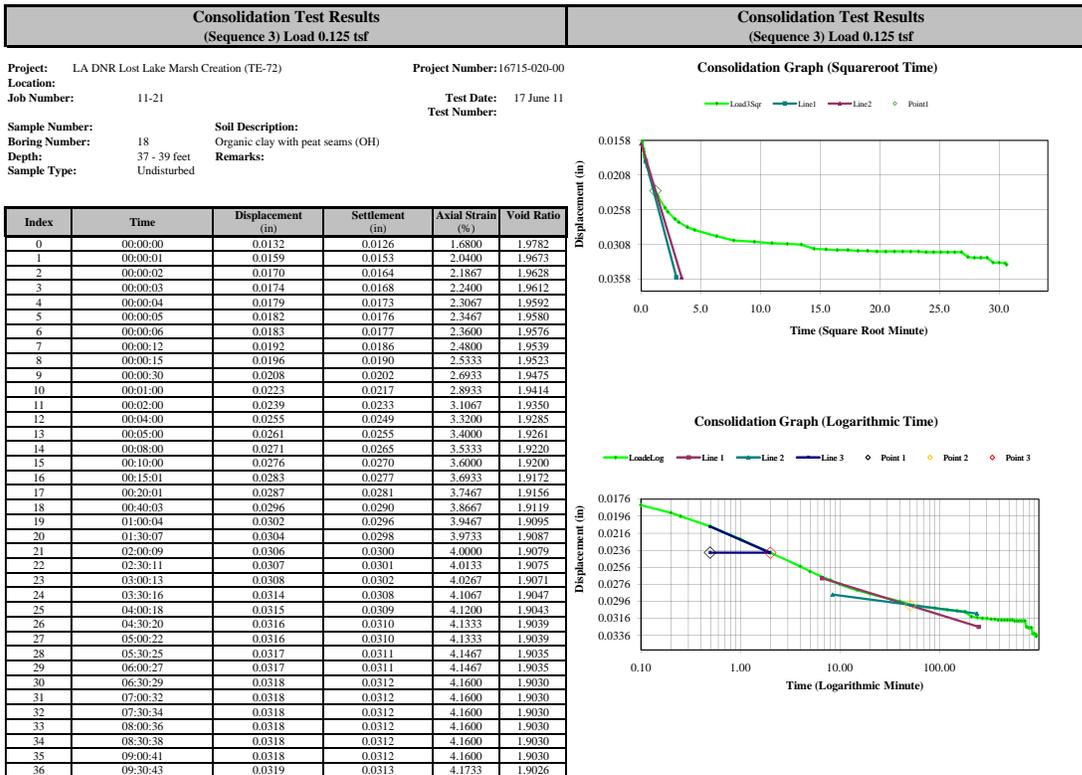


	Before	After	Liquid Limits:	328	Test Date:	17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138		
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190		
Saturation (%):	101.32	152.30				
Void Ratio:	2.0291	0.5872	Specific Gravity:	2.082	Measured	
Soil Description: Organic clay with peat seams (OH)						
Sample Number: 16715-020-00		Depth: 37 - 39 feet		Remarks:		
Sample Number: Boring Number: 18						
Project: LA DNR Lost Lake Marsh Creation (TE-72)						
Client: LA Office of Coastal Protection and Restoration						
Location:						

37	10:00:45	0.0071	0.0065	0.8667	2.0028
38	10:30:47	0.0071	0.0065	0.8667	2.0028
39	11:00:50	0.0071	0.0065	0.8667	2.0028
40	11:30:52	0.0071	0.0065	0.8667	2.0028
41	12:00:54	0.0071	0.0065	0.8667	2.0028
42	12:30:56	0.0071	0.0065	0.8667	2.0028
43	13:00:59	0.0071	0.0065	0.8667	2.0028
44	13:31:01	0.0071	0.0065	0.8667	2.0028
45	14:01:03	0.0071	0.0065	0.8667	2.0028
46	14:31:05	0.0071	0.0065	0.8667	2.0028
47	15:01:07	0.0071	0.0065	0.8667	2.0028
48	15:31:10	0.0071	0.0065	0.8667	2.0028
49	16:01:12	0.0071	0.0065	0.8667	2.0028
50	16:31:14	0.0071	0.0065	0.8667	2.0028
51	17:01:17	0.0071	0.0065	0.8667	2.0028
52	17:31:19	0.0071	0.0065	0.8667	2.0028
53	18:01:21	0.0071	0.0065	0.8667	2.0028
54	18:31:23	0.0071	0.0065	0.8667	2.0028
55	19:01:26	0.0071	0.0065	0.8667	2.0028
56	19:31:28	0.0071	0.0065	0.8667	2.0028
57	20:01:30	0.0071	0.0065	0.8667	2.0028
58	20:31:33	0.0071	0.0065	0.8667	2.0028
59	21:01:35	0.0071	0.0065	0.8667	2.0028
60	21:31:37	0.0071	0.0065	0.8667	2.0028
61	22:01:39	0.0071	0.0065	0.8667	2.0028
62	22:31:42	0.0071	0.0065	0.8667	2.0028
63	23:01:44	0.0071	0.0065	0.8667	2.0028
64	23:31:46	0.0071	0.0065	0.8667	2.0028
65	24:01:49	0.0071	0.0065	0.8667	2.0028
66	24:31:51	0.0071	0.0065	0.8667	2.0028
67	25:01:53	0.0071	0.0065	0.8667	2.0028
68	25:31:55	0.0071	0.0065	0.8667	2.0028
69	26:01:58	0.0071	0.0065	0.8667	2.0028
70	26:32:00	0.0071	0.0065	0.8667	2.0028
71	26:44:24	0.0071	0.0065	0.8667	2.0028



37	10:00:46	0.0130	0.0124	1.6533	1.9790
38	10:30:48	0.0130	0.0124	1.6533	1.9790
39	11:00:51	0.0130	0.0124	1.6533	1.9790
40	11:30:53	0.0130	0.0124	1.6533	1.9790
41	12:00:55	0.0131	0.0125	1.6667	1.9786
42	12:30:57	0.0131	0.0125	1.6667	1.9786
43	13:01:00	0.0131	0.0125	1.6667	1.9786
44	13:31:02	0.0131	0.0125	1.6667	1.9786
45	14:01:04	0.0131	0.0125	1.6667	1.9786
46	14:31:07	0.0131	0.0125	1.6667	1.9786
47	15:01:09	0.0131	0.0125	1.6667	1.9786
48	15:31:11	0.0131	0.0125	1.6667	1.9786
49	16:01:13	0.0131	0.0125	1.6667	1.9786
50	16:31:16	0.0132	0.0126	1.6800	1.9782
51	17:01:18	0.0132	0.0126	1.6800	1.9782
52	17:31:20	0.0132	0.0126	1.6800	1.9782
53	18:01:23	0.0132	0.0126	1.6800	1.9782
54	18:31:25	0.0132	0.0126	1.6800	1.9782
55	19:01:27	0.0132	0.0126	1.6800	1.9782
56	19:31:29	0.0132	0.0126	1.6800	1.9782
57	20:01:32	0.0132	0.0126	1.6800	1.9782
58	20:31:34	0.0132	0.0126	1.6800	1.9782
59	21:01:36	0.0132	0.0126	1.6800	1.9782
60	21:31:39	0.0132	0.0126	1.6800	1.9782
61	22:01:41	0.0132	0.0126	1.6800	1.9782
62	22:31:43	0.0132	0.0126	1.6800	1.9782
63	23:01:45	0.0132	0.0126	1.6800	1.9782



37	10:00:45	0.0319	0.0313	4.1733	1.9026
38	10:30:48	0.0319	0.0313	4.1733	1.9026
39	11:00:50	0.0319	0.0313	4.1733	1.9026
40	11:30:52	0.0319	0.0313	4.1733	1.9026
41	12:00:54	0.0319	0.0313	4.1733	1.9026
42	12:30:57	0.0326	0.0320	4.2667	1.8998
43	13:00:59	0.0327	0.0321	4.2800	1.8994
44	13:31:01	0.0327	0.0321	4.2800	1.8994
45	14:01:04	0.0327	0.0321	4.2800	1.8994
46	14:31:06	0.0334	0.0328	4.3733	1.8966
47	15:01:08	0.0334	0.0328	4.3733	1.8966
48	15:31:10	0.0335	0.0329	4.3867	1.8962
49	15:38:06	0.0337	0.0331	4.4133	1.8954

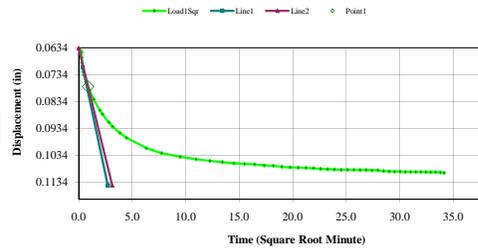
Consolidation Test Results (Sequence 4) Load 0.250 tsf						Consolidation Test Results (Sequence 4) Load 0.250 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			Consolidation Graph (Square-root Time)					
Location:			Test Date: 17 June 11								
Job Number: 11-21			Test Number:								
Sample Number:		Soil Description:									
Boring Number: 18		Organic clay with peat seams (OH)									
Depth: 37 - 39 feet		Remarks:									
Sample Type: Undisturbed											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.0337	0.0331	4.4133	1.8954						
1	00:00:01	0.0361	0.0355	4.7333	1.8857						
2	00:00:02	0.0378	0.0372	4.9600	1.8788						
3	00:00:03	0.0385	0.0379	5.0533	1.8760						
4	00:00:04	0.0389	0.0383	5.1067	1.8744						
5	00:00:05	0.0392	0.0386	5.1467	1.8732						
6	00:00:06	0.0395	0.0389	5.1867	1.8720						
7	00:00:12	0.0414	0.0408	5.4400	1.8643						
8	00:00:15	0.0418	0.0412	5.4933	1.8627						
9	00:00:30	0.0436	0.0430	5.7333	1.8554						
10	00:01:00	0.0457	0.0451	6.0133	1.8469						
11	00:02:00	0.0481	0.0475	6.3333	1.8372						
12	00:04:00	0.0513	0.0507	6.7600	1.8243						
13	00:05:00	0.0523	0.0517	6.8933	1.8203						
14	00:08:00	0.0542	0.0536	7.1467	1.8126						
15	00:10:00	0.0551	0.0545	7.2667	1.8089						
16	00:15:01	0.0567	0.0561	7.4800	1.8025						
17	00:20:01	0.0576	0.0570	7.6000	1.7989						
18	00:40:03	0.0596	0.0590	7.8667	1.7908						
19	01:00:04	0.0607	0.0601	8.0133	1.7863						
20	01:30:06	0.0617	0.0611	8.1467	1.7823						
21	02:00:09	0.0622	0.0616	8.2133	1.7803						
22	02:30:11	0.0626	0.0620	8.2667	1.7787						
23	03:00:13	0.0632	0.0626	8.3467	1.7762						
24	03:30:16	0.0633	0.0627	8.3600	1.7758						
25	04:00:18	0.0637	0.0631	8.4133	1.7742						
26	04:30:20	0.0641	0.0635	8.4667	1.7726						
27	05:00:22	0.0642	0.0636	8.4800	1.7722						
28	05:30:25	0.0643	0.0637	8.4933	1.7718						
29	05:57:14	0.0644	0.0638	8.5067	1.7714						
Tested By:			Checked By:								

Consolidation Test Results (Sequence 5) Load 0.500 tsf	Consolidation Test Results (Sequence 5) Load 0.500 tsf
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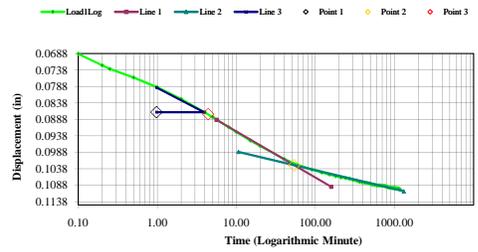
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 17 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 18 Organic clay with peat seams (OH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.0644	0.0638	8.5067	1.7714
1	00:00:01	0.0646	0.0640	8.5333	1.7706
2	00:00:02	0.0646	0.0640	8.5333	1.7706
3	00:00:03	0.0646	0.0640	8.5333	1.7706
4	00:00:04	0.0650	0.0644	8.5867	1.7690
5	00:00:05	0.0671	0.0665	8.8667	1.7606
6	00:00:06	0.0689	0.0683	9.1067	1.7532
7	00:00:12	0.0724	0.0718	9.5733	1.7391
8	00:00:15	0.0735	0.0729	9.7200	1.7346
9	00:00:30	0.0761	0.0755	10.0667	1.7241
10	00:01:00	0.0791	0.0785	10.4667	1.7120
11	00:02:00	0.0826	0.0820	10.9333	1.6979
12	00:04:00	0.0867	0.0861	11.4800	1.6813
13	00:05:01	0.0881	0.0875	11.6667	1.6757
14	00:08:01	0.0912	0.0906	12.0800	1.6631
15	00:10:01	0.0927	0.0921	12.2800	1.6571
16	00:15:01	0.0952	0.0946	12.6133	1.6470
17	00:20:02	0.0969	0.0963	12.8400	1.6401
18	00:40:03	0.1008	0.1002	13.3600	1.6244
19	01:00:05	0.1026	0.1020	13.6000	1.6171
20	01:30:07	0.1040	0.1034	13.7867	1.6115
21	02:00:09	0.1049	0.1043	13.9067	1.6078
22	02:30:12	0.1055	0.1049	13.9867	1.6054
23	03:00:14	0.1060	0.1054	14.0533	1.6034
24	03:30:16	0.1064	0.1058	14.1067	1.6018
25	04:00:18	0.1066	0.1060	14.1333	1.6010
26	04:30:21	0.1068	0.1062	14.1600	1.6001
27	05:00:23	0.1072	0.1066	14.2133	1.5985
28	05:30:25	0.1073	0.1067	14.2267	1.5981
29	06:00:28	0.1077	0.1071	14.2800	1.5965
30	06:30:30	0.1079	0.1073	14.3067	1.5957
31	07:00:32	0.1080	0.1074	14.3200	1.5953
32	07:30:34	0.1081	0.1075	14.3333	1.5949
33	08:00:37	0.1082	0.1076	14.3467	1.5945
34	08:30:39	0.1085	0.1079	14.3867	1.5933
35	09:00:41	0.1086	0.1080	14.4000	1.5929
36	09:30:44	0.1087	0.1081	14.4133	1.5925

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:46	0.1088	0.1082	14.4267	1.5921
38	10:30:48	0.1088	0.1082	14.4267	1.5921
39	11:00:51	0.1088	0.1082	14.4267	1.5921
40	11:30:53	0.1089	0.1083	14.4400	1.5917
41	12:00:55	0.1089	0.1083	14.4400	1.5917
42	12:30:57	0.1090	0.1084	14.4533	1.5913
43	13:01:00	0.1090	0.1084	14.4533	1.5913
44	13:31:02	0.1093	0.1087	14.4933	1.5900
45	14:01:04	0.1094	0.1088	14.5067	1.5896
46	14:31:07	0.1095	0.1089	14.5200	1.5892
47	15:01:09	0.1095	0.1089	14.5200	1.5892
48	15:31:11	0.1096	0.1090	14.5333	1.5888
49	16:01:13	0.1096	0.1090	14.5333	1.5888
50	16:31:16	0.1096	0.1090	14.5333	1.5888
51	17:01:18	0.1096	0.1090	14.5333	1.5888
52	17:31:20	0.1097	0.1091	14.5467	1.5884
53	18:01:22	0.1097	0.1091	14.5467	1.5884
54	18:31:25	0.1097	0.1091	14.5467	1.5884
55	19:01:27	0.1098	0.1092	14.5600	1.5880
56	19:24:55	0.1100	0.1094	14.5867	1.5872

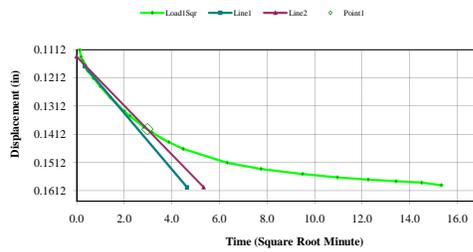
Consolidation Test Results (Sequence 6) Load 1.000 tsf	Consolidation Test Results (Sequence 6) Load 1.000 tsf
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Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 17 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 18 Organic clay with peat seams (OH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

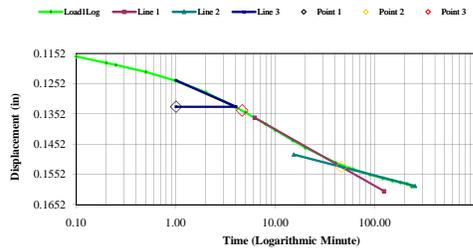
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1100	0.1094	14.5867	1.5872
1	00:00:01	0.1113	0.1107	14.7600	1.5820
2	00:00:02	0.1137	0.1131	15.0800	1.5723
3	00:00:03	0.1148	0.1142	15.2267	1.5678
4	00:00:04	0.1153	0.1147	15.2933	1.5658
5	00:00:05	0.1159	0.1153	15.3733	1.5634
6	00:00:06	0.1162	0.1156	15.4133	1.5622
7	00:00:12	0.1183	0.1177	15.6933	1.5537
8	00:00:15	0.1190	0.1184	15.7867	1.5509
9	00:00:30	0.1213	0.1207	16.0933	1.5416
10	00:01:00	0.1242	0.1236	16.4800	1.5299
11	00:02:00	0.1281	0.1275	17.0000	1.5141
12	00:04:00	0.1330	0.1324	17.6533	1.4943
13	00:05:00	0.1347	0.1341	17.8800	1.4875
14	00:08:01	0.1386	0.1380	18.4000	1.4717
15	00:10:01	0.1406	0.1400	18.6667	1.4636
16	00:15:01	0.1440	0.1434	19.1200	1.4499
17	00:20:02	0.1464	0.1458	19.4400	1.4402
18	00:40:03	0.1513	0.1507	20.0933	1.4204
19	01:00:05	0.1535	0.1529	20.3867	1.4115
20	01:30:07	0.1553	0.1547	20.6267	1.4043
21	02:00:09	0.1565	0.1559	20.7867	1.3994
22	02:30:11	0.1573	0.1567	20.8933	1.3962
23	03:00:14	0.1579	0.1573	20.9733	1.3938
24	03:30:16	0.1584	0.1578	21.0400	1.3917
25	03:54:56	0.1593	0.1587	21.1600	1.3881

Tested By: **Checked By:**

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)

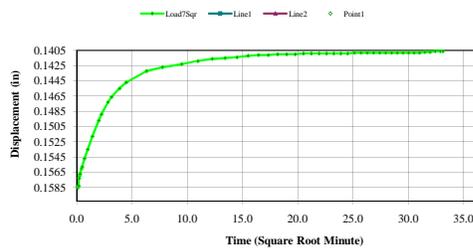


Consolidation Test Results (Sequence 7) Rebound 0.250 tsf	Consolidation Test Results (Sequence 7) Rebound 0.250 tsf
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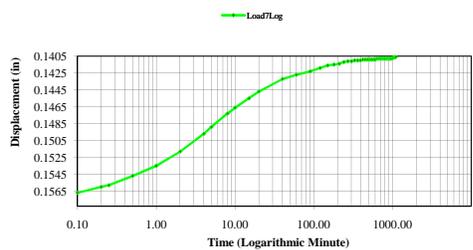
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 17 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 18 Organic clay with peat seams (OH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1593	0.1587	21.1600	1.3881
1	00:00:01	0.1585	0.1579	21.0533	1.3913
2	00:00:02	0.1583	0.1577	21.0267	1.3921
3	00:00:03	0.1573	0.1567	20.8933	1.3962
4	00:00:04	0.1570	0.1564	20.8533	1.3974
5	00:00:05	0.1568	0.1562	20.8267	1.3982
6	00:00:06	0.1567	0.1561	20.8133	1.3986
7	00:00:12	0.1560	0.1554	20.7200	1.4014
8	00:00:15	0.1558	0.1552	20.6933	1.4022
9	00:00:30	0.1547	0.1541	20.5467	1.4067
10	00:01:00	0.1535	0.1529	20.3867	1.4115
11	00:02:01	0.1518	0.1512	20.1600	1.4184
12	00:04:01	0.1497	0.1491	19.8800	1.4269
13	00:05:01	0.1489	0.1483	19.7733	1.4301
14	00:08:01	0.1473	0.1467	19.5600	1.4366
15	00:10:01	0.1466	0.1460	19.4667	1.4394
16	00:15:02	0.1455	0.1449	19.2000	1.4438
17	00:20:02	0.1447	0.1441	19.2133	1.4471
18	00:40:03	0.1432	0.1426	19.0133	1.4531
19	01:00:05	0.1427	0.1421	18.9467	1.4552
20	01:30:07	0.1423	0.1417	18.8933	1.4568
21	02:00:10	0.1419	0.1413	18.8400	1.4584
22	02:30:12	0.1416	0.1410	18.8000	1.4596
23	03:00:14	0.1415	0.1409	18.7867	1.4600
24	03:30:16	0.1414	0.1408	18.7733	1.4604
25	04:00:19	0.1412	0.1406	18.7467	1.4612
26	04:30:21	0.1411	0.1405	18.7333	1.4616
27	05:00:23	0.1411	0.1405	18.7333	1.4616
28	05:30:25	0.1410	0.1404	18.7200	1.4620
29	06:00:28	0.1410	0.1404	18.7200	1.4620
30	06:30:30	0.1410	0.1404	18.7200	1.4620
31	07:00:32	0.1409	0.1403	18.7067	1.4624
32	07:30:35	0.1409	0.1403	18.7067	1.4624
33	08:00:37	0.1409	0.1403	18.7067	1.4624
34	08:30:39	0.1409	0.1403	18.7067	1.4624
35	09:00:41	0.1409	0.1403	18.7067	1.4624
36	09:30:44	0.1409	0.1403	18.7067	1.4624

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



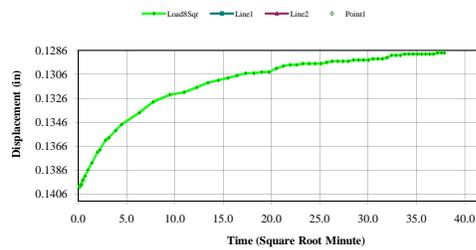
37	10:00:46	0.1409	0.1403	18.7067	1.4624
38	10:30:48	0.1408	0.1402	18.6933	1.4628
39	11:00:51	0.1408	0.1402	18.6933	1.4628
40	11:30:53	0.1408	0.1402	18.6933	1.4628
41	12:00:55	0.1408	0.1402	18.6933	1.4628
42	12:30:57	0.1408	0.1402	18.6933	1.4628
43	13:01:00	0.1408	0.1402	18.6933	1.4628
44	13:31:02	0.1408	0.1402	18.6933	1.4628
45	14:01:04	0.1408	0.1402	18.6933	1.4628
46	14:31:07	0.1408	0.1402	18.6933	1.4628
47	15:01:09	0.1408	0.1402	18.6933	1.4628
48	15:31:11	0.1408	0.1402	18.6933	1.4628
49	16:01:13	0.1408	0.1402	18.6933	1.4628
50	16:31:16	0.1407	0.1401	18.6800	1.4632
51	17:01:18	0.1407	0.1401	18.6800	1.4632
52	17:31:20	0.1406	0.1400	18.6667	1.4636
53	18:01:23	0.1406	0.1400	18.6667	1.4636
54	18:16:51	0.1406	0.1400	18.6667	1.4636

Consolidation Test Results (Sequence 8) Rebound 0.063 tsf	Consolidation Test Results (Sequence 8) Rebound 0.063 tsf
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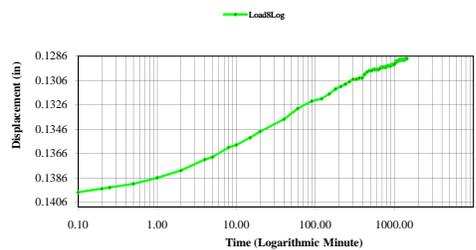
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 17 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 18 Organic clay with peat seams (OH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1406	0.1400	18.6667	1.4636
1	00:00:01	0.1400	0.1394	18.5867	1.4661
2	00:00:02	0.1400	0.1394	18.5867	1.4661
3	00:00:03	0.1399	0.1393	18.5733	1.4665
4	00:00:04	0.1399	0.1393	18.5733	1.4665
5	00:00:05	0.1398	0.1392	18.5600	1.4669
6	00:00:06	0.1398	0.1392	18.5600	1.4669
7	00:00:12	0.1395	0.1389	18.5200	1.4681
8	00:00:15	0.1394	0.1388	18.5067	1.4685
9	00:00:30	0.1391	0.1385	18.4667	1.4697
10	00:01:00	0.1386	0.1380	18.4000	1.4717
11	00:02:00	0.1380	0.1374	18.3200	1.4741
12	00:04:00	0.1371	0.1365	18.2000	1.4778
13	00:05:00	0.1369	0.1363	18.1733	1.4786
14	00:08:00	0.1361	0.1355	18.0667	1.4818
15	00:10:01	0.1359	0.1353	18.0400	1.4826
16	00:15:01	0.1353	0.1347	17.9600	1.4850
17	00:20:01	0.1348	0.1342	17.8933	1.4871
18	00:40:03	0.1338	0.1332	17.7600	1.4911
19	01:00:04	0.1329	0.1323	17.6400	1.4947
20	01:30:06	0.1323	0.1317	17.5600	1.4972
21	02:00:09	0.1321	0.1315	17.5333	1.4980
22	02:30:11	0.1317	0.1311	17.4800	1.4996
23	03:00:13	0.1313	0.1307	17.4267	1.5012
24	03:30:15	0.1311	0.1305	17.4000	1.5020
25	04:00:18	0.1309	0.1303	17.3733	1.5028
26	04:30:20	0.1307	0.1301	17.3467	1.5036
27	05:00:22	0.1305	0.1299	17.3200	1.5044
28	05:30:24	0.1305	0.1299	17.3200	1.5044
29	06:00:27	0.1304	0.1298	17.3067	1.5048
30	06:30:29	0.1304	0.1298	17.3067	1.5048
31	07:00:31	0.1301	0.1295	17.2667	1.5060
32	07:30:34	0.1299	0.1293	17.2400	1.5068
33	08:00:36	0.1298	0.1292	17.2267	1.5073
34	08:30:38	0.1298	0.1292	17.2267	1.5073
35	09:00:40	0.1297	0.1291	17.2133	1.5077
36	09:30:43	0.1297	0.1291	17.2133	1.5077

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:45	0.1297	0.1291	17.2133	1.5077
38	10:30:47	0.1297	0.1291	17.2133	1.5077
39	11:00:49	0.1296	0.1290	17.2000	1.5081
40	11:30:52	0.1295	0.1289	17.1867	1.5085
41	12:00:54	0.1295	0.1289	17.1867	1.5085
42	12:30:56	0.1295	0.1289	17.1867	1.5085
43	13:00:59	0.1295	0.1289	17.1867	1.5085
44	13:31:01	0.1294	0.1288	17.1733	1.5089
45	14:01:03	0.1294	0.1288	17.1733	1.5089
46	14:31:05	0.1294	0.1288	17.1733	1.5089
47	15:01:08	0.1294	0.1288	17.1733	1.5089
48	15:31:10	0.1293	0.1287	17.1600	1.5093
49	16:01:12	0.1293	0.1287	17.1600	1.5093
50	16:31:15	0.1293	0.1287	17.1600	1.5093
51	17:01:17	0.1292	0.1286	17.1467	1.5097
52	17:31:19	0.1290	0.1284	17.1200	1.5105
53	18:01:21	0.1290	0.1284	17.1200	1.5105
54	18:31:24	0.1290	0.1284	17.1200	1.5105
55	19:01:26	0.1289	0.1283	17.1067	1.5109
56	19:31:28	0.1289	0.1283	17.1067	1.5109
57	20:01:31	0.1289	0.1283	17.1067	1.5109
58	20:31:33	0.1289	0.1283	17.1067	1.5109
59	21:01:35	0.1289	0.1283	17.1067	1.5109
60	21:31:37	0.1289	0.1283	17.1067	1.5109
61	22:01:40	0.1289	0.1283	17.1067	1.5109
62	22:31:42	0.1289	0.1283	17.1067	1.5109
63	23:01:44	0.1288	0.1282	17.0933	1.5113
64	23:31:47	0.1288	0.1282	17.0933	1.5113
65	23:54:46	0.1288	0.1282	17.0933	1.5113

Consolidation Test Results (Sequence 9) Load 0.250 tsf						Consolidation Test Results (Sequence 9) Load 0.250 tsf					
Project: LA DNR Lost Lake Marsh Creation (TE-72)			Project Number: 16715-020-00			Consolidation Graph (Square-root Time)					
Location:			Test Date: 17 June 11								
Job Number: 11-21			Test Number:								
Sample Number:			Soil Description: Organic clay with peat seams (OH)								
Boring Number: 18			Remarks:								
Depth: 37 - 39 feet											
Sample Type: Undisturbed											
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio						
0	00:00:00	0.1288	0.1282	17.0933	1.5113						
1	00:00:01	0.1291	0.1285	17.1333	1.5101						
2	00:00:02	0.1292	0.1286	17.1467	1.5097						
3	00:00:03	0.1293	0.1287	17.1600	1.5093						
4	00:00:04	0.1293	0.1287	17.1600	1.5093						
5	00:00:05	0.1294	0.1288	17.1733	1.5089						
6	00:00:06	0.1294	0.1288	17.1733	1.5089						
7	00:00:12	0.1296	0.1290	17.2000	1.5081						
8	00:00:15	0.1296	0.1290	17.2000	1.5081						
9	00:00:30	0.1297	0.1291	17.2133	1.5077						
10	00:01:00	0.1300	0.1294	17.2533	1.5064						
11	00:02:00	0.1303	0.1297	17.2933	1.5052						
12	00:04:00	0.1305	0.1299	17.3200	1.5044						
13	00:05:01	0.1305	0.1299	17.3200	1.5044						
14	00:08:01	0.1306	0.1300	17.3333	1.5040						
15	00:10:01	0.1307	0.1301	17.3467	1.5036						
16	00:15:01	0.1308	0.1302	17.3600	1.5032						
17	00:20:02	0.1308	0.1302	17.3600	1.5032						
18	00:40:03	0.1309	0.1303	17.3733	1.5028						
19	01:00:05	0.1310	0.1304	17.3867	1.5024						
20	01:30:07	0.1310	0.1304	17.3867	1.5024						
21	02:00:09	0.1311	0.1305	17.4000	1.5020						
22	02:30:12	0.1311	0.1305	17.4000	1.5020						
Tested By:			Checked By:								

Consolidation Test Results
(Sequence 10) Load 0.500 tsf

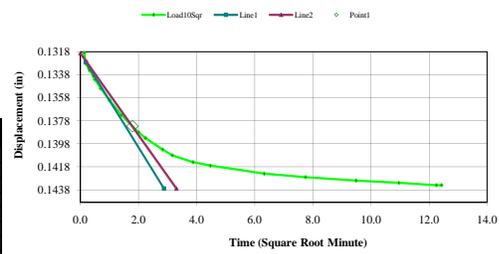
Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 17 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 18 Organic clay with peat seams (OH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1311	0.1305	17.4000	1.5020
1	00:00:01	0.1319	0.1313	17.5067	1.4988
2	00:00:02	0.1327	0.1321	17.6133	1.4955
3	00:00:03	0.1329	0.1323	17.6400	1.4947
4	00:00:04	0.1330	0.1324	17.6533	1.4943
5	00:00:05	0.1332	0.1326	17.6800	1.4935
6	00:00:06	0.1334	0.1328	17.7067	1.4927
7	00:00:12	0.1339	0.1333	17.7733	1.4907
8	00:00:15	0.1342	0.1336	17.8133	1.4895
9	00:00:30	0.1350	0.1344	17.9200	1.4863
10	00:01:00	0.1360	0.1354	18.0533	1.4822
11	00:02:00	0.1373	0.1367	18.2267	1.4770
12	00:04:01	0.1388	0.1382	18.4267	1.4709
13	00:05:01	0.1393	0.1387	18.4933	1.4689
14	00:08:01	0.1403	0.1397	18.6267	1.4648
15	00:10:01	0.1408	0.1402	18.6933	1.4628
16	00:15:02	0.1414	0.1408	18.7733	1.4604
17	00:20:02	0.1417	0.1411	18.8133	1.4592
18	00:40:03	0.1424	0.1418	18.9067	1.4564
19	01:00:05	0.1427	0.1421	18.9467	1.4552
20	01:30:07	0.1430	0.1424	18.9867	1.4539
21	02:00:10	0.1432	0.1426	19.0133	1.4531
22	02:30:12	0.1434	0.1428	19.0400	1.4523
23	02:34:31	0.1434	0.1428	19.0400	1.4523

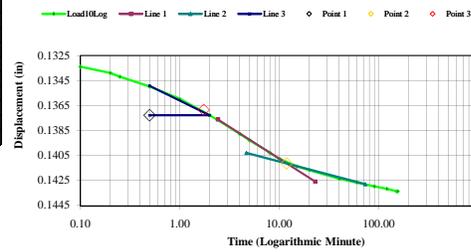
Tested By: **Checked By:**

Consolidation Test Results
(Sequence 10) Load 0.500 tsf

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



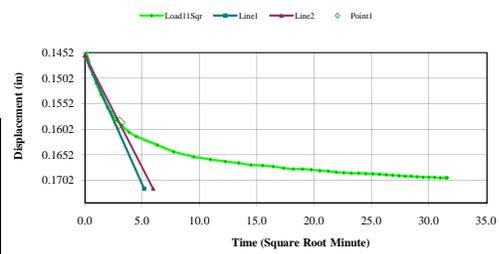
Consolidation Test Results
(Sequence 11) Load 1.000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 17 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 18 Organic clay with peat seams (OH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

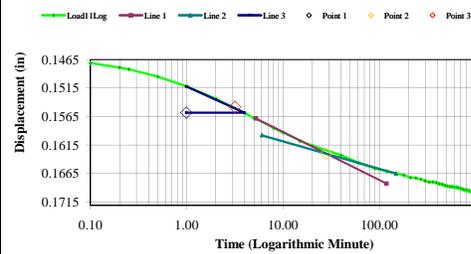
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1434	0.1428	19.0400	1.4523
1	00:00:01	0.1453	0.1447	19.2933	1.4447
2	00:00:02	0.1459	0.1453	19.3733	1.4422
3	00:00:03	0.1464	0.1458	19.4400	1.4402
4	00:00:04	0.1466	0.1460	19.4667	1.4394
5	00:00:05	0.1468	0.1462	19.4933	1.4386
6	00:00:06	0.1471	0.1465	19.5333	1.4374
7	00:00:12	0.1479	0.1473	19.6400	1.4342
8	00:00:15	0.1482	0.1476	19.6800	1.4329
9	00:00:30	0.1495	0.1489	19.8533	1.4277
10	00:01:00	0.1512	0.1506	20.0800	1.4208
11	00:02:01	0.1534	0.1528	20.3733	1.4119
12	00:04:01	0.1559	0.1553	20.7067	1.4018
13	00:05:01	0.1568	0.1562	20.8267	1.3982
14	00:08:01	0.1585	0.1579	21.0533	1.3913
15	00:10:01	0.1593	0.1587	21.1600	1.3881
16	00:15:01	0.1608	0.1602	21.3600	1.3821
17	00:20:02	0.1616	0.1610	21.4667	1.3788
18	00:40:03	0.1633	0.1627	21.6933	1.3720
19	01:00:05	0.1646	0.1640	21.8667	1.3667
20	01:30:07	0.1656	0.1650	22.0000	1.3627
21	02:00:09	0.1661	0.1655	22.0667	1.3606
22	02:30:12	0.1665	0.1659	22.1200	1.3590
23	03:00:14	0.1668	0.1662	22.1600	1.3578
24	03:30:16	0.1672	0.1666	22.2133	1.3562
25	04:00:19	0.1673	0.1667	22.2267	1.3558
26	04:30:21	0.1675	0.1669	22.2533	1.3550
27	05:00:23	0.1678	0.1672	22.2933	1.3538
28	05:30:25	0.1680	0.1674	22.3200	1.3530
29	06:00:28	0.1680	0.1674	22.3200	1.3530
30	06:30:30	0.1681	0.1675	22.3333	1.3526
31	07:00:32	0.1683	0.1677	22.3600	1.3518
32	07:30:35	0.1684	0.1678	22.3733	1.3514
33	08:00:37	0.1686	0.1680	22.4000	1.3505
34	08:30:39	0.1687	0.1681	22.4133	1.3501
35	09:00:41	0.1688	0.1682	22.4267	1.3497
36	09:30:44	0.1688	0.1682	22.4267	1.3497

Consolidation Test Results
(Sequence 11) Load 1.000 tsf

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	10:00:46	0.1689	0.1683	22.4400	1.3493
38	10:30:48	0.1689	0.1683	22.4400	1.3493
39	11:00:51	0.1690	0.1684	22.4533	1.3489
40	11:30:53	0.1691	0.1685	22.4667	1.3485
41	12:00:55	0.1692	0.1686	22.4800	1.3481
42	12:30:57	0.1693	0.1687	22.4933	1.3477
43	13:01:00	0.1694	0.1688	22.5067	1.3473
44	13:31:02	0.1694	0.1688	22.5067	1.3473
45	14:01:04	0.1695	0.1689	22.5200	1.3469
46	14:31:06	0.1696	0.1690	22.5333	1.3465
47	15:01:09	0.1696	0.1690	22.5333	1.3465
48	15:31:11	0.1696	0.1690	22.5333	1.3465
49	16:01:13	0.1697	0.1691	22.5467	1.3461
50	16:31:16	0.1697	0.1691	22.5467	1.3461
51	16:39:44	0.1697	0.1691	22.5467	1.3461

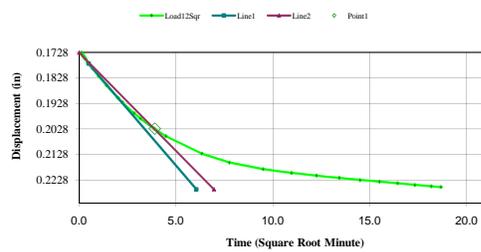
Consolidation Test Results (Sequence 12) Load 2,000 tsf	Consolidation Test Results (Sequence 12) Load 2,000 tsf
---	---

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Date:** 17 June 11
Job Number: 11-21 **Test Number:**
Sample Number: **Soil Description:**
Boring Number: 18 **Organic clay with peat seams (OH)**
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

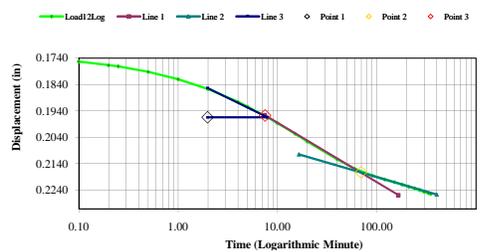
Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.1697	0.1691	22.5467	1.3461
1	00:00:01	0.1729	0.1723	22.9733	1.3332
2	00:00:02	0.1737	0.1731	23.0800	1.3300
3	00:00:03	0.1743	0.1737	23.1600	1.3275
4	00:00:04	0.1746	0.1740	23.2000	1.3263
5	00:00:05	0.1751	0.1745	23.2667	1.3243
6	00:00:06	0.1753	0.1747	23.2933	1.3235
7	00:00:12	0.1767	0.1761	23.4800	1.3178
8	00:00:15	0.1771	0.1765	23.5333	1.3162
9	00:00:30	0.1792	0.1786	23.8133	1.3077
10	00:01:00	0.1820	0.1814	24.1867	1.2964
11	00:02:00	0.1857	0.1851	24.6800	1.2815
12	00:04:00	0.1906	0.1900	25.3333	1.2617
13	00:05:00	0.1924	0.1918	25.5733	1.2544
14	00:08:01	0.1966	0.1960	26.1333	1.2375
15	00:10:01	0.1987	0.1981	26.4133	1.2290
16	00:15:01	0.2026	0.2020	26.9333	1.2132
17	00:20:01	0.2056	0.2050	27.3333	1.2011
18	00:40:03	0.2124	0.2118	28.2400	1.1737
19	01:00:05	0.2159	0.2153	28.7067	1.1595
20	01:30:07	0.2185	0.2179	29.0533	1.1490
21	02:00:09	0.2200	0.2194	29.2533	1.1430
22	02:30:11	0.2210	0.2204	29.3867	1.1389
23	03:00:14	0.2219	0.2213	29.5067	1.1353
24	03:30:16	0.2228	0.2222	29.6267	1.1316
25	04:00:18	0.2234	0.2228	29.7067	1.1292
26	04:30:20	0.2240	0.2234	29.7867	1.1268
27	05:00:20	0.2247	0.2241	29.8800	1.1240
28	05:30:20	0.2252	0.2246	29.9467	1.1220
29	05:48:41	0.2255	0.2249	29.9867	1.1207

Tested By: _____ Checked By: _____

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



Consolidation Test Results
(Sequence 13) Load 4,000 tsf

Consolidation Test Results
(Sequence 13) Load 4,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

Project Number: 16715-020-00

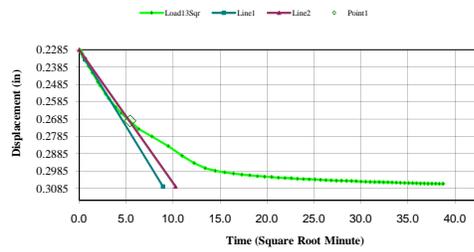
Test Date: 17 June 11
Test Number:

Sample Number: 18
Boring Number: 37 - 39 feet
Depth: 37 - 39 feet
Sample Type: Undisturbed

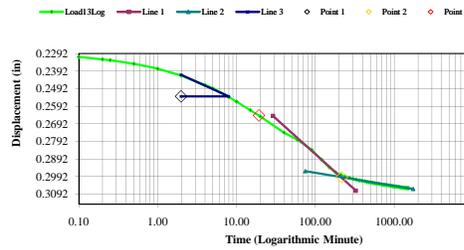
Soil Description: Organic clay with peat seams (OH)
Remarks:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.2255	0.2249	29.9867	1.1207
1	00:00:01	0.2289	0.2283	30.4400	1.1070
2	00:00:02	0.2296	0.2290	30.5333	1.1042
3	00:00:03	0.2302	0.2296	30.6133	1.1018
4	00:00:04	0.2305	0.2299	30.6533	1.1006
5	00:00:05	0.2309	0.2303	30.7067	1.0989
6	00:00:06	0.2312	0.2306	30.7467	1.0977
7	00:00:12	0.2326	0.2320	30.9333	1.0921
8	00:00:15	0.2330	0.2324	30.9867	1.0905
9	00:00:30	0.2351	0.2345	31.2667	1.0820
10	00:01:00	0.2379	0.2373	31.6400	1.0707
11	00:02:00	0.2418	0.2412	32.1600	1.0549
12	00:04:00	0.2472	0.2466	32.8800	1.0331
13	00:05:00	0.2491	0.2485	33.1333	1.0254
14	00:08:01	0.2540	0.2534	33.7867	1.0056
15	00:10:01	0.2566	0.2560	34.1333	0.9951
16	00:15:01	0.2615	0.2609	34.7867	0.9754
17	00:20:01	0.2650	0.2644	35.2533	0.9612
18	00:40:03	0.2742	0.2736	36.4800	0.9241
19	01:00:03	0.2785	0.2779	37.0533	0.9067
20	01:30:03	0.2841	0.2835	37.8000	0.8841
21	02:00:02	0.2896	0.2890	38.5333	0.8619
22	02:30:02	0.2939	0.2933	39.1067	0.8445
23	03:00:02	0.2968	0.2962	39.4933	0.8328
24	03:30:02	0.2983	0.2977	39.6933	0.8267
25	04:00:02	0.2992	0.2986	39.8133	0.8231
26	04:30:01	0.2999	0.2993	39.9067	0.8203
27	05:00:01	0.3005	0.2999	39.9867	0.8178
28	05:30:00	0.3009	0.3003	40.0400	0.8162
29	06:00:01	0.3014	0.3008	40.1067	0.8142
30	06:30:00	0.3017	0.3011	40.1467	0.8130
31	07:00:00	0.3019	0.3013	40.1733	0.8122
32	07:29:59	0.3023	0.3017	40.2267	0.8106
33	07:59:59	0.3025	0.3019	40.2533	0.8098
34	08:29:59	0.3026	0.3020	40.2667	0.8094
35	08:59:59	0.3029	0.3023	40.3067	0.8081
36	09:29:58	0.3031	0.3025	40.3333	0.8073

Consolidation Graph (Square-root Time)



Consolidation Graph (Logarithmic Time)



37	09:59:58	0.3032	0.3026	40.3467	0.8069
38	10:29:58	0.3033	0.3027	40.3600	0.8065
39	10:59:58	0.3035	0.3029	40.3867	0.8057
40	11:29:57	0.3037	0.3031	40.4133	0.8049
41	11:59:57	0.3038	0.3032	40.4267	0.8045
42	12:29:57	0.3040	0.3034	40.4533	0.8037
43	12:59:56	0.3040	0.3034	40.4533	0.8037
44	13:29:56	0.3041	0.3035	40.4667	0.8033
45	13:59:56	0.3042	0.3036	40.4800	0.8029
46	14:29:56	0.3043	0.3037	40.4933	0.8025
47	14:59:55	0.3045	0.3039	40.5200	0.8017
48	15:29:55	0.3046	0.3040	40.5333	0.8013
49	15:59:55	0.3047	0.3041	40.5467	0.8009
50	16:29:54	0.3048	0.3042	40.5600	0.8005
51	16:59:54	0.3048	0.3042	40.5600	0.8005
52	17:29:54	0.3049	0.3043	40.5733	0.8001
53	17:59:54	0.3049	0.3043	40.5733	0.8001
54	18:29:53	0.3050	0.3044	40.5867	0.7997
55	18:59:53	0.3051	0.3045	40.6000	0.7993
56	19:29:53	0.3052	0.3046	40.6133	0.7989
57	19:59:53	0.3053	0.3047	40.6267	0.7985
58	20:29:52	0.3054	0.3048	40.6400	0.7980
59	20:59:52	0.3054	0.3048	40.6400	0.7980
60	21:29:51	0.3055	0.3049	40.6533	0.7976
61	21:59:52	0.3056	0.3050	40.6667	0.7972
62	22:29:51	0.3056	0.3050	40.6667	0.7972
63	22:59:51	0.3057	0.3051	40.6800	0.7968
64	23:29:50	0.3057	0.3051	40.6800	0.7968
65	23:59:50	0.3057	0.3051	40.6800	0.7968
66	24:29:50	0.3058	0.3052	40.6933	0.7964
67	24:59:49	0.3058	0.3052	40.6933	0.7964
68	25:00:47	0.3058	0.3052	40.6933	0.7964

Consolidation Test Results
(Sequence 14) Load 8,000 tsf

Consolidation Test Results
(Sequence 14) Load 8,000 tsf

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

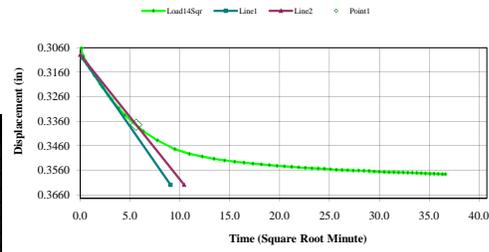
Project Number: 16715-020-00
Test Date: 17 June 11
Test Number:

Sample Number: 18
Boring Number: 37 - 39 feet
Depth: Undisturbed
Sample Type: Undisturbed

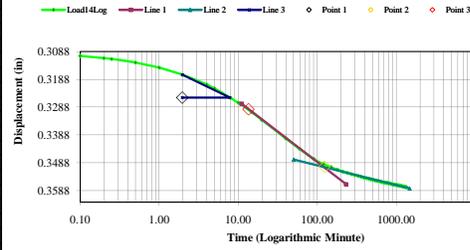
Soil Description: Organic clay with peat seams (OH)
Remarks:

Index	Time	Displacement (in)	Settlement (in)	Axial Strain (%)	Void Ratio
0	00:00:00	0.3058	0.3052	40.6933	0.7964
1	00:00:01	0.3062	0.3056	40.7467	0.7948
2	00:00:02	0.3088	0.3082	41.0933	0.7843
3	00:00:03	0.3092	0.3086	41.1467	0.7827
4	00:00:04	0.3097	0.3091	41.2133	0.7807
5	00:00:05	0.3102	0.3096	41.2800	0.7787
6	00:00:06	0.3104	0.3098	41.3067	0.7779
7	00:00:12	0.3112	0.3106	41.4133	0.7746
8	00:00:15	0.3115	0.3109	41.4533	0.7734
9	00:00:30	0.3128	0.3122	41.6267	0.7682
10	00:01:00	0.3146	0.3140	41.8667	0.7609
11	00:02:00	0.3172	0.3166	42.2133	0.7504
12	00:04:00	0.3207	0.3201	42.6800	0.7363
13	00:05:00	0.3221	0.3215	42.8667	0.7306
14	00:08:00	0.3255	0.3249	43.3200	0.7169
15	00:10:00	0.3272	0.3266	43.5467	0.7100
16	00:15:00	0.3307	0.3301	44.0133	0.6959
17	00:20:00	0.3335	0.3329	44.3867	0.6846
18	00:39:59	0.3401	0.3395	45.2667	0.6579
19	00:59:59	0.3438	0.3432	45.7600	0.6430
20	01:30:00	0.3474	0.3468	46.2400	0.6284
21	01:59:59	0.3493	0.3487	46.4933	0.6207
22	02:29:59	0.3504	0.3498	46.6400	0.6163
23	02:59:58	0.3513	0.3507	46.7600	0.6127
24	03:29:58	0.3520	0.3514	46.8533	0.6098
25	03:59:58	0.3525	0.3519	46.9200	0.6078
26	04:29:58	0.3529	0.3523	46.9733	0.6062
27	04:59:57	0.3533	0.3527	47.0267	0.6046
28	05:29:57	0.3536	0.3530	47.0667	0.6034
29	05:59:57	0.3539	0.3533	47.1067	0.6022
30	06:29:57	0.3542	0.3536	47.1467	0.6010
31	06:59:56	0.3544	0.3538	47.1733	0.6002
32	07:29:56	0.3546	0.3540	47.2000	0.5993
33	07:59:56	0.3548	0.3542	47.2267	0.5985
34	08:29:56	0.3550	0.3544	47.2533	0.5977
35	08:59:55	0.3552	0.3546	47.2800	0.5969
36	09:29:55	0.3553	0.3547	47.2933	0.5965

Consolidation Graph (Square-root Time)

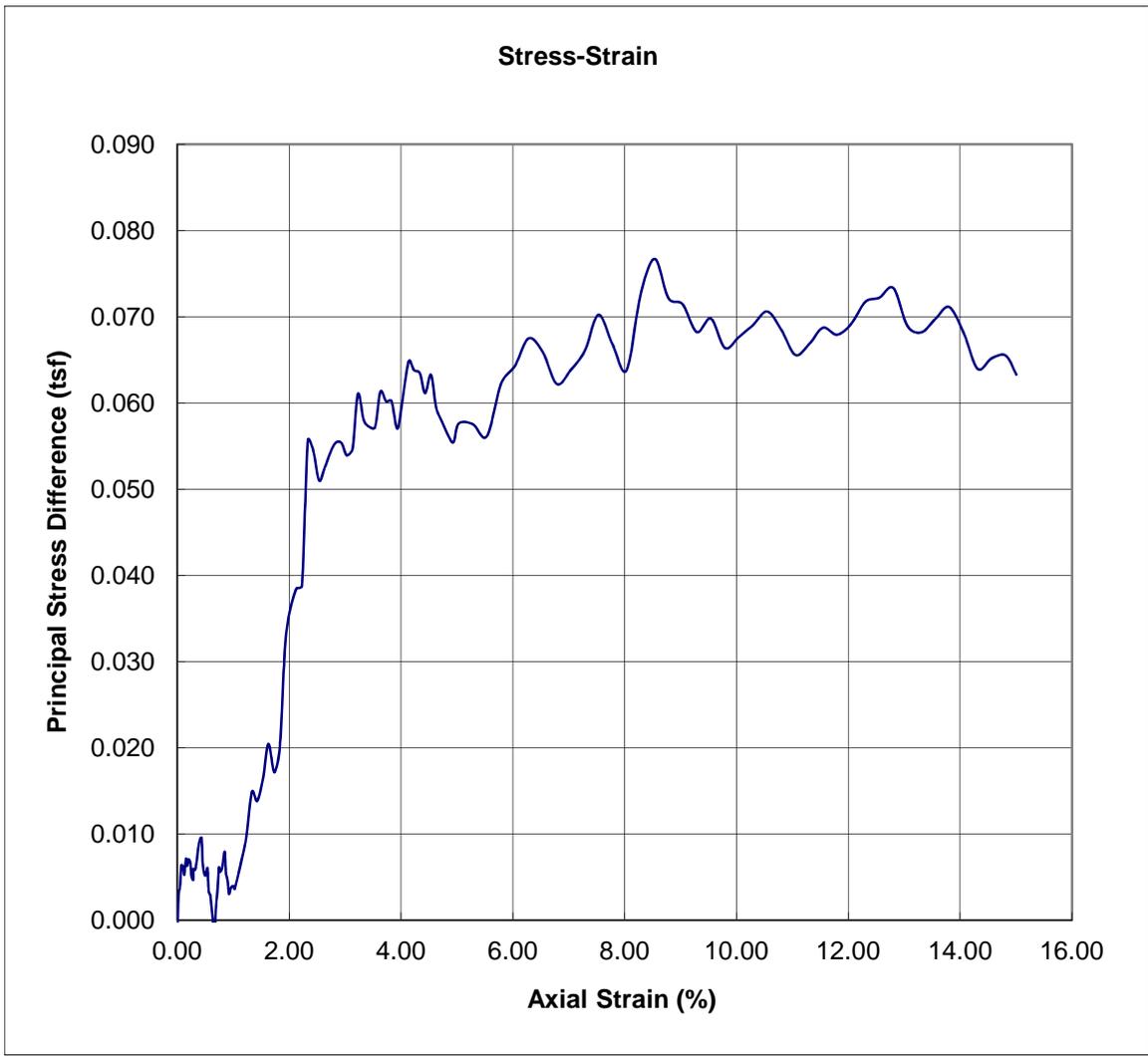


Consolidation Graph (Logarithmic Time)

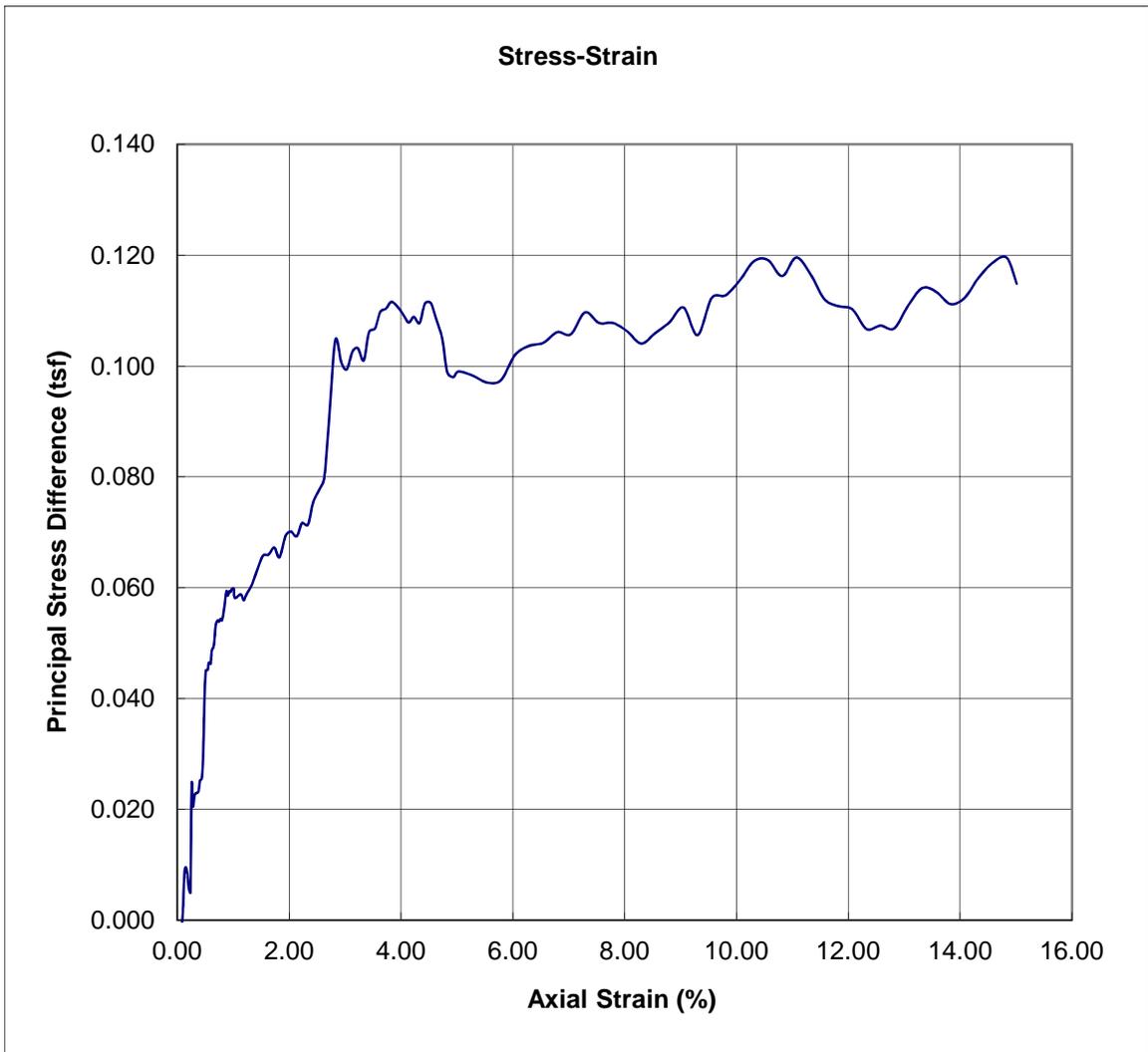


37	09:59:55	0.3554	0.3548	47.3067	0.5961
38	10:29:54	0.3556	0.3550	47.3333	0.5953
39	10:59:54	0.3558	0.3552	47.3600	0.5945
40	11:29:53	0.3559	0.3553	47.3733	0.5941
41	11:59:53	0.3560	0.3554	47.3867	0.5937
42	12:29:53	0.3561	0.3555	47.4000	0.5933
43	12:59:52	0.3561	0.3555	47.4000	0.5933
44	13:29:52	0.3562	0.3556	47.4133	0.5929
45	13:59:52	0.3563	0.3557	47.4267	0.5925
46	14:29:52	0.3565	0.3559	47.4533	0.5917
47	14:59:51	0.3566	0.3560	47.4667	0.5913
48	15:29:51	0.3567	0.3561	47.4800	0.5909
49	15:59:51	0.3568	0.3562	47.4933	0.5905
50	16:29:51	0.3568	0.3562	47.4933	0.5905
51	16:59:50	0.3569	0.3563	47.5067	0.5901
52	17:29:50	0.3569	0.3563	47.5067	0.5901
53	17:59:50	0.3570	0.3564	47.5200	0.5897
54	18:29:49	0.3570	0.3564	47.5200	0.5897
55	18:59:49	0.3571	0.3565	47.5333	0.5892
56	19:29:49	0.3572	0.3566	47.5467	0.5888
57	19:59:49	0.3573	0.3567	47.5600	0.5884
58	20:29:48	0.3574	0.3568	47.5733	0.5880
59	20:59:48	0.3574	0.3568	47.5733	0.5880
60	21:29:48	0.3575	0.3569	47.5867	0.5876
61	21:59:47	0.3576	0.3570	47.6000	0.5872
62	22:21:02	0.3576	0.3570	47.6000	0.5872

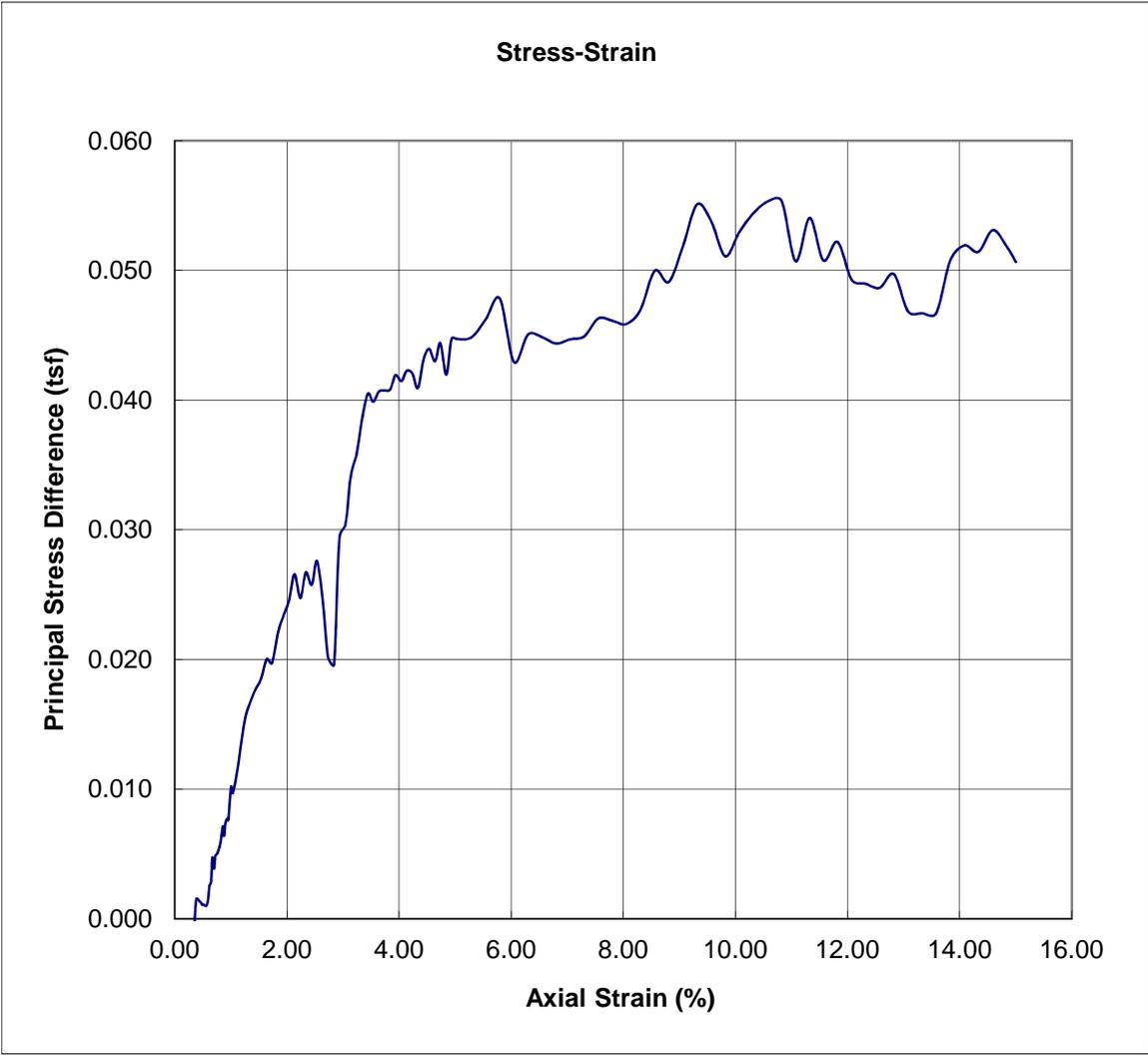
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	8:47:35 AM
Boring:	1	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	7
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	3.44E-02	Test Type:	UU
Failure:	Bulge		



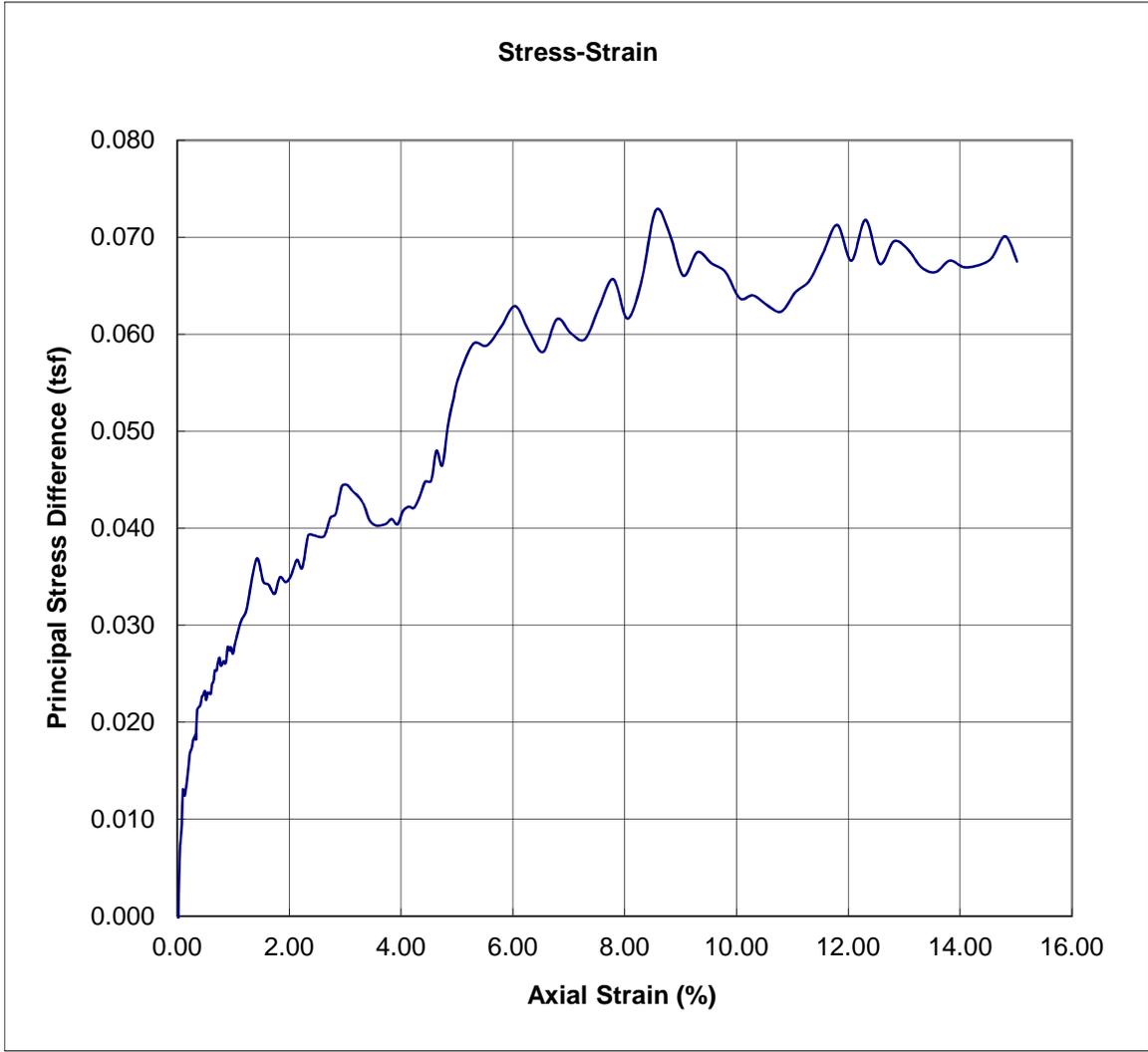
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	9:33:00 AM
Boring:	1	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	9
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	0.448389373	Test Type:	UU
Failure:	Bulge		



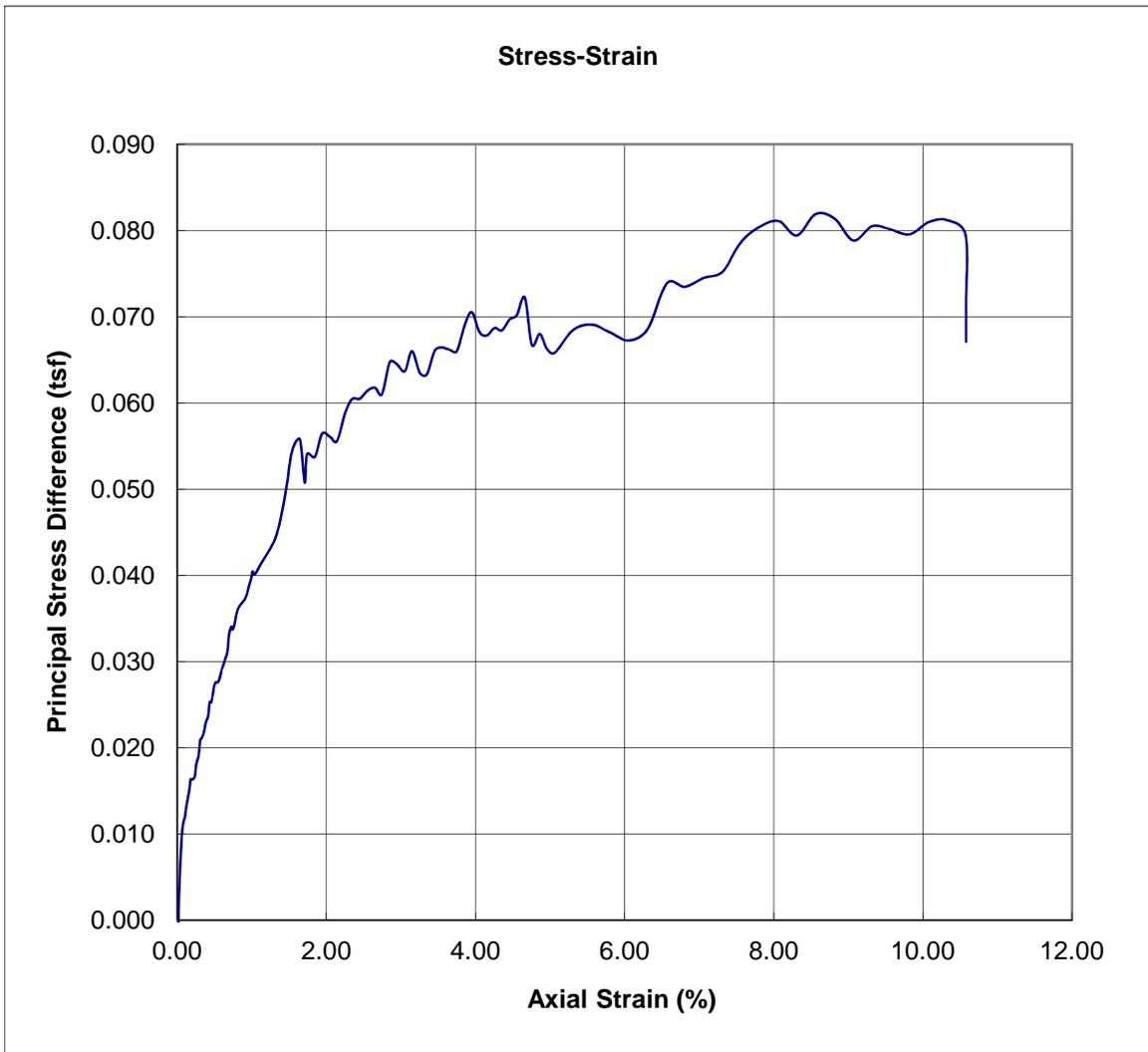
Project: 21-Nov Load Frame Name: Load Frame
Date: 6/9/2011 Time: 10:17:49 AM
Boring: 1 Sample: Sample1
Specimen: Specimen1 Depth (ft): 11
Diameter (inch): 2.85 Height (inch): 6
Piston Correction (l 0.581210892 Test Type: UU
Failure: Bulge



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	11:12:07 AM
Boring:	1	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	13
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	0.553224232	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	10:54:17 AM
Boring:	1	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	17
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	0.858400682	Test Type:	UU
Failure:	Bulge		

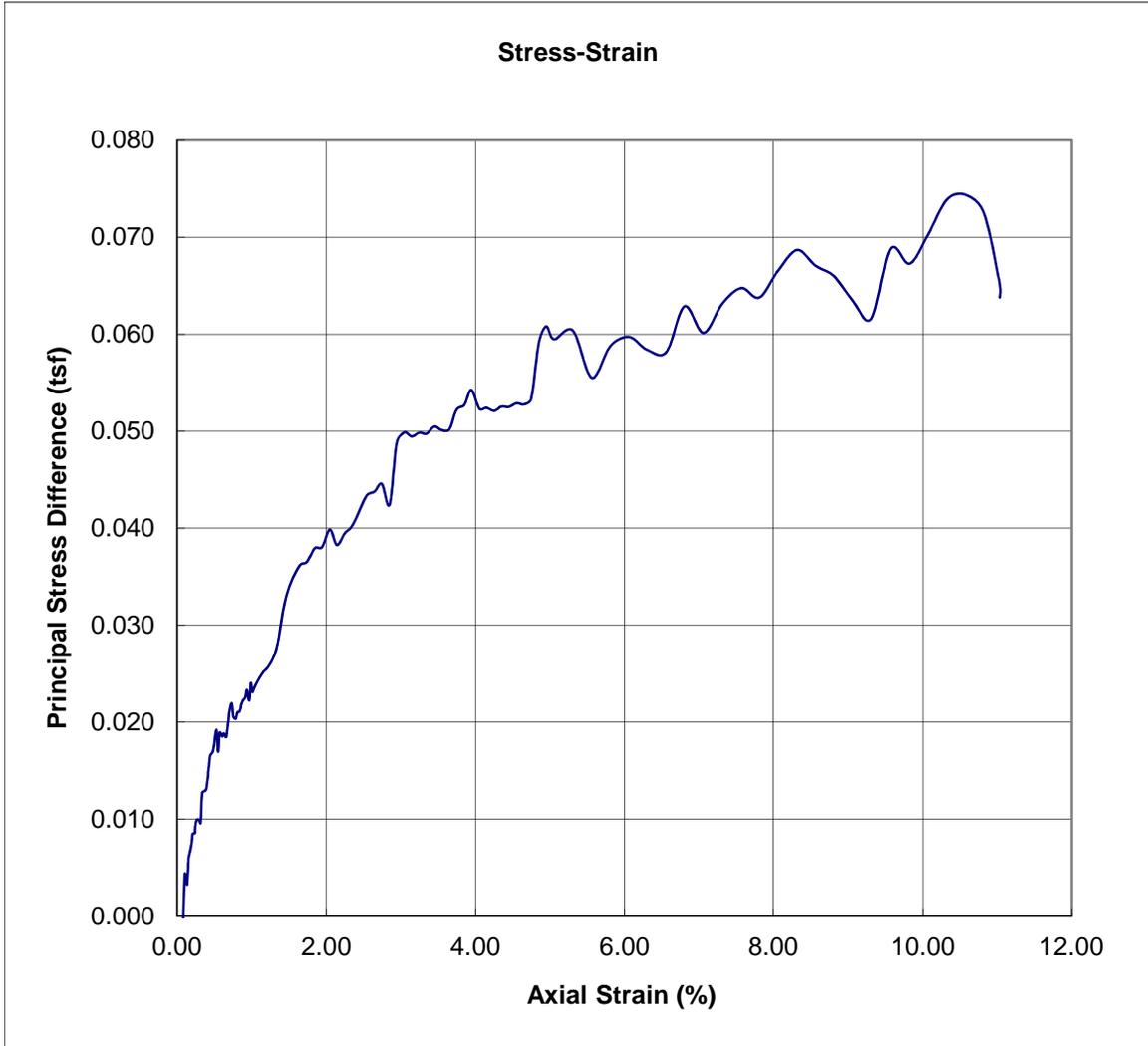


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	11:57:26 AM
Boring:	1	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	21
Diameter (inch):	2.84	Height (inch):	6
Piston Correction (lbs):	1.178191433	Test Type:	UU
Failure:	Yield		

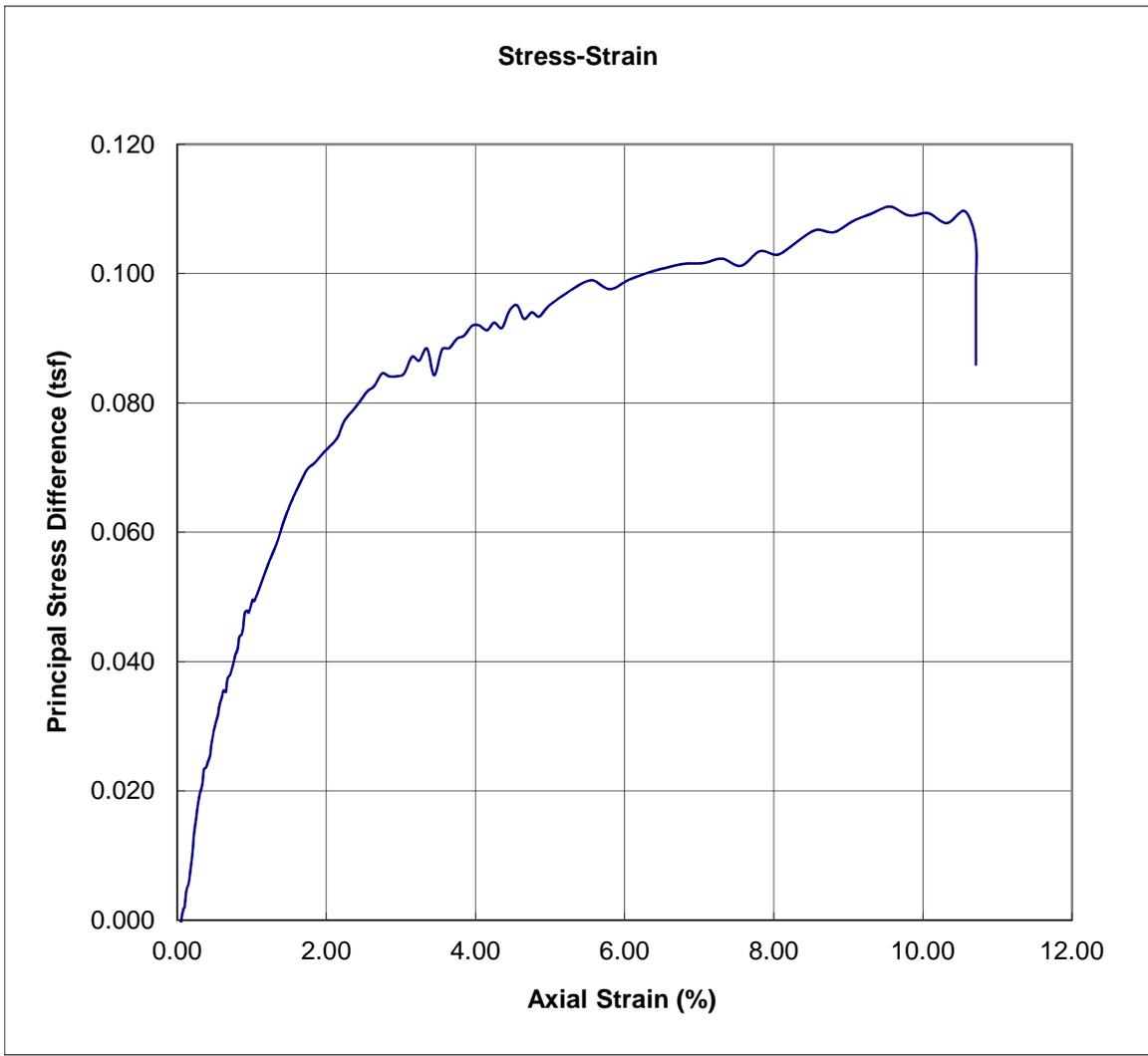


Project: 16715-020-00
Date: 6/9/2011
Boring: 1
Specimen: Specimen1
Diameter (inch): 2.82
Piston Correction (lbs): 1.497097978
Failure: Bulge

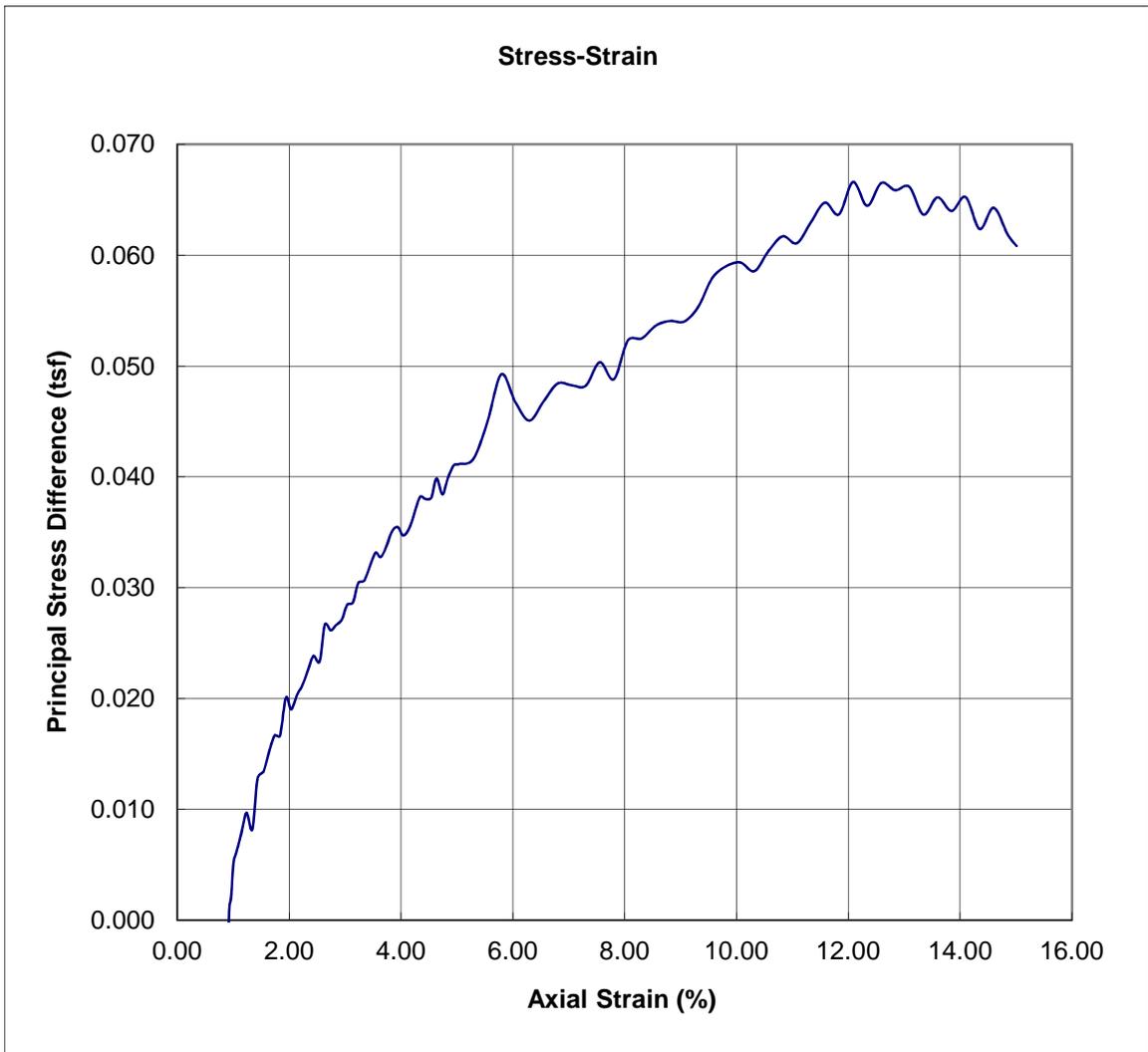
Load Frame Name: Load Frame
Time: 10:17:43 AM
Sample: Sample1
Depth (ft): 25
Height (inch): 5.79
Test Type: UU



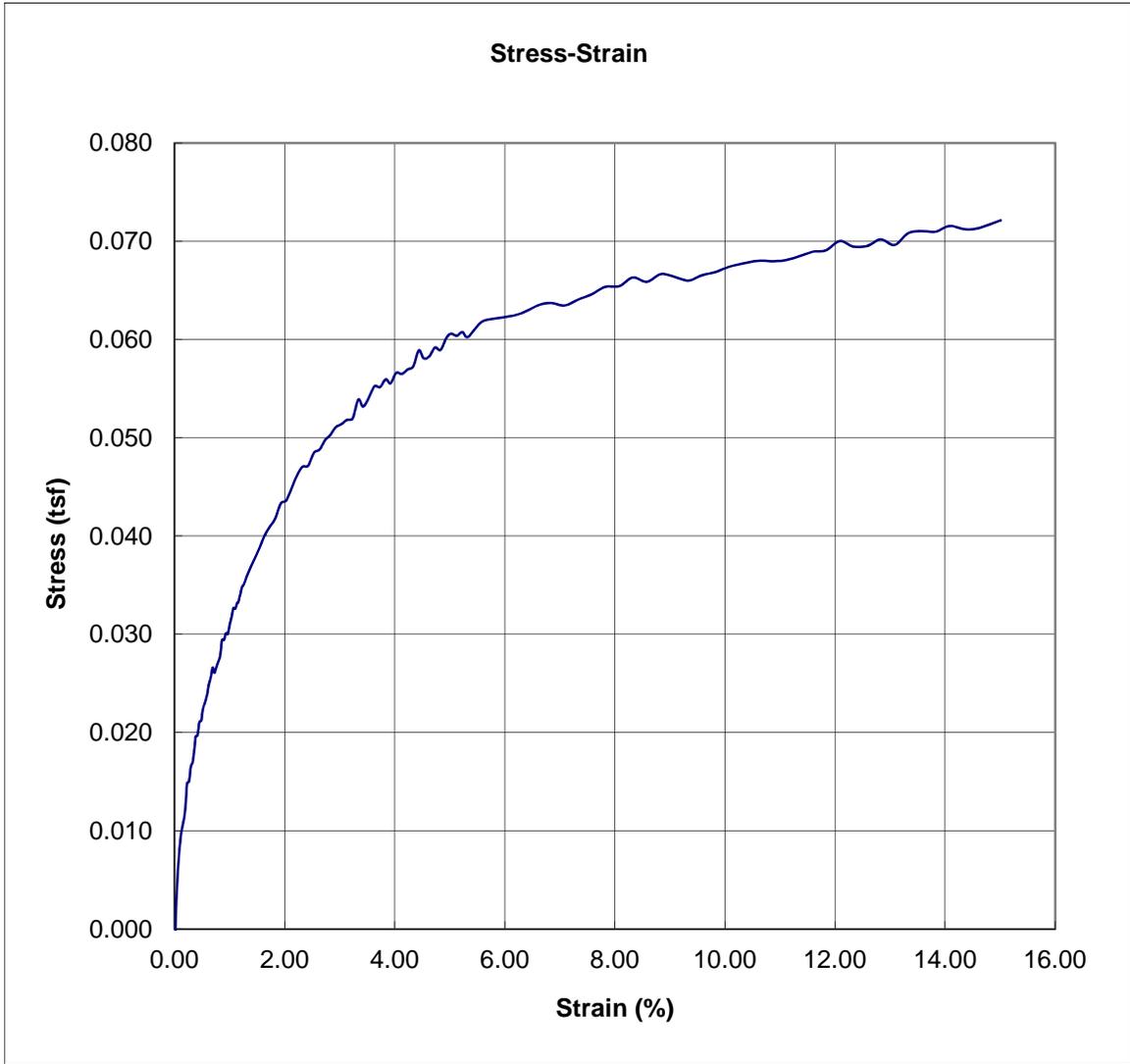
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	11:29:03 AM
Boring:	1	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	30
Diameter (inch):	2.84	Height (inch):	6
Piston Correction (lbs):	1.871499619	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	1:24:22 PM
Boring:	1	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	35
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	2.28480176	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/16/2011	Time:	8:50:55 AM
Boring:	1	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	40
Diameter (inch):	2.76	Height (inch):	6
Failure:	Yield	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/16/2011	Time:	9:09:29 AM
Boring:	1	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	45
Diameter (inch):	2.78	Height (inch):	6
Failure:	Yield	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	9:16:24 AM
Boring:	1	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	50
Diameter (inch):	2.8	Height (inch):	5.8
Failure:	Yield	Test Type:	UC



Project: 16715-020-00
Date: 6/9/2011
Boring: 2
Specimen: Specimen1
Diameter (inch): 2.77
Piston Correction (lbs): 9.30E-02
Failure: Bulge

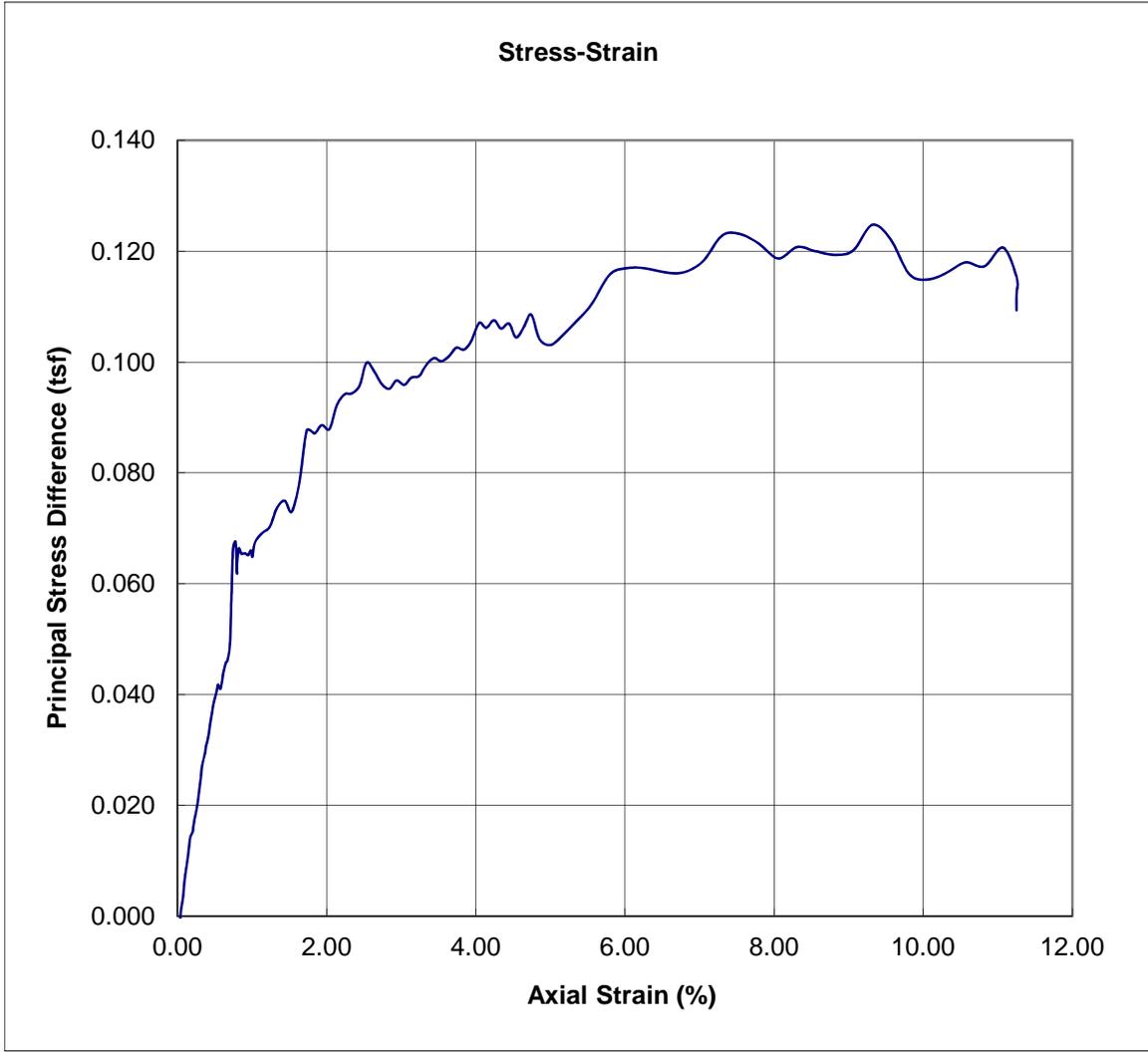
Load Frame Name: Load Frame
Time: 1:37:19 PM
Sample: Sample1
Depth (ft): 8
Height (inch): 5.93
Test Type: UU



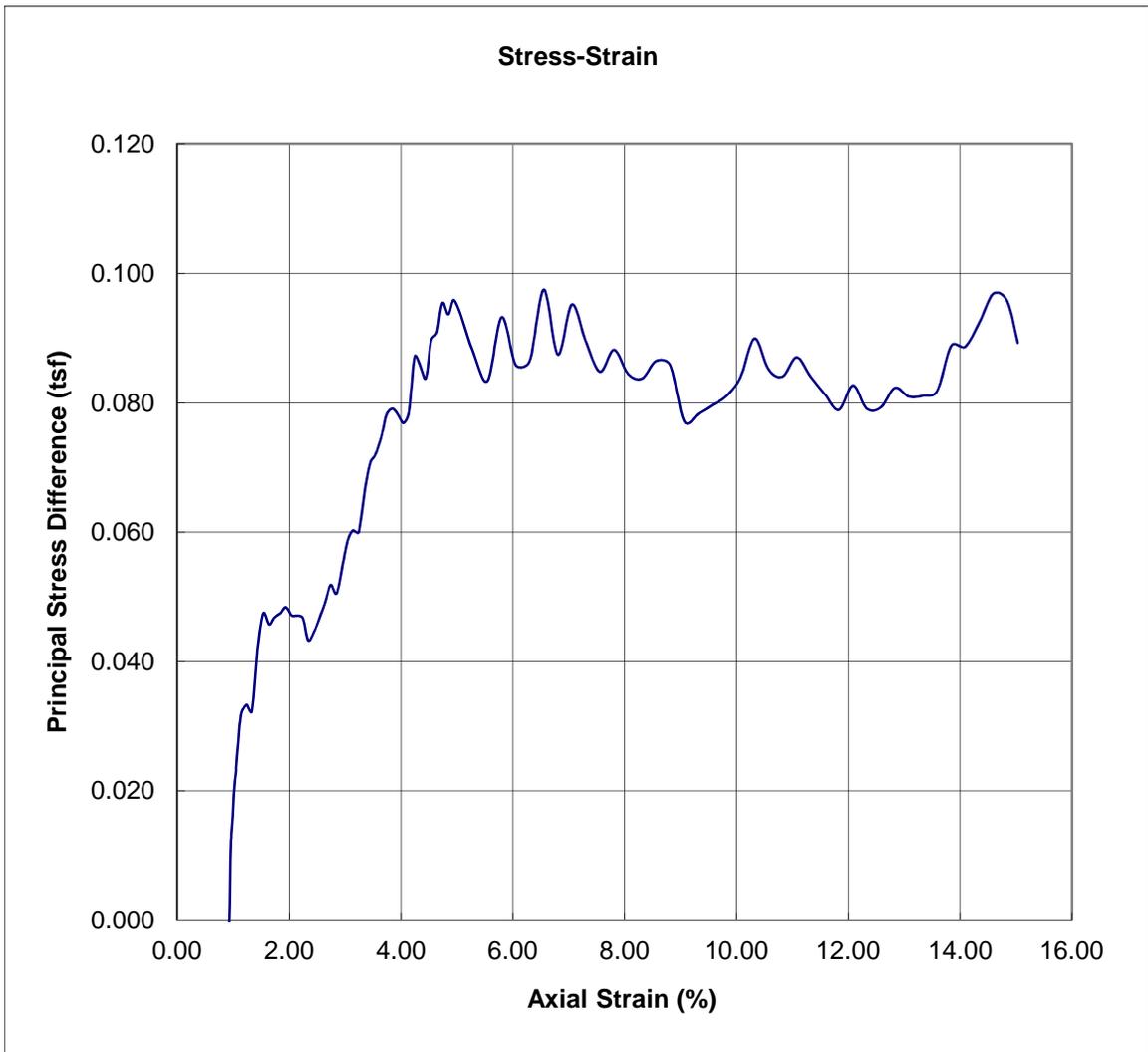
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	2:16:07 PM
Boring:	2	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	10
Diameter (inch):	2.73	Height (inch):	5.9
Piston Correction (lbs):	0.253052345	Test Type:	UU
Failure:	Bulge		



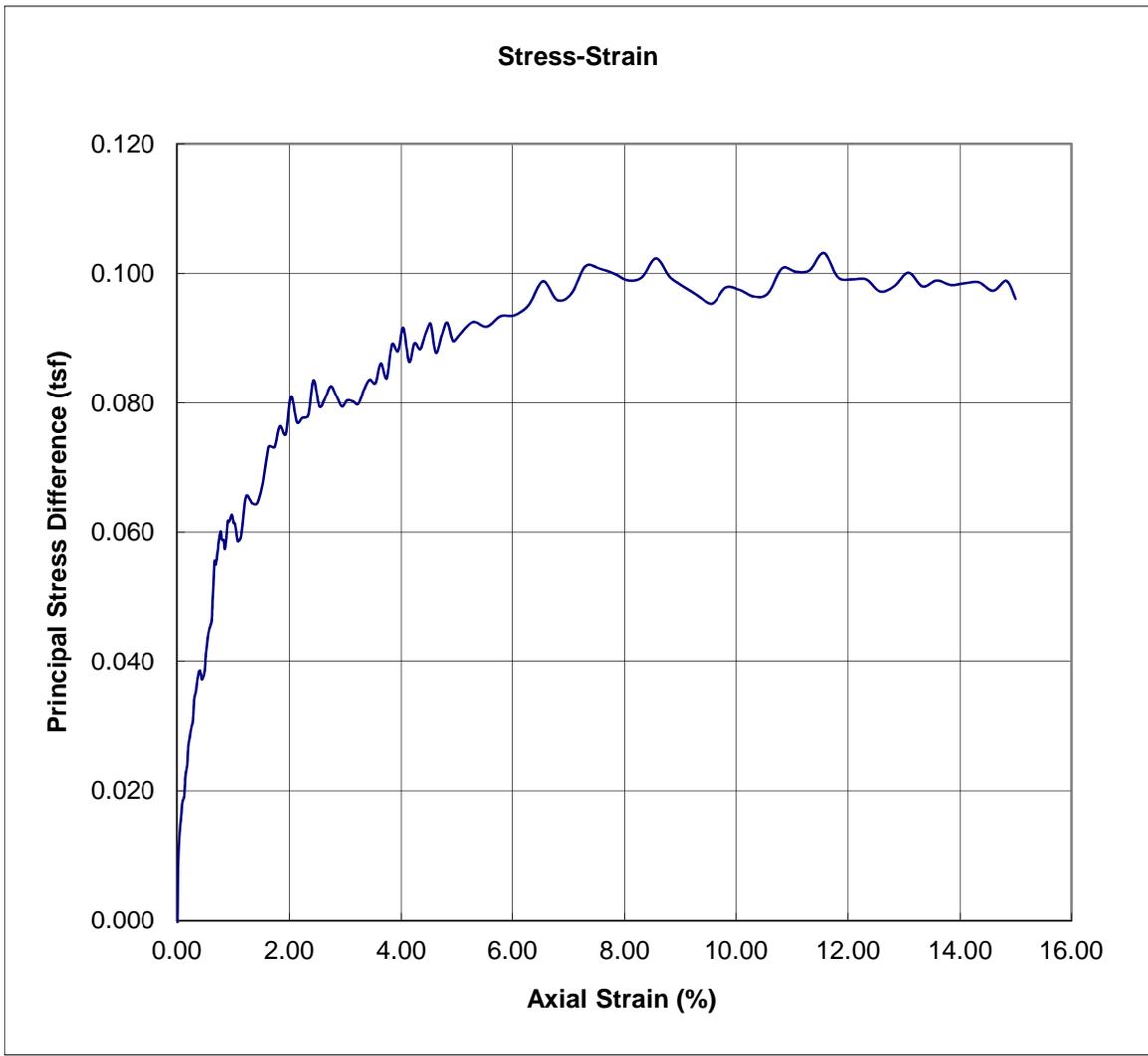
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	2:58:09 PM
Boring:	2	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	14
Diameter (inch):	2.77	Height (inch):	5.93
Piston Correction (lbs):	0.537653893	Test Type:	UU
Failure:	Bulge		



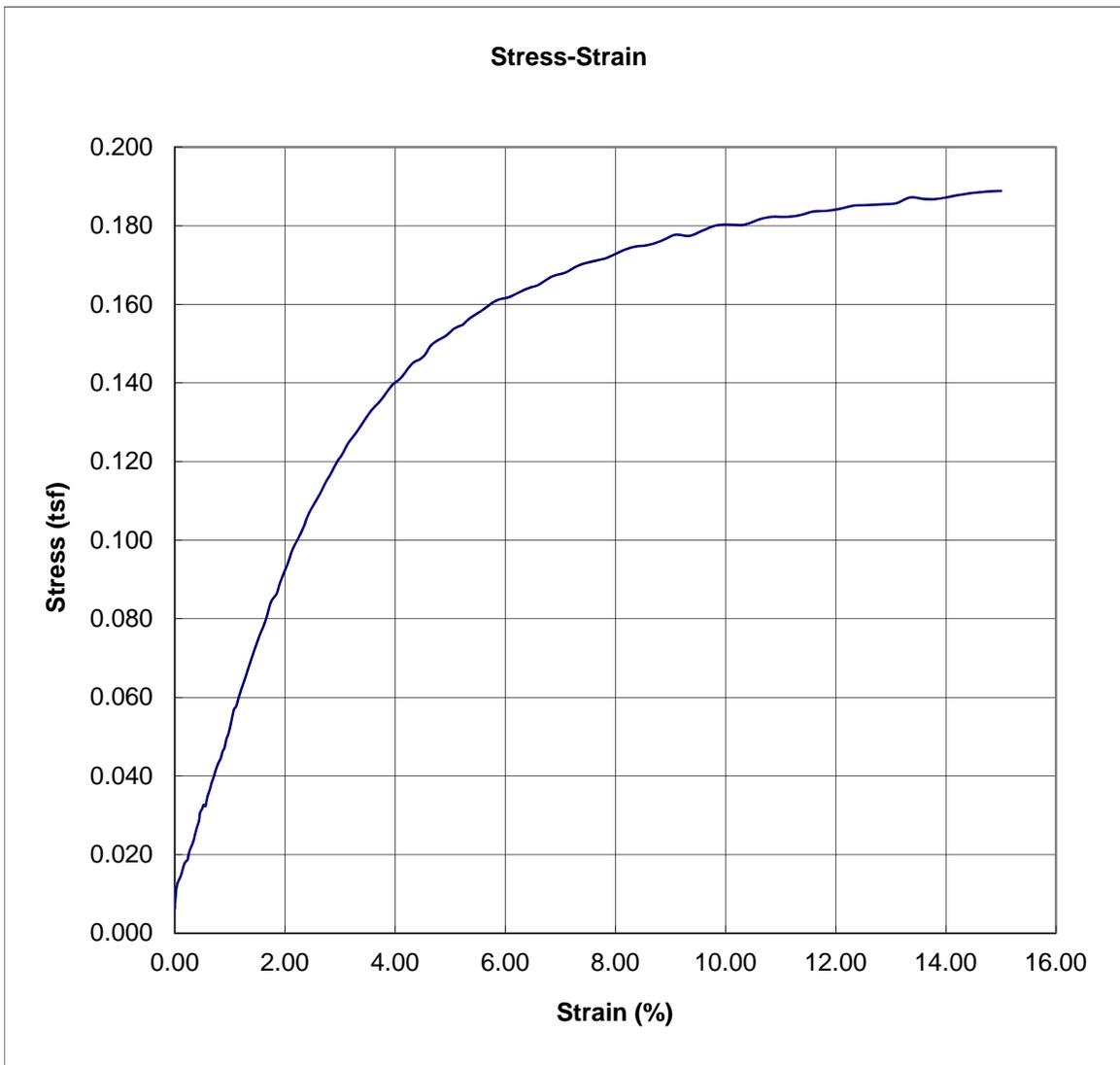
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	2:14:47 PM
Boring:	2	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	16
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	0.698697191	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	3:01:19 PM
Boring:	2	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	18
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	0.856323905	Test Type:	UU
Failure:	Bulge		

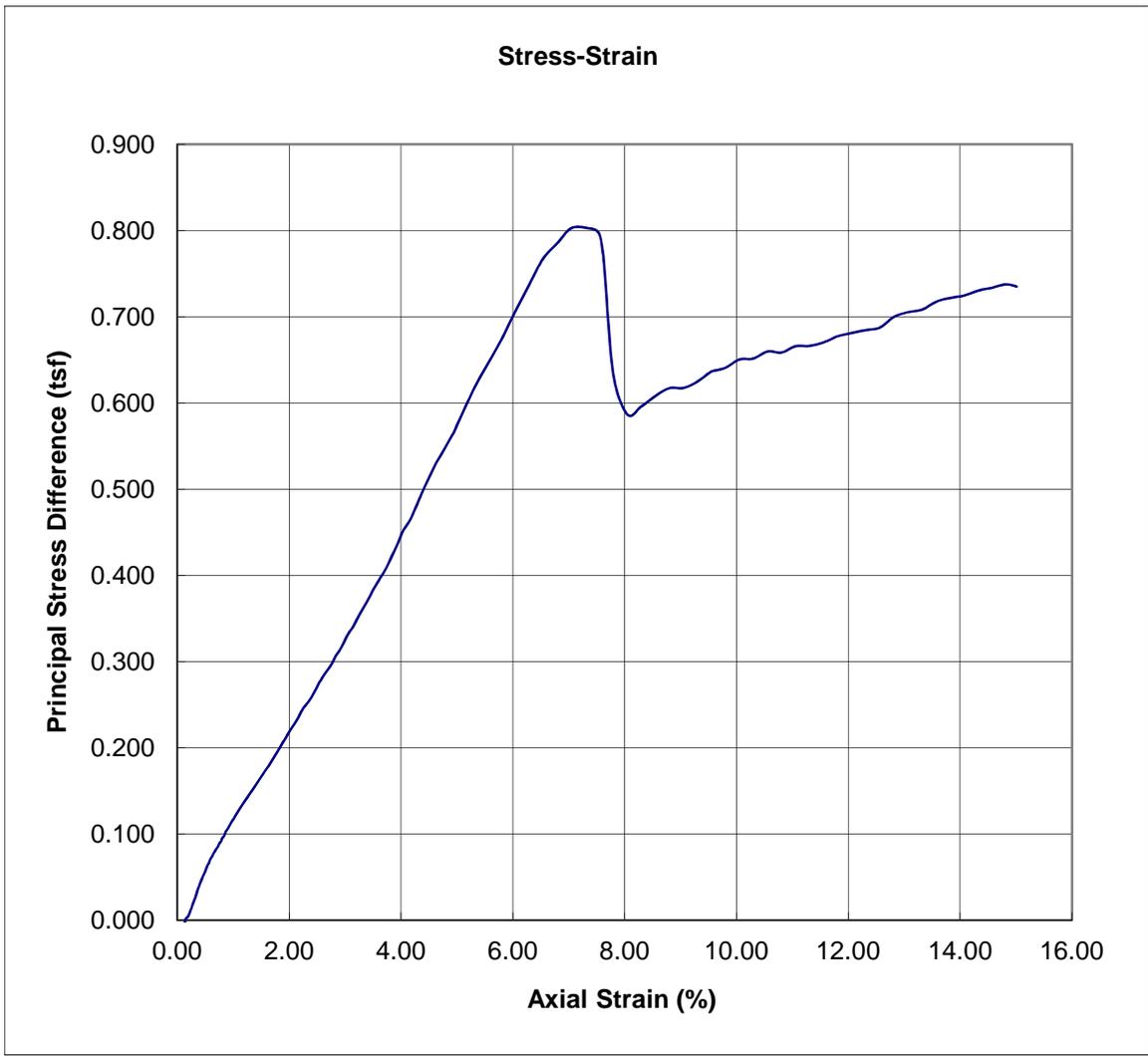


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	10:50:01 PM
Boring:	2	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	31
Diameter (inch):	2.88	Height (inch):	6.03
Failure:	Yield	Test Type:	UC



Project: 16715-020-00
Date: 6/9/2011
Boring: 2
Specimen: Specimen1
Diameter (inch): 2.77
Piston Correction (lbs): 2.303606824
Failure: Bulge

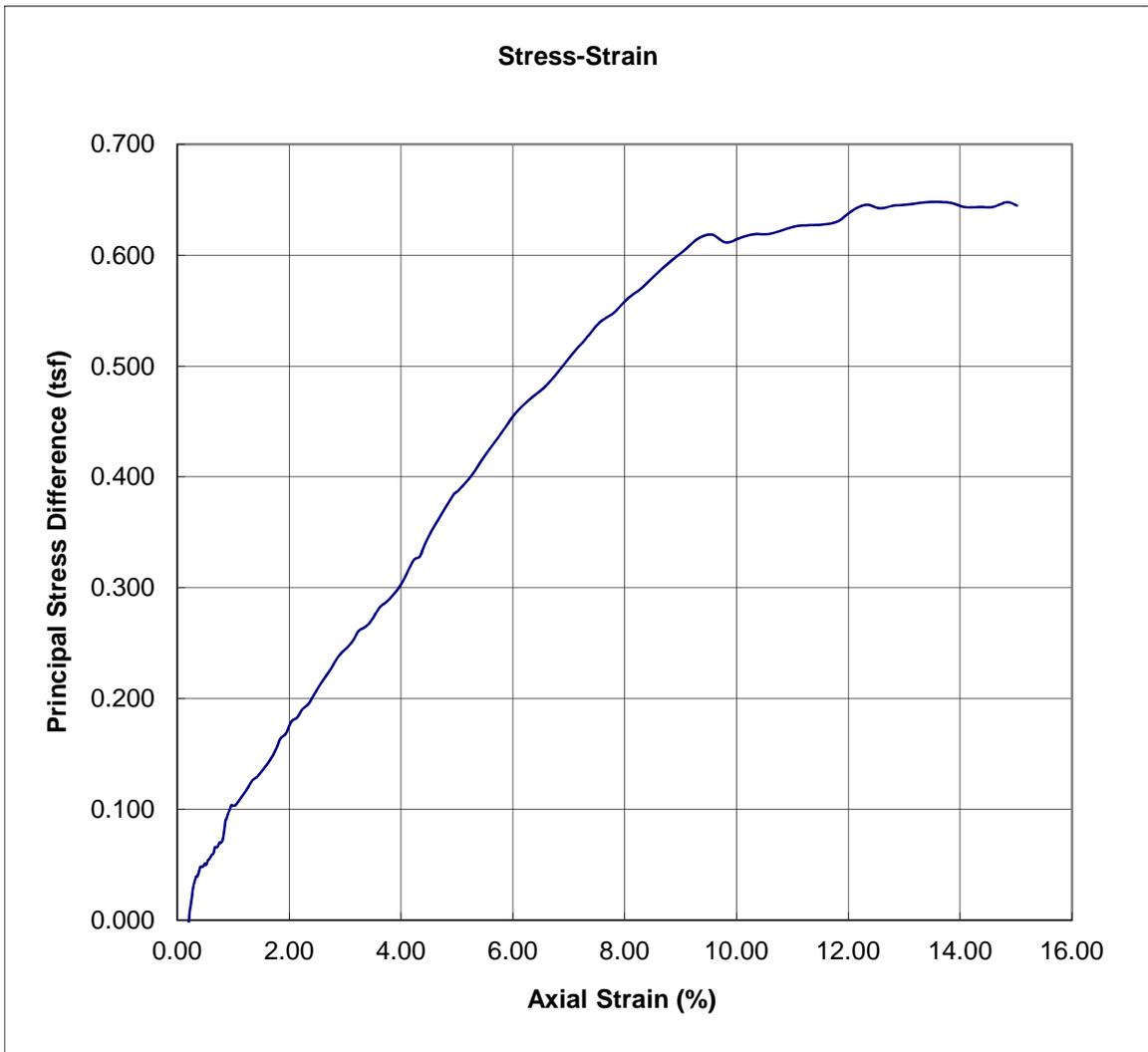
Load Frame Name: Load Frame
Time: 11:21:11 PM
Sample: Sample1
Depth (ft): 36
Height (inch): 6.08
Test Type: UU



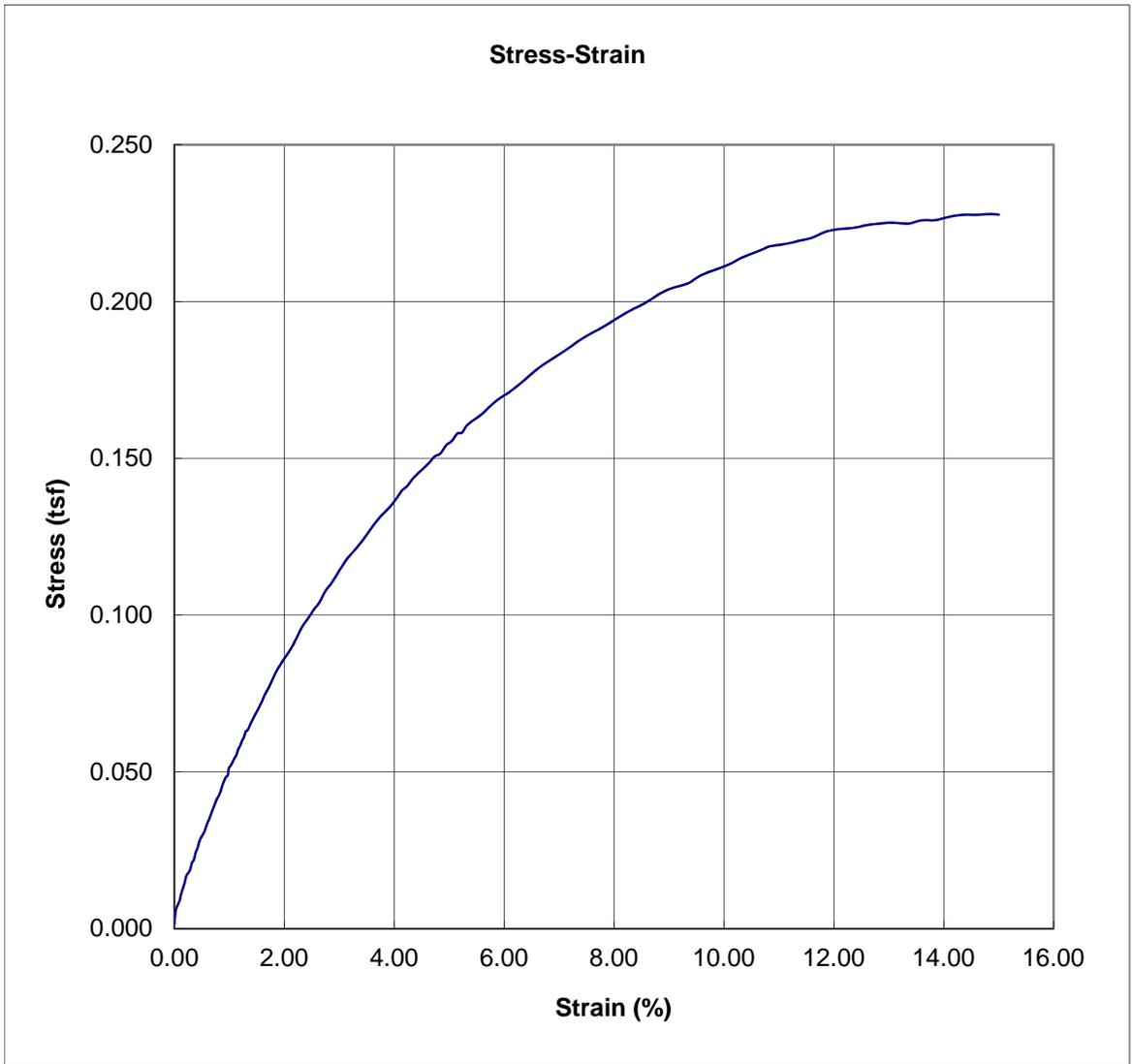
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	12:30:58 AM
Boring:	2	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	41
Diameter (inch):	2.88	Height (inch):	5.58
Failure:	Yield	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	12:05:09 AM
Boring:	2	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	46
Diameter (inch):	2.83	Height (inch):	5.6
Piston Correction (lbs):	3.068460815	Test Type:	UU
Failure:	Bulge		

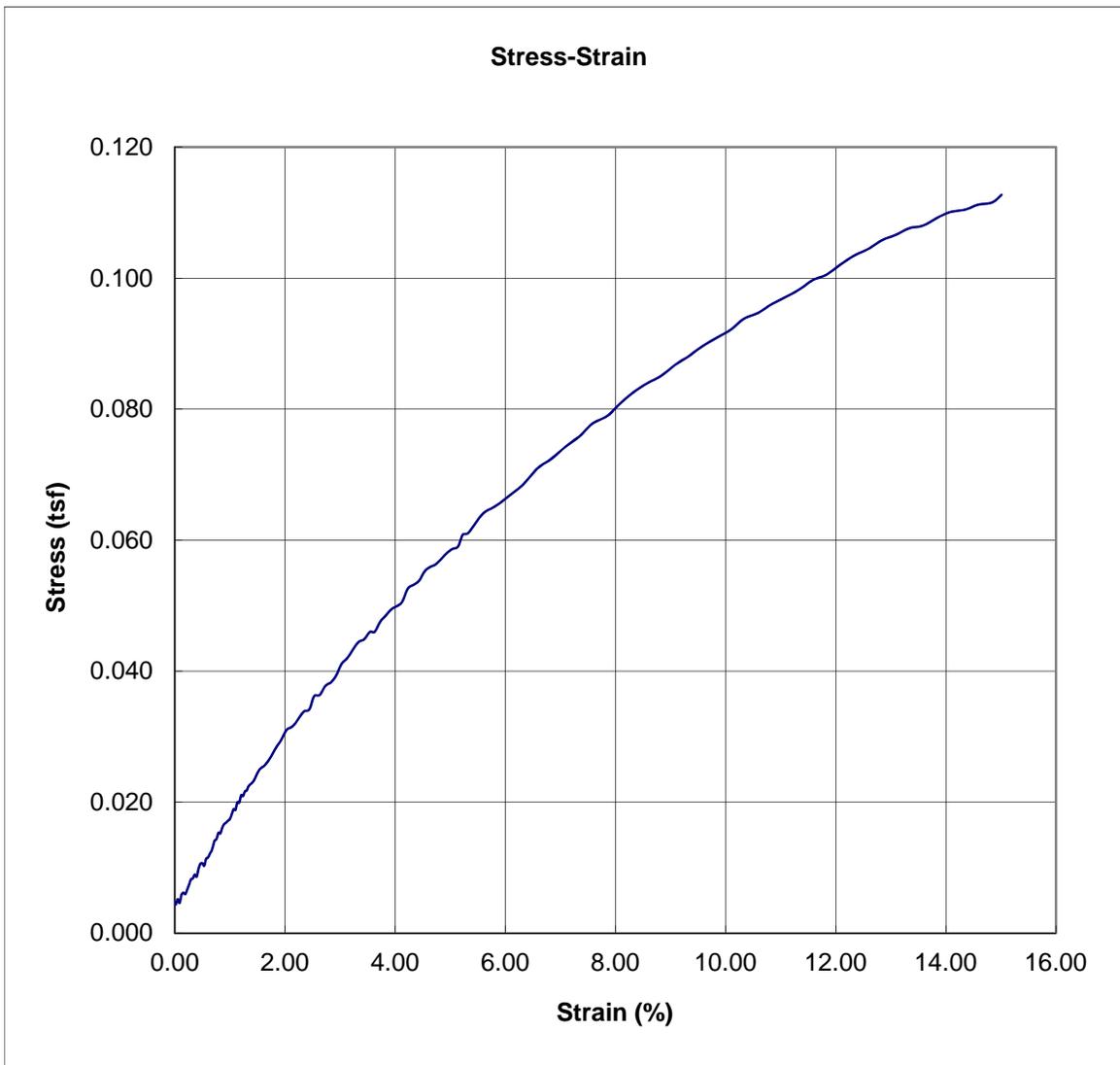


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	12:45:15 AM
Boring:	2	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	51
Diameter (inch):	2.88	Height (inch):	6
Failure:	Yield	Test Type:	UC

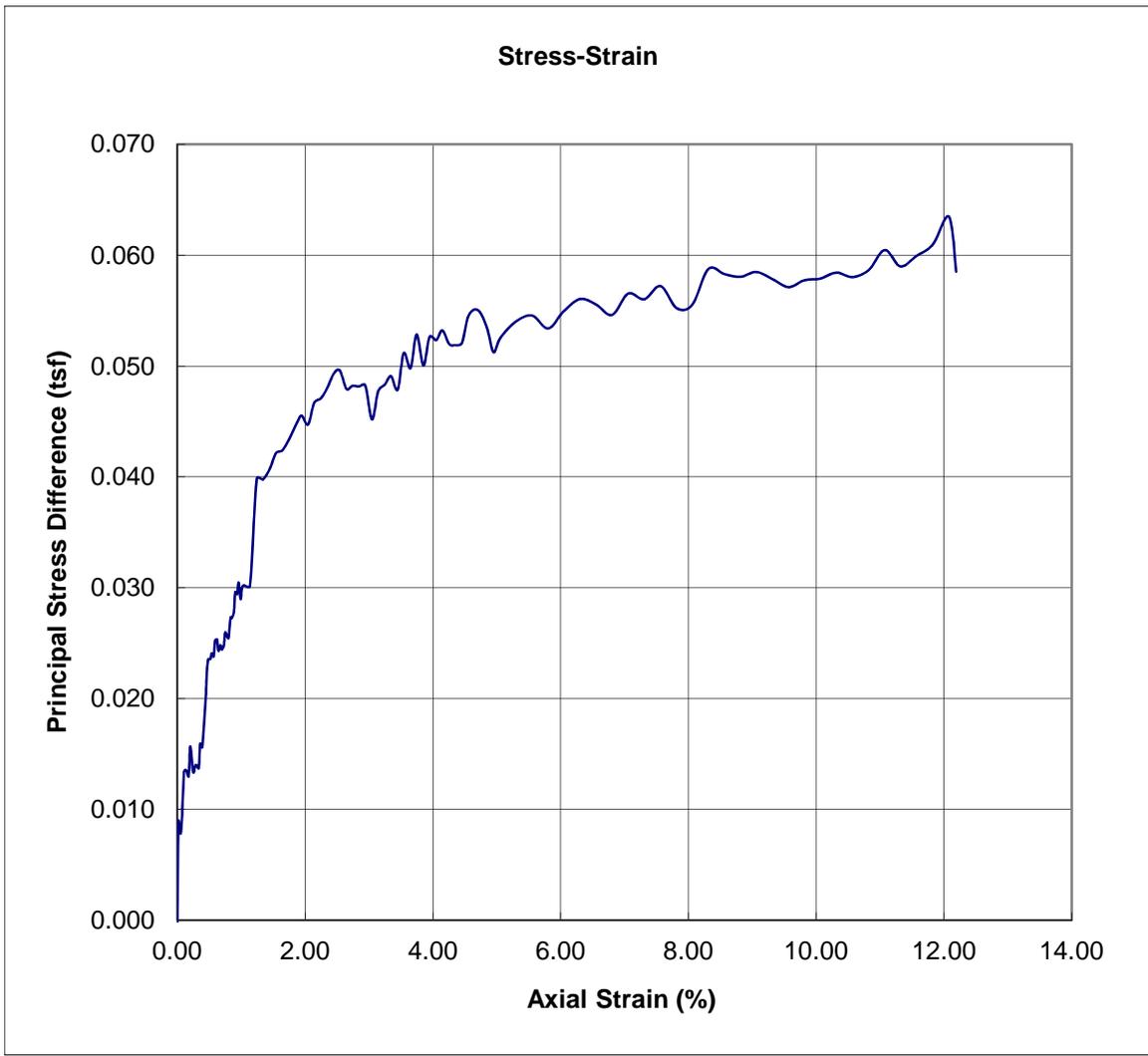


Project: 16715-020-00
Date: 6/10/2011
Boring: 2
Specimen: Specimen1
Diameter (inch): 2.88
Failure: Yield

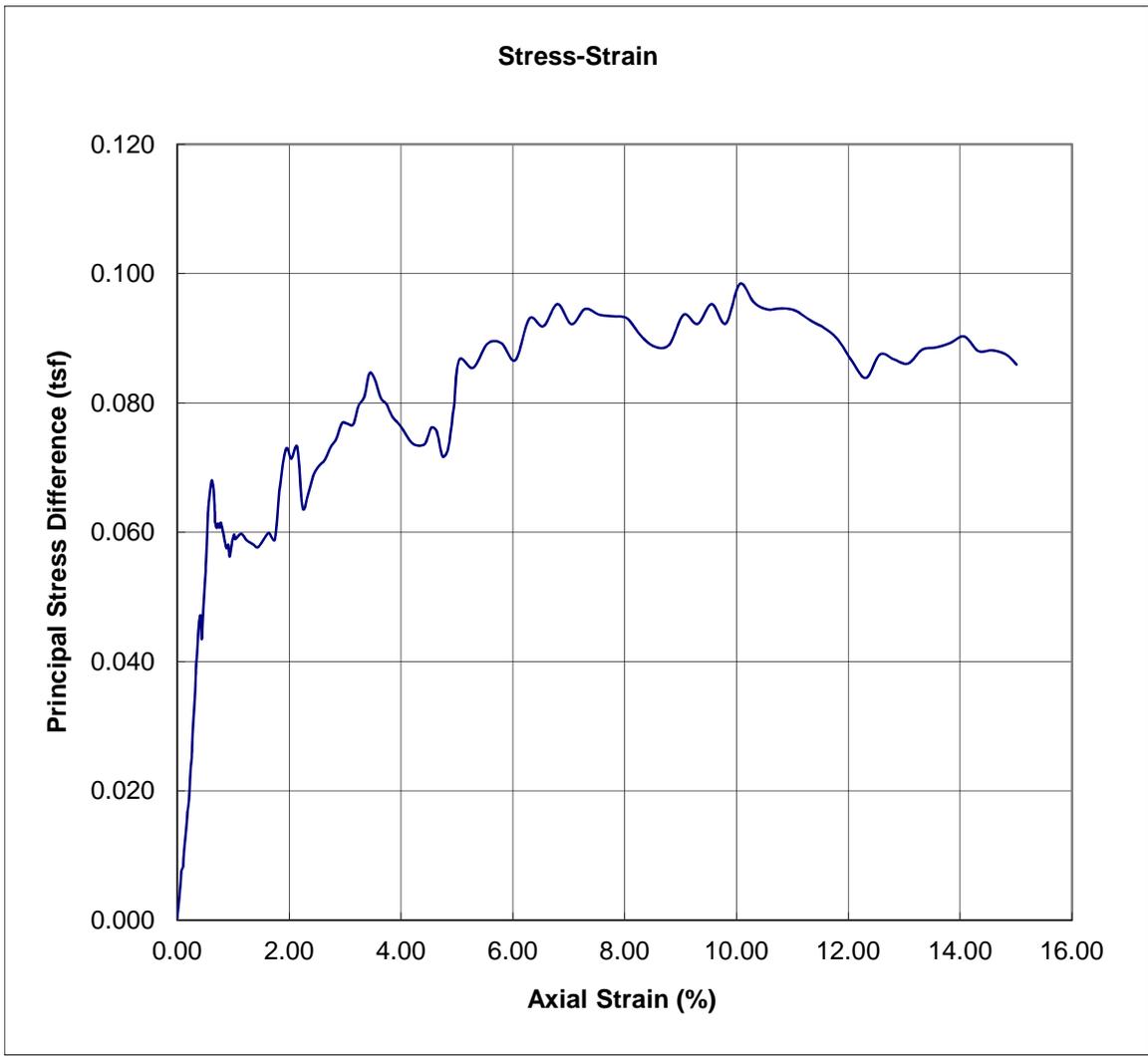
Load Frame Name: Load Frame
Time: 12:56:45 AM
Sample: Sample1
Depth (ft): 56
Height (inch): 5.94
Test Type: UC



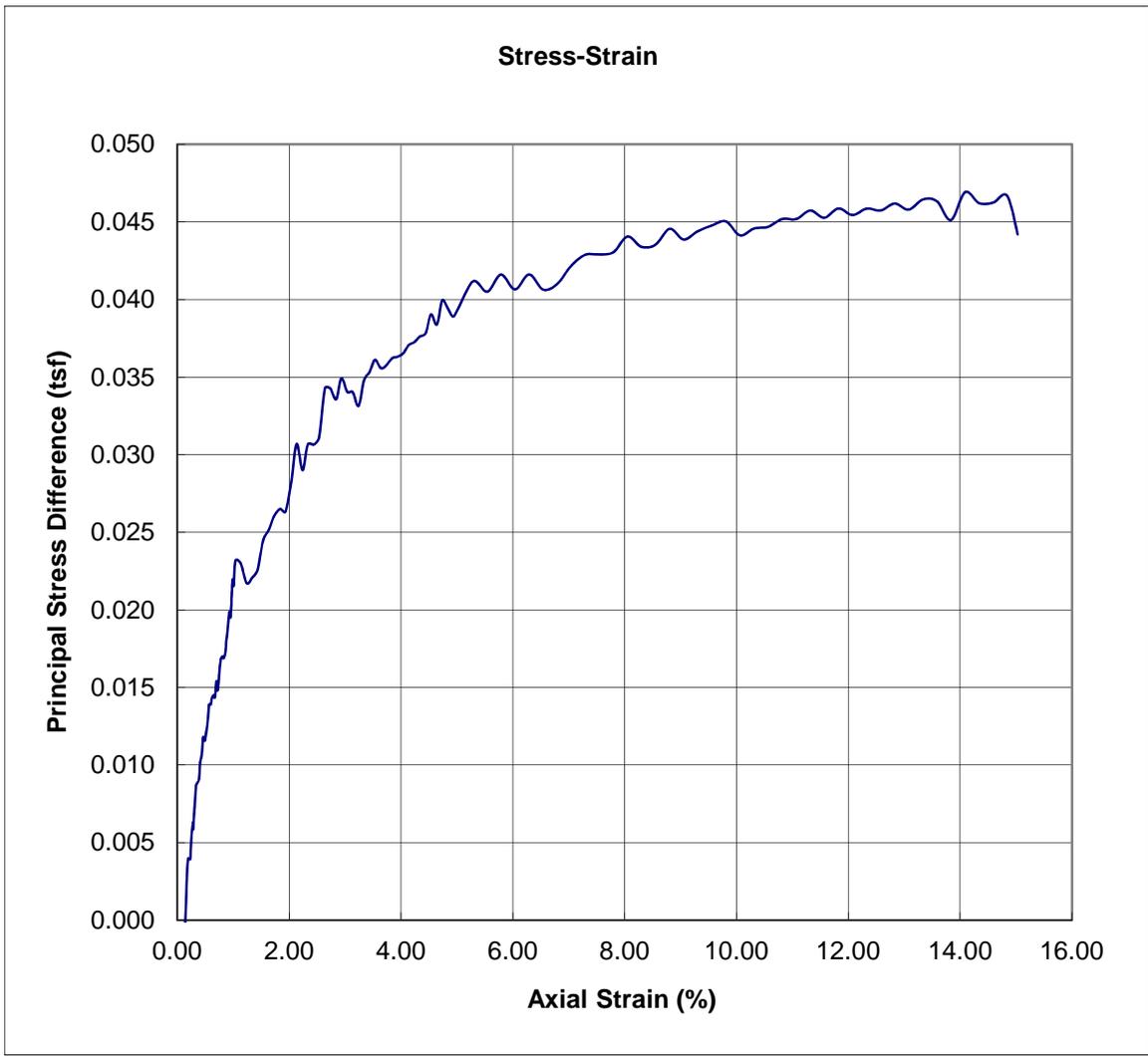
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	4:08:34 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	8
Diameter (inch):	2.79	Height (inch):	5.5
Piston Correction (lbs):	0.227543301	Test Type:	UU
Failure:	Bulge		



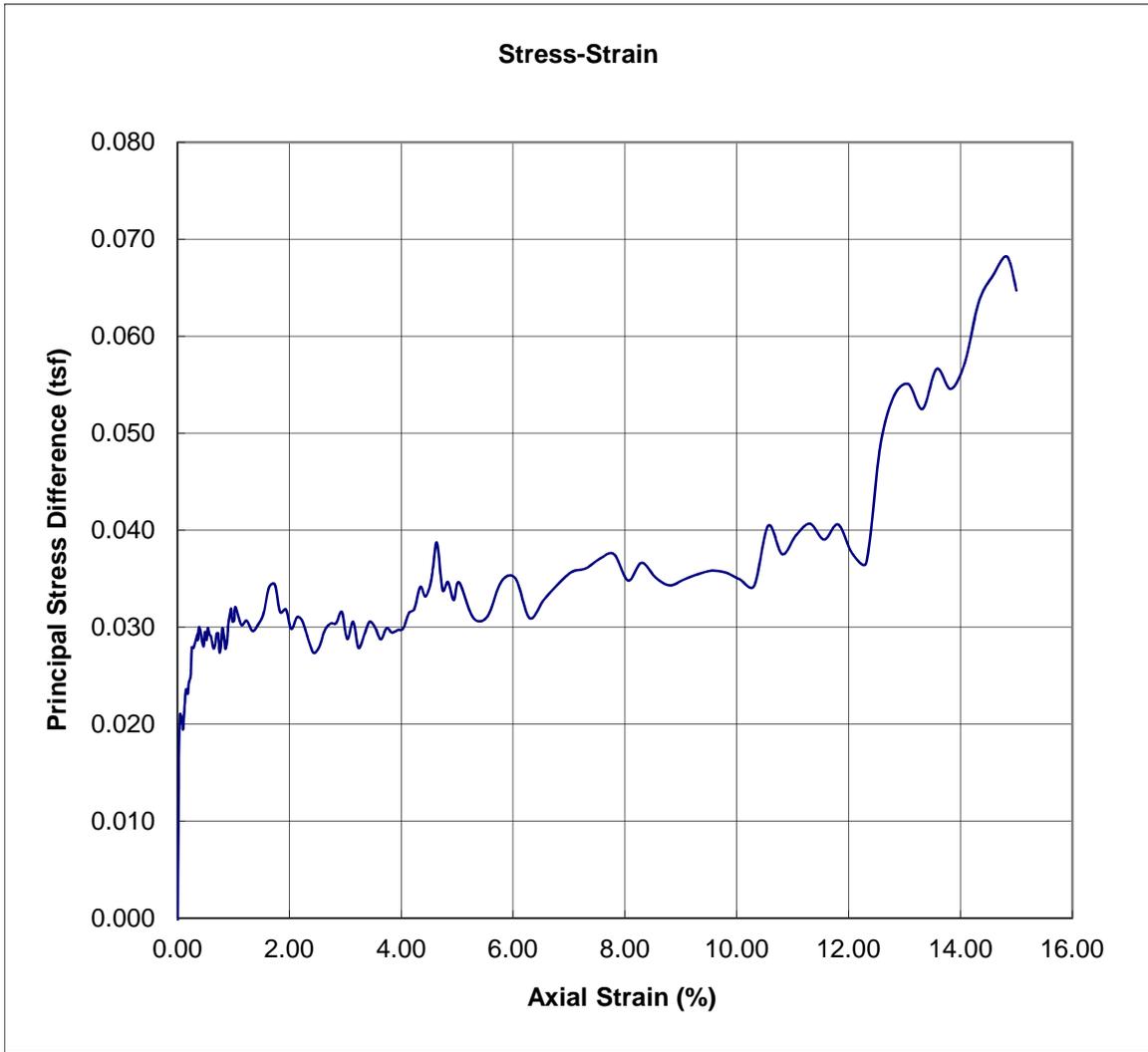
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	5:42:27 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	10
Diameter (inch):	2.71	Height (inch):	5.07
Piston Correction (lbs):	0.390881135	Test Type:	UU
Failure:	Bulge		



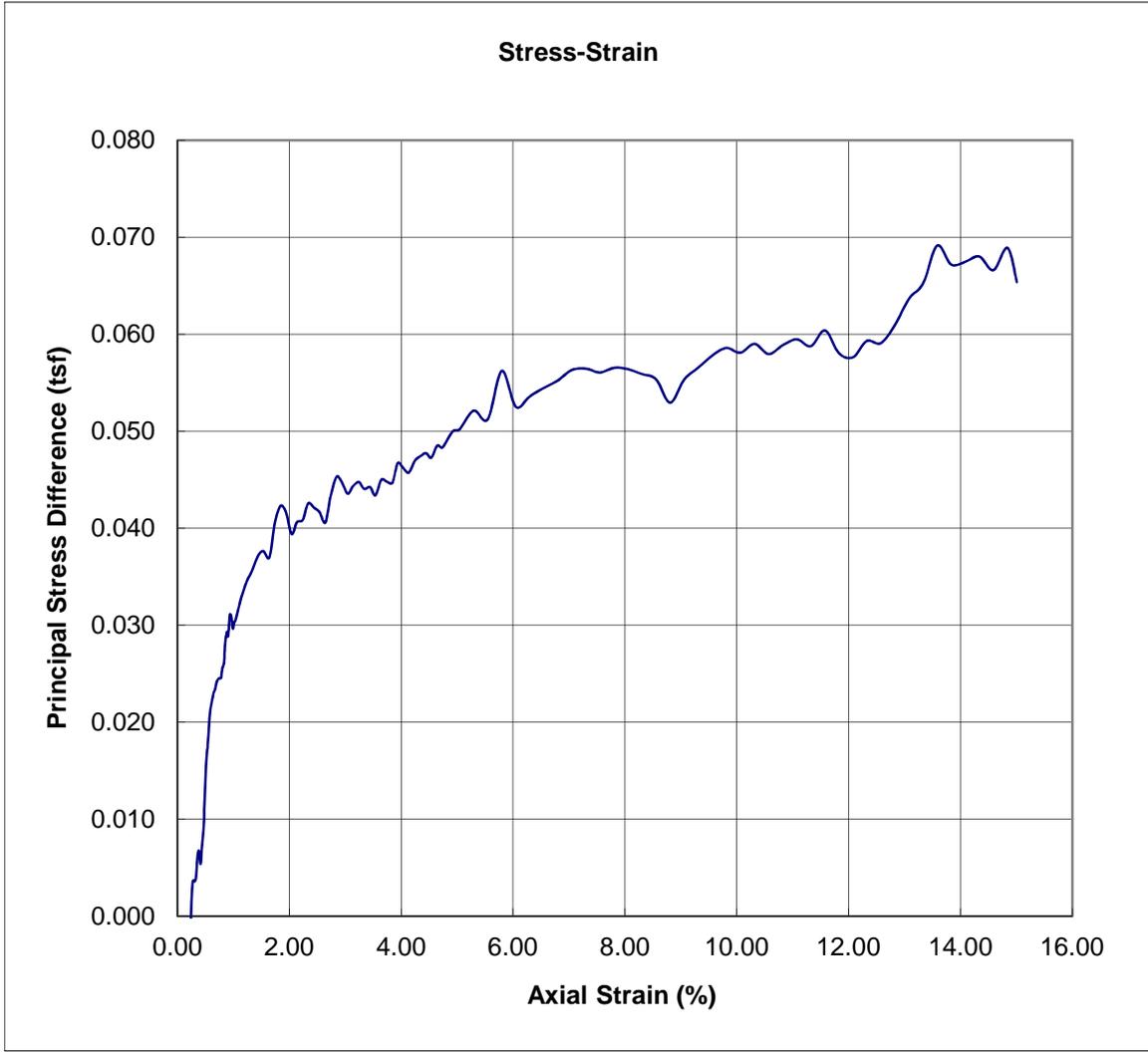
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	6:26:44 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	12
Diameter (inch):	2.8	Height (inch):	6.03
Piston Correction (lbs):	0.540991405	Test Type:	UU
Failure:	Bulge		



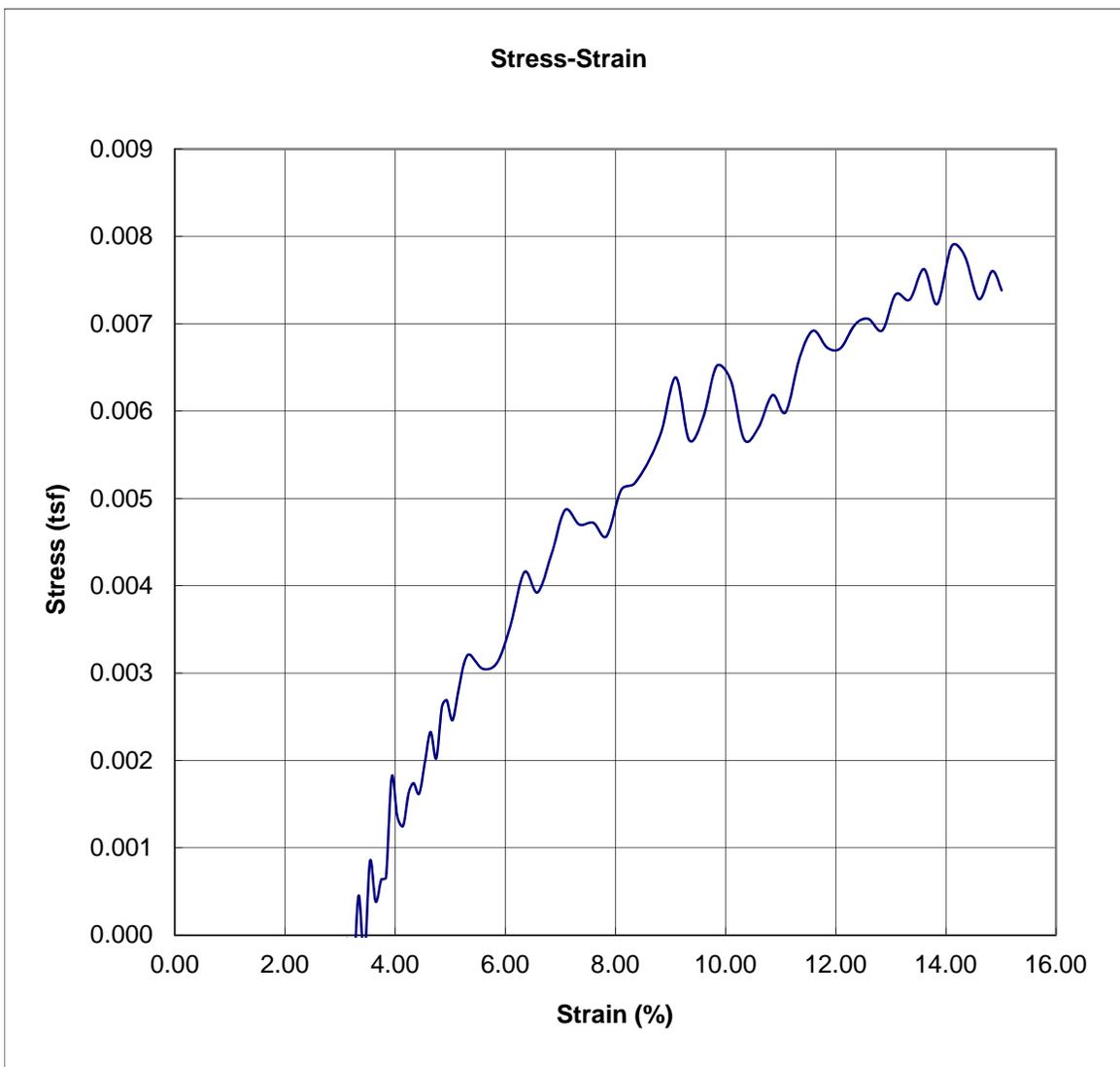
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	4:10:01 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	14
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	0.71219051	Test Type:	UU
Failure:	Yield		



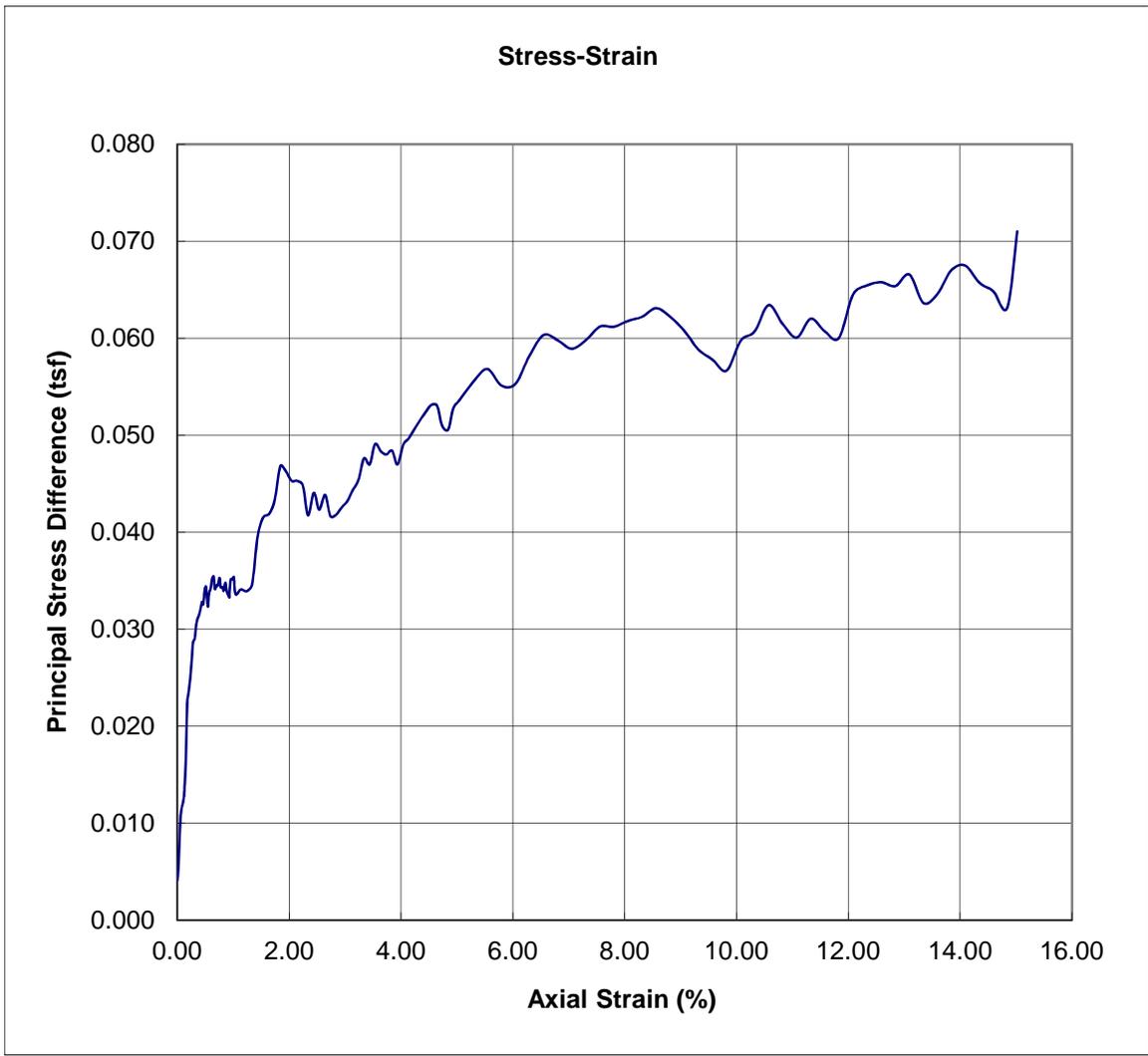
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	7:15:24 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	16
Diameter (inch):	2.68	Height (inch):	4.51
Piston Correction (lbs):	0.859779795	Test Type:	UU
Failure:	Bulge		



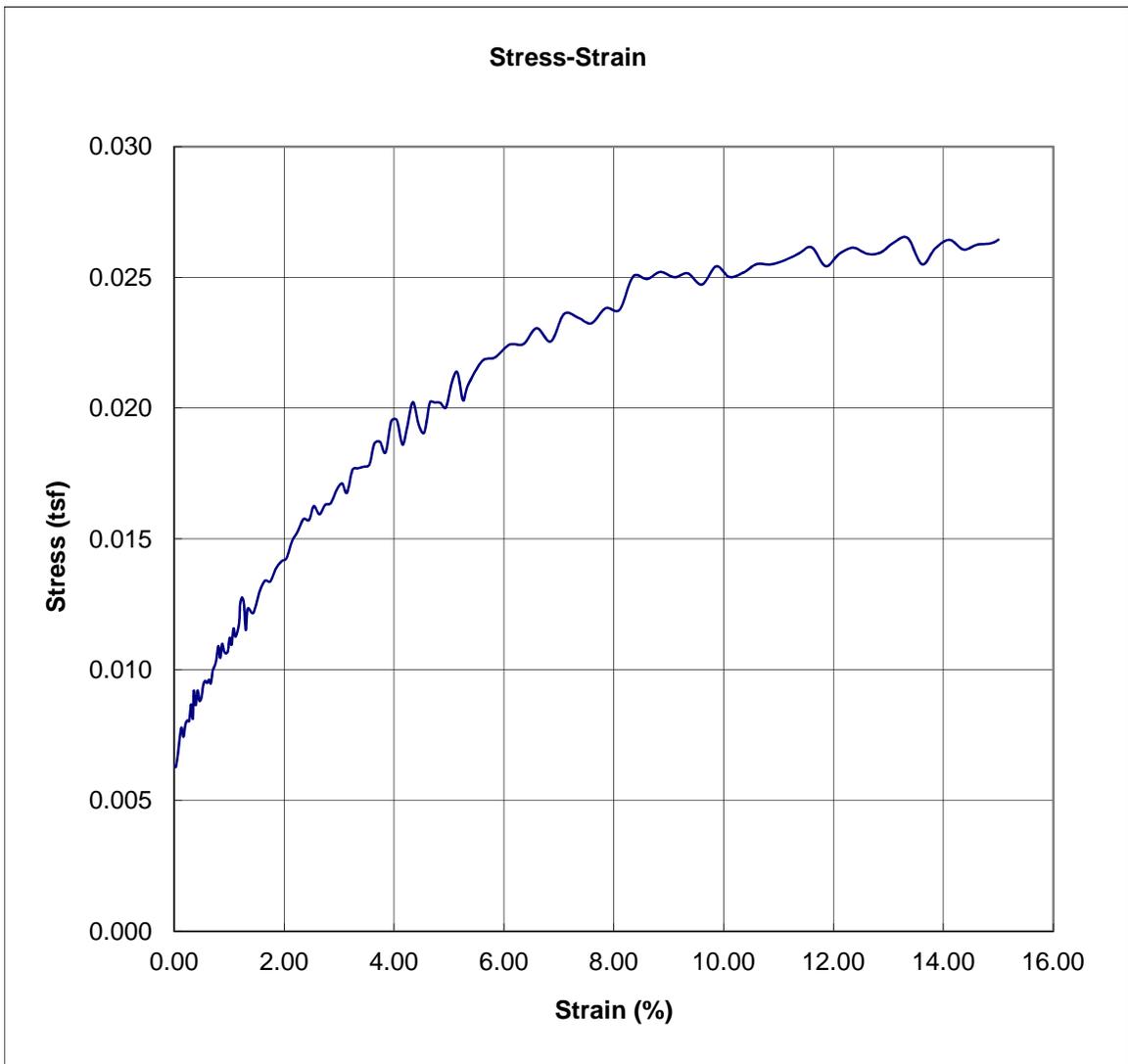
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	8:23:18 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	18
Diameter (inch):	2.94	Height (inch):	5.91
Failure:	Multiple Shear	Test Type:	UC



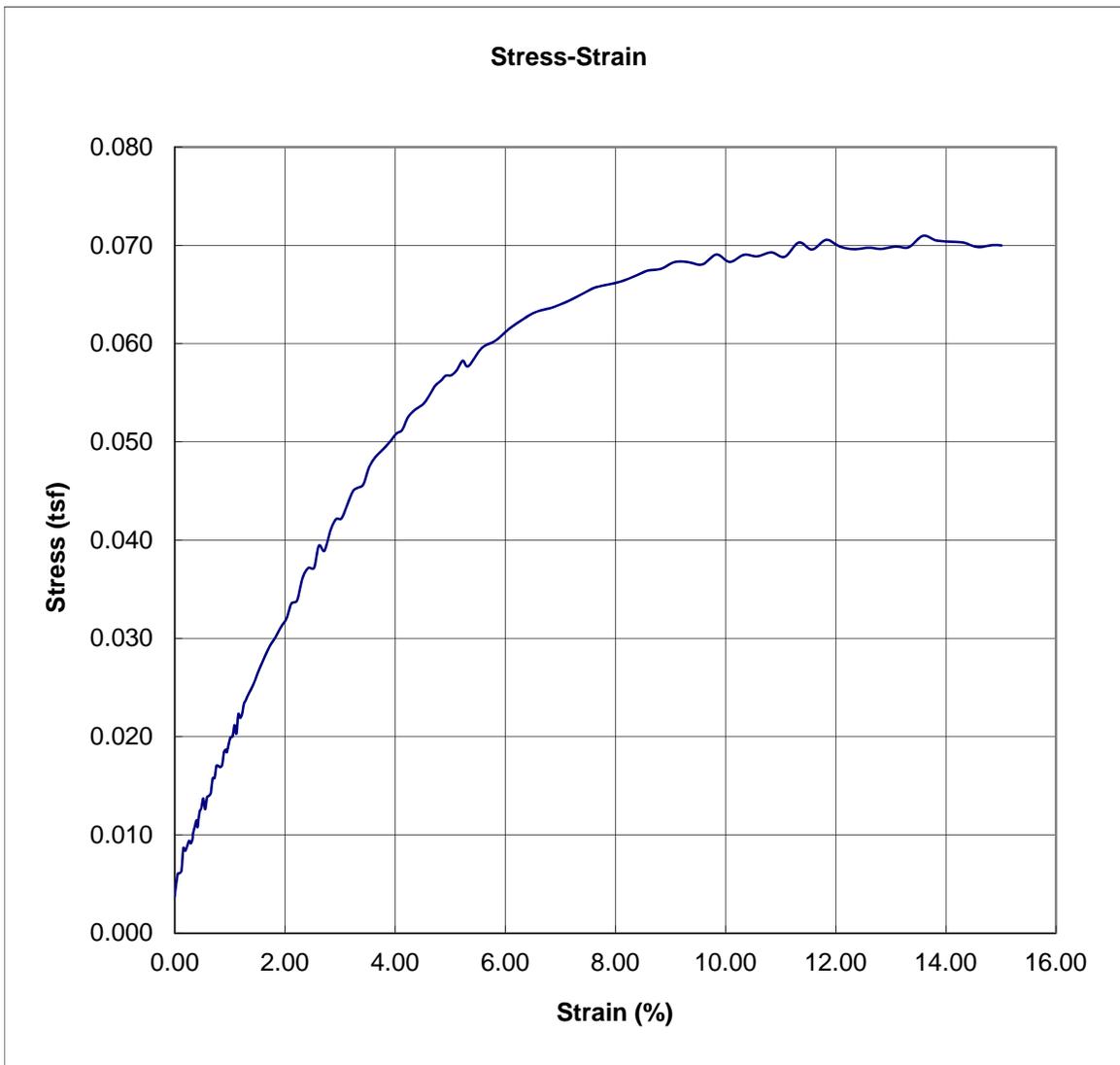
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	7:57:50 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	20
Diameter (inch):	2.79	Height (inch):	6
Piston Correction (lbs):	1.181312432	Test Type:	UU
Failure:	Yield		



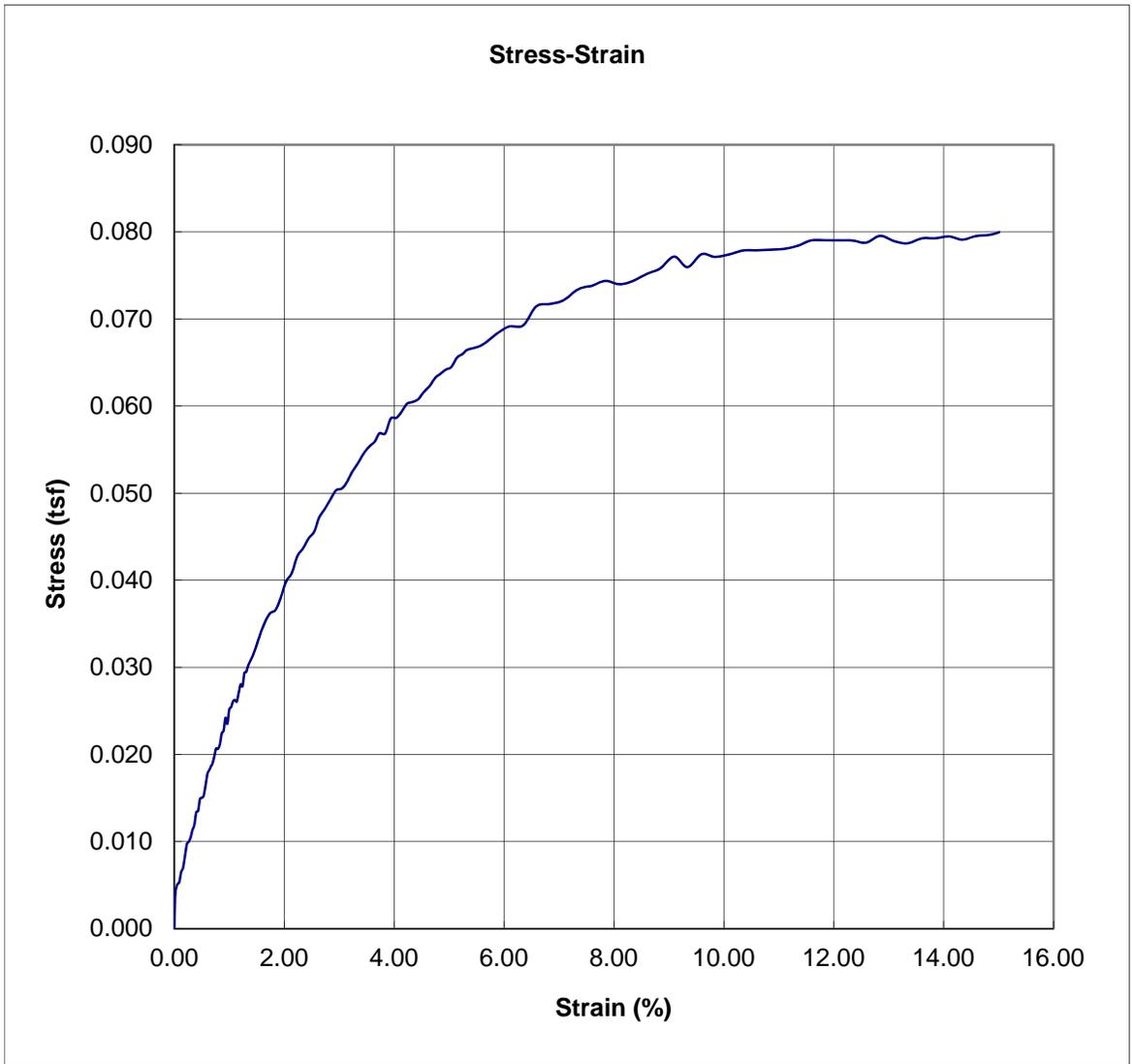
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	8:42:07 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	22
Diameter (inch):	2.88	Height (inch):	6.02
Failure:	Multiple Shear	Test Type:	UC



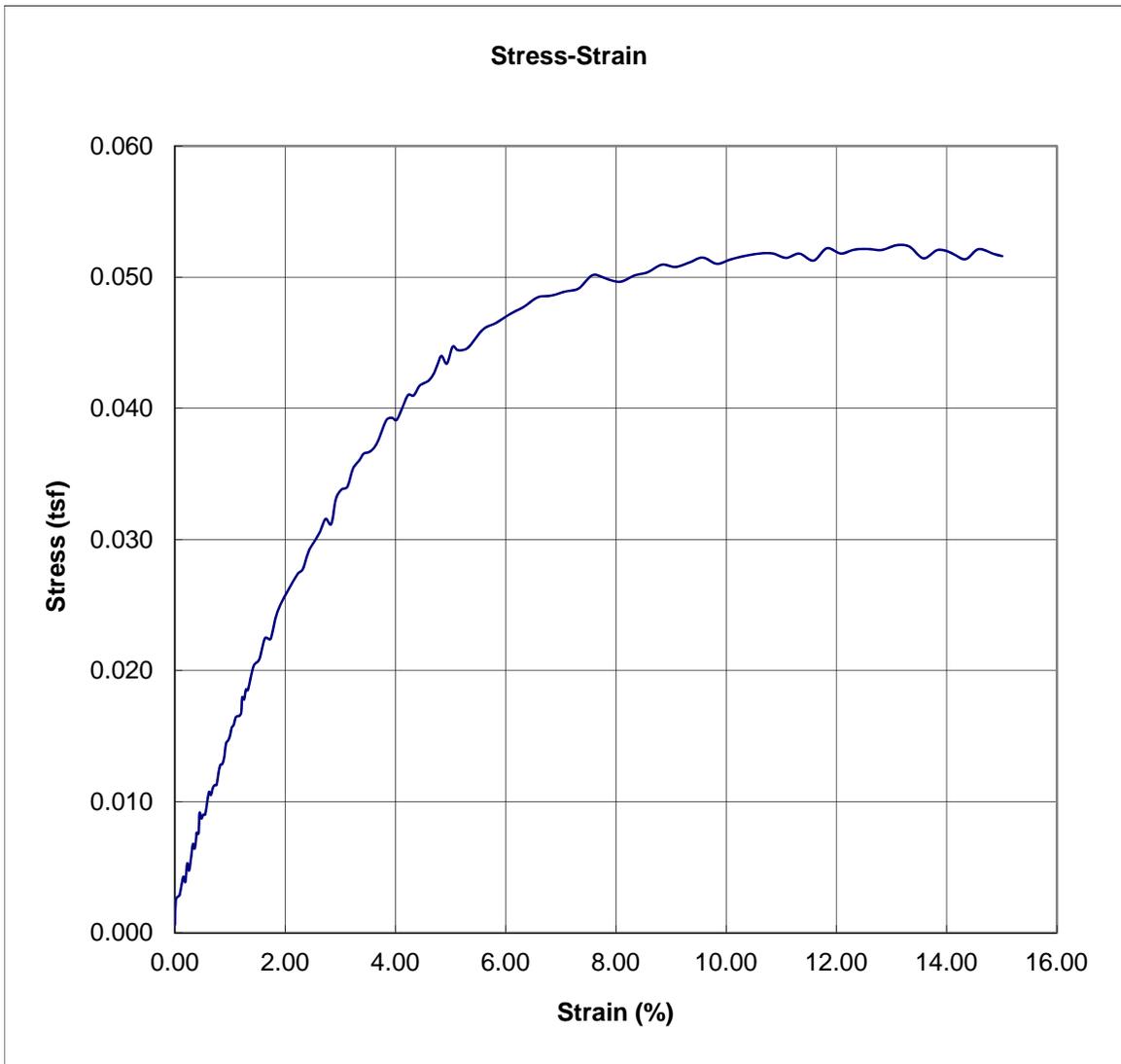
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	8:58:16 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	29
Diameter (inch):	2.86	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



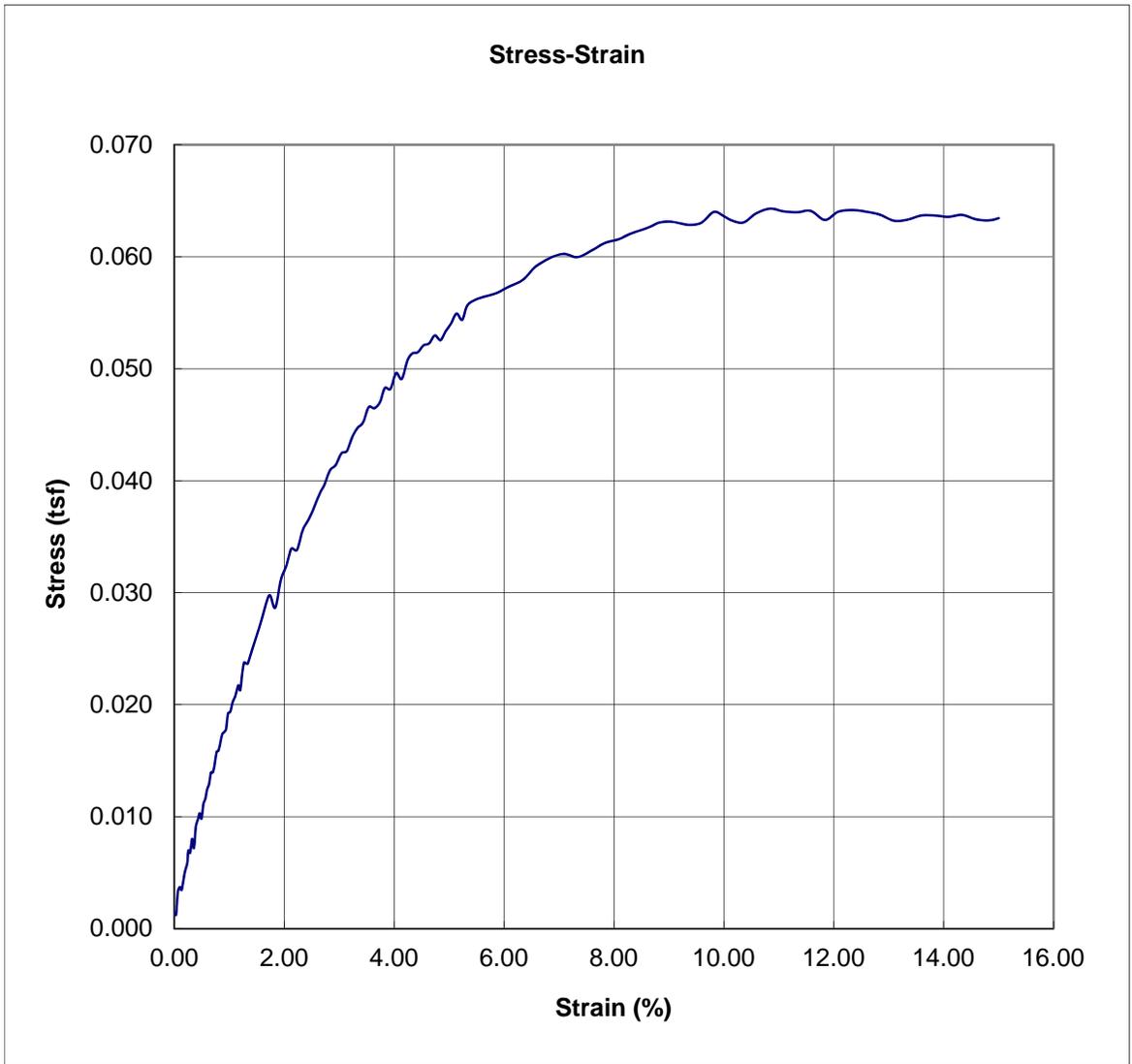
Project:	16710-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	9:15:56 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	34
Diameter (inch):	2.84	Height (inch):	6.03
Failure:	Yield	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	9:30:36 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	39
Diameter (inch):	2.88	Height (inch):	5.99
Failure:	Multiple Shear	Test Type:	UC



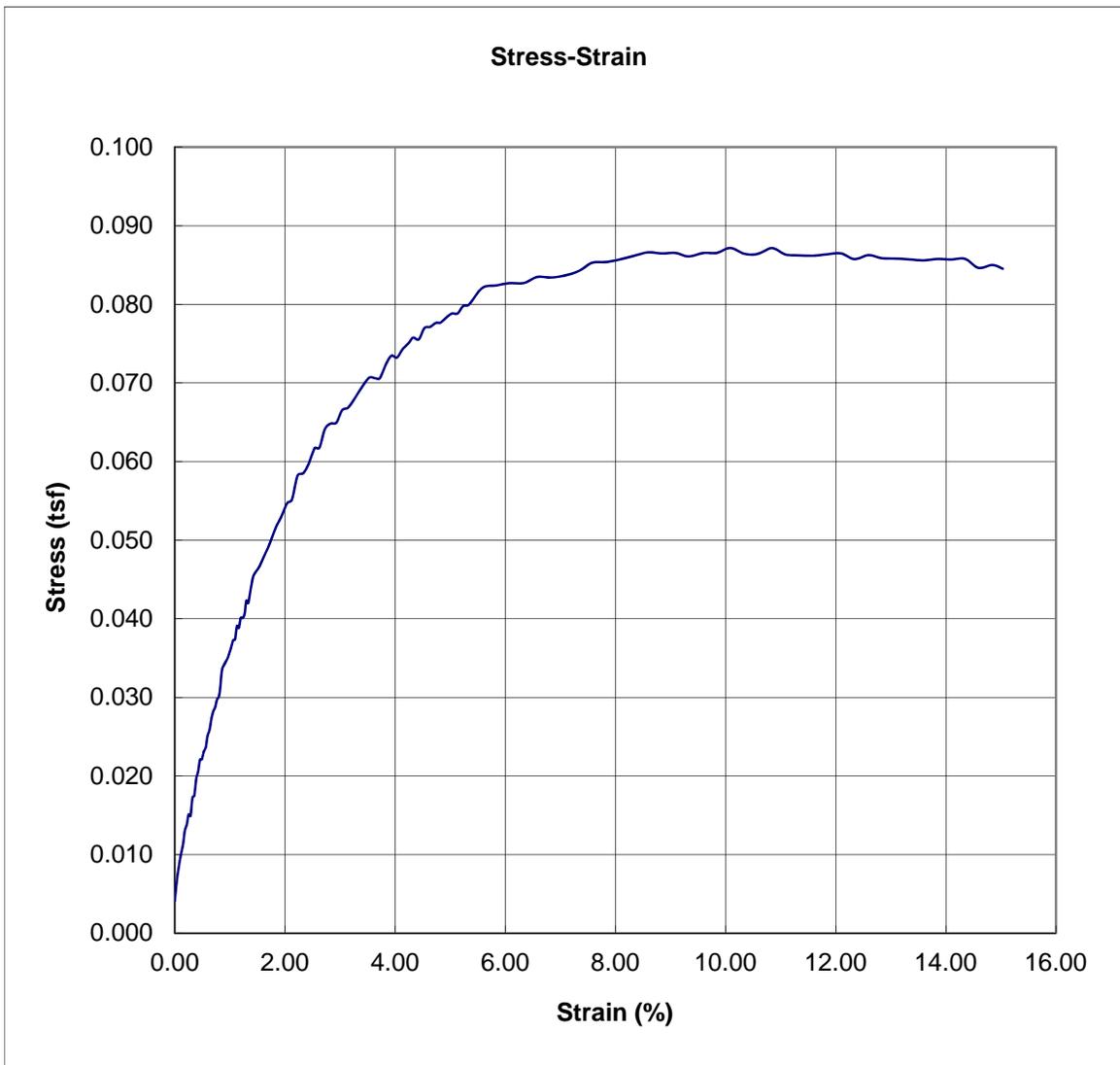
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	9:46:19 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	44
Diameter (inch):	2.88	Height (inch):	5.98
Failure:	Multiple Shear	Test Type:	UC



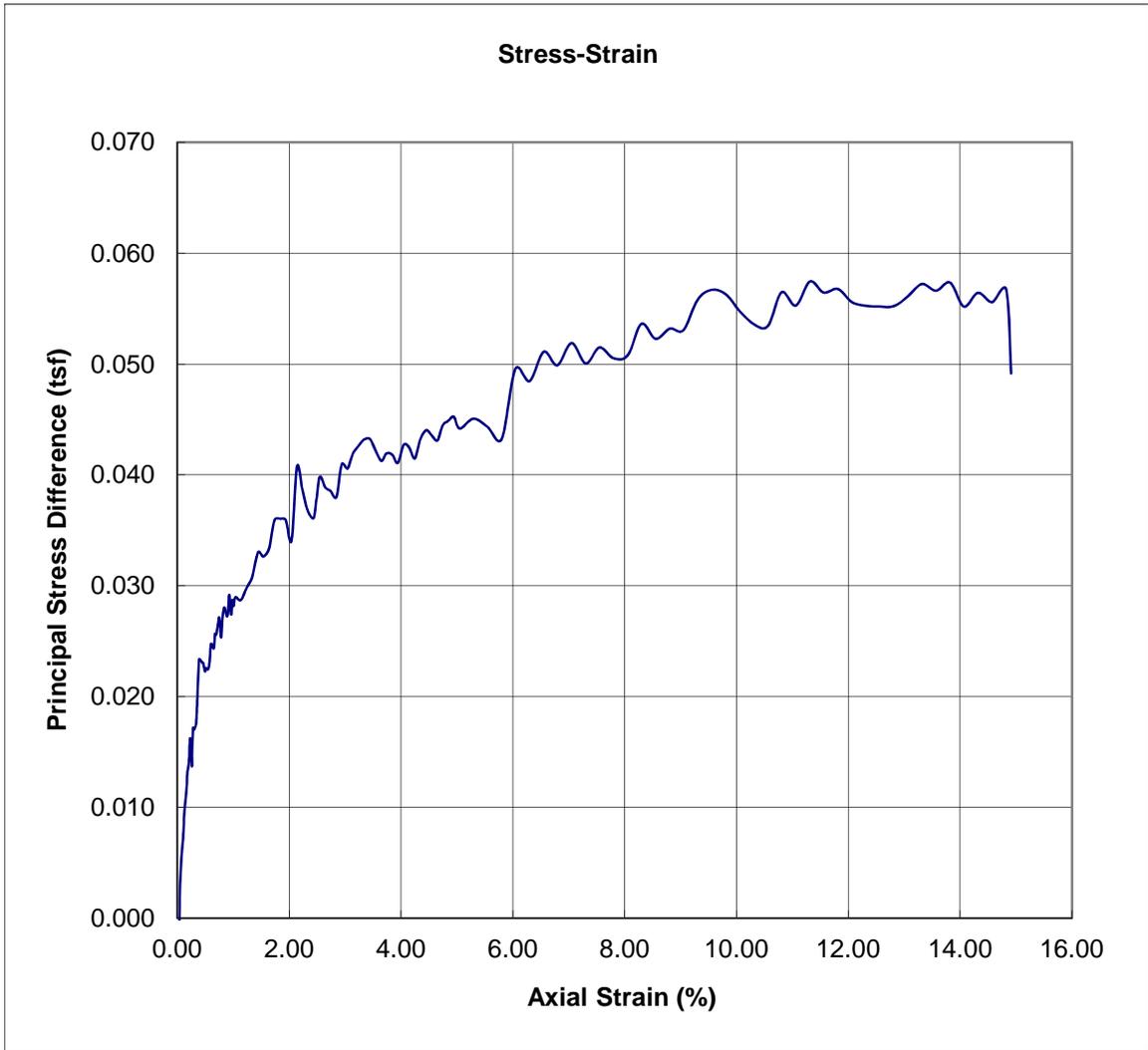
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	10:02:07 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	49
Diameter (inch):	2.8	Height (inch):	6.04
Failure:	Multiple Shear	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/9/2011	Time:	10:16:47 PM
Boring:	3	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	54
Diameter (inch):	2.8	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



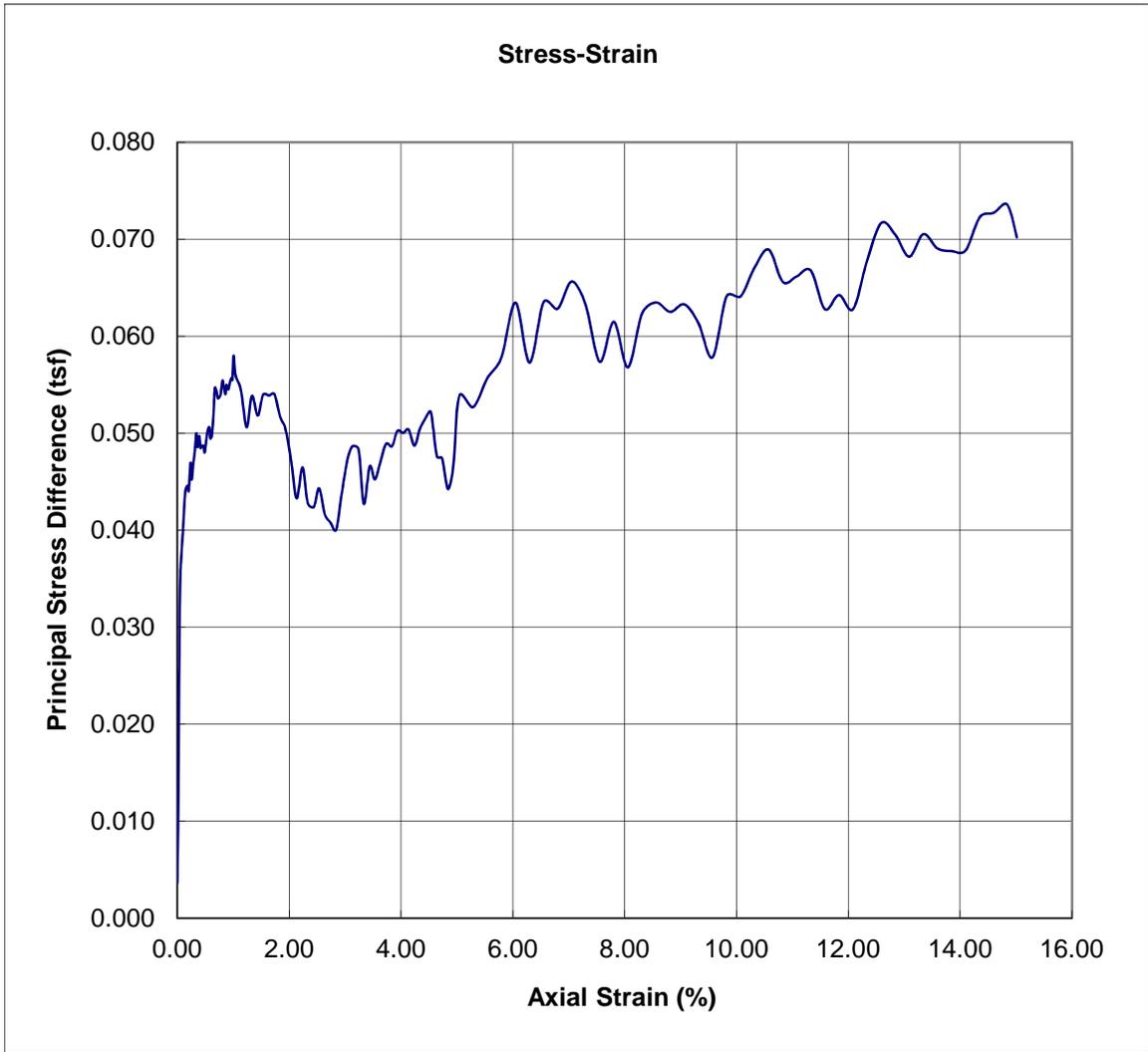
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	9:17:26 AM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	8
Diameter (inch):	2.8	Height (inch):	4.48
Piston Correction (lbs):	0.250800305	Test Type:	UU
Failure:	Bulge		



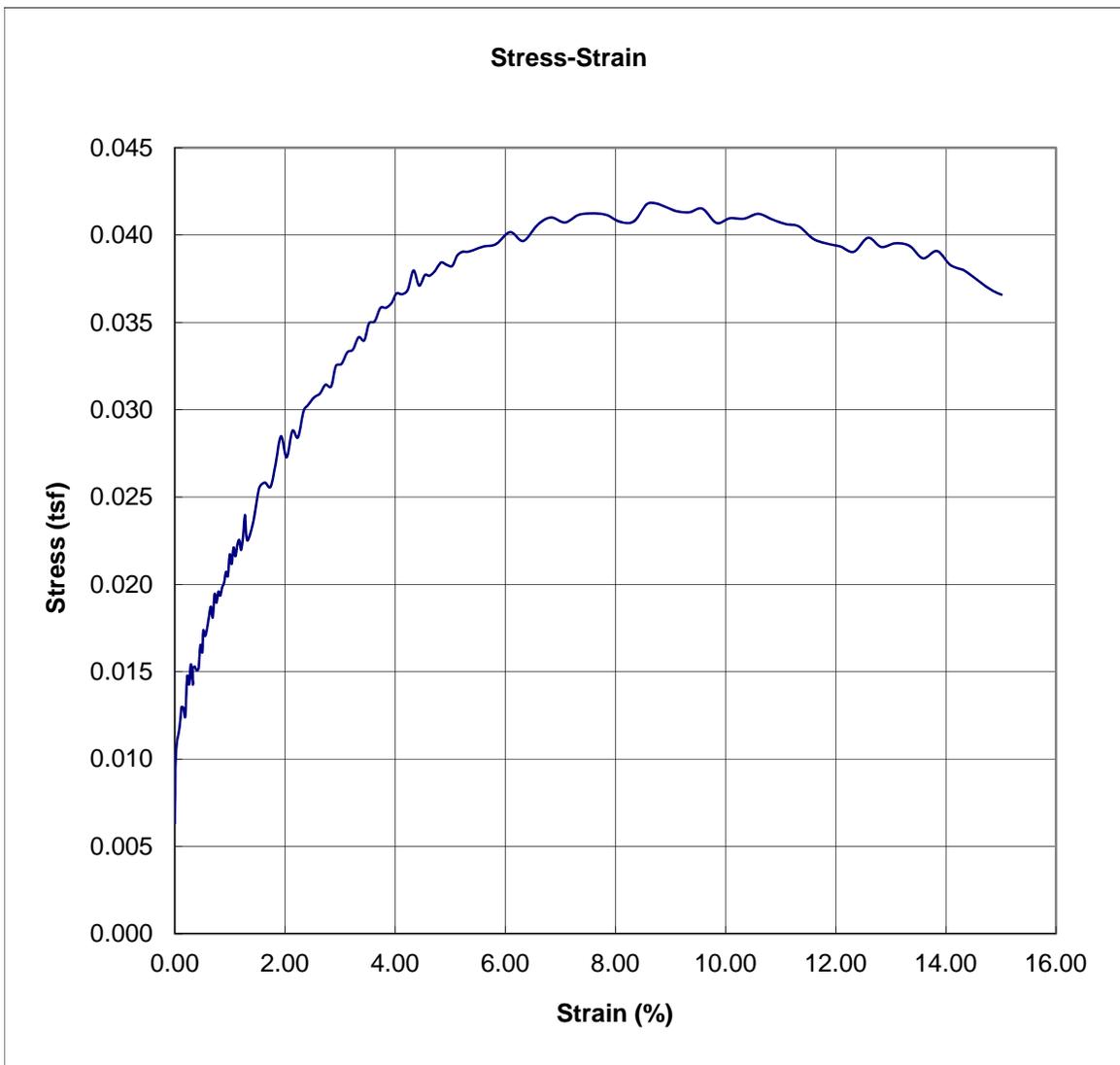
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	10:03:47 AM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	10
Diameter (inch):	2.76	Height (inch):	5.85
Piston Correction (lbs):	0.397126601	Test Type:	UU
Failure:	Bulge		



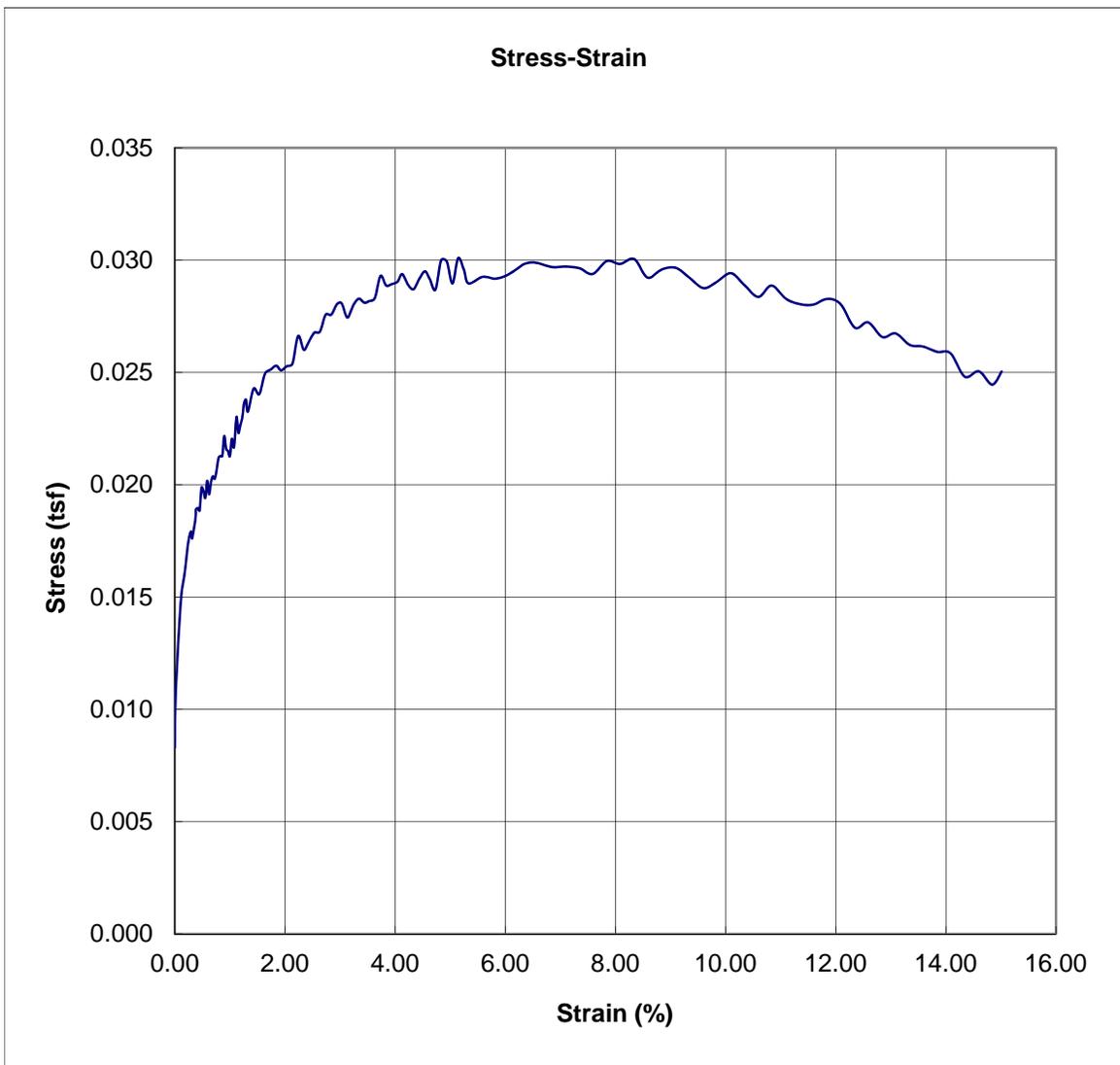
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	11:59:54 AM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	12
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	0.547084562	Test Type:	UU
Failure:	Yield		



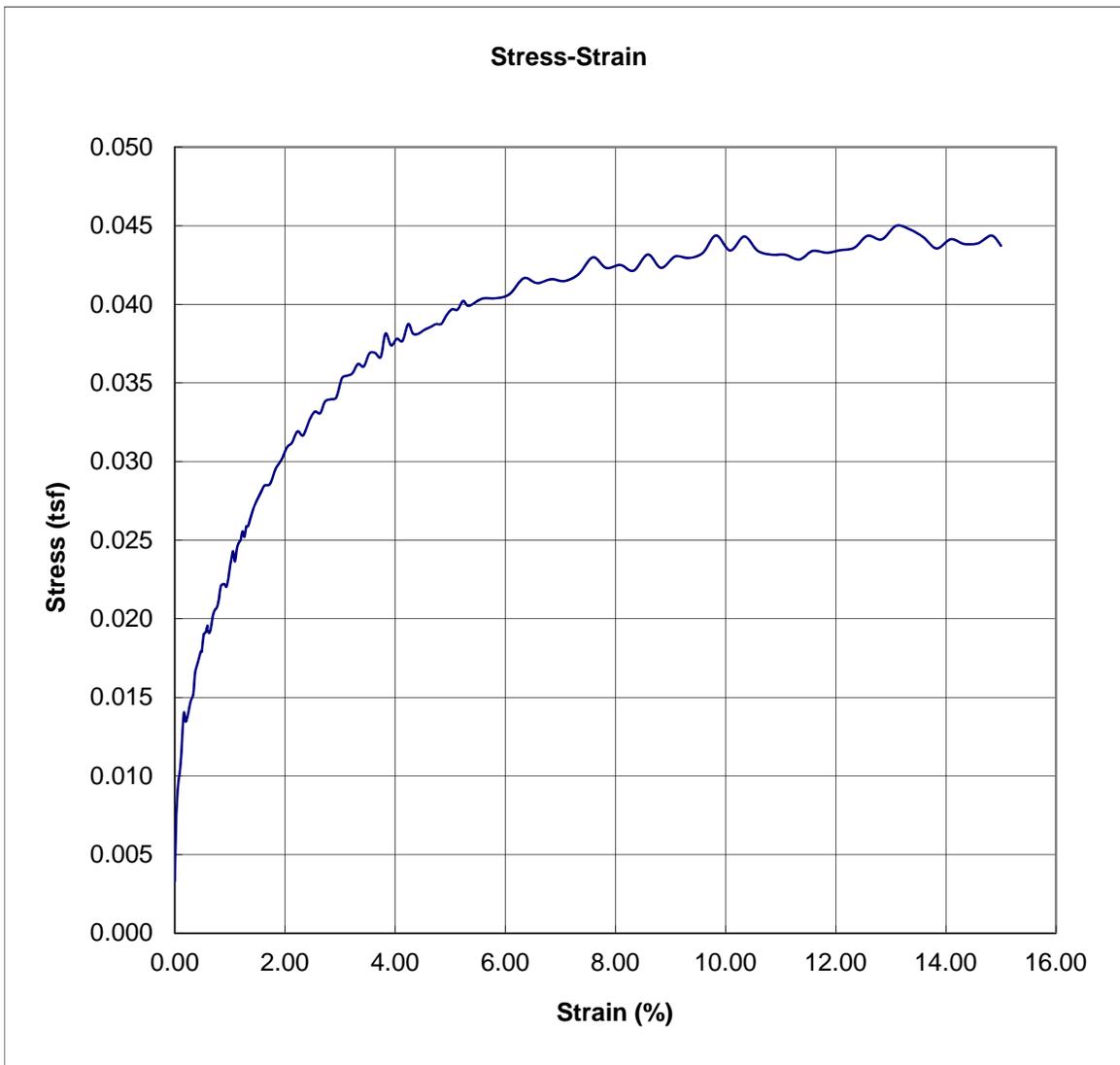
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	2:39:56 PM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	14
Diameter (inch):	2.76	Height (inch):	5.9
Failure:	Multiple Shear	Test Type:	UC



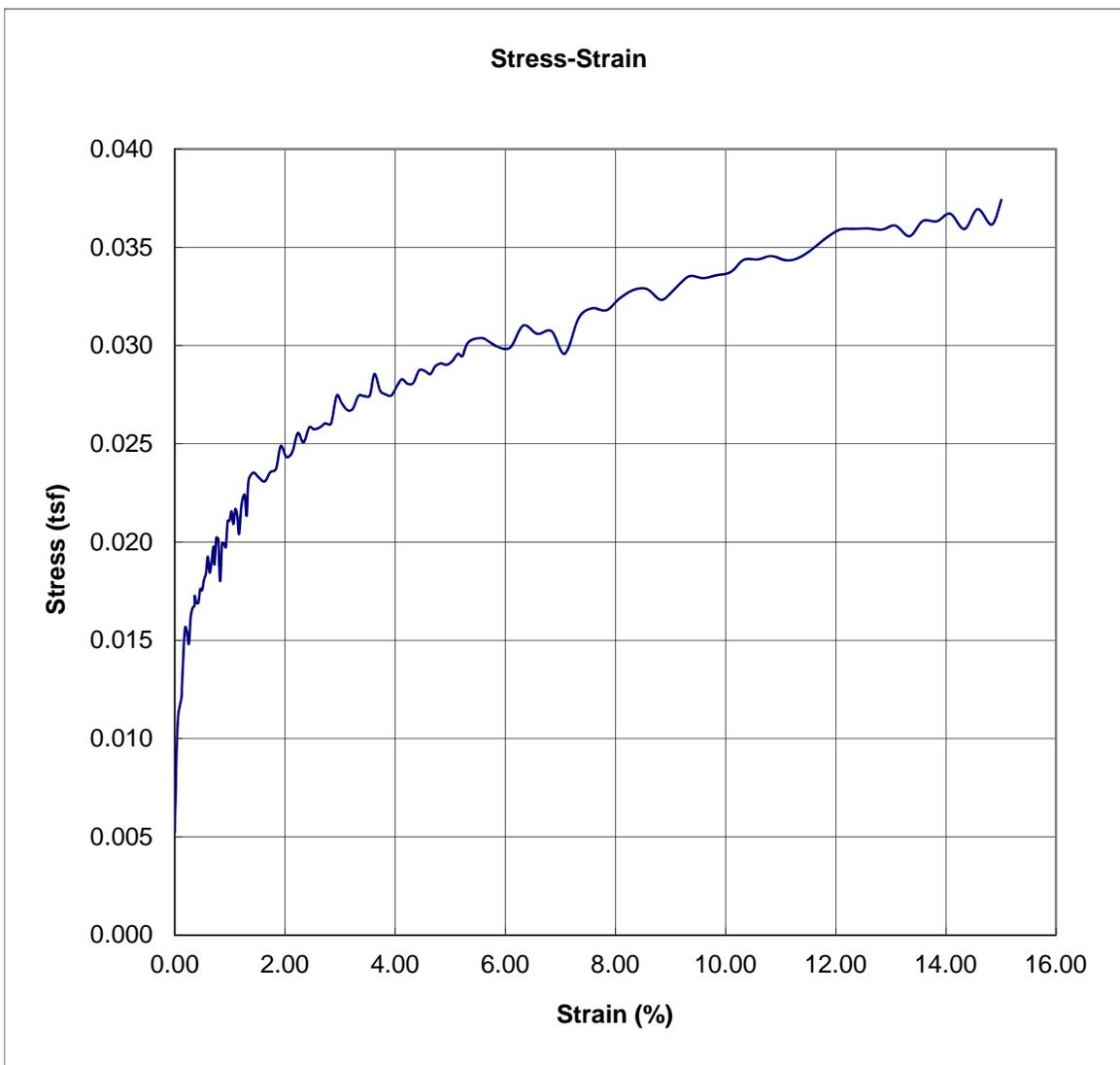
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	2:24:06 PM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	16
Diameter (inch):	2.77	Height (inch):	5.9
Failure:	Mutiple Shear	Test Type:	UC



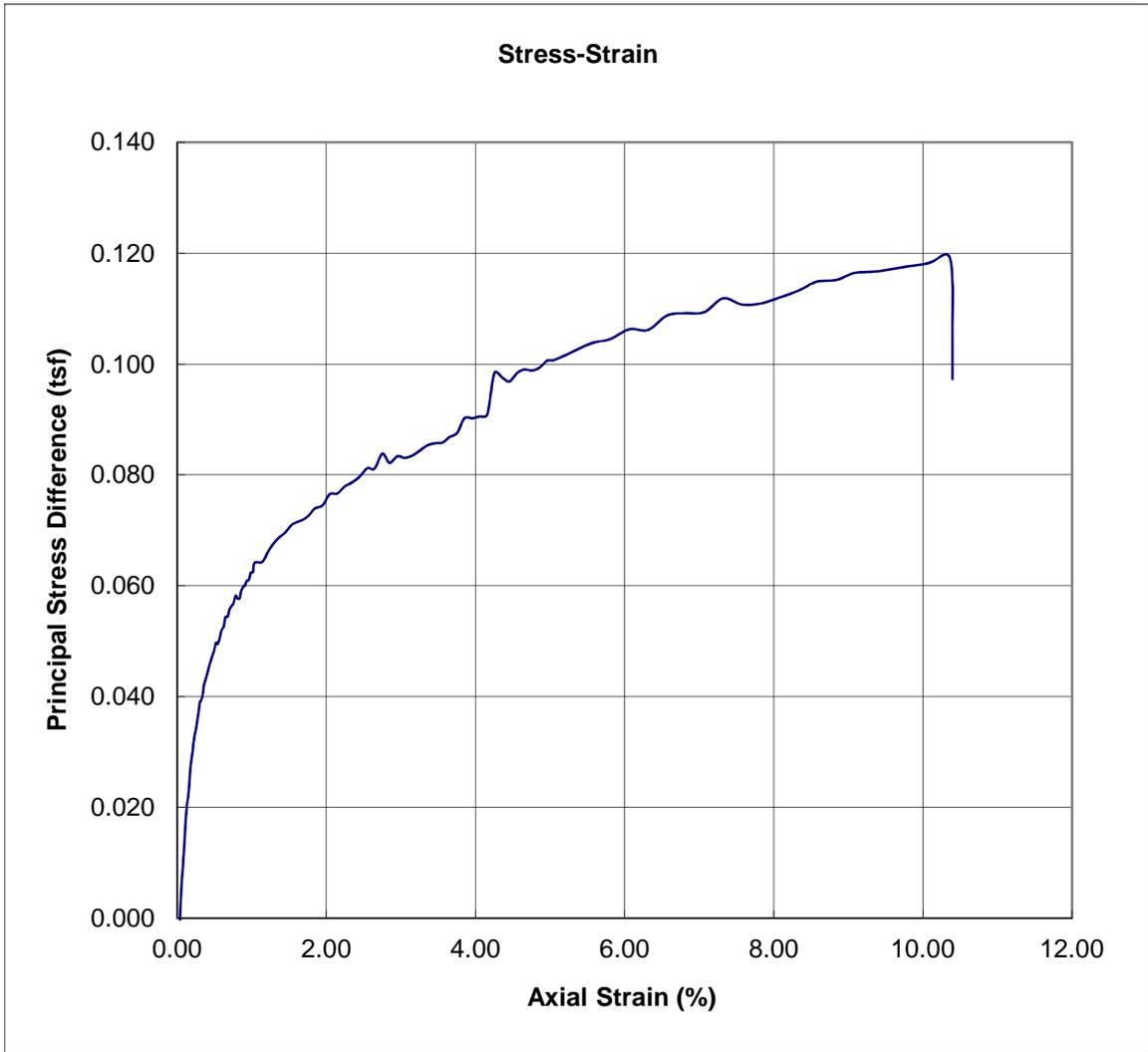
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	2:12:36 PM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	18
Diameter (inch):	2.8	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



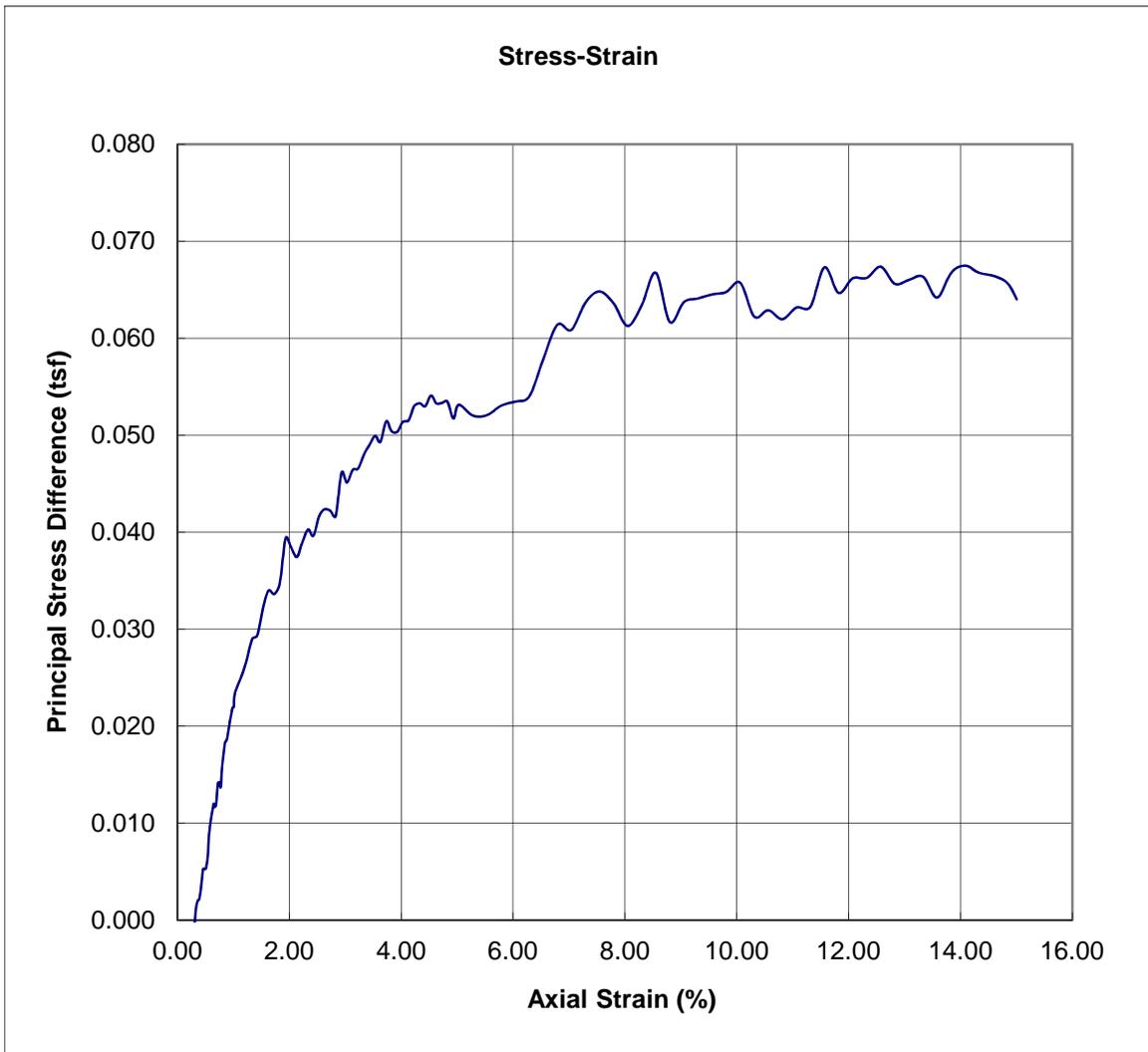
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	1:41:07 PM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	20
Diameter (inch):	2.8	Height (inch):	5.9
Failure:	Yield	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	10:48:57 AM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	22
Diameter (inch):	2.82	Height (inch):	6
Piston Correction (lbs):	1.334796274	Test Type:	UU
Failure:	Bulge		

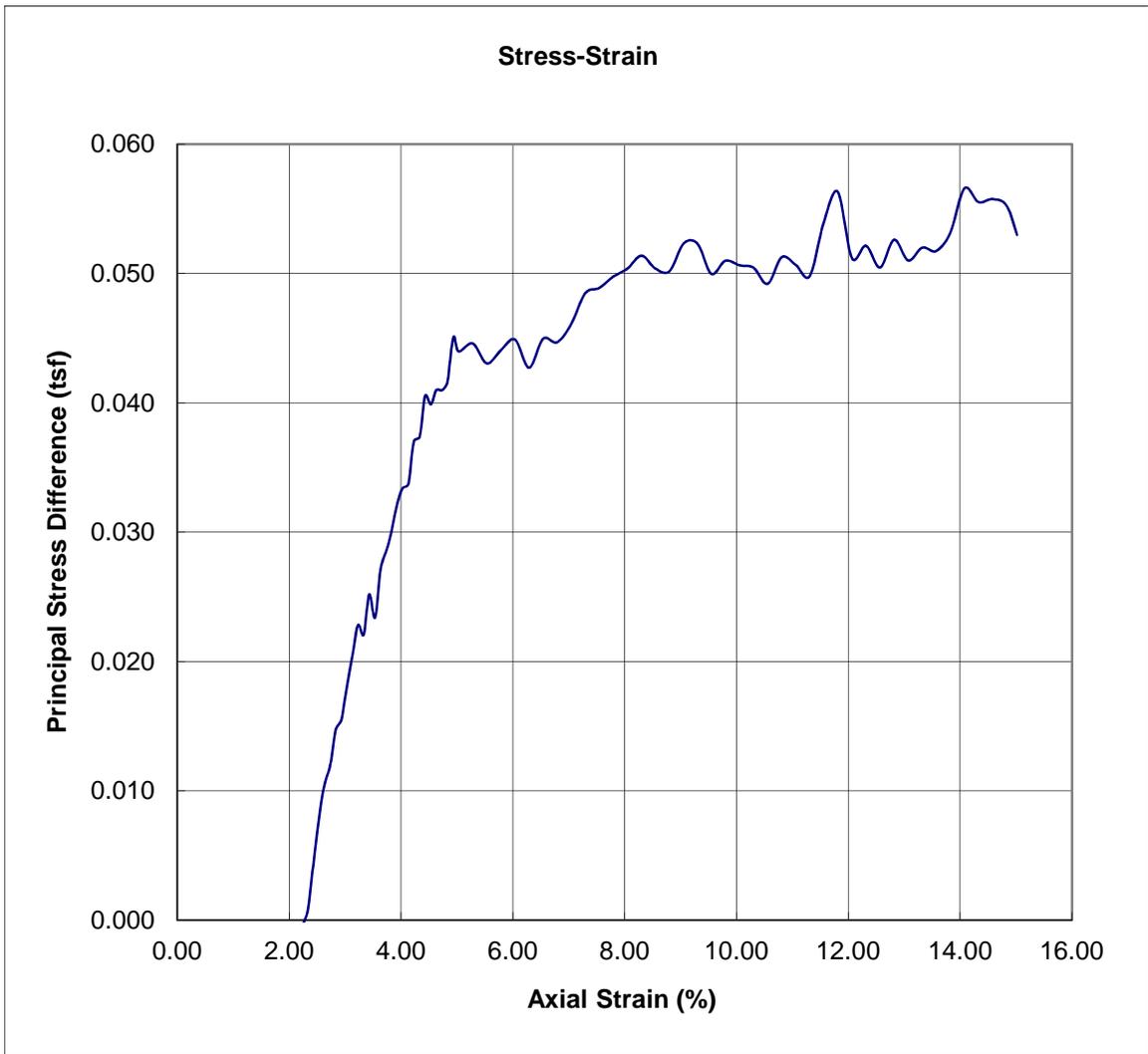


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	10:50:56 AM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	24
Diameter (inch):	2.85	Height (inch):	6
Piston Correction (lbs):	1.491737847	Test Type:	UU
Failure:	Bulge		

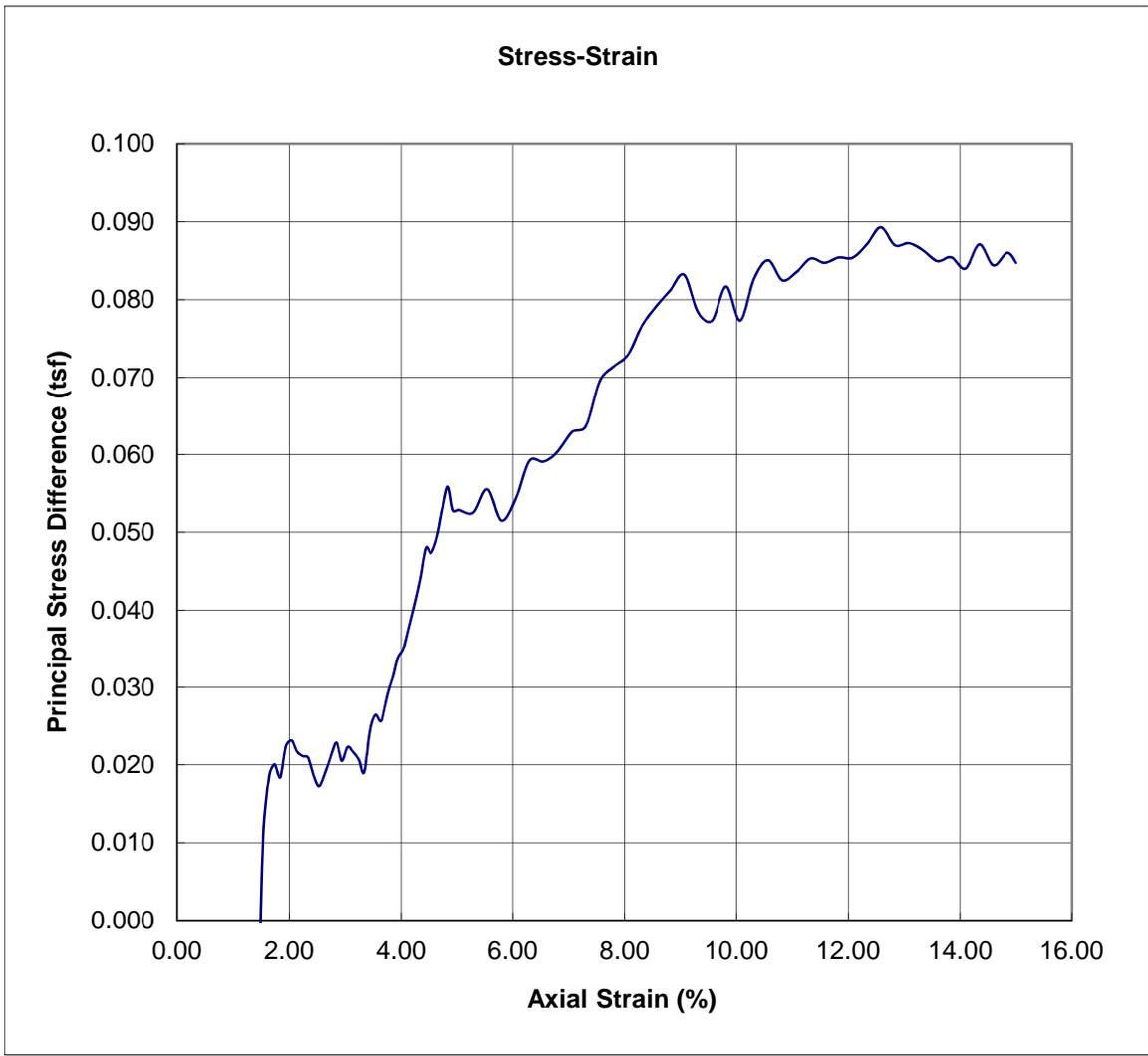


Project: 16715-020-00
Date: 6/10/2011
Boring: 4
Specimen: Specimen1
Diameter (inch): 2.86
Piston Correction (lbs): 2.275494579
Failure: Bulge

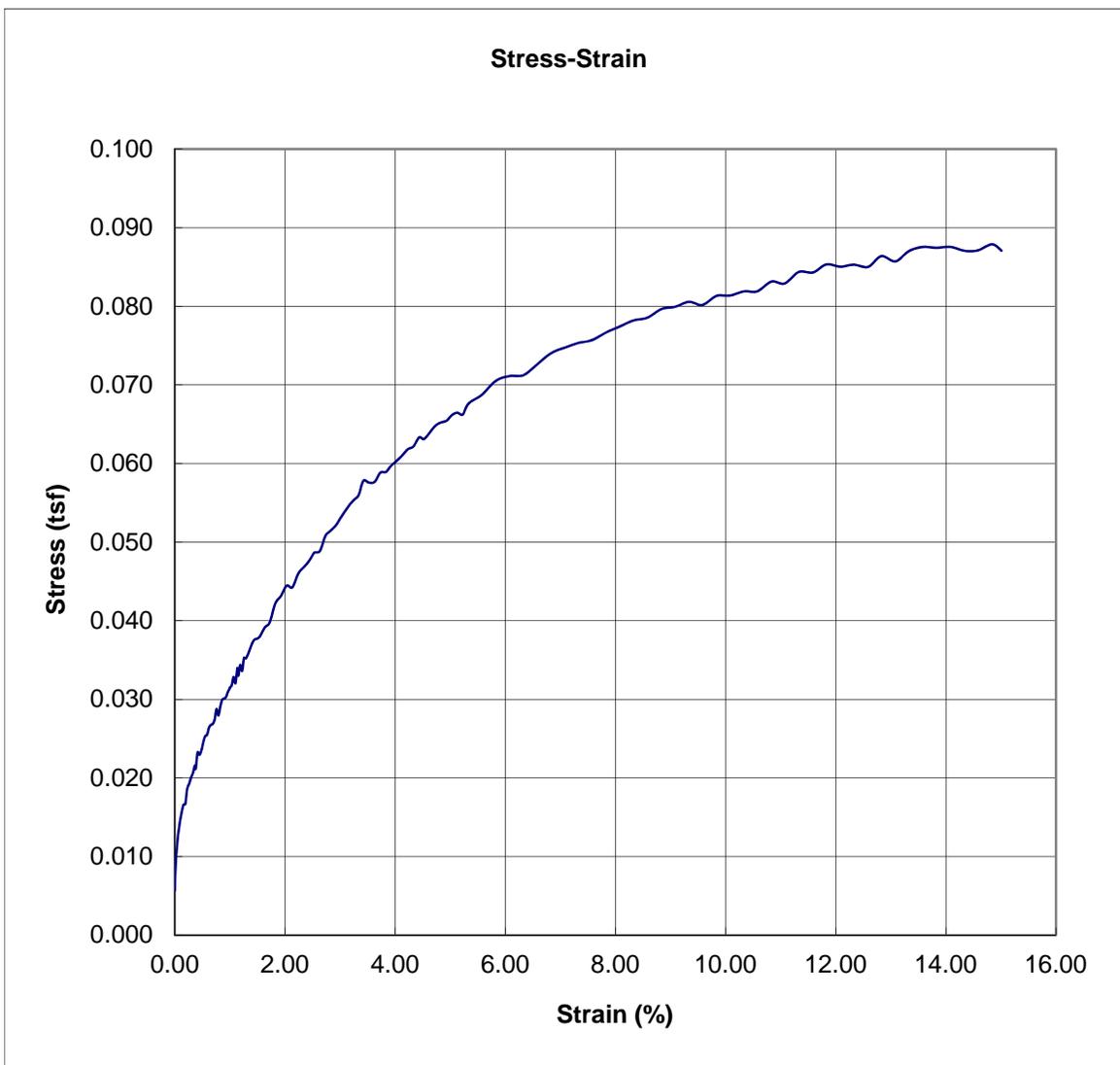
Load Frame Name: Load Frame
Time: 9:15:02 AM
Sample: Sample1
Depth (ft): 34
Height (inch): 6
Test Type: UU



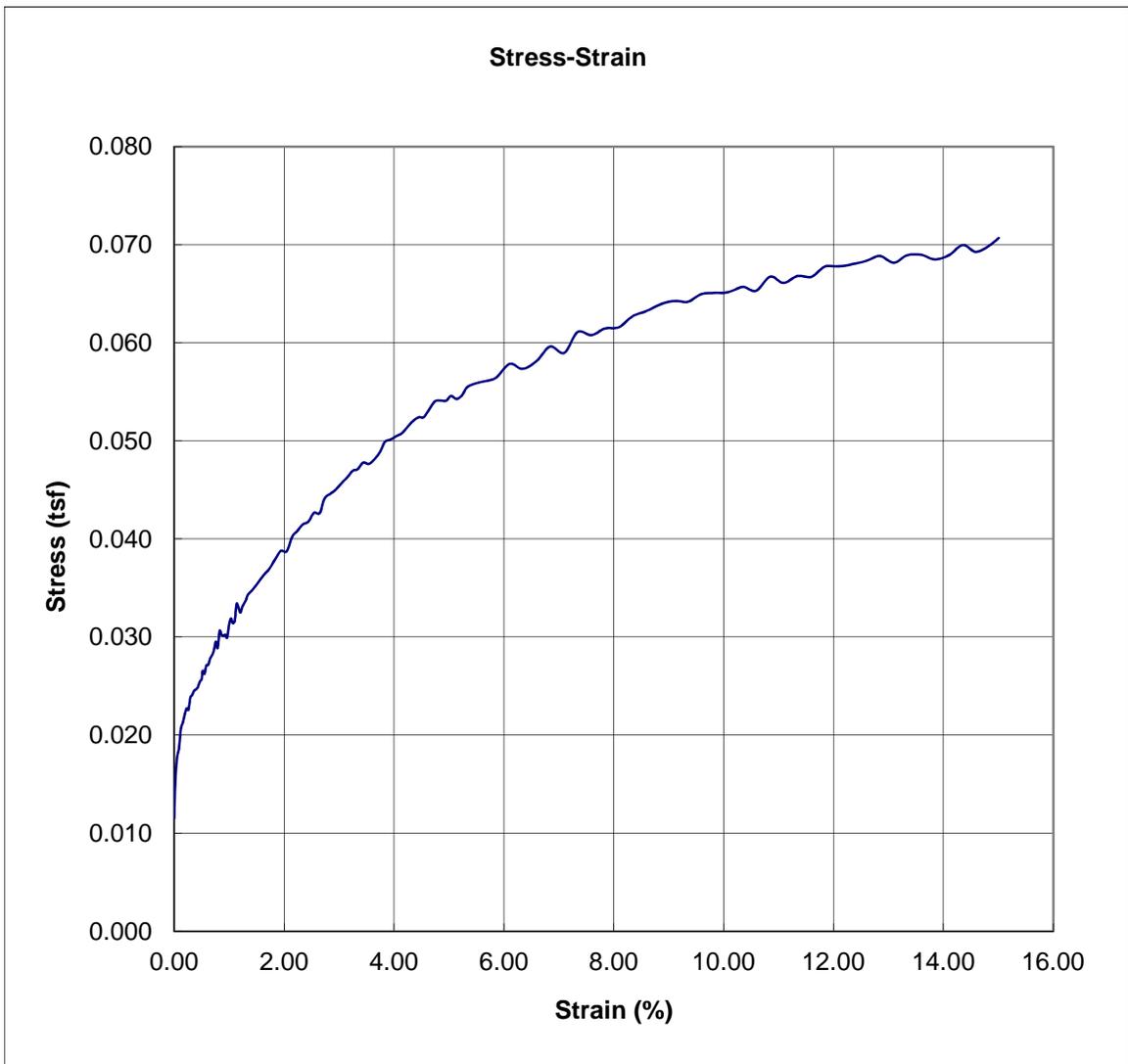
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	9:59:13 AM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	39
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	2.675842898	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	1:06:54 PM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	44
Diameter (inch):	2.75	Height (inch):	5.7
Failure:	Yield	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	1:25:56 PM
Boring:	4	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	54
Diameter (inch):	2.8	Height (inch):	5.35
Failure:	Yield	Test Type:	UC

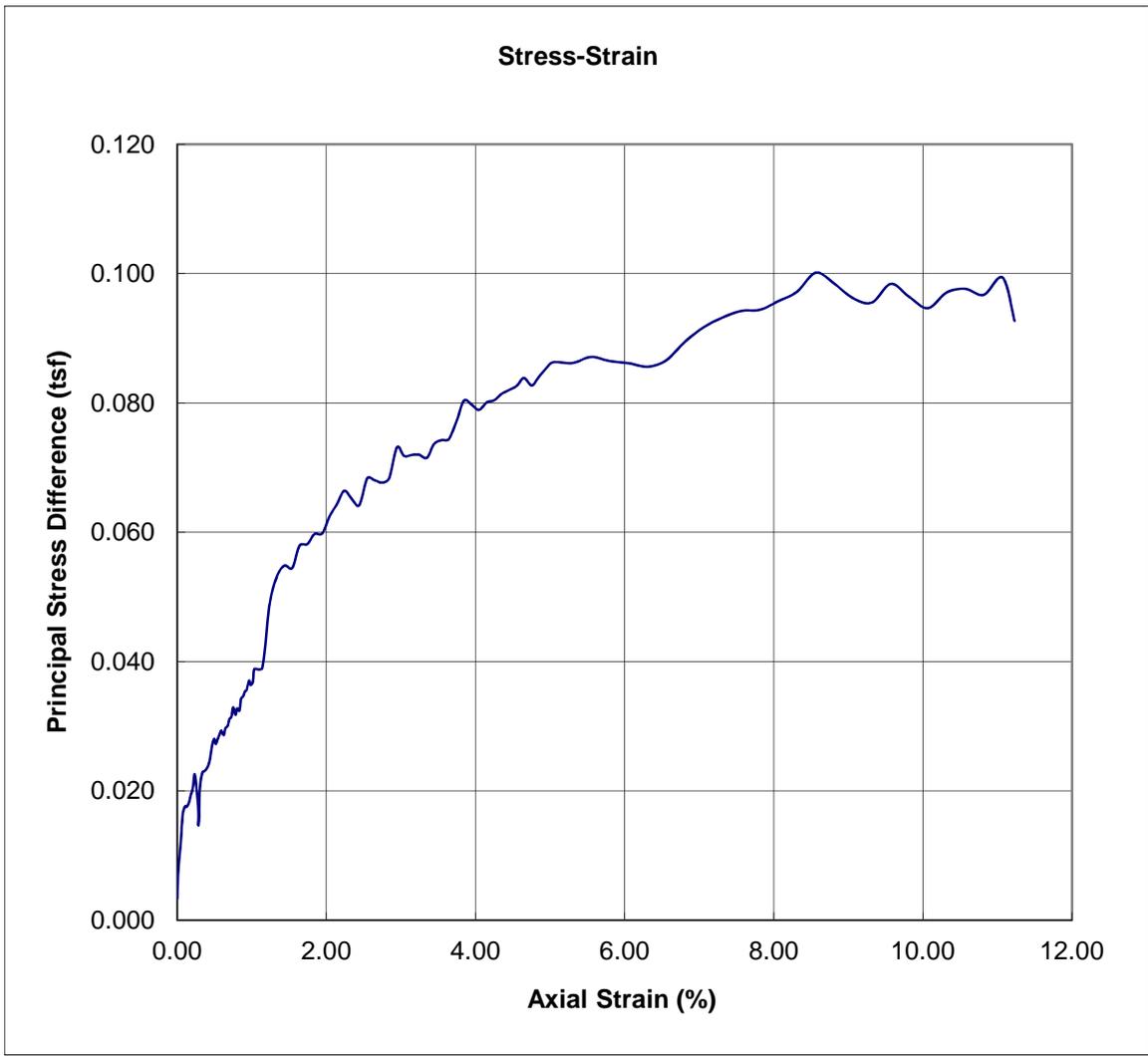


Project: 16715-020-00
Date: 6/10/2011
Boring: 5
Specimen: Specimen1
Diameter (inch): 2.68
Piston Correction (lbs): 7.06E-02
Failure: Bulge

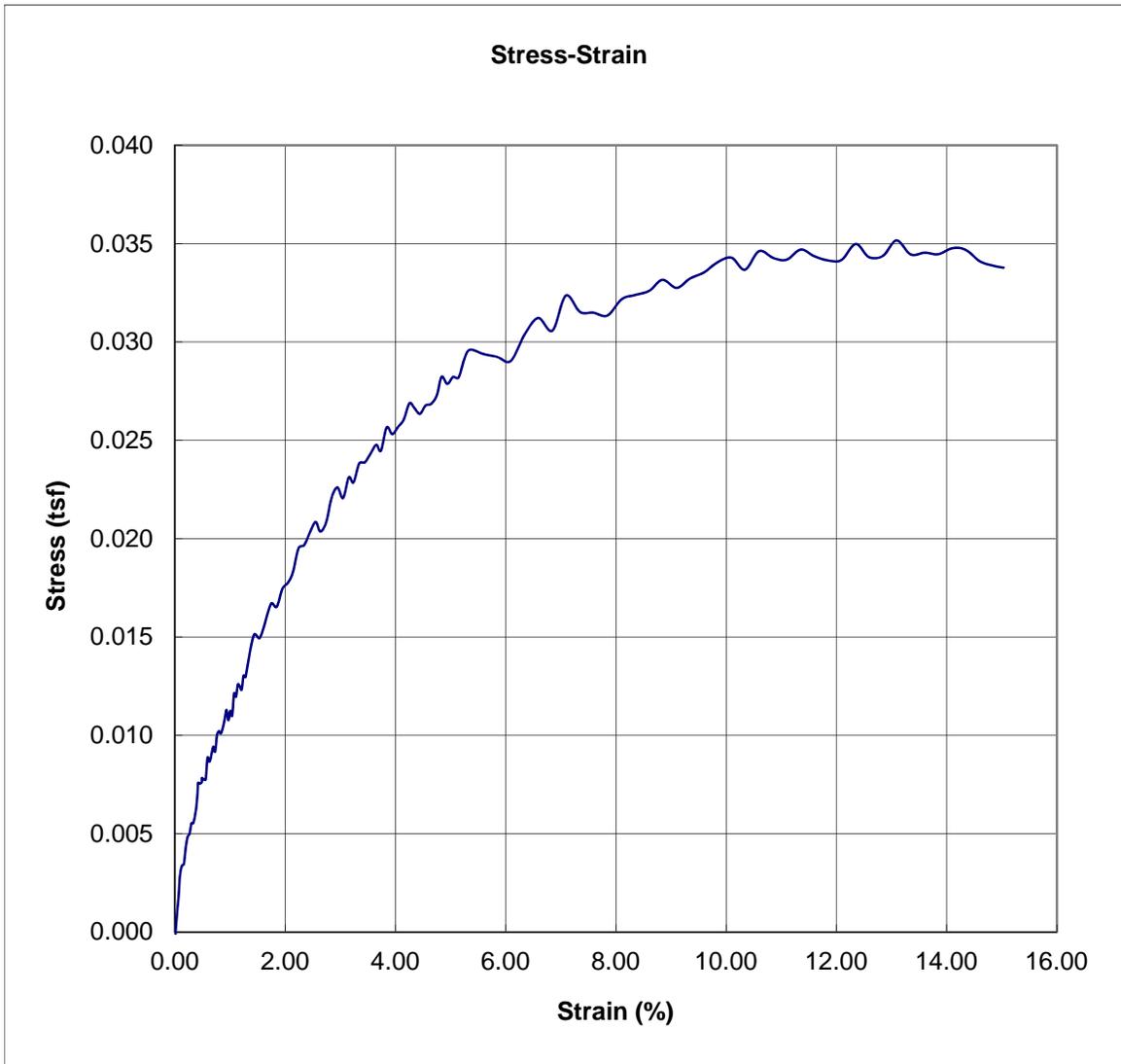
Load Frame Name: Load Frame
Time: 11:29:46 AM
Sample: Sample1
Depth (ft): 8
Height (inch): 5.86
Test Type: UU



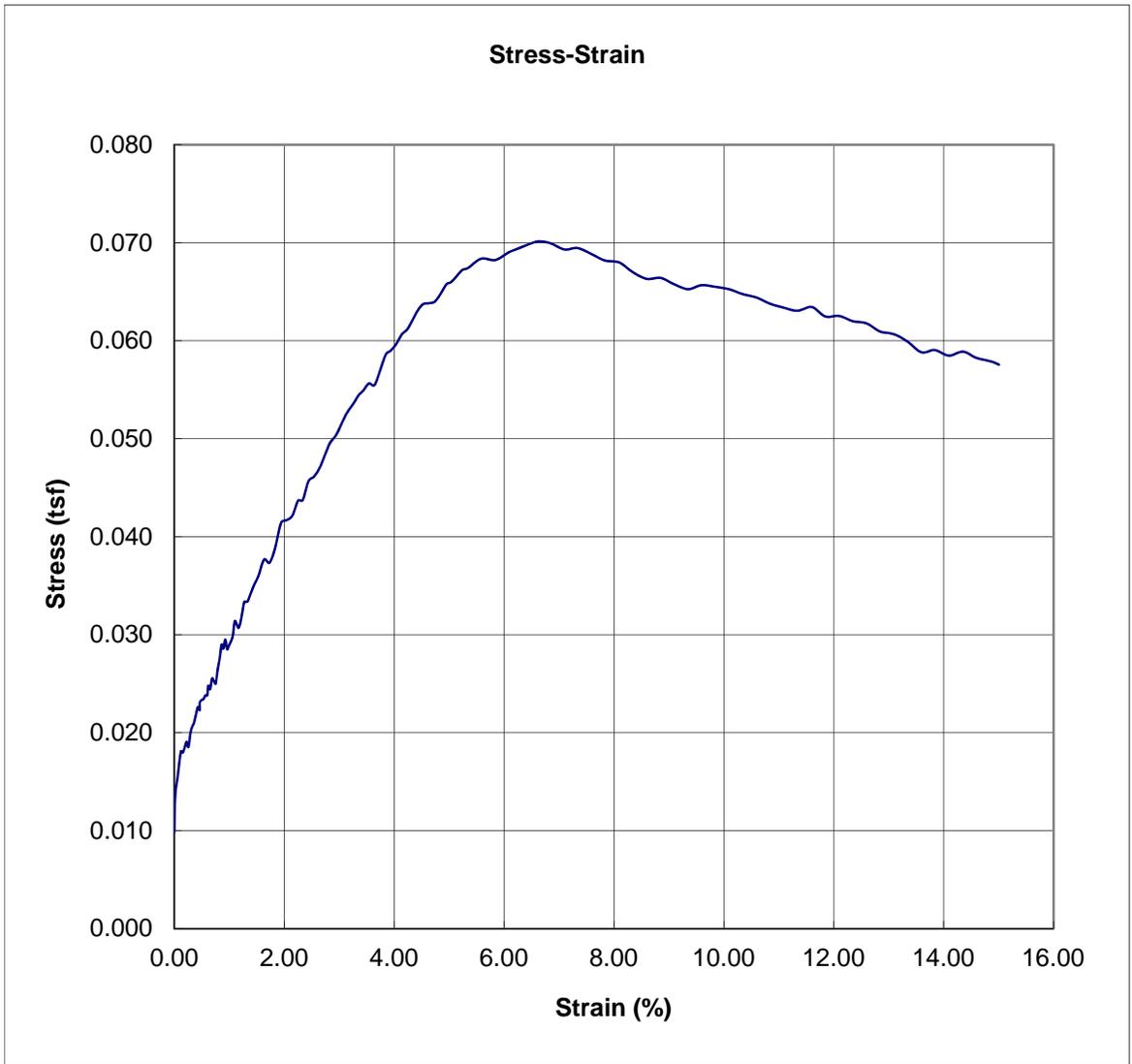
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	3:41:20 PM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	10
Diameter (inch):	2.78	Height (inch):	5.9
Piston Correction (lbs):	0.225858963	Test Type:	UU
Failure:	Bulge		



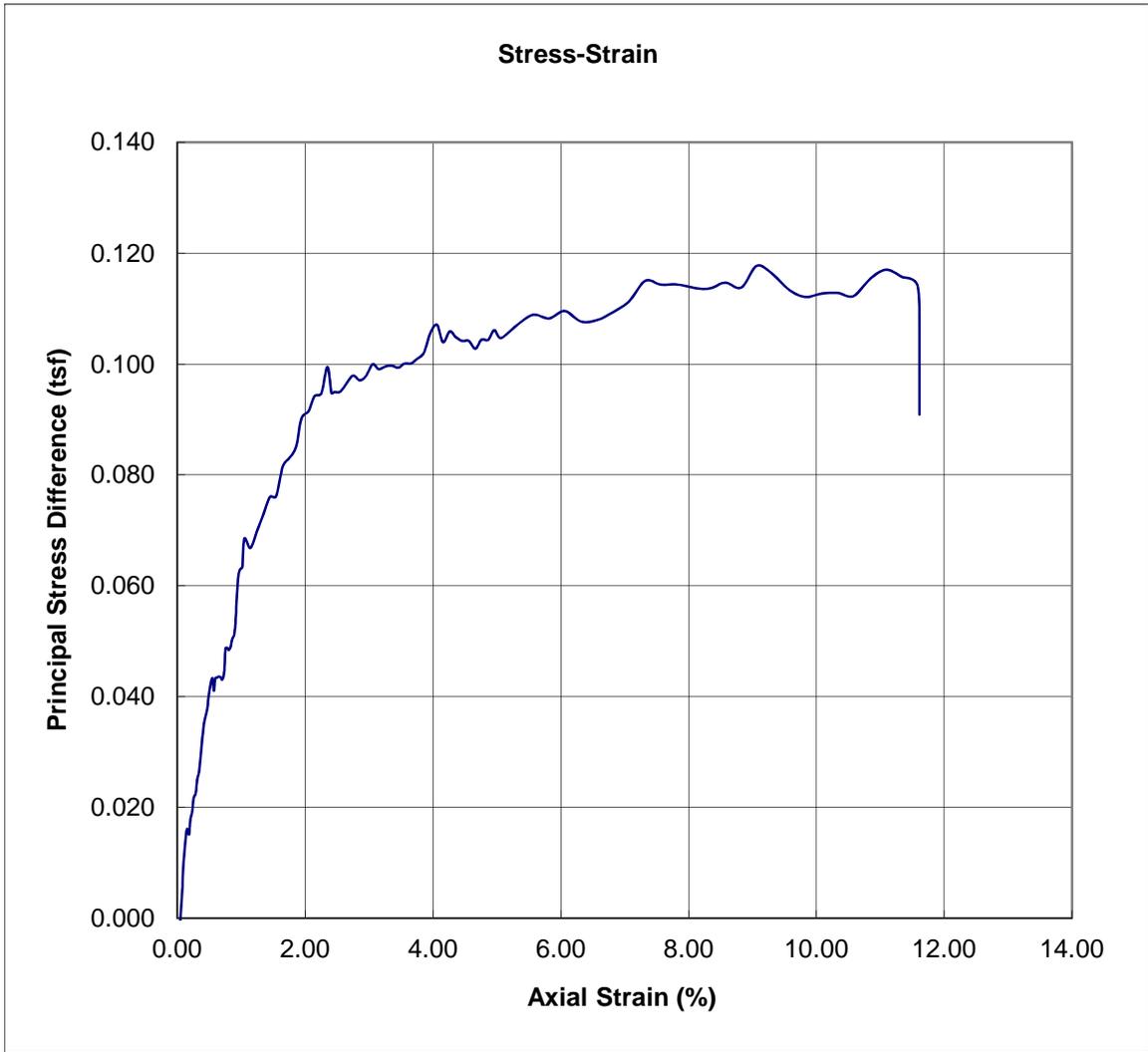
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	10:04:35 AM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	12
Diameter (inch):	2.78	Height (inch):	5.6
Failure:	Multiple Shear	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	10:19:52 AM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	14
Diameter (inch):	2.78	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



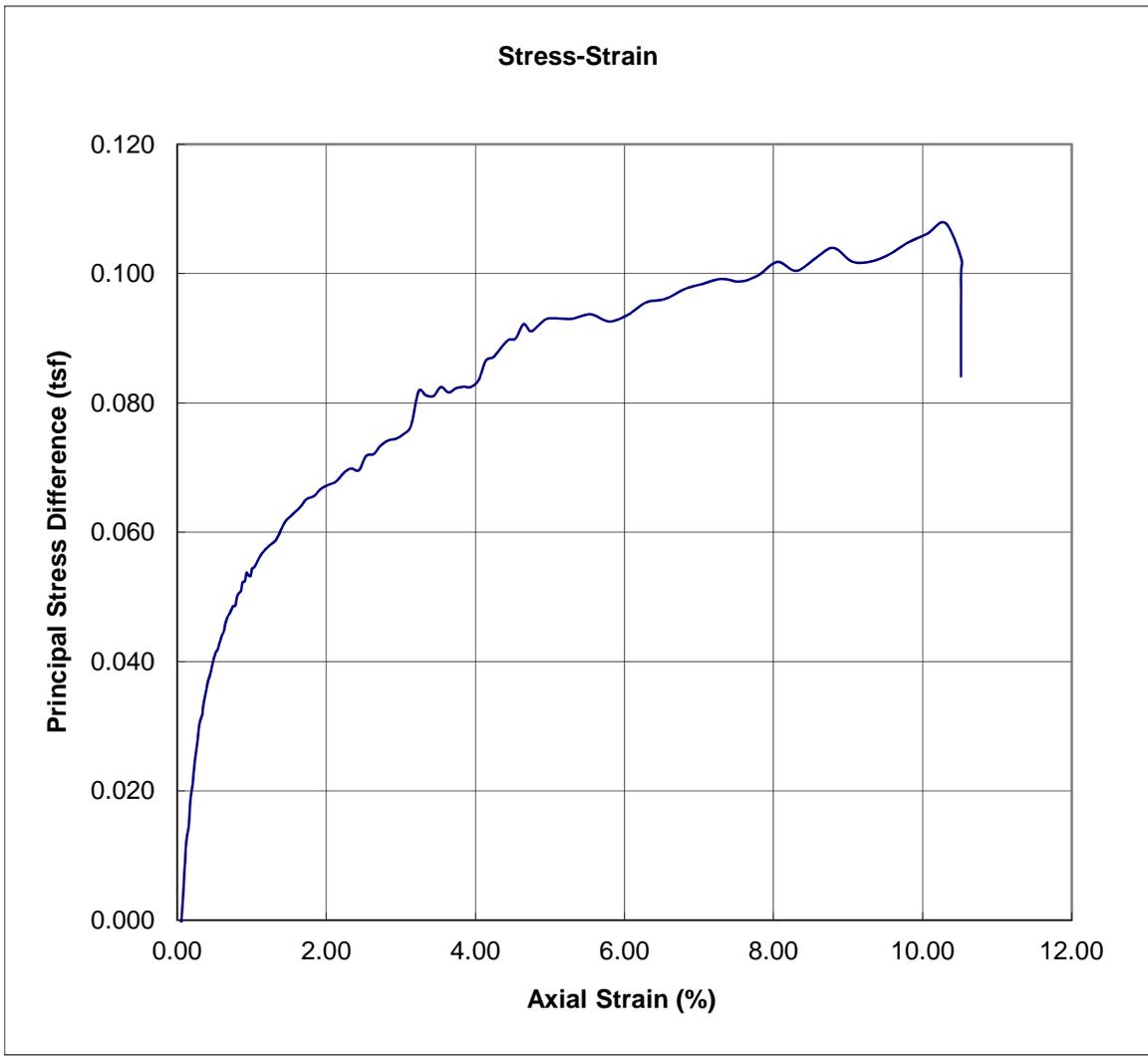
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	1:34:23 PM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	16
Diameter (inch):	2.81	Height (inch):	5.87
Piston Correction (lbs):	0.690299976	Test Type:	UU
Failure:	Bulge		



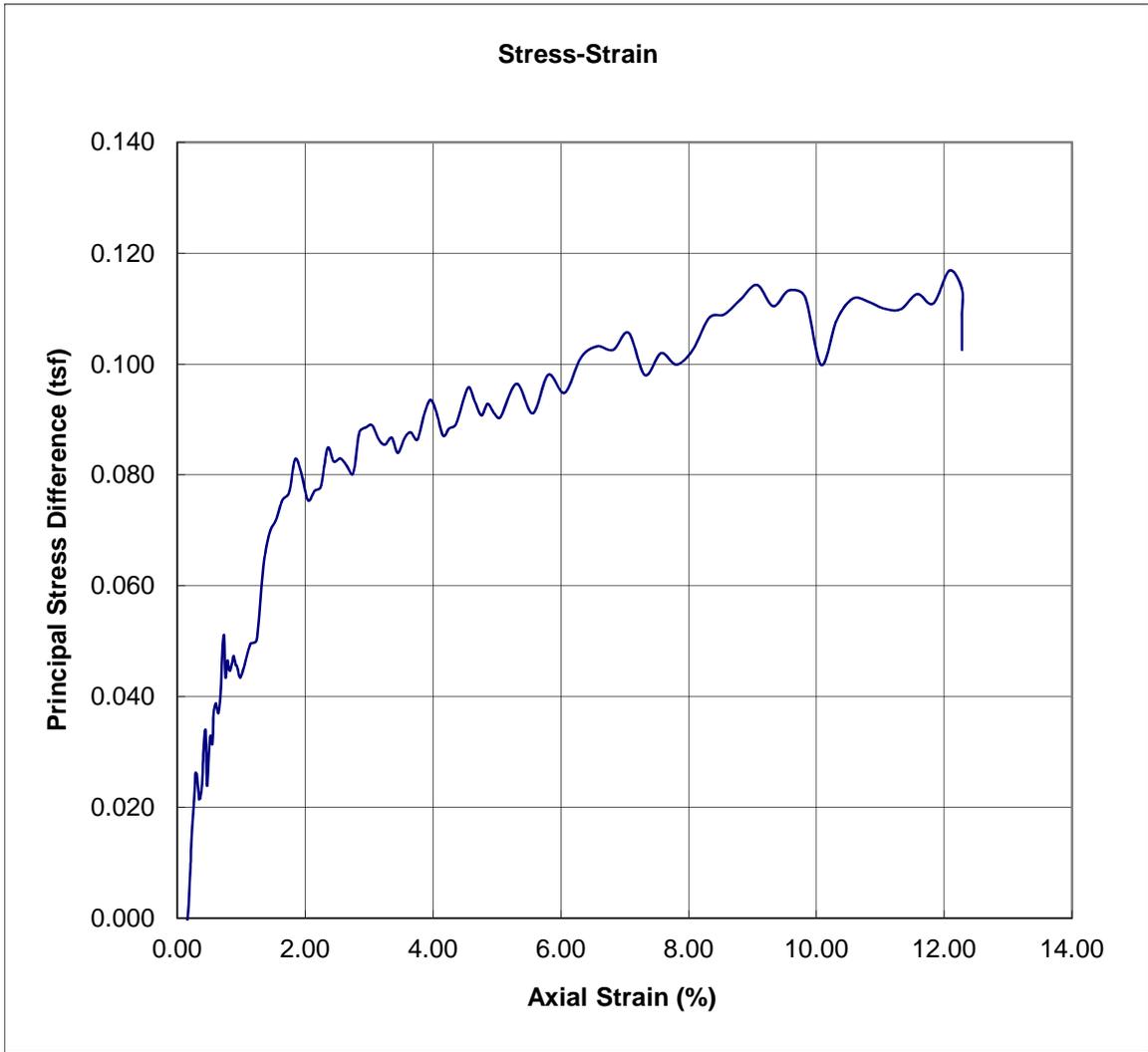
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	10:43:40 AM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	18
Diameter (inch):	2.77	Height (inch):	5.7
Failure:	Multiple Shear	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	2:22:36 PM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	20
Diameter (inch):	2.78	Height (inch):	6
Piston Correction (lbs):	1.021485908	Test Type:	UU
Failure:	Bulge		

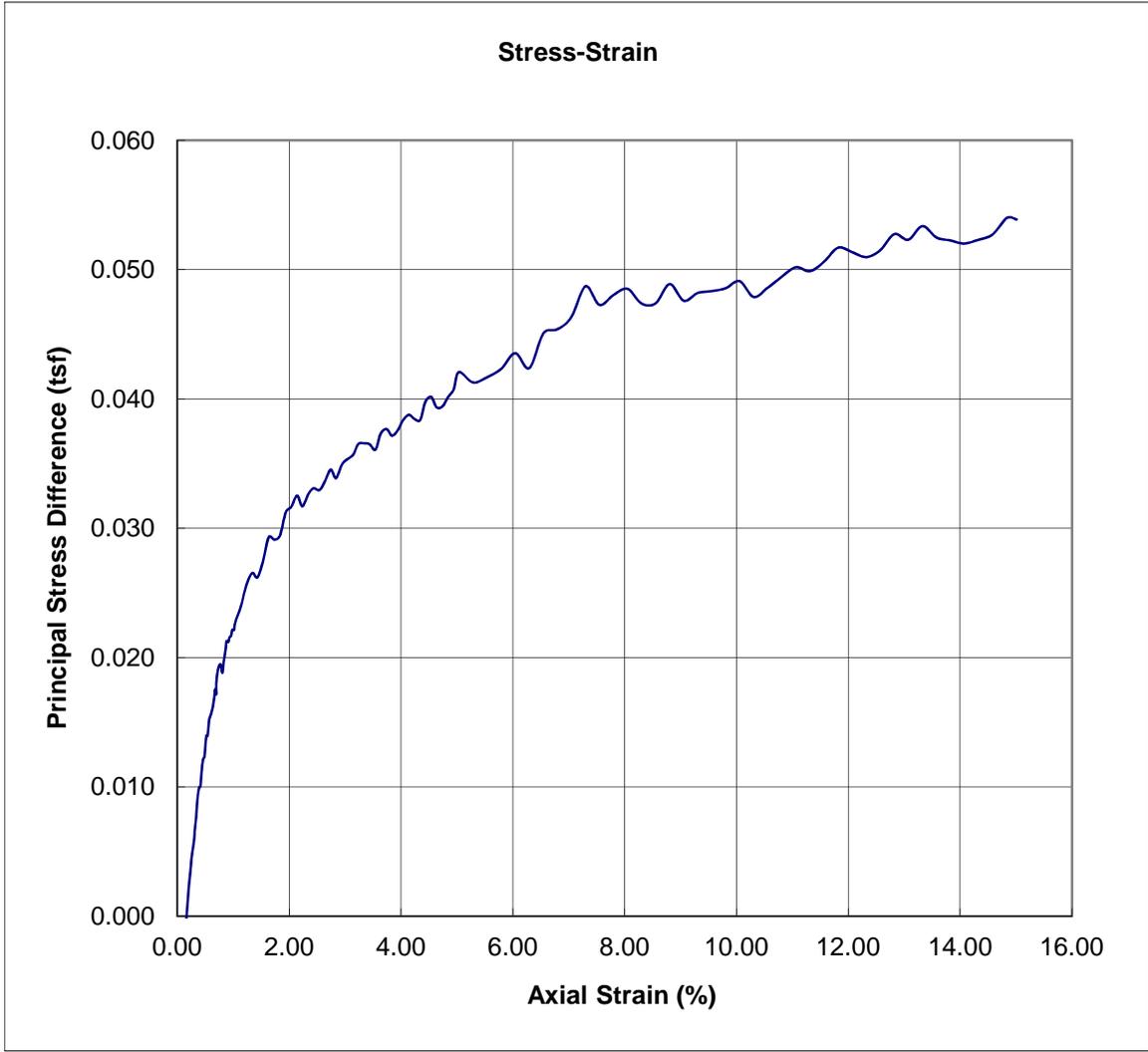


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	3:00:07 PM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	22
Diameter (inch):	2.78	Height (inch):	5.6
Piston Correction (lbs):	1.179016103	Test Type:	UU
Failure:	Bulge		

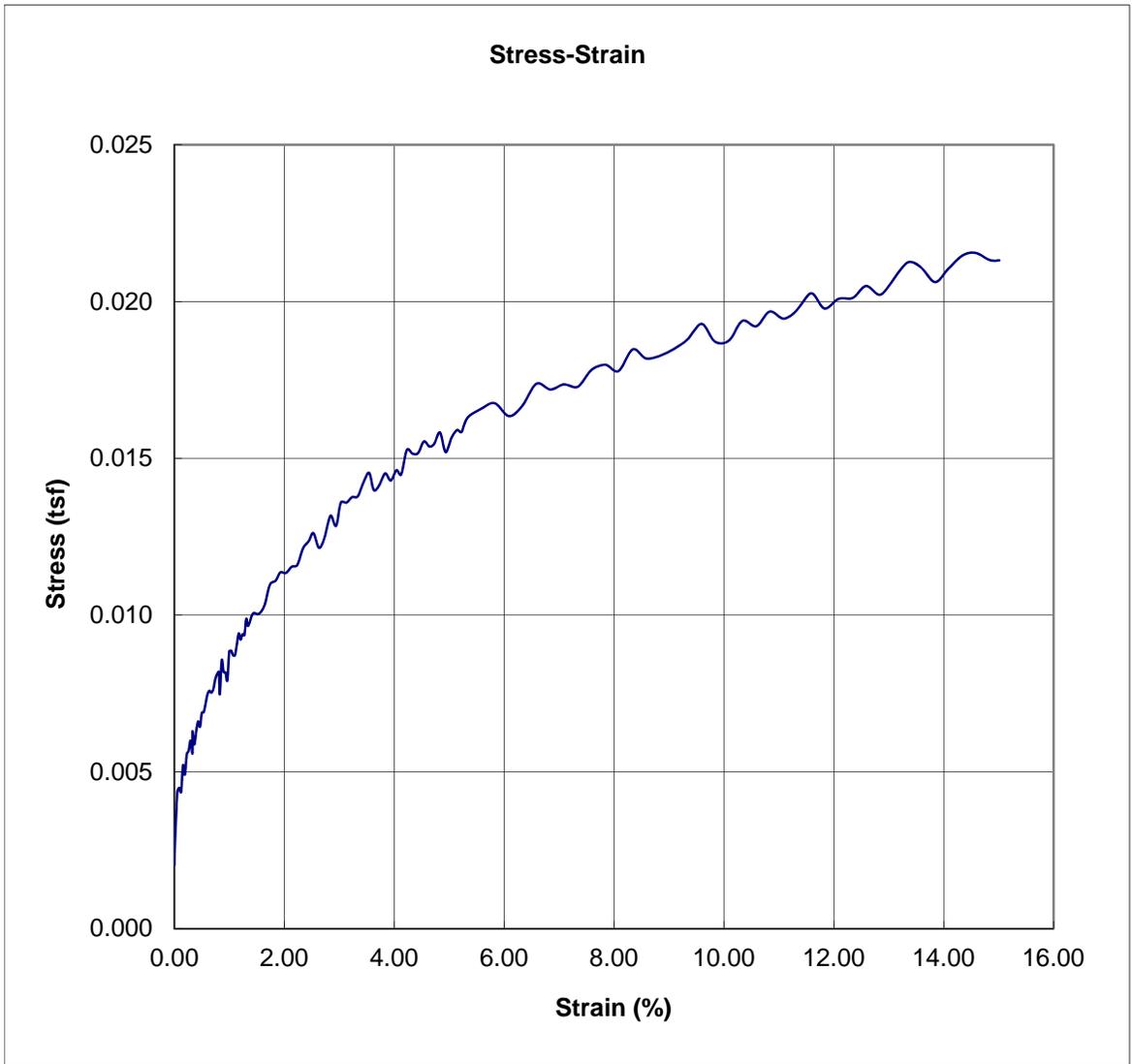


Project: 16715-020-00
Date: 6/10/2011
Boring: 5
Specimen: Specimen1
Diameter (inch): 2.86
Piston Correction 1.335906521
Failure: Yield

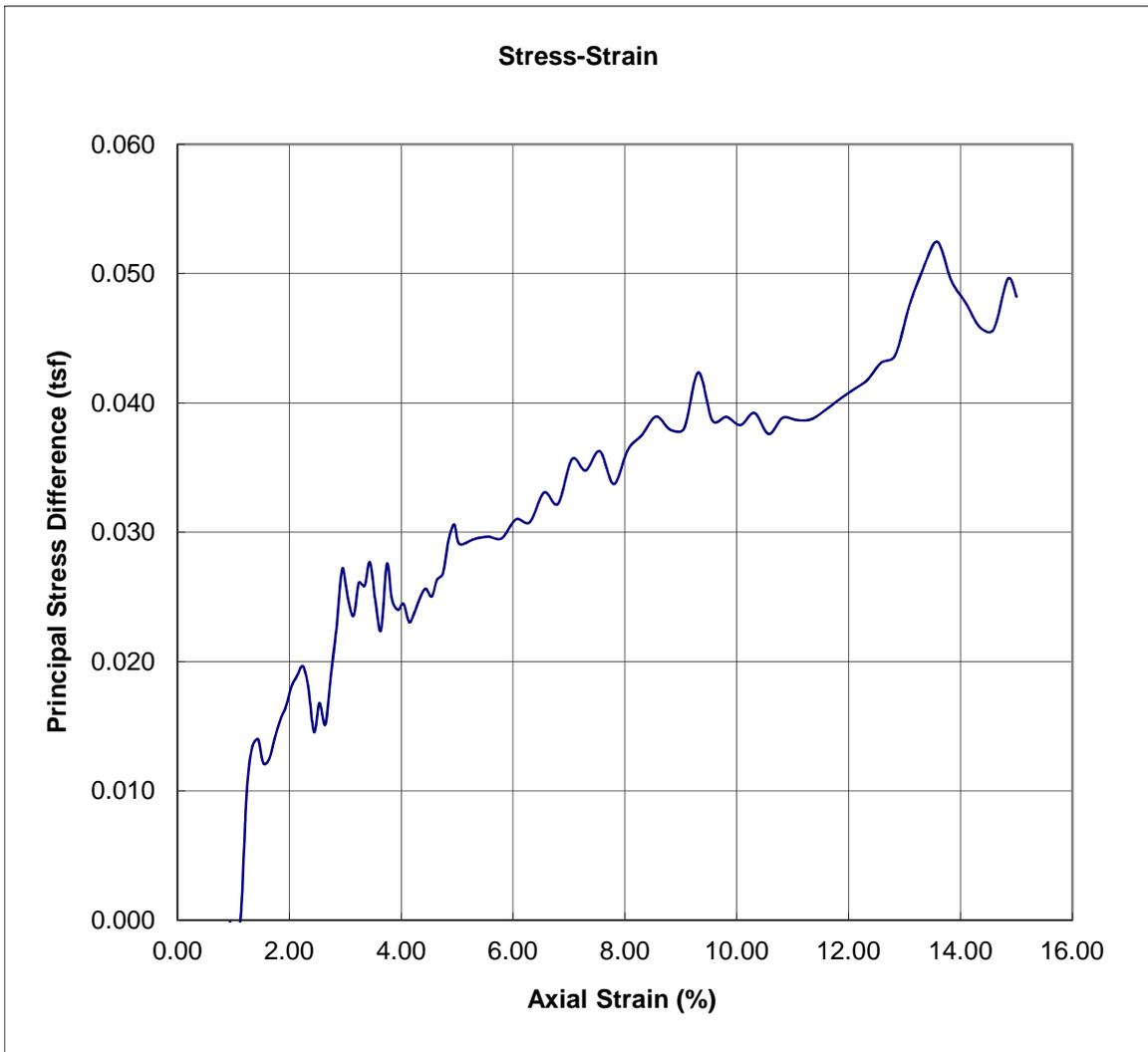
Load Frame Name: Load Frame
Time: 1:49:12 PM
Sample: Sample1
Depth (ft): 24
Height (inch): 6
Test Type: UU



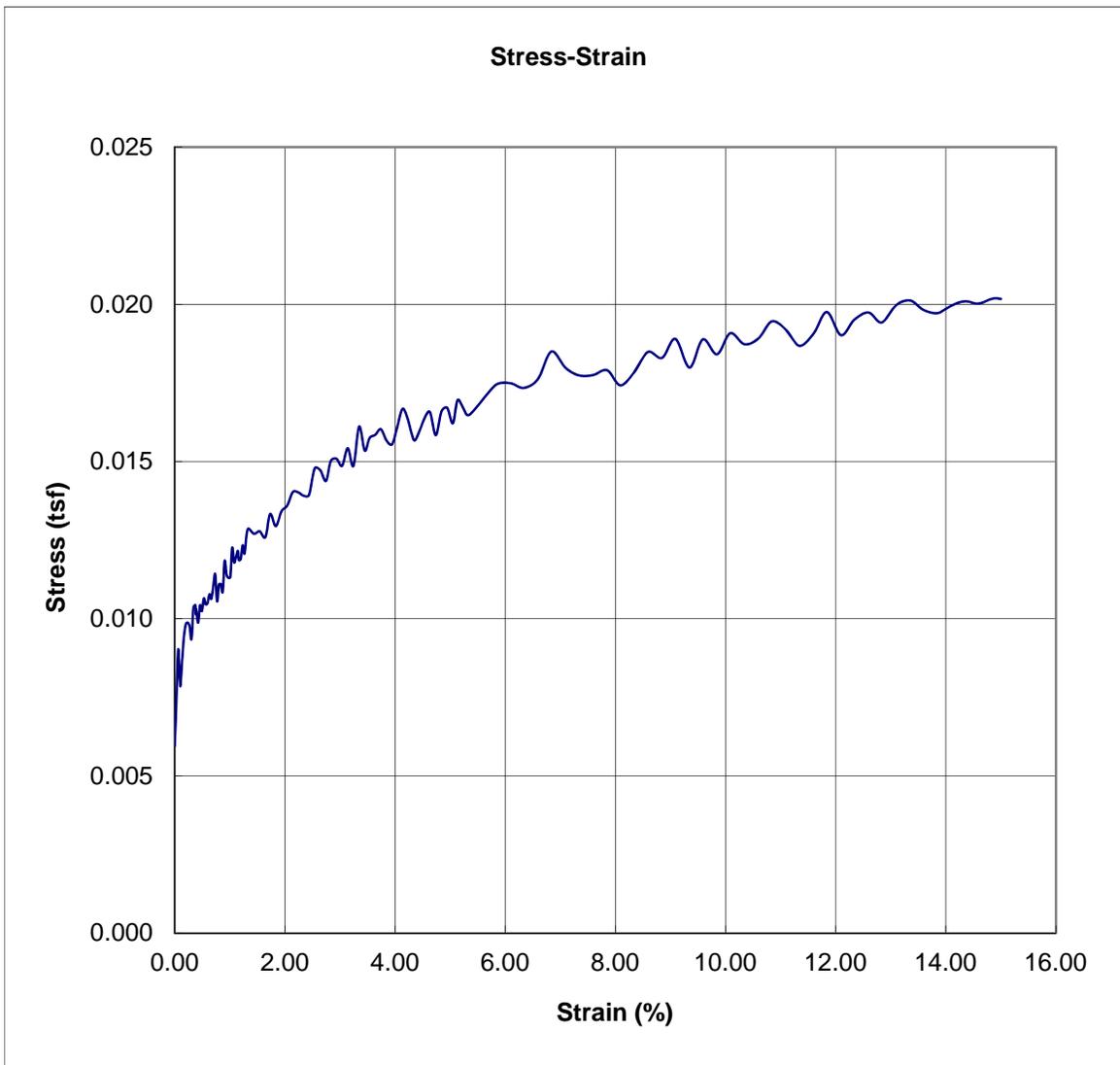
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	10:58:12 AM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	26
Diameter (inch):	2.81	Height (inch):	5.76
Failure:	Multiple Shear	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	2:42:21 PM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	31
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	1.88106732	Test Type:	UU
Failure:	Bulge		



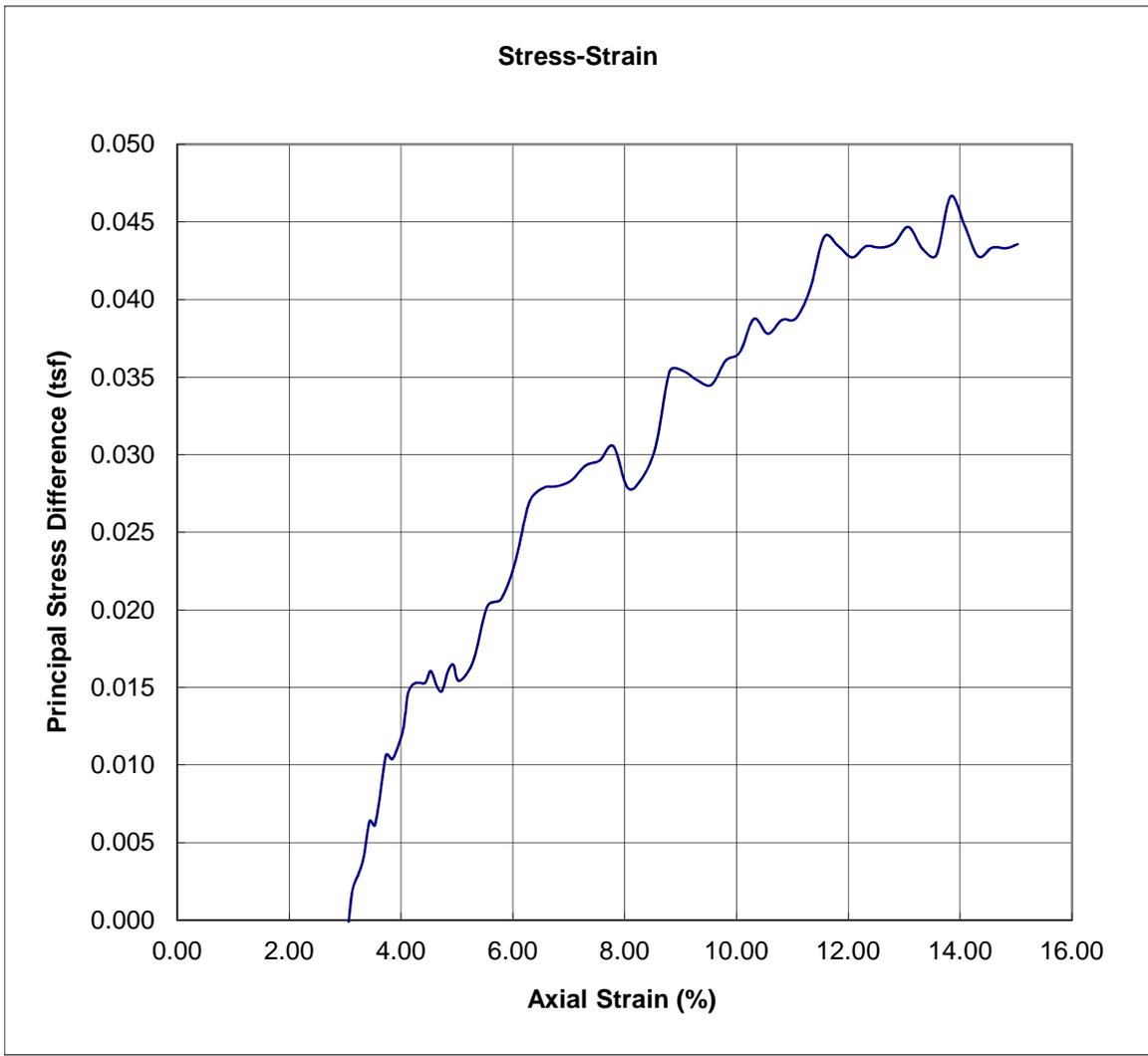
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	11:11:39 AM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	36
Diameter (inch):	2.82	Height (inch):	5.85
Failure:	Multiple Shear	Test Type:	UC



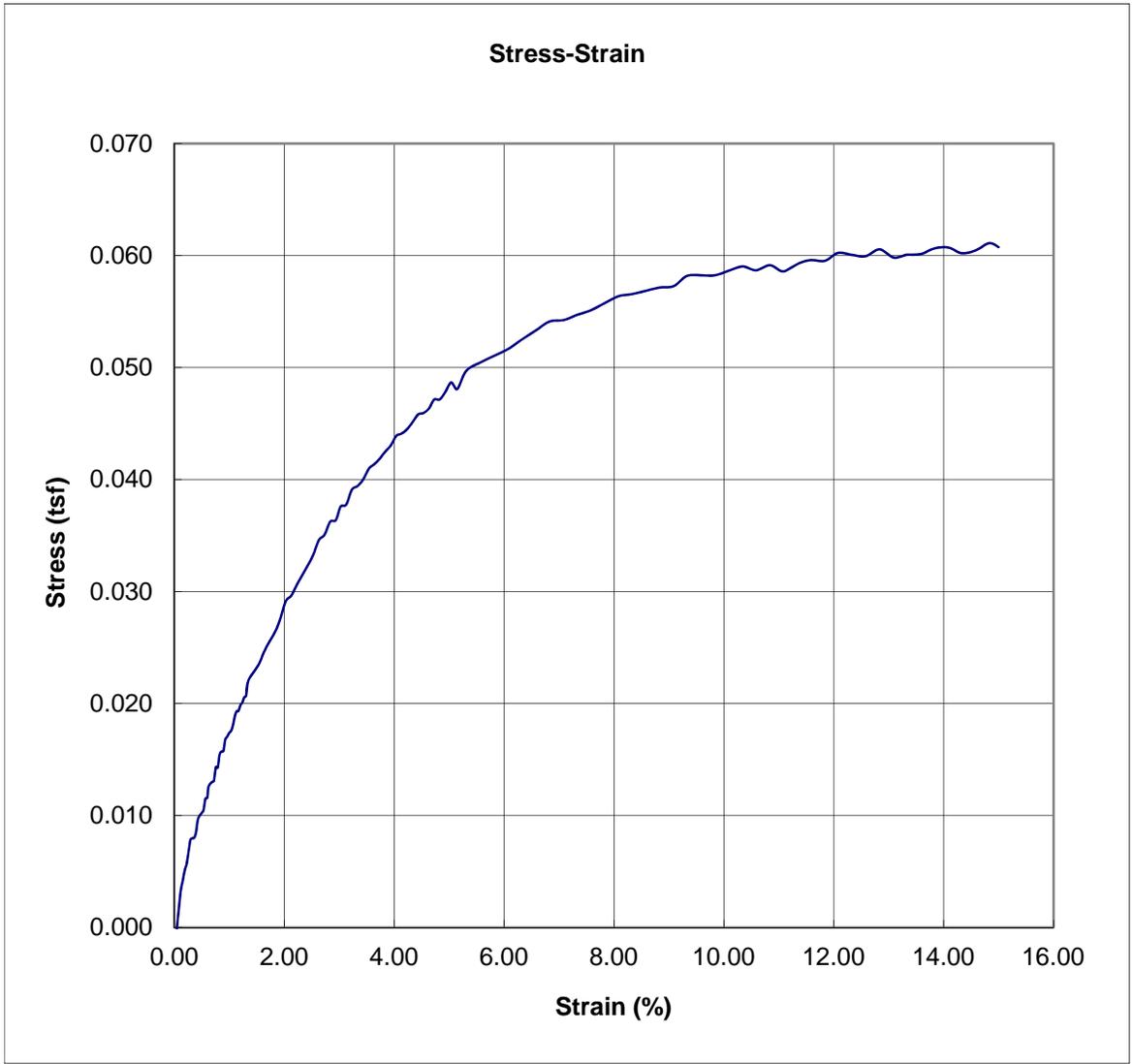
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	9:05:20 AM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	41
Diameter (inch):	2.71	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/10/2011	Time:	3:31:46 PM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	46
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	3.068335231	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	9:45:41 AM
Boring:	5	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	51
Diameter (inch):	2.74	Height (inch):	5.5
Failure:	Yield	Test Type:	UC



Project: 16715-020-00
Date: 6/10/2011
Boring: 5
Specimen: Specimen1
Diameter (inch): 2.87
Piston Correction (lbs): 3.857166493
Failure: Yield

Load Frame Name: Load Frame
Time: 4:30:12 PM
Sample: Sample1
Depth (ft): 56
Height (inch): 6
Test Type: UU



Project: 16715-020-00
Date: 6/1/2011
Boring: 7
Specimen: Specimen1
Diameter (inch): 2.86
Piston Correction (lbs): 0.10007784
Failure: Bulge

Load Frame Name: Load Frame
Time: 11:02:12 PM
Sample: Sample1
Depth (ft): 7
Height (inch): 5.02
Test Type: UU



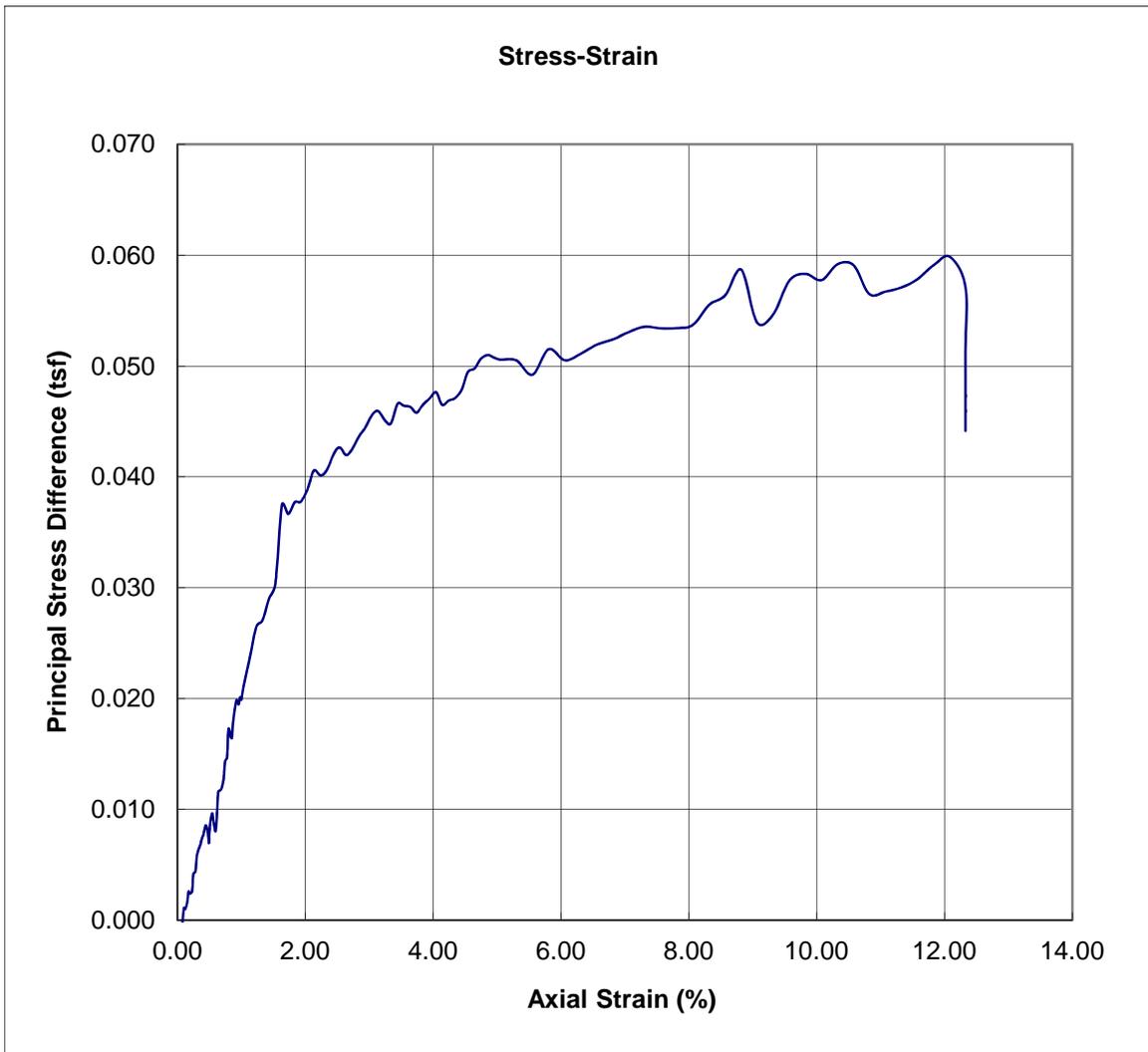
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	11:55:38 PM
Boring:	7	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	9
Diameter (inch):	2.87	Height (inch):	5.23
Piston Correction (lbs):	0.226947449	Test Type:	UU
Failure:	Bulge		



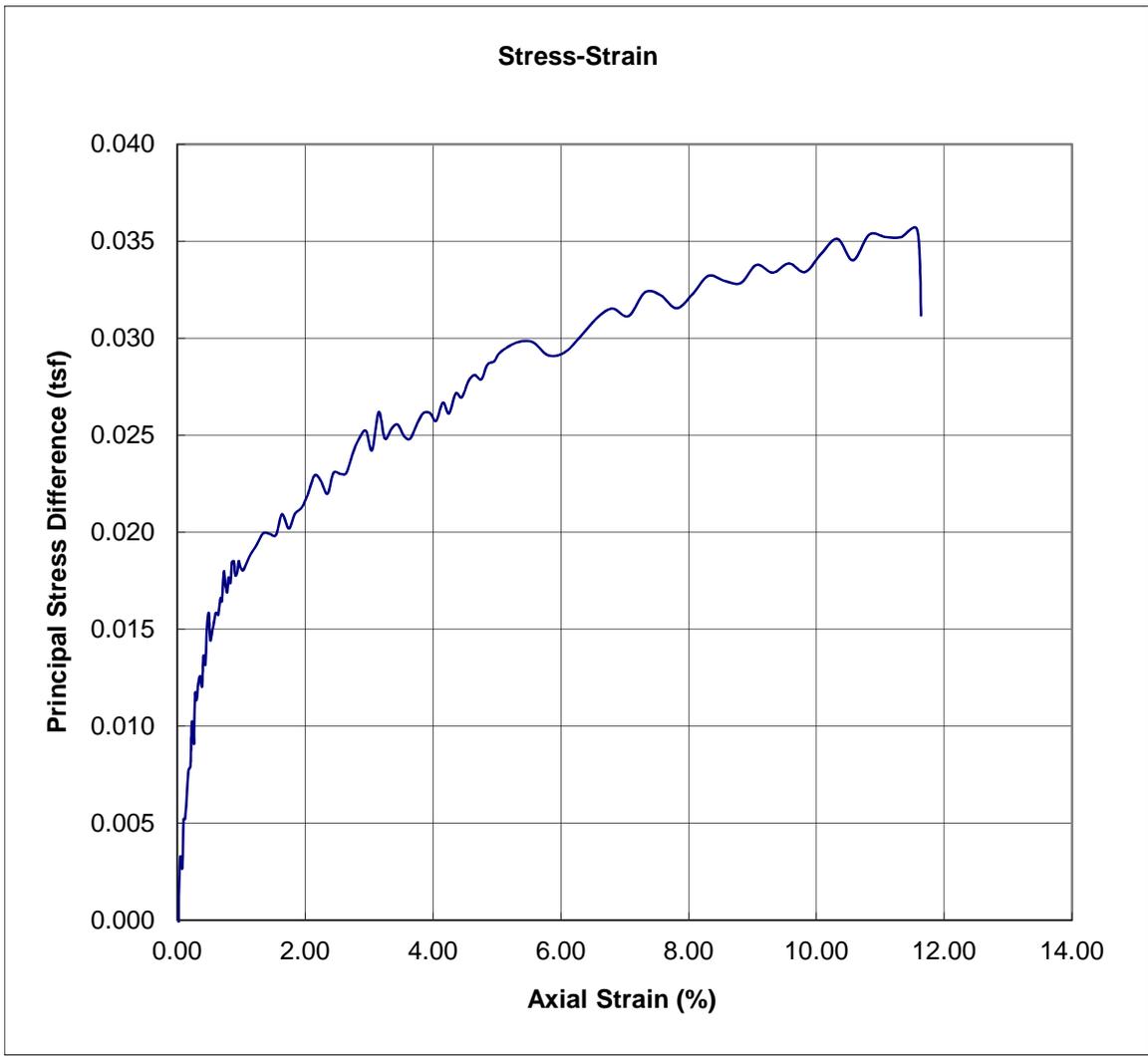
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	8:53:36 AM
Boring:	7	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	11
Diameter (inch):	2.75	Height (inch):	6.05
Piston Correction (lbs):	0.394588364	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	9:48:24 AM
Boring:	7	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	15
Diameter (inch):	2.79	Height (inch):	5.8
Piston Correction (lbs):	0.701302129	Test Type:	UU
Failure:	Bulge		

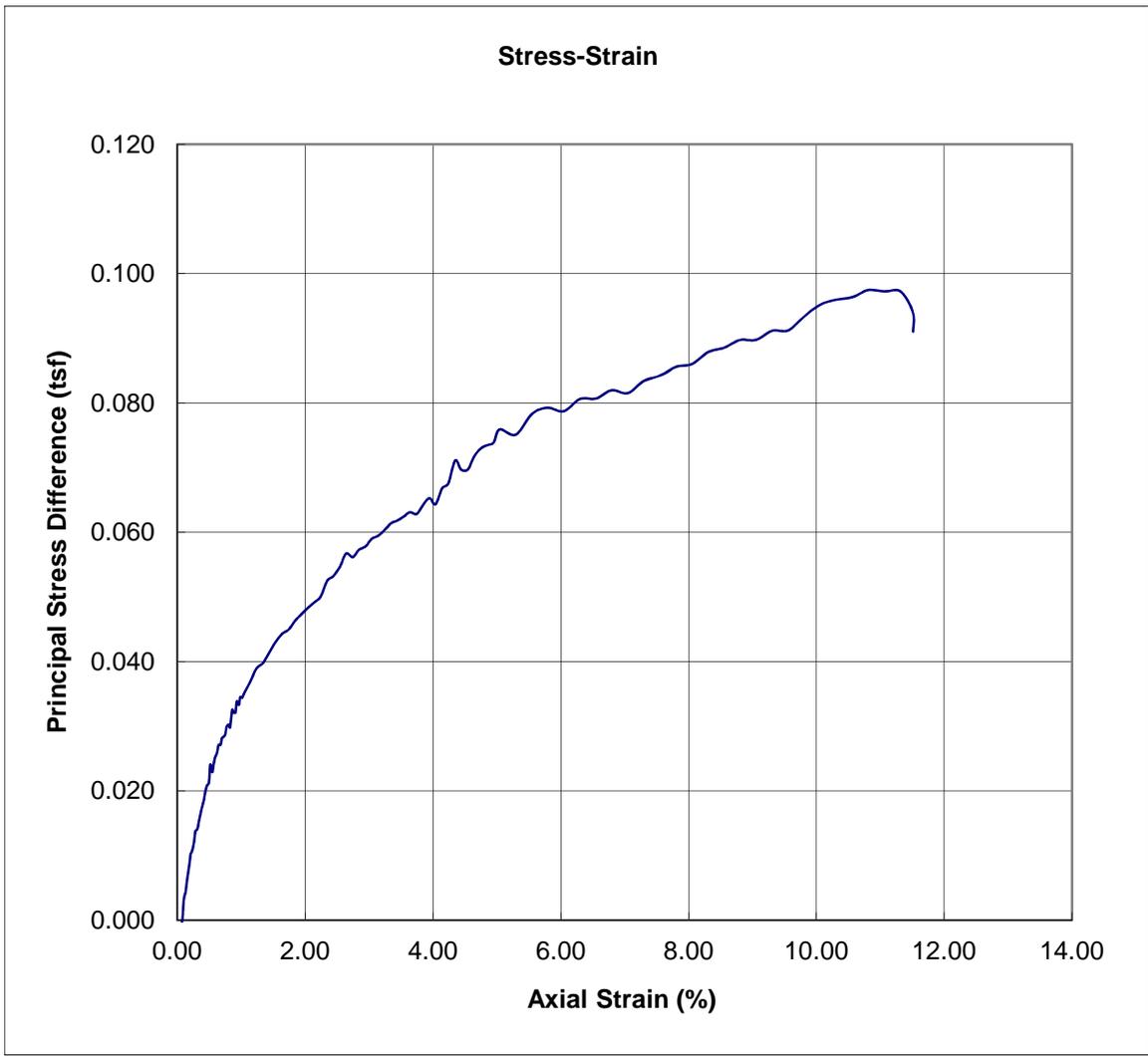


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	10:39:11 AM
Boring:	7	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	17
Diameter (inch):	2.87	Height (inch):	5.8
Piston Correction (lbs):	0.855881213	Test Type:	UU
Failure:	Bulge		

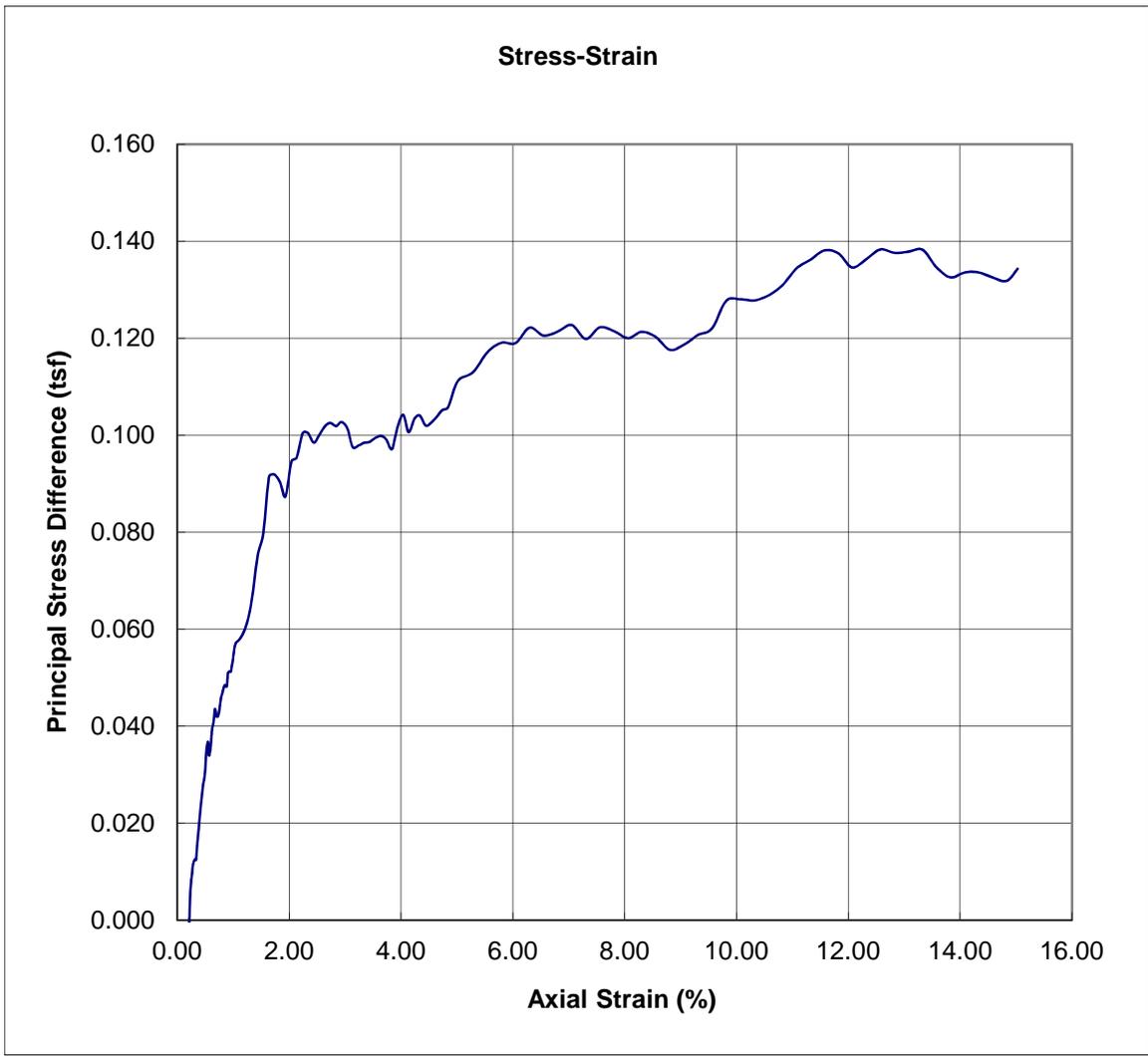


Project: 16715-020-00
Date: 6/2/2011
Boring: 7
Specimen: Specimen1
Diameter (inch): 2.69
Piston Correction (lbs): 1.170979135
Failure: Bulge

Load Frame Name: Load Frame
Time: 11:20:28 AM
Sample: Sample1
Depth (ft): 21
Height (inch): 5.7
Test Type: UU



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	11:18:58 AM
Boring:	7	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	23
Diameter (inch):	2.84	Height (inch):	5
Piston Correction (lbs):	1.331976202	Test Type:	UU
Failure:	Bulge		

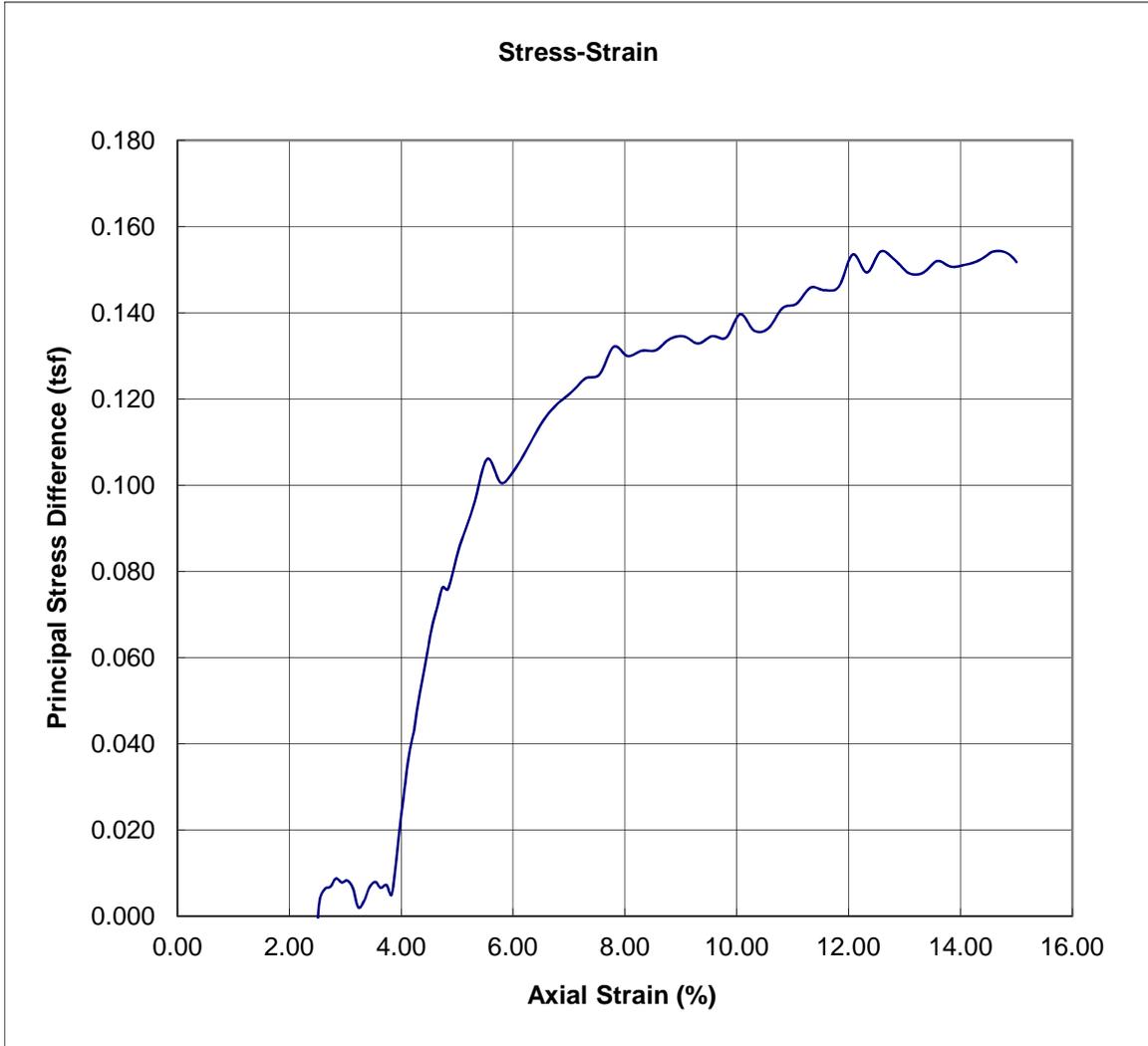


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	9:47:25 AM
Boring:	7	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	30
Diameter (inch):	2.84	Height (inch):	6
Piston Correction (lbs):	1.884123201	Test Type:	UU
Failure:	Yield		



Project: 16715-020-00
Date: 6/2/2011
Boring: 7
Specimen: Specimen1
Diameter (inch): 2.85
Piston Correction (lbs): 3.056055892
Failure: Bulge

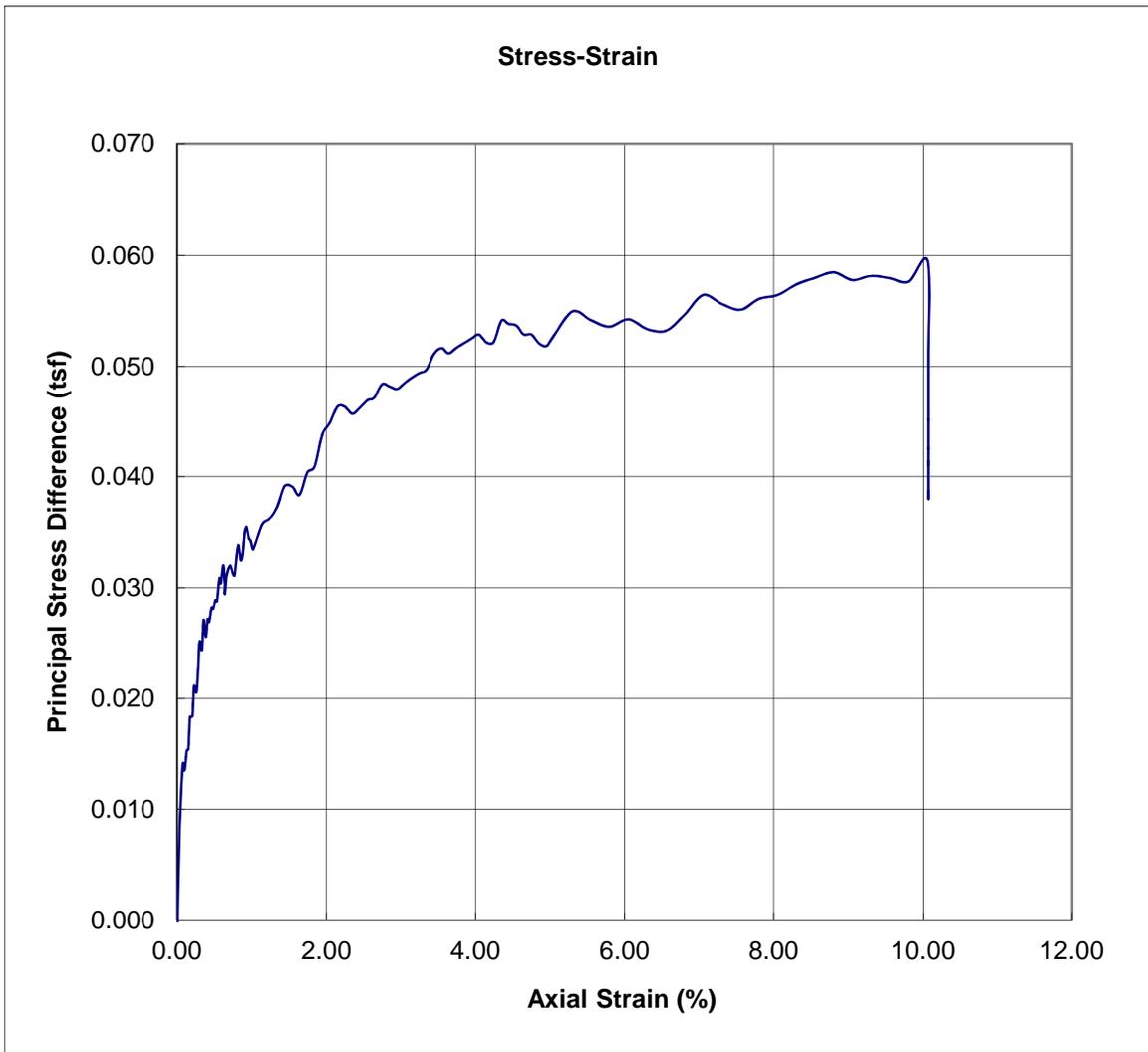
Load Frame Name: Load Frame
Time: 10:33:41 AM
Sample: Sample1
Depth (ft): 45
Height (inch): 6
Test Type: UU



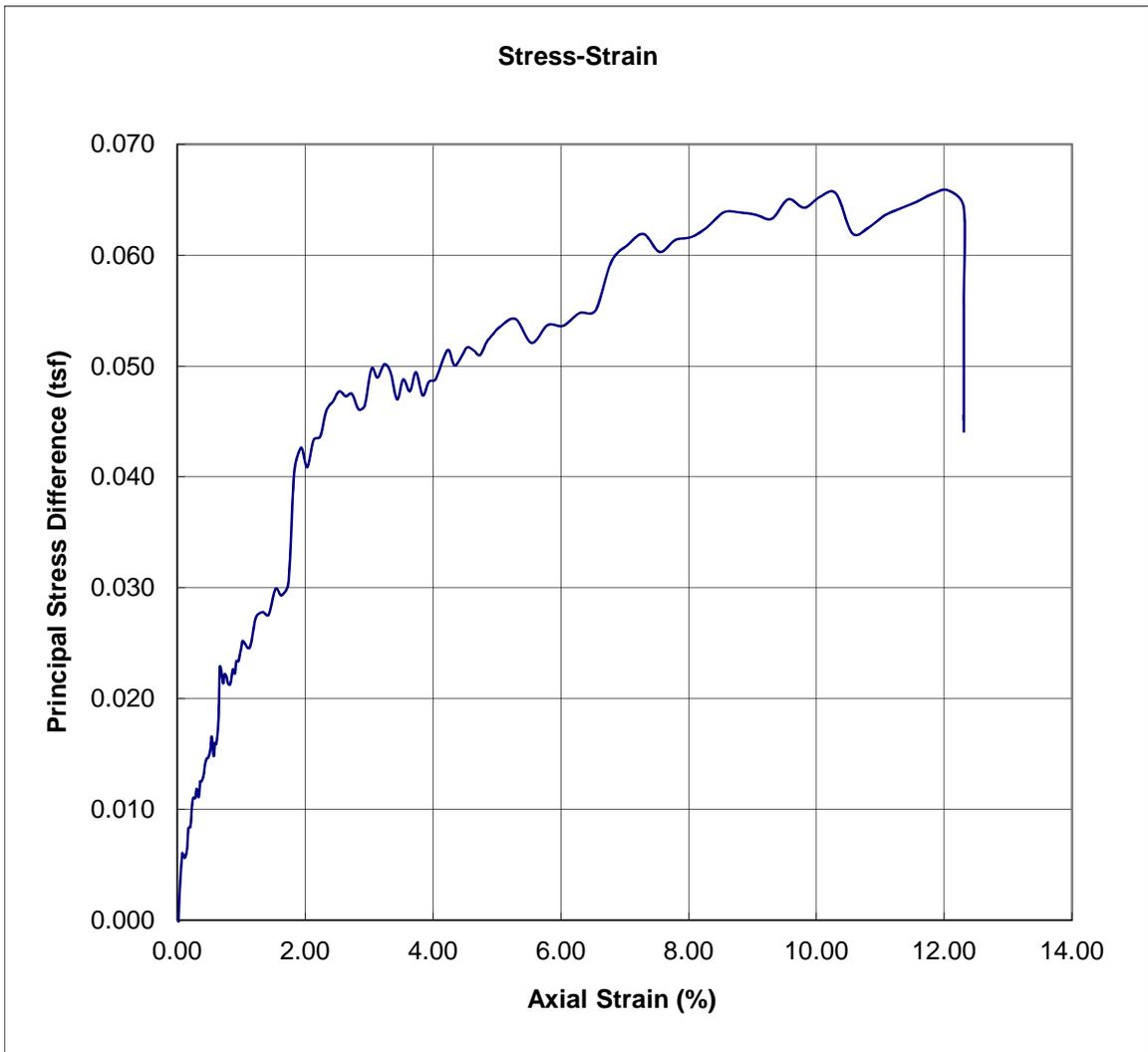
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	1:45:00 PM
Boring:	11	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	5
Diameter (inch):	2.84	Height (inch):	5.9
Piston Correction (lbs):	7.68E-02	Test Type:	UU
Failure:	Bulge		



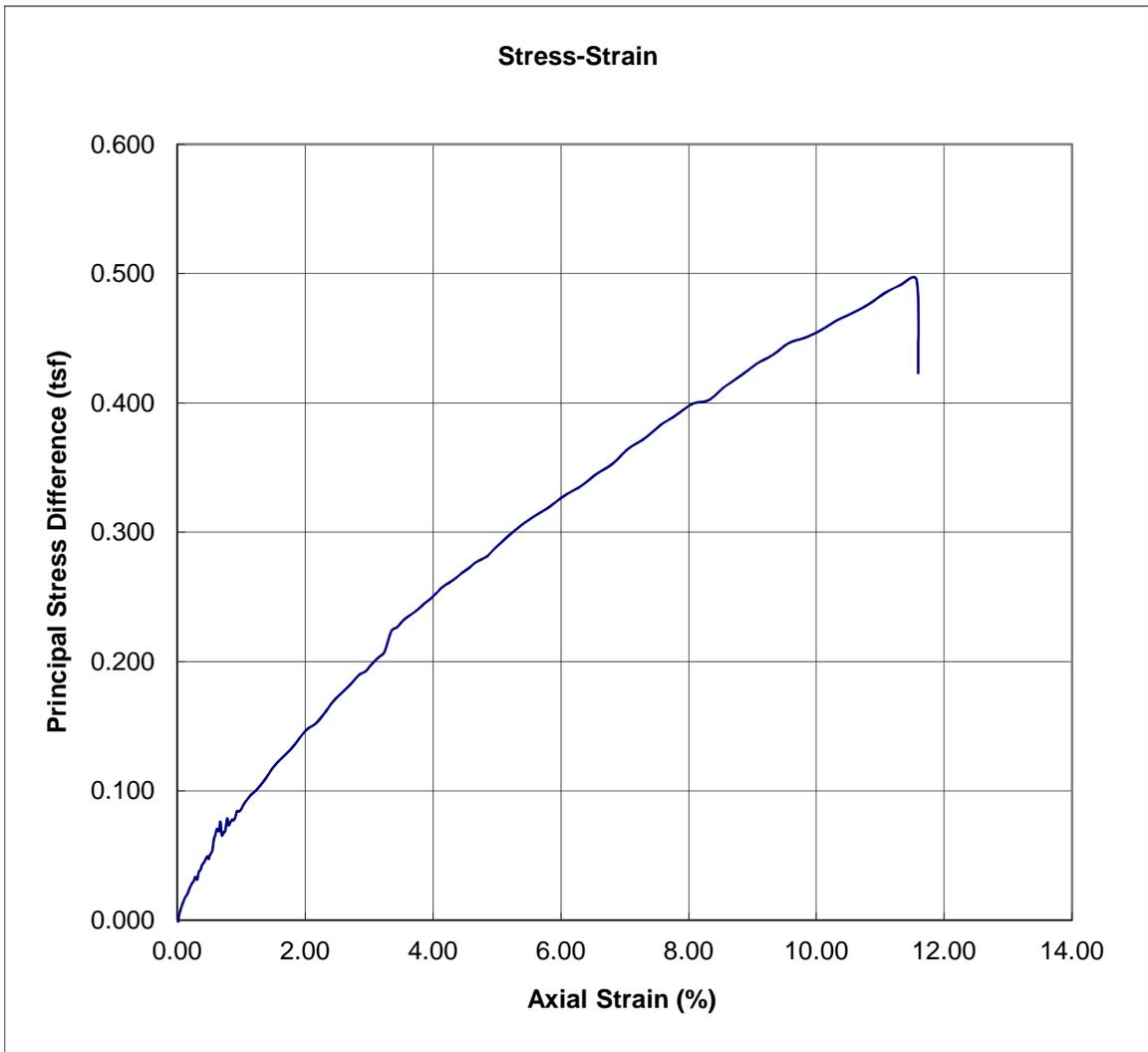
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	2:31:57 PM
Boring:	11	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	7
Diameter (inch):	2.79	Height (inch):	6
Piston Correction (lbs):	0.236818891	Test Type:	UU
Failure:	Bulge		



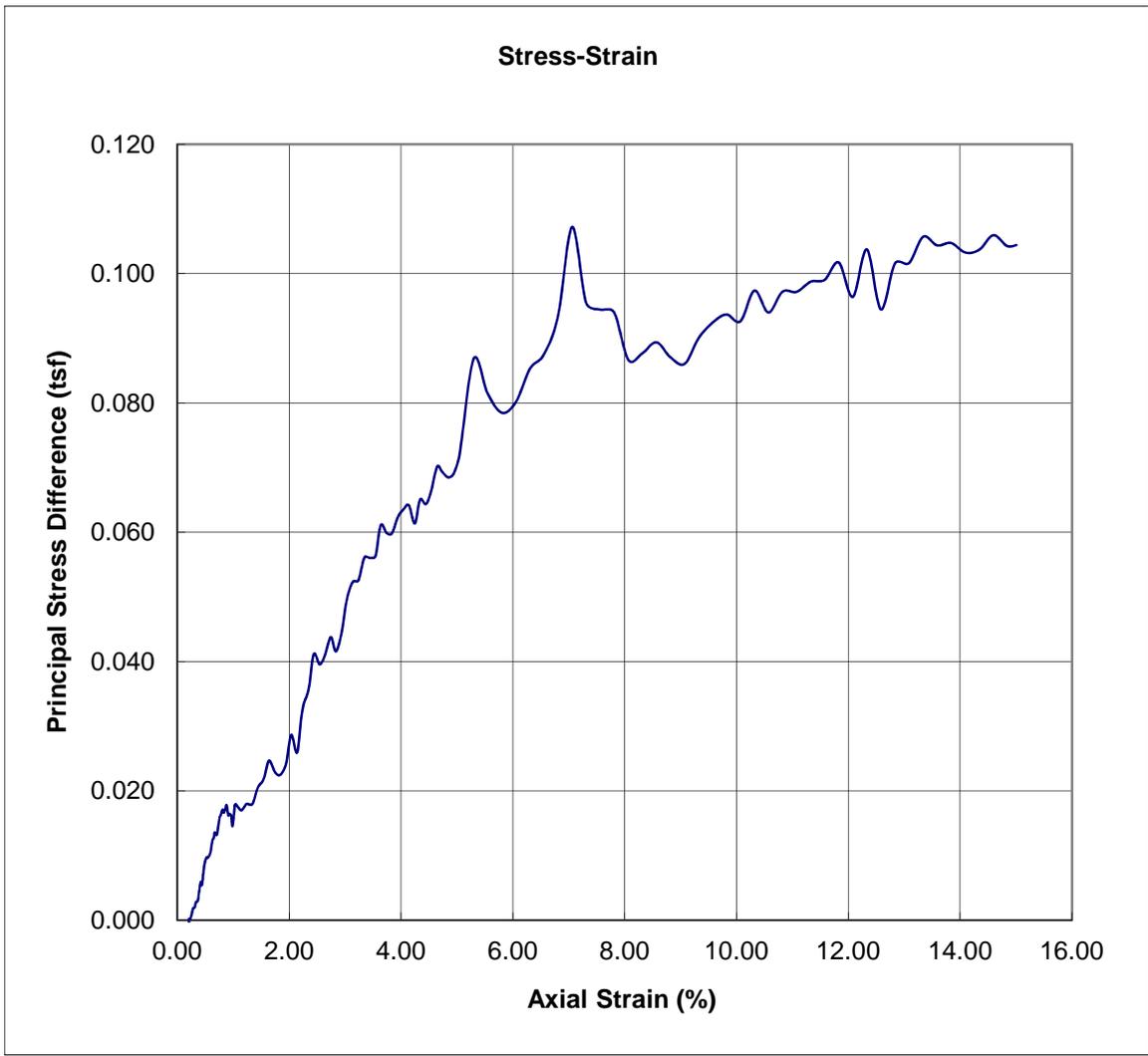
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	3:33:52 PM
Boring:	11	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	9
Diameter (inch):	2.81	Height (inch):	5.3
Piston Correction (lbs):	0.370454003	Test Type:	UU
Failure:	Bulge		



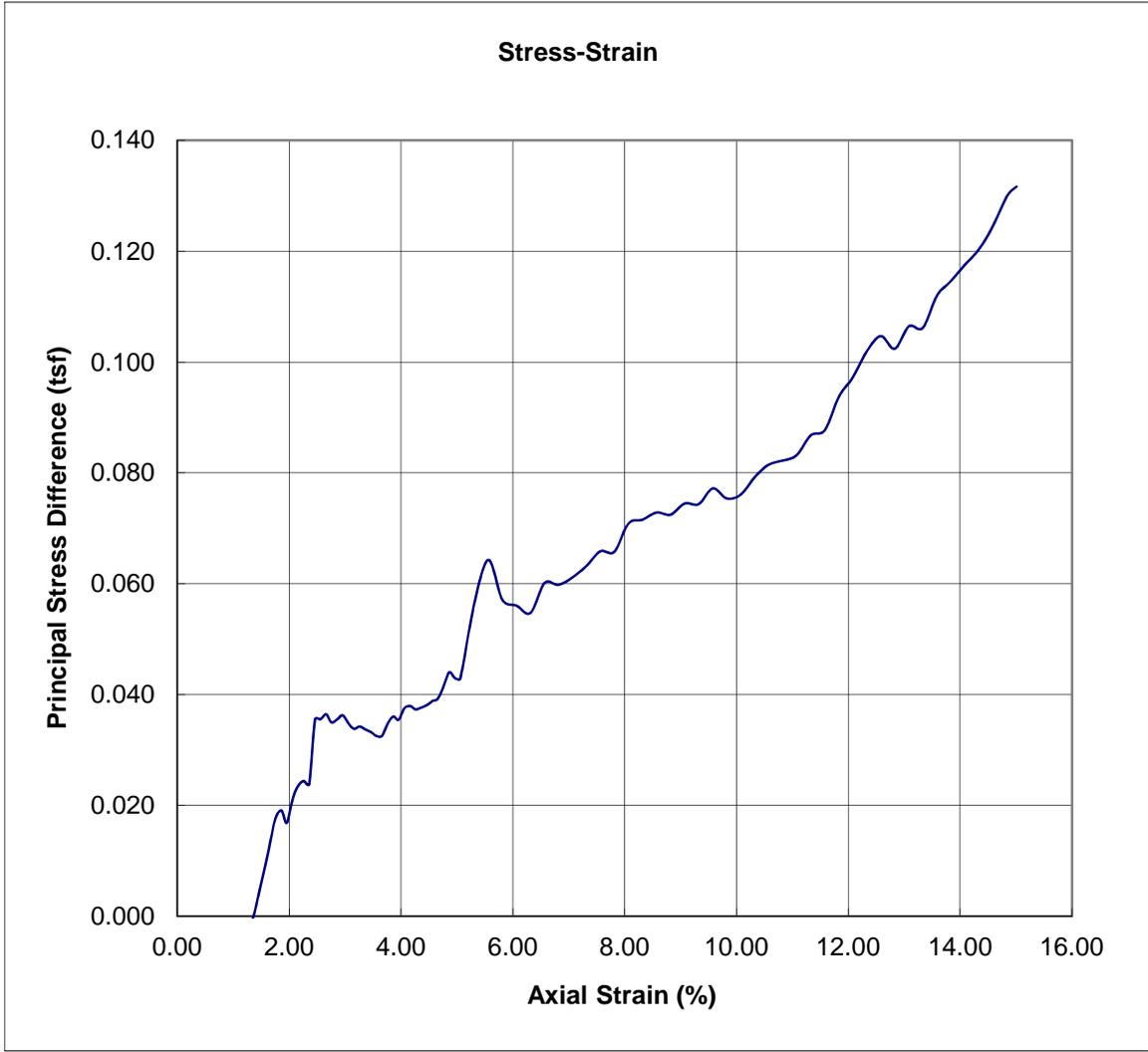
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	4:16:39 PM
Boring:	11	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	13
Diameter (inch):	2.73	Height (inch):	5.6
Piston Correction (lbs):	0.694935425	Test Type:	UU
Failure:	Bulge		



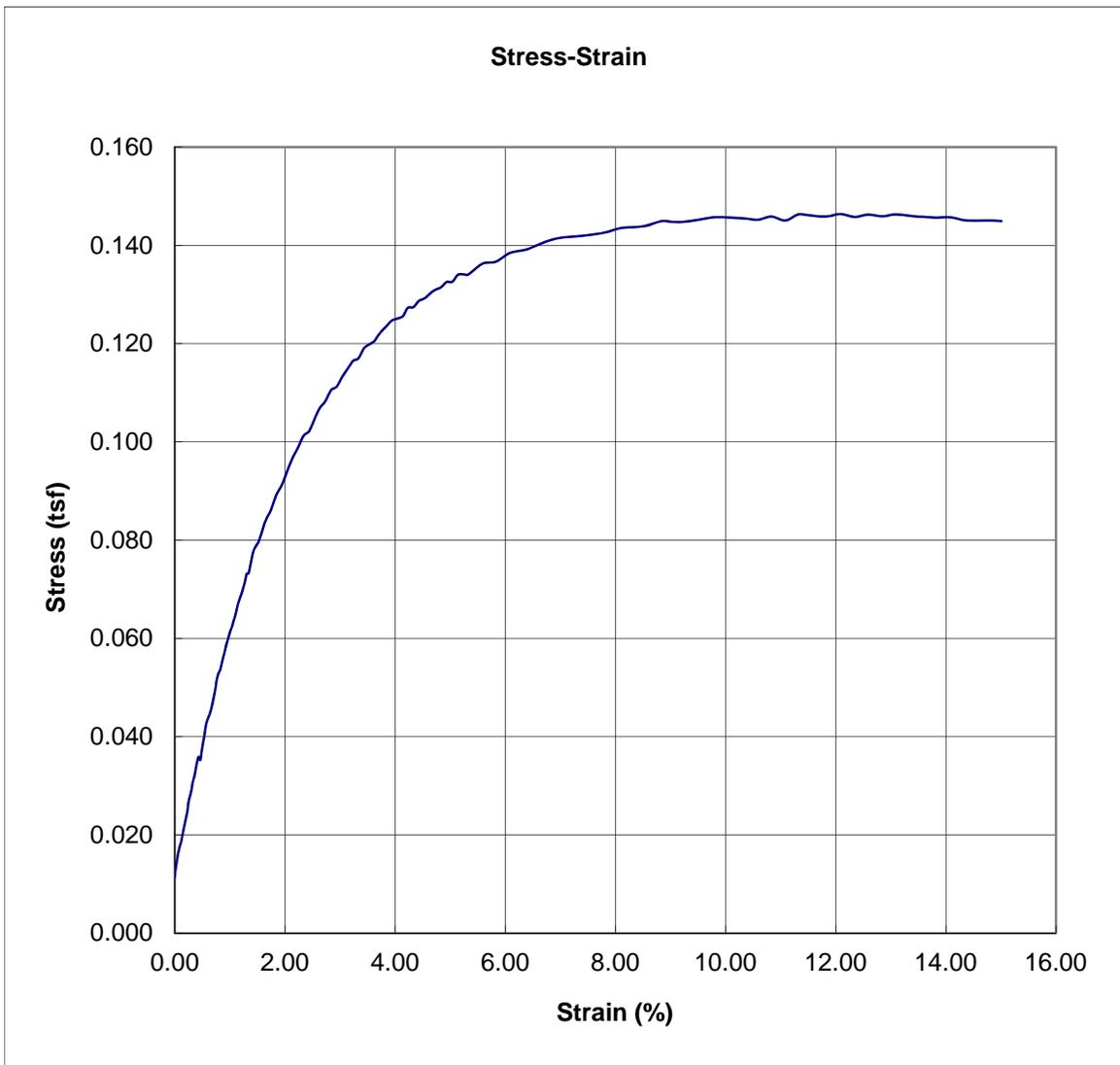
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	1:41:07 PM
Boring:	11	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	19
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	1.173861105	Test Type:	UU
Failure:	Bulge		



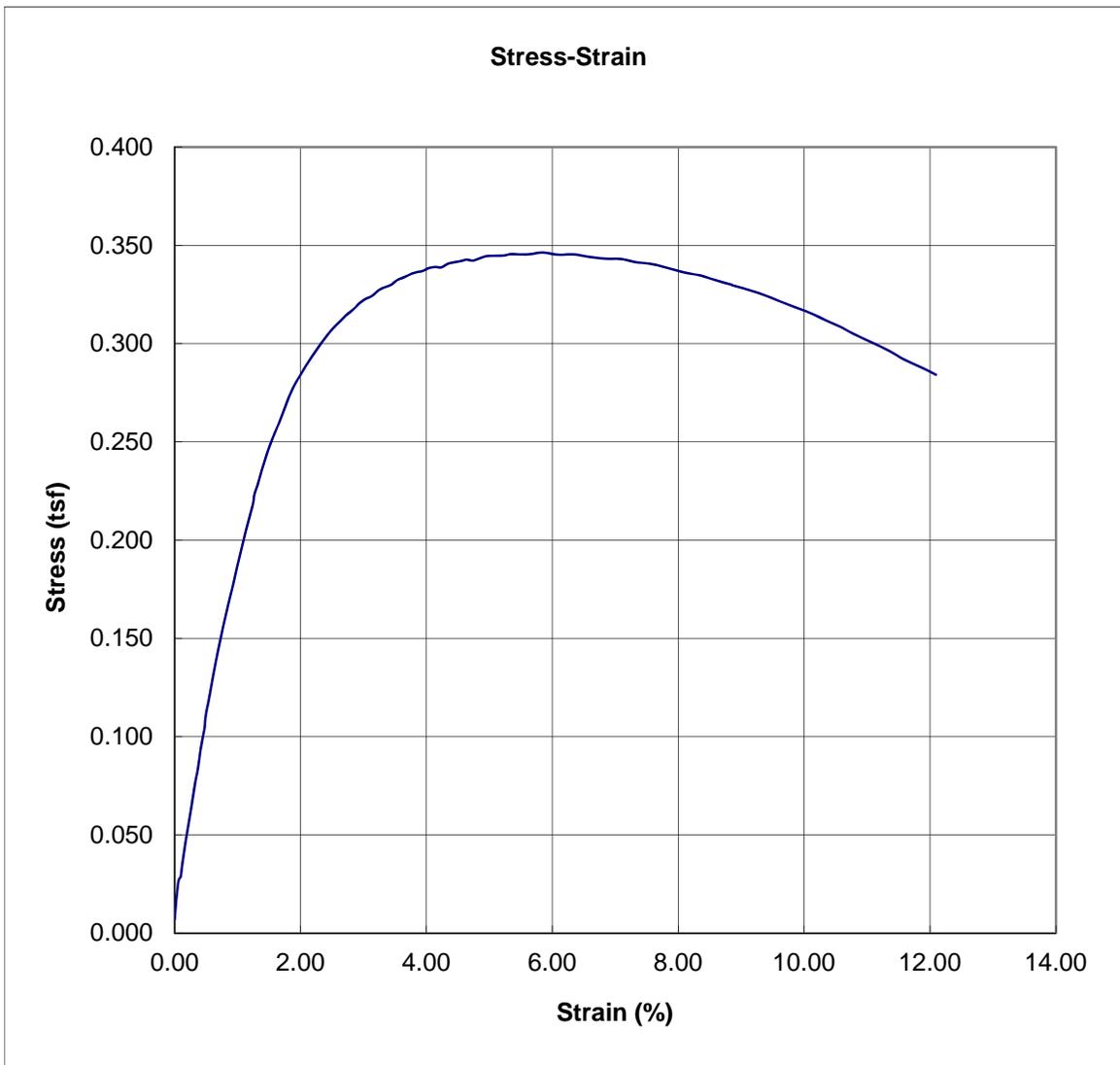
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	2:46:09 PM
Boring:	11	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	21
Diameter (inch):	2.85	Height (inch):	6
Piston Correction (lbs):	1.336576303	Test Type:	UU
Failure:	Yield		



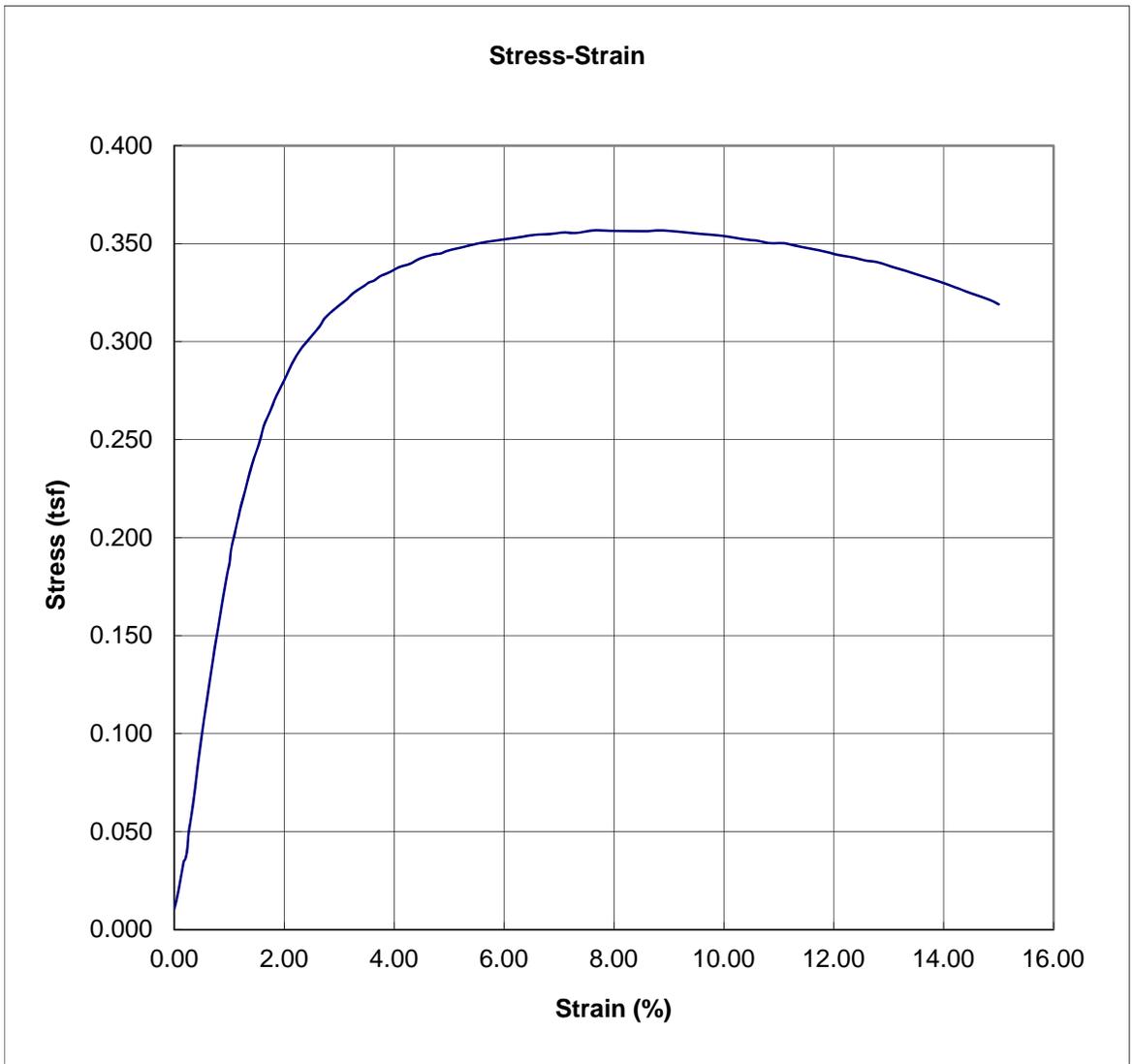
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	5:17:33 PM
Boring:	11	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	28
Diameter (inch):	2.79	Height (inch):	6.06
Failure:	Multiple Shear	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	5:37:29 PM
Boring:	11	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	33
Diameter (inch):	2.81	Height (inch):	6.05
Failure:	Multiple Shear	Test Type:	UC



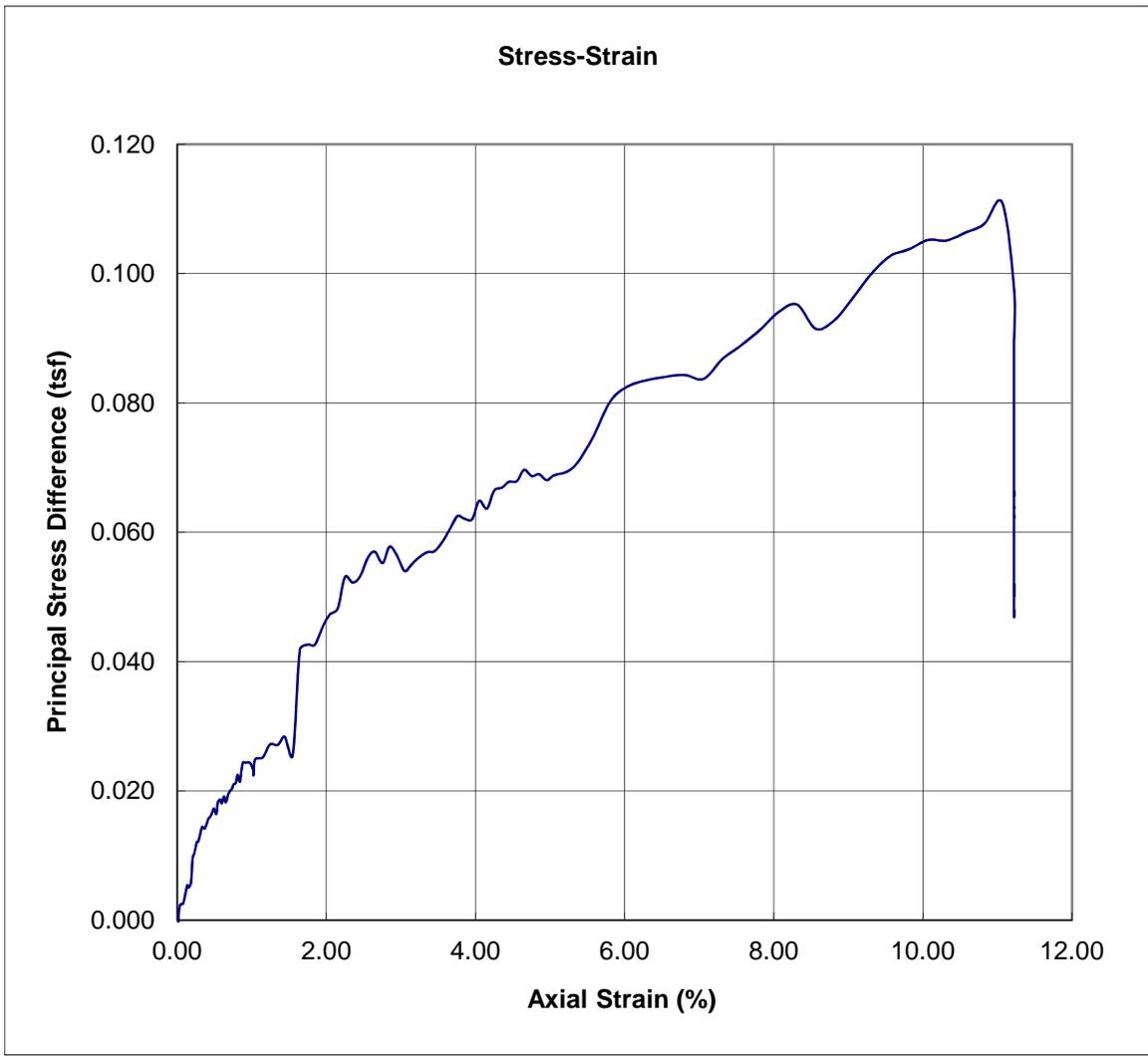
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/2/2011	Time:	5:52:03 PM
Boring:	11	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	43
Diameter (inch):	2.82	Height (inch):	6.01
Failure:	Multiple Shear	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/3/2011	Time:	9:00:42 AM
Boring:	12	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	5
Diameter (inch):	2.79	Height (inch):	5.28
Piston Correction (lbs):	7.99E-02	Test Type:	UU
Failure:	Bulge		

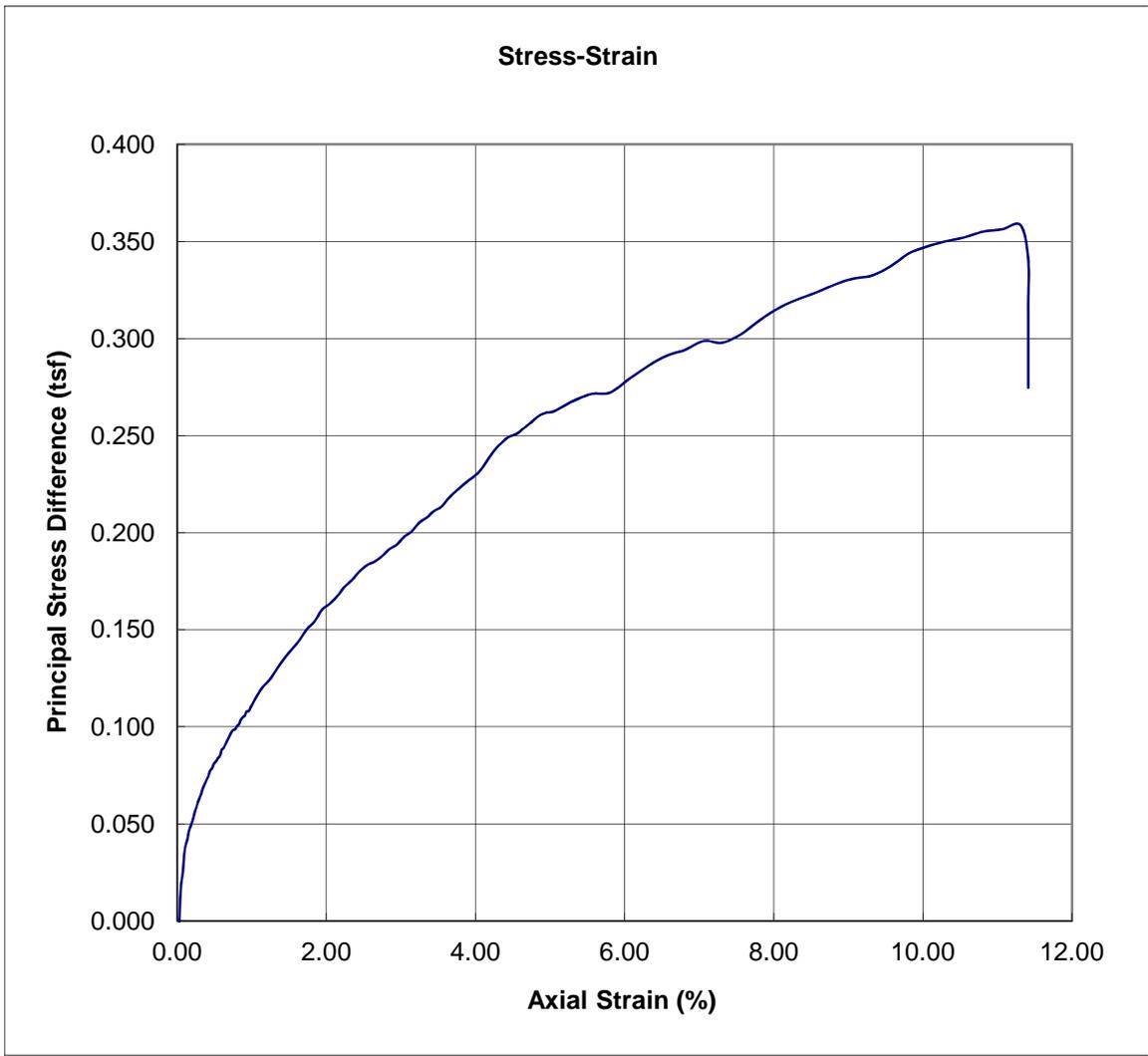


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/3/2011	Time:	9:39:07 AM
Boring:	12	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	7
Diameter (inch):	2.72	Height (inch):	5.43
Piston Correction (lbs):	0.204778931	Test Type:	UU
Failure:	Bulge		

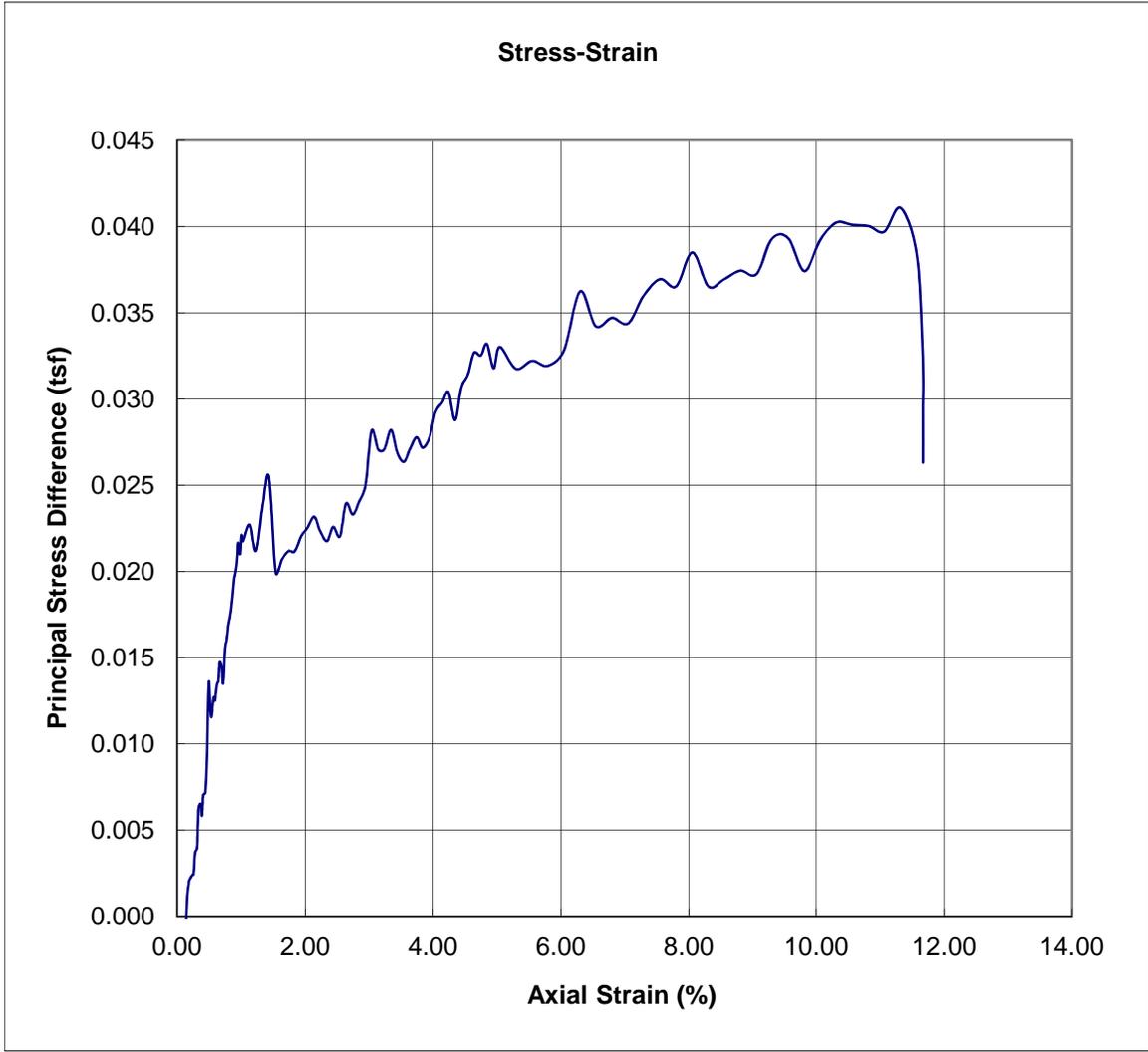


Project: 16715-020-00
Date: 6/3/2011
Boring: 12
Specimen: Specimen1
Diameter (inch): 2.68
Piston Correction (lbs): 0.85434701
Failure: Bulge

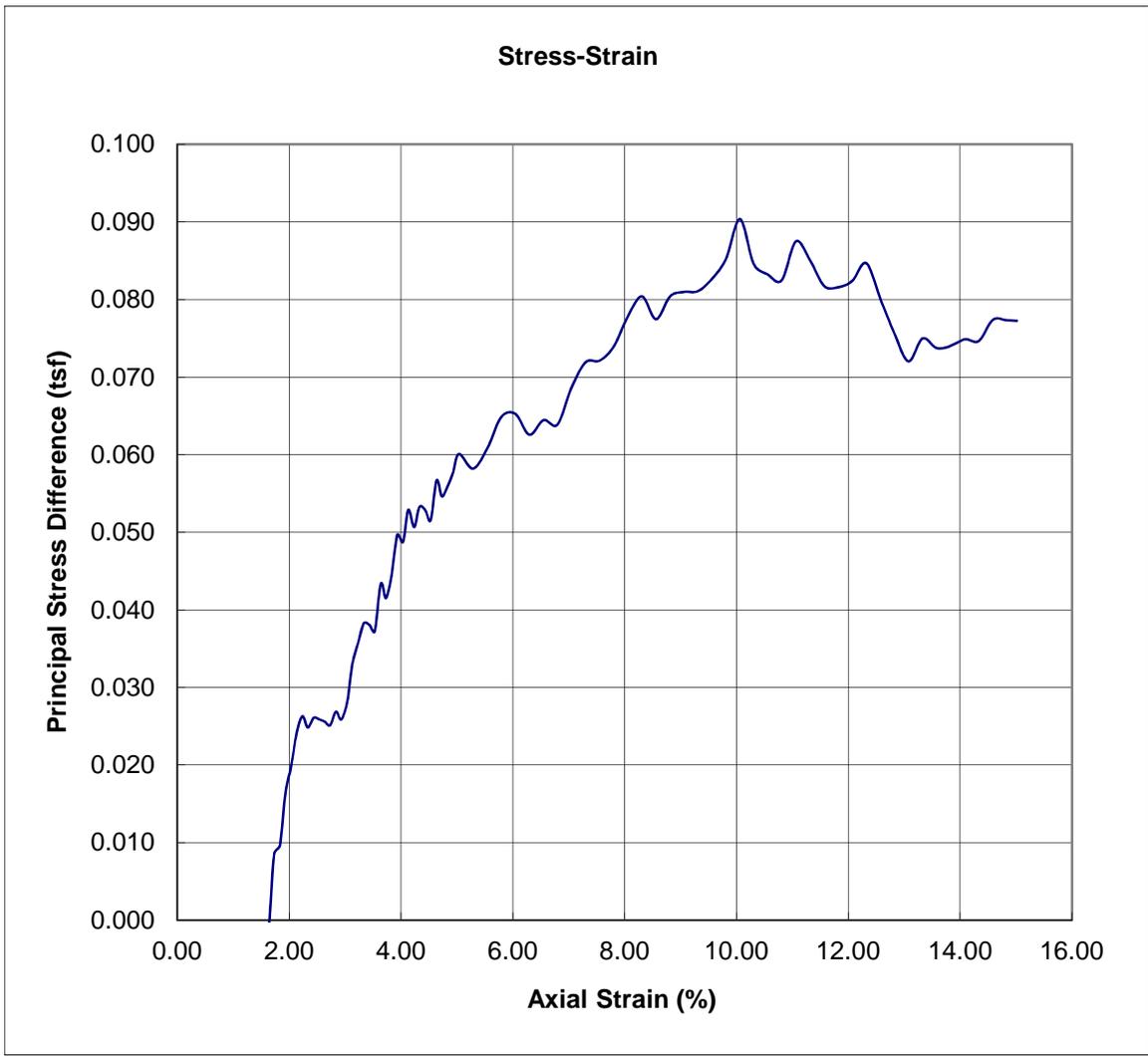
Load Frame Name: Load Frame
Time: 11:04:03 AM
Sample: Sample1
Depth (ft): 15
Height (inch): 5.53
Test Type: UU



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/3/2011	Time:	1:24:25 PM
Boring:	12	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	17
Diameter (inch):	2.83	Height (inch):	6
Piston Correction (lbs):	1.013111135	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/3/2011	Time:	9:48:01 AM
Boring:	12	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	19
Diameter (inch):	2.85	Height (inch):	6
Piston Correction (lbs):	1.173889013	Test Type:	UU
Failure:	Bulge		



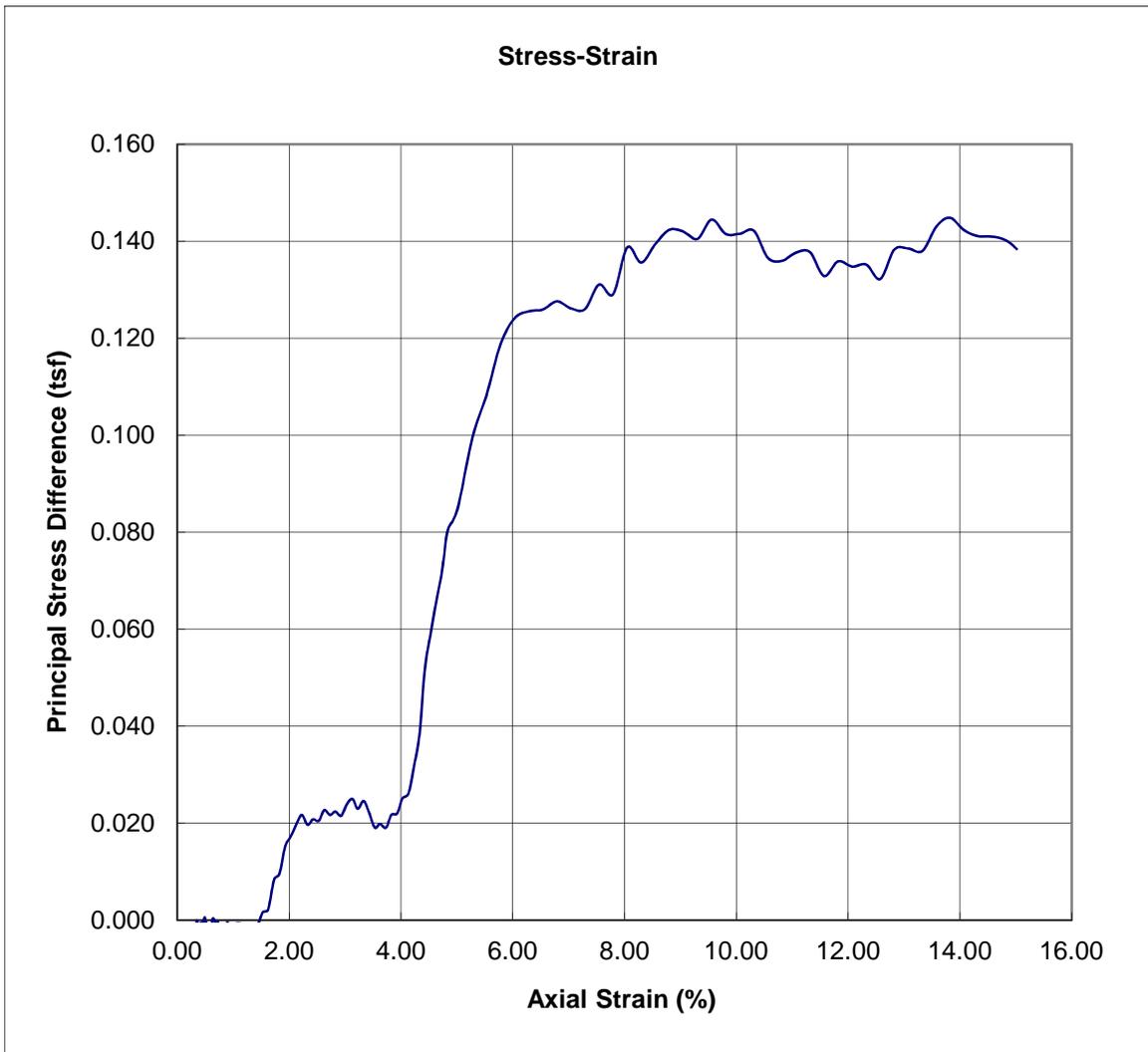
Project: 16715-020-00
Date: 6/3/2011
Boring: 12
Specimen: Specimen1
Diameter (inch): 2.86
Piston Correction (lbs): 1.332613426
Failure: Bulge

Load Frame Name: Load Frame
Time: 10:48:23 AM
Sample: Sample1
Depth (ft): 21
Height (inch): 6
Test Type: UU

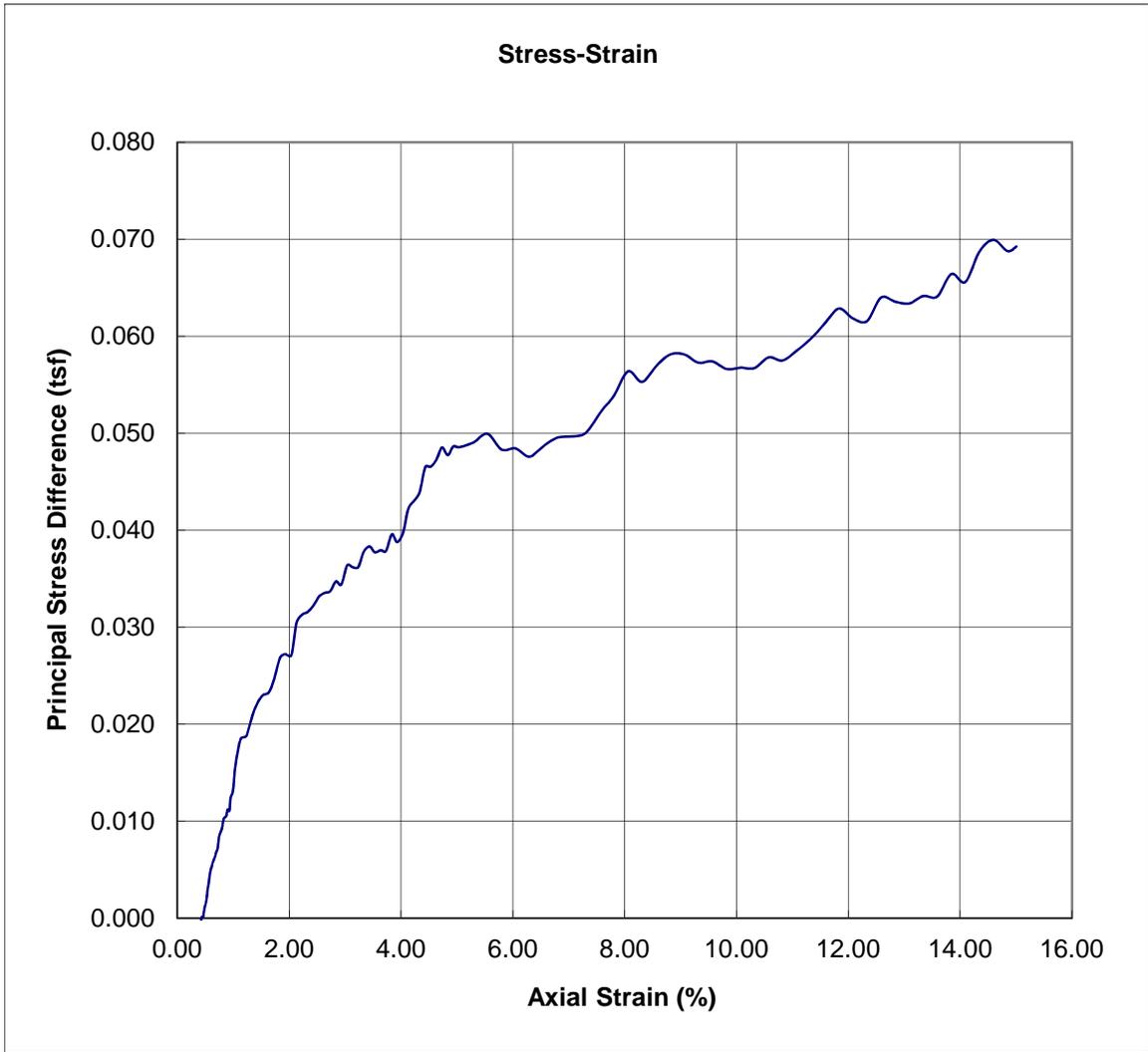


Project: 16715-020-00
Date: 6/3/2011
Boring: 12
Specimen: Specimen1
Diameter (inch): 2.87
Piston Correction (lbs): 1.882672006
Failure: Bulge

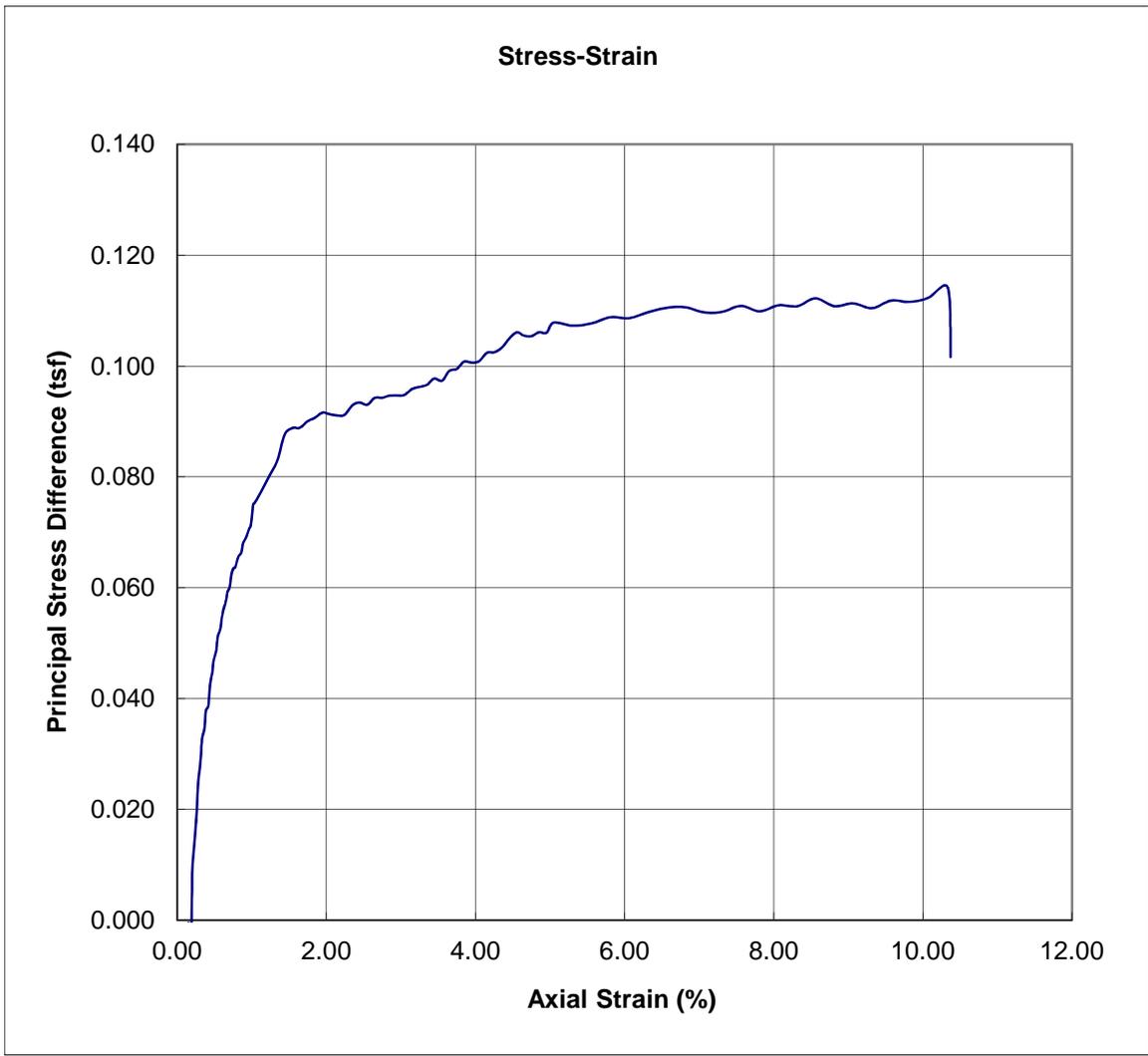
Load Frame Name: Load Frame
Time: 11:41:03 AM
Sample: Sample1
Depth (ft): 28
Height (inch): 6
Test Type: UU



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/3/2011	Time:	1:57:57 PM
Boring:	12	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	38
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	2.671191633	Test Type:	UU
Failure:	Yield		



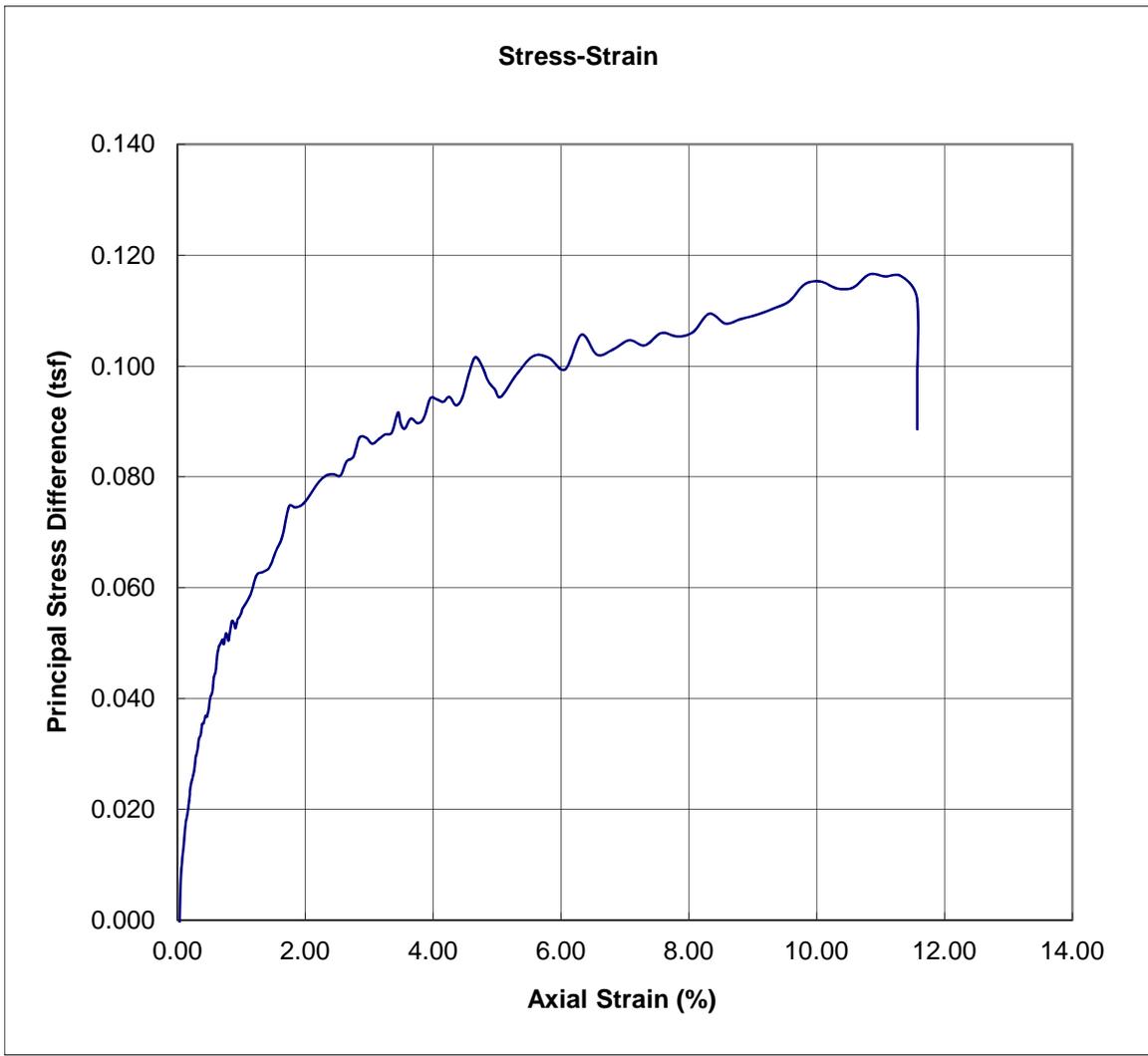
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/3/2011	Time:	2:15:23 PM
Boring:	12	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	43
Diameter (inch):	2.8	Height (inch):	5.98
Piston Correction (lbs):	3.048354701	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	10:50:51 AM
Boring:	13	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	6
Diameter (inch):	2.8	Height (inch):	5.85
Piston Correction (lbs):	7.74E-02	Test Type:	UU
Failure:	Bulge		



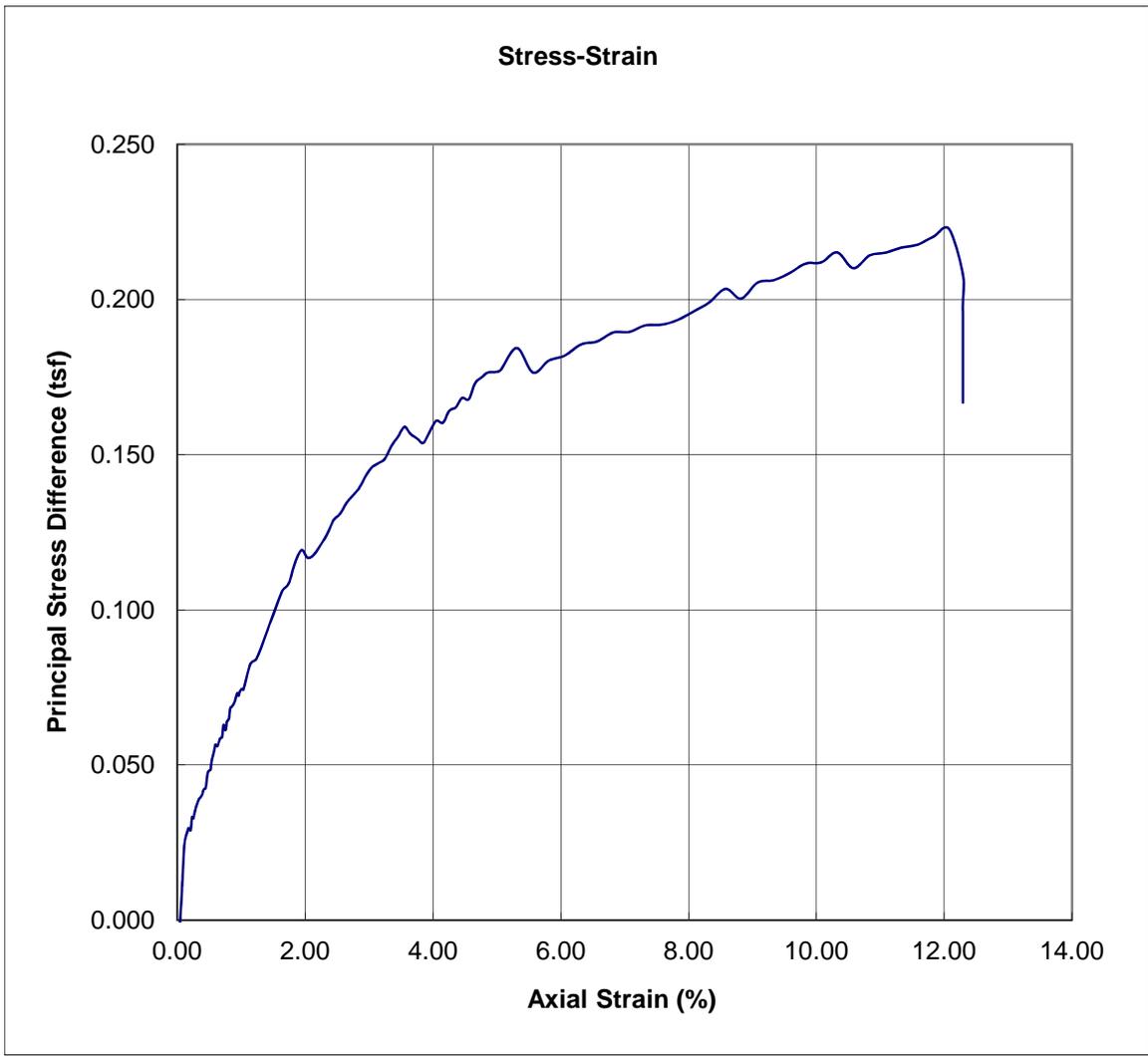
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	11:33:11 AM
Boring:	13	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	8
Diameter (inch):	2.79	Height (inch):	5.76
Piston Correction (lbs):	0.232765219	Test Type:	UU
Failure:	Bulge		



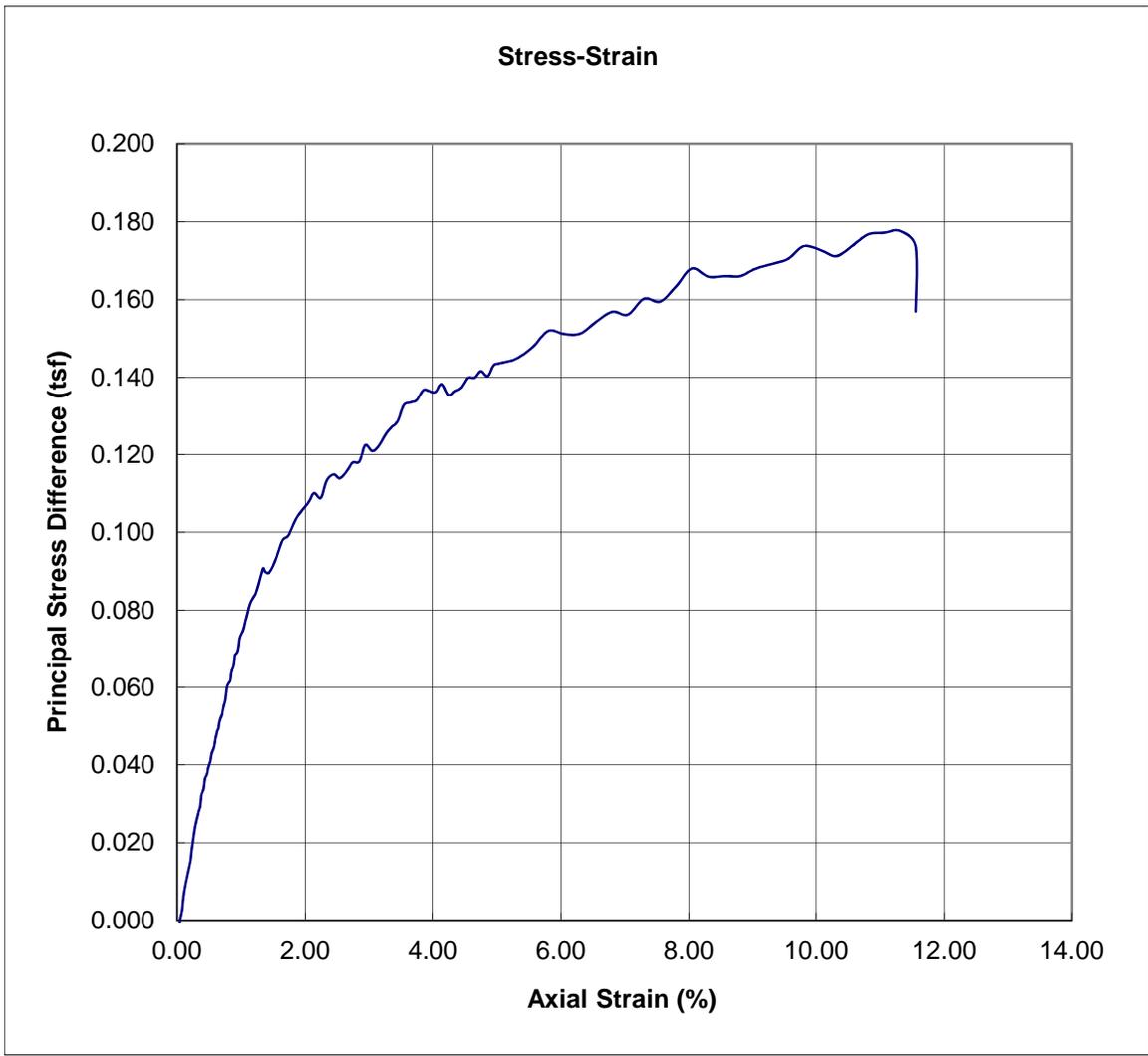
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	1:29:34 PM
Boring:	13	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	10
Diameter (inch):	2.76	Height (inch):	5.91
Piston Correction (lbs):	0.401757358	Test Type:	Bulge
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	2:09:26 PM
Boring:	13	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	12
Diameter (inch):	2.78	Height (inch):	5.72
Piston Correction (lbs):	0.54585038	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	3:03:49 PM
Boring:	13	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	16
Diameter (inch):	2.71	Height (inch):	5.64
Piston Correction (lbs):	0.864706394	Test Type:	UU
Failure:	Bulge		

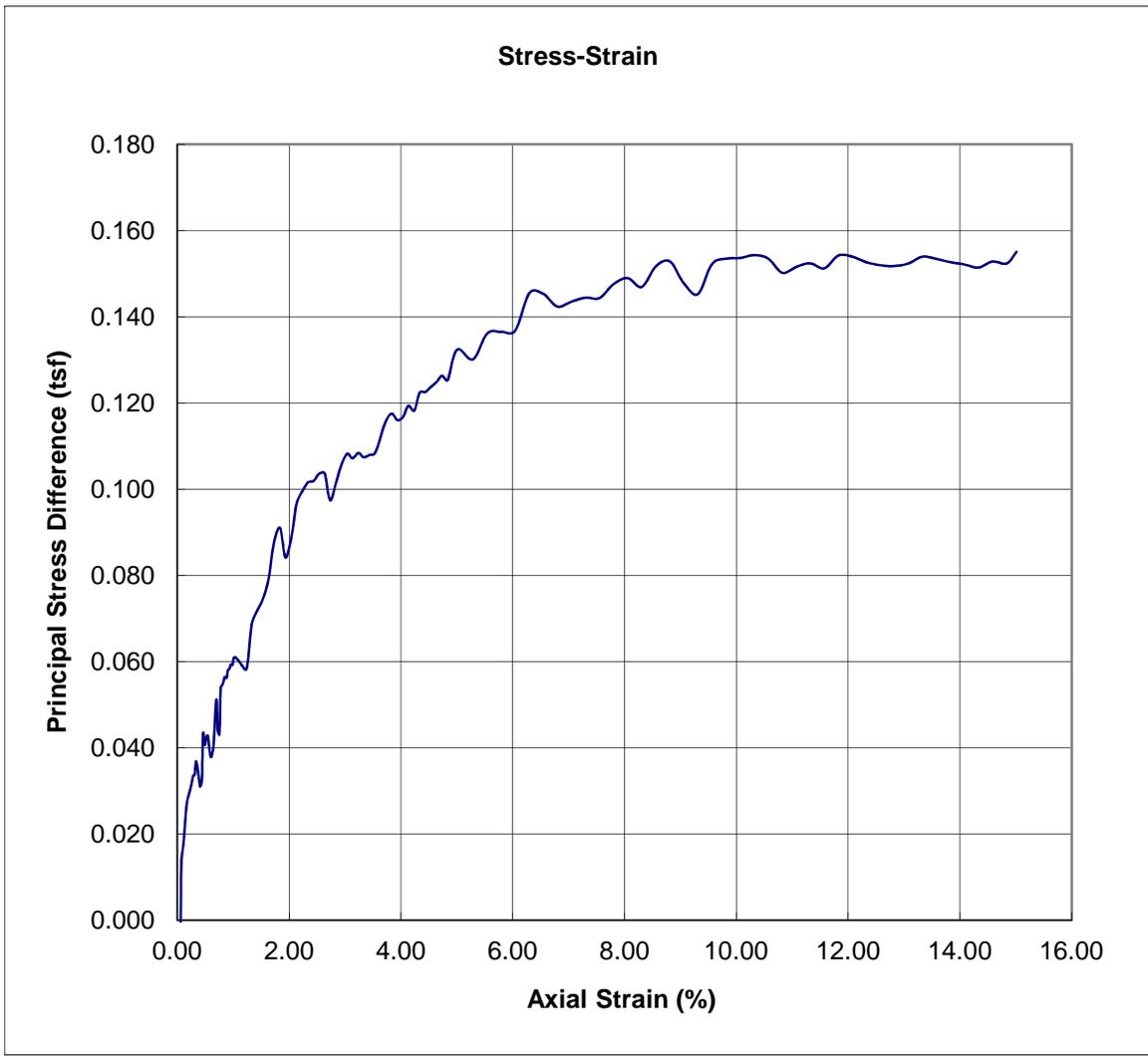


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	3:54:07 PM
Boring:	13	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	18
Diameter (inch):	2.87	Height (inch):	5.55
Piston Correction (lbs):	1.013261271	Test Type:	UU
Failure:	Bulge		

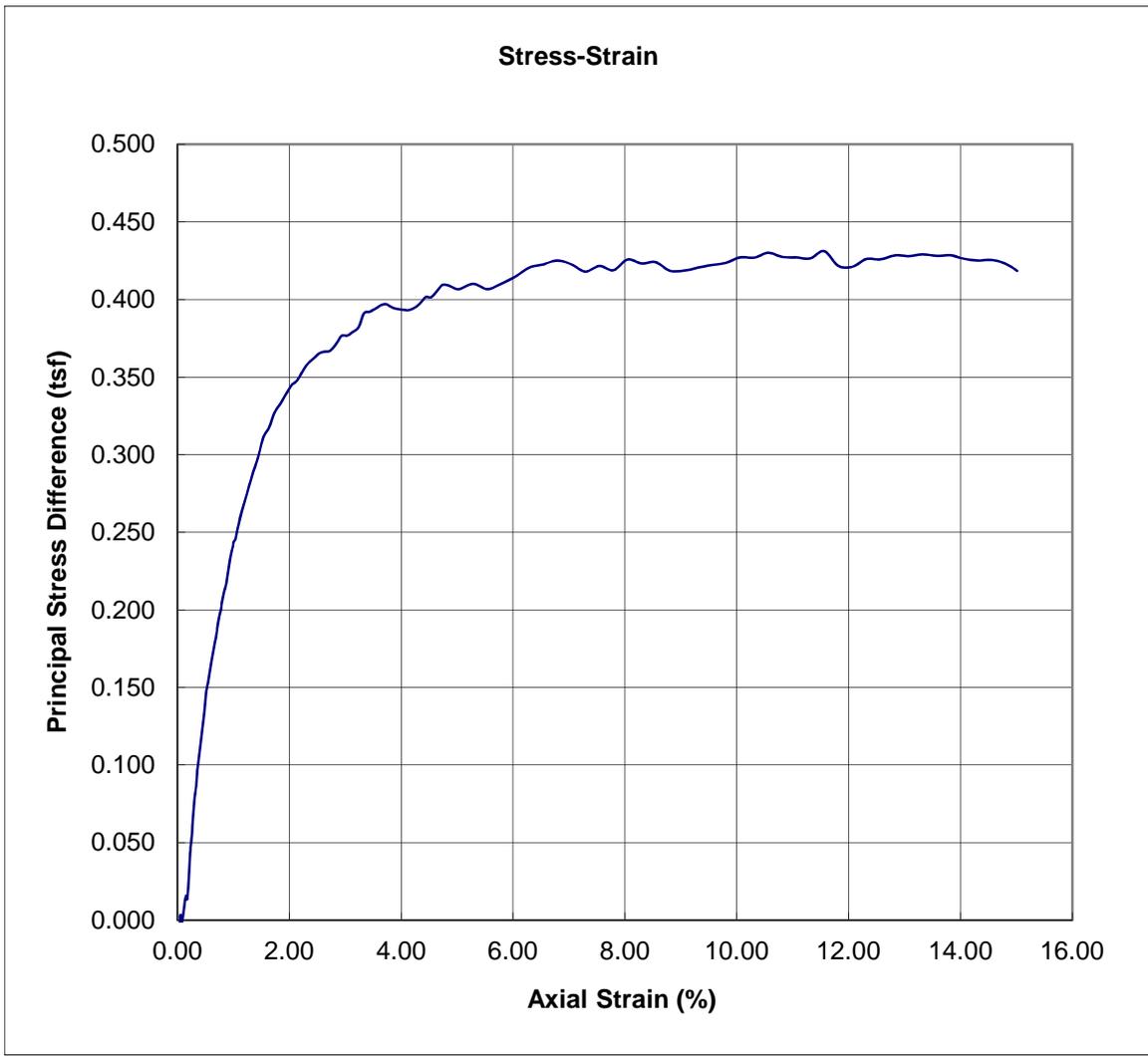


Project: 16715-020-00
Date: 6/6/2011
Boring: 13
Specimen: Specimen1
Diameter (inch): 2.87
Piston Correction (lbs): 1.334813474
Failure: Bulge

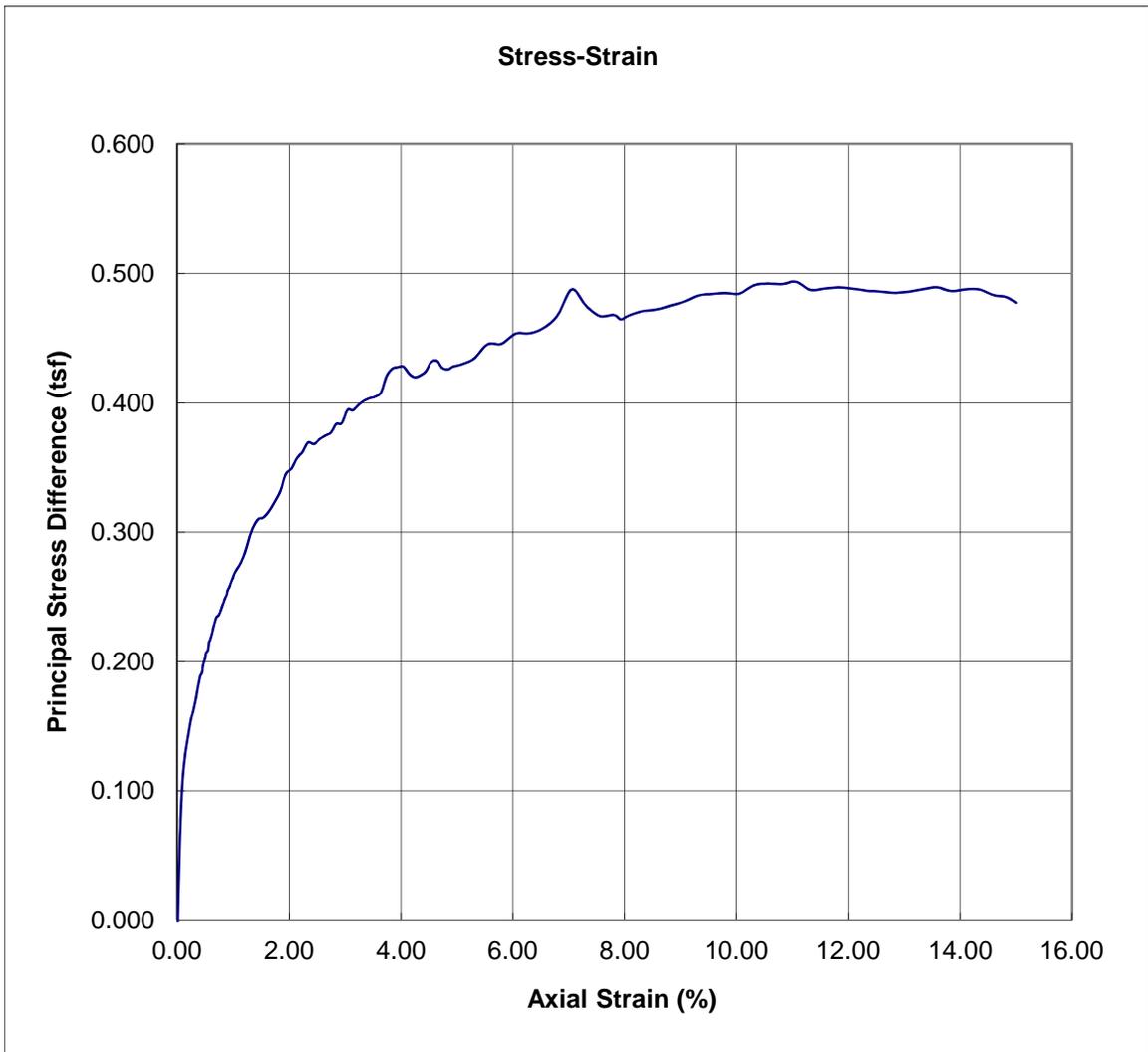
Load Frame Name: Load Frame
Time: 11:00:11 AM
Sample: Sample1
Depth (ft): 22
Height (inch): 6
Test Type: UU



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	11:54:06 AM
Boring:	13	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	29
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	1.881290581	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	2:01:51 PM
Boring:	13	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	34
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	2.282271472	Test Type:	UU
Failure:	Bulge		



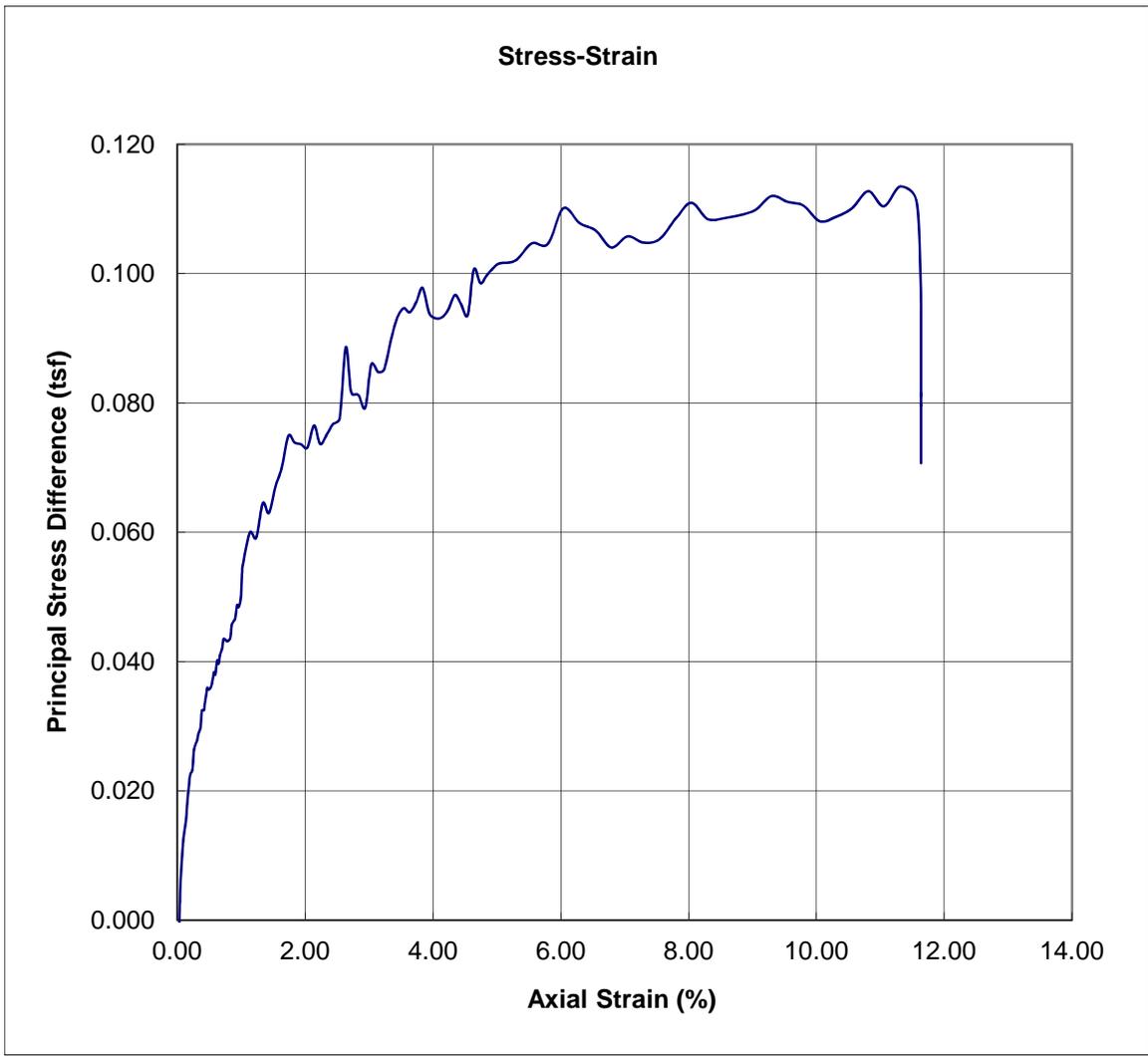
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	3:11:43 PM
Boring:	13	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	44
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	3.056558229	Test Type:	UU
Failure:	Bulge		



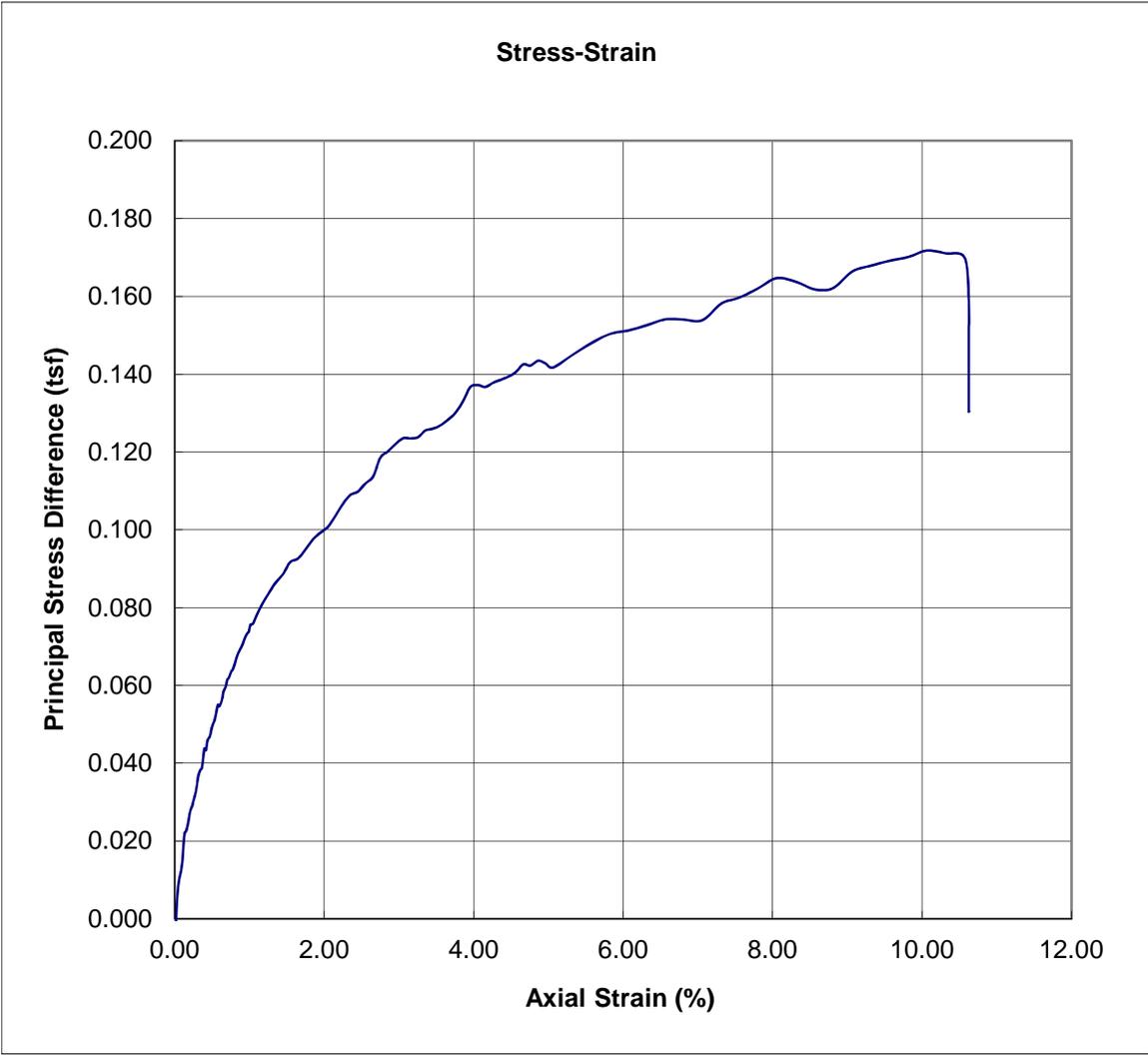
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/3/2011	Time:	3:12:10 PM
Boring:	14	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	6
Diameter (inch):	2.69	Height (inch):	6
Piston Correction (lbs):	7.47E-02	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/3/2011	Time:	3:50:10 PM
Boring:	14	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	8
Diameter (inch):	2.73	Height (inch):	5.83
Piston Correction (lbs):	0.236176121	Test Type:	UU
Failure:	Bulge		

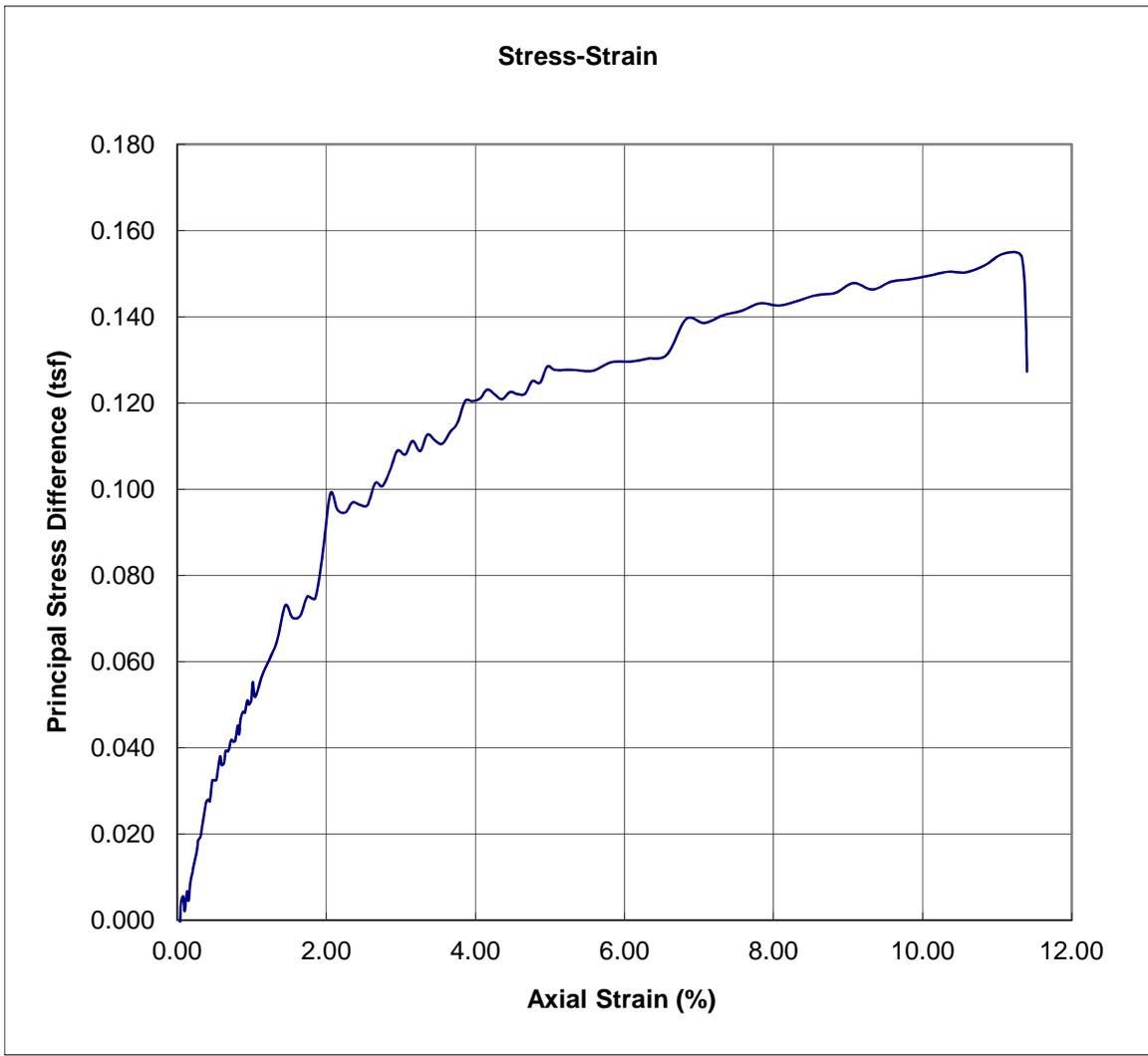


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	9:15:42 AM
Boring:	14	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	14
Diameter (inch):	2.79	Height (inch):	5.91
Piston Correction (lbs):	0.708058249	Test Type:	UU
Failure:			



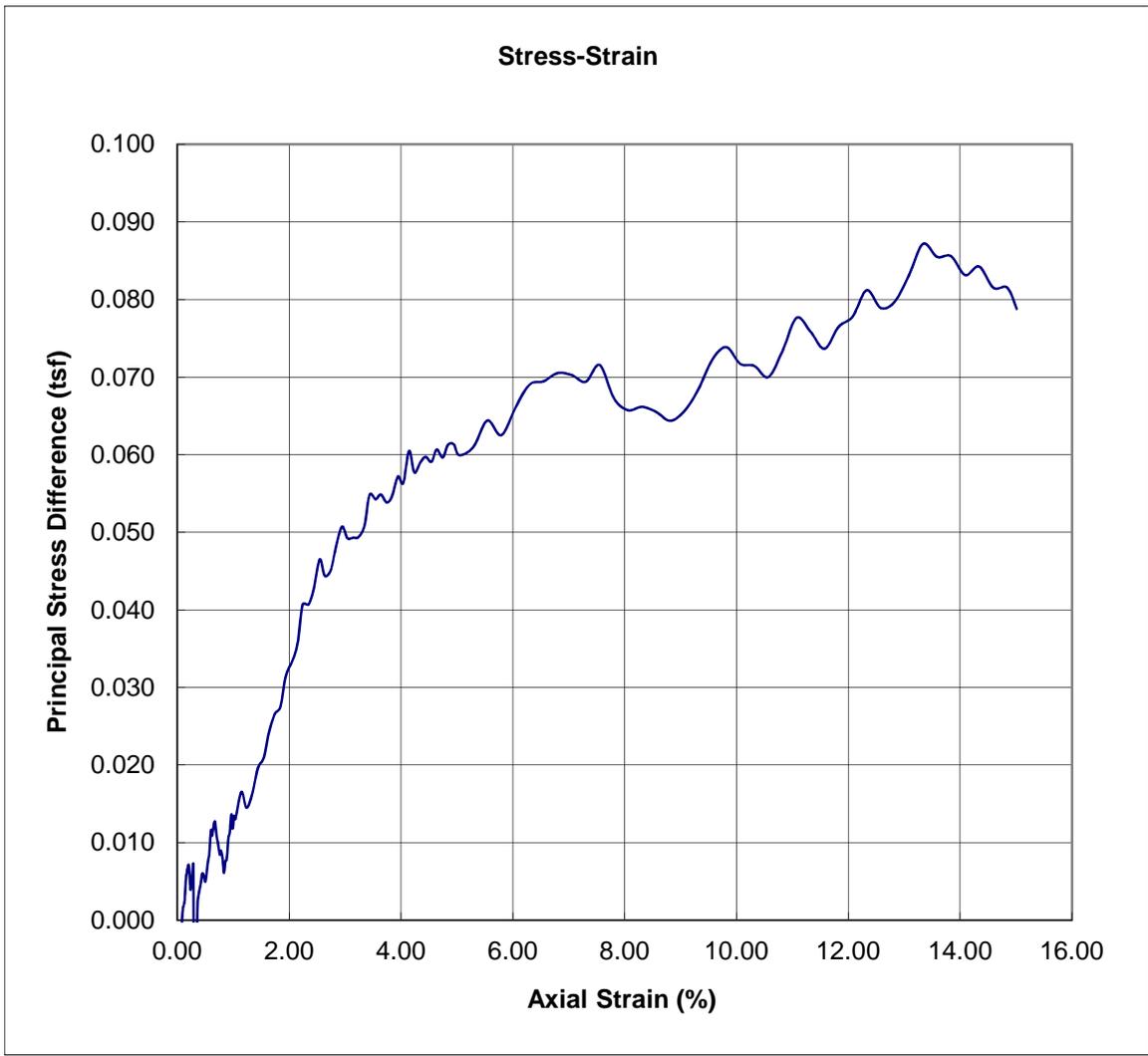
Project: 16715-020-00
Date: 6/6/2011
Boring: 14
Specimen: Specimen1
Diameter (inch): 2.86
Piston Correction (lbs): 0.868473869
Failure: Bulge

Load Frame Name: Load Frame
Time: 10:02:31 AM
Sample: Sample1
Depth (ft): 16
Height (inch): 5.63
Test Type: UU

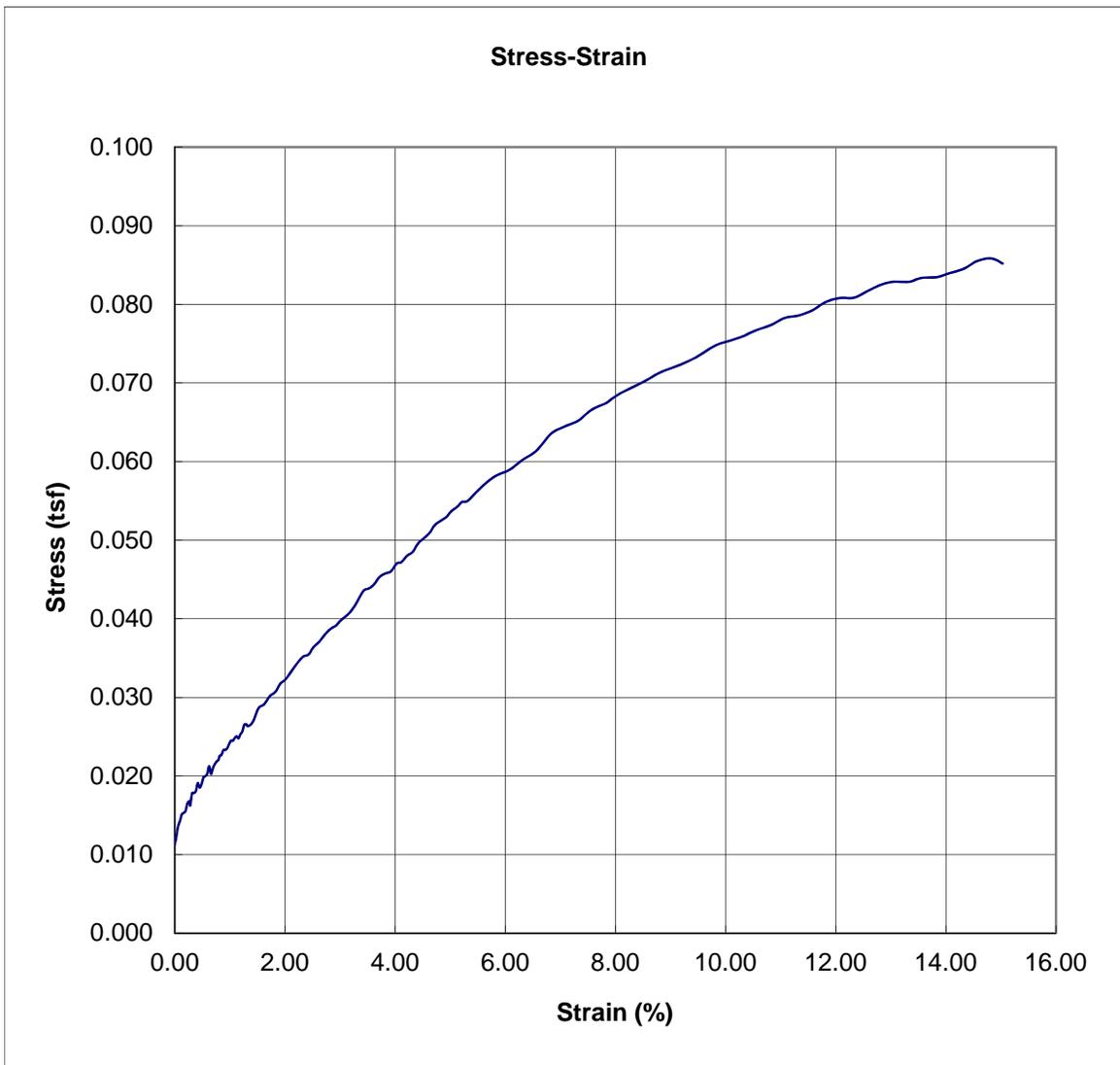


Project: 16715-020-00
Date: 6/6/2011
Boring: 14
Specimen: Specimen1
Diameter (inch): 2.86
Piston Correction (lbs): 1.015136692
Failure: Bulge

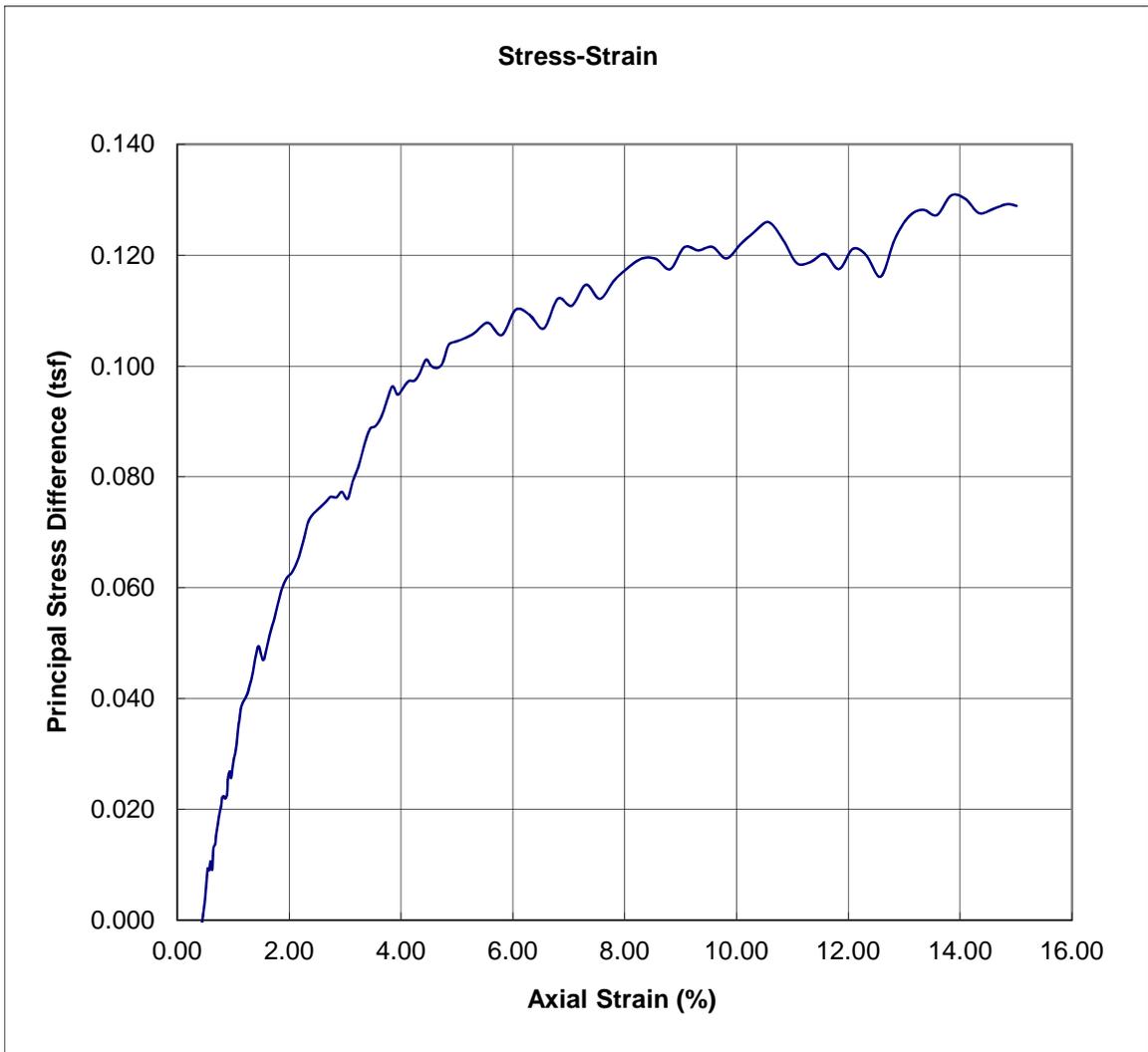
Load Frame Name: Load Frame
Time: 10:11:22 AM
Sample: Sample1
Depth (ft): 18
Height (inch): 6
Test Type: UU



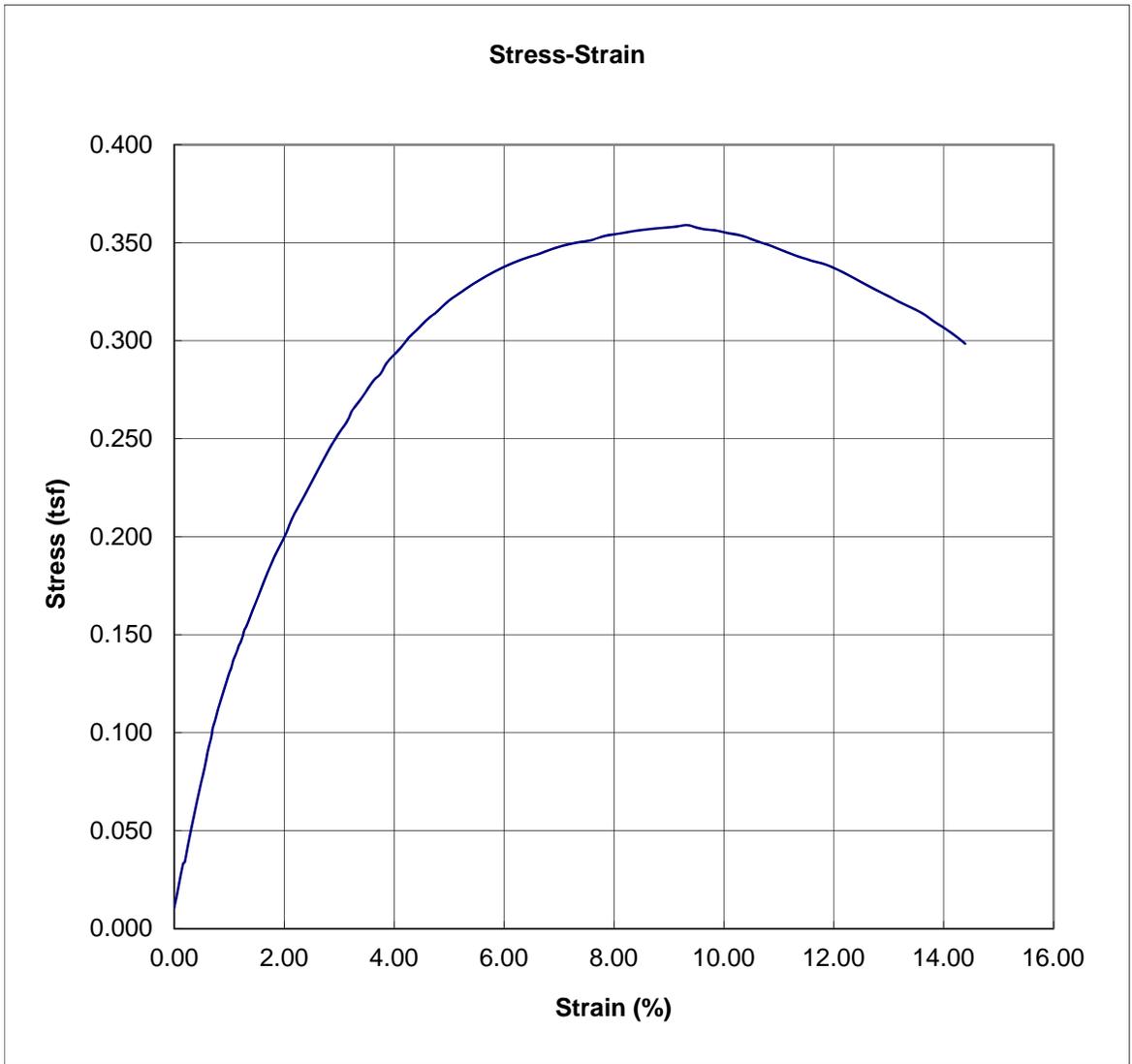
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	5:19:03 PM
Boring:	14	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	24
Diameter (inch):	2.86	Height (inch):	5.06
Failure:	Yield	Test Type:	UC



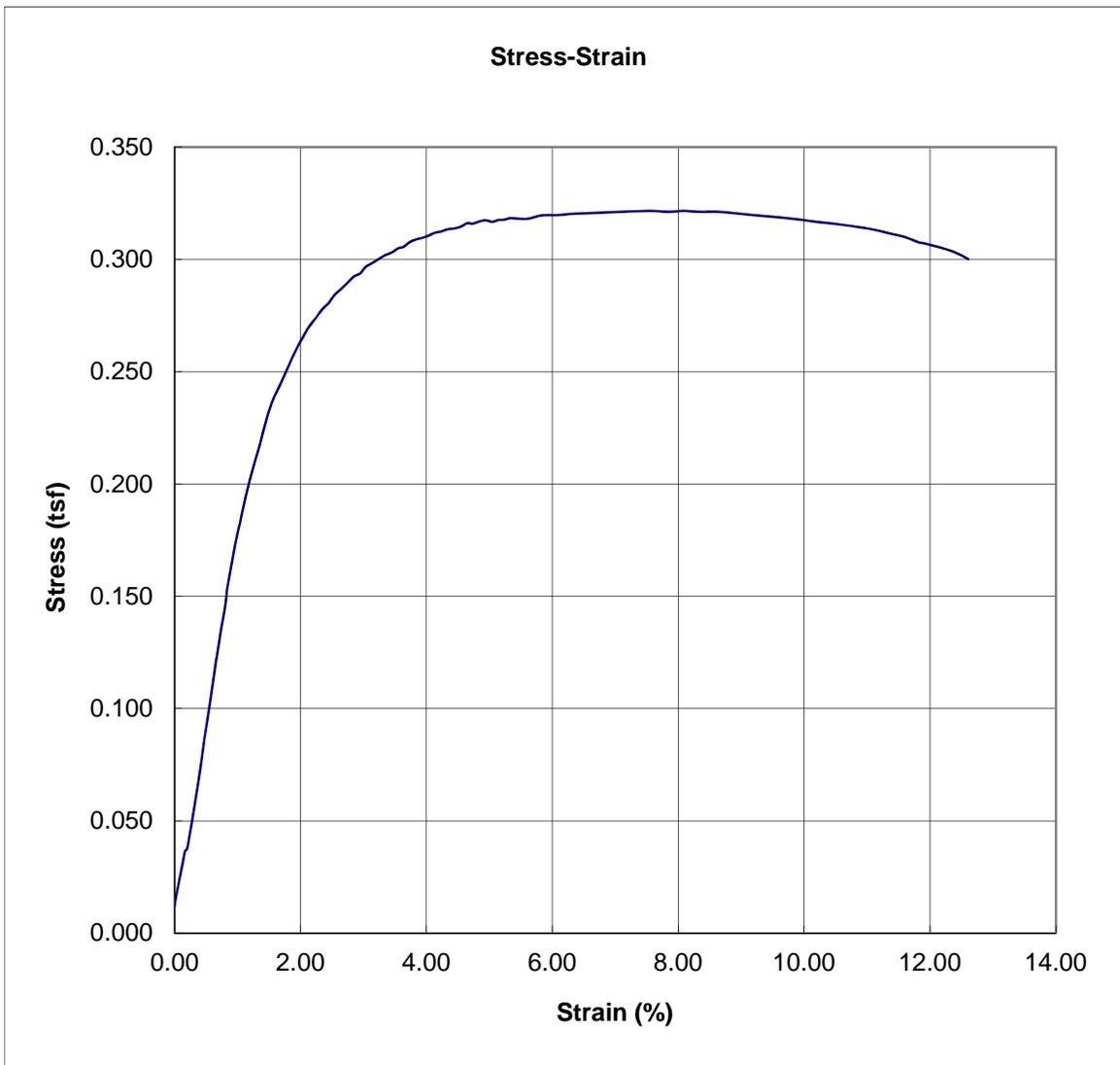
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	9:07:06 AM
Boring:	14	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	29
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	1.886541859	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	5:43:48 PM
Boring:	14	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	34
Diameter (inch):	2.83	Height (inch):	6.02
Failure:	Multiple Shear	Test Type:	UC



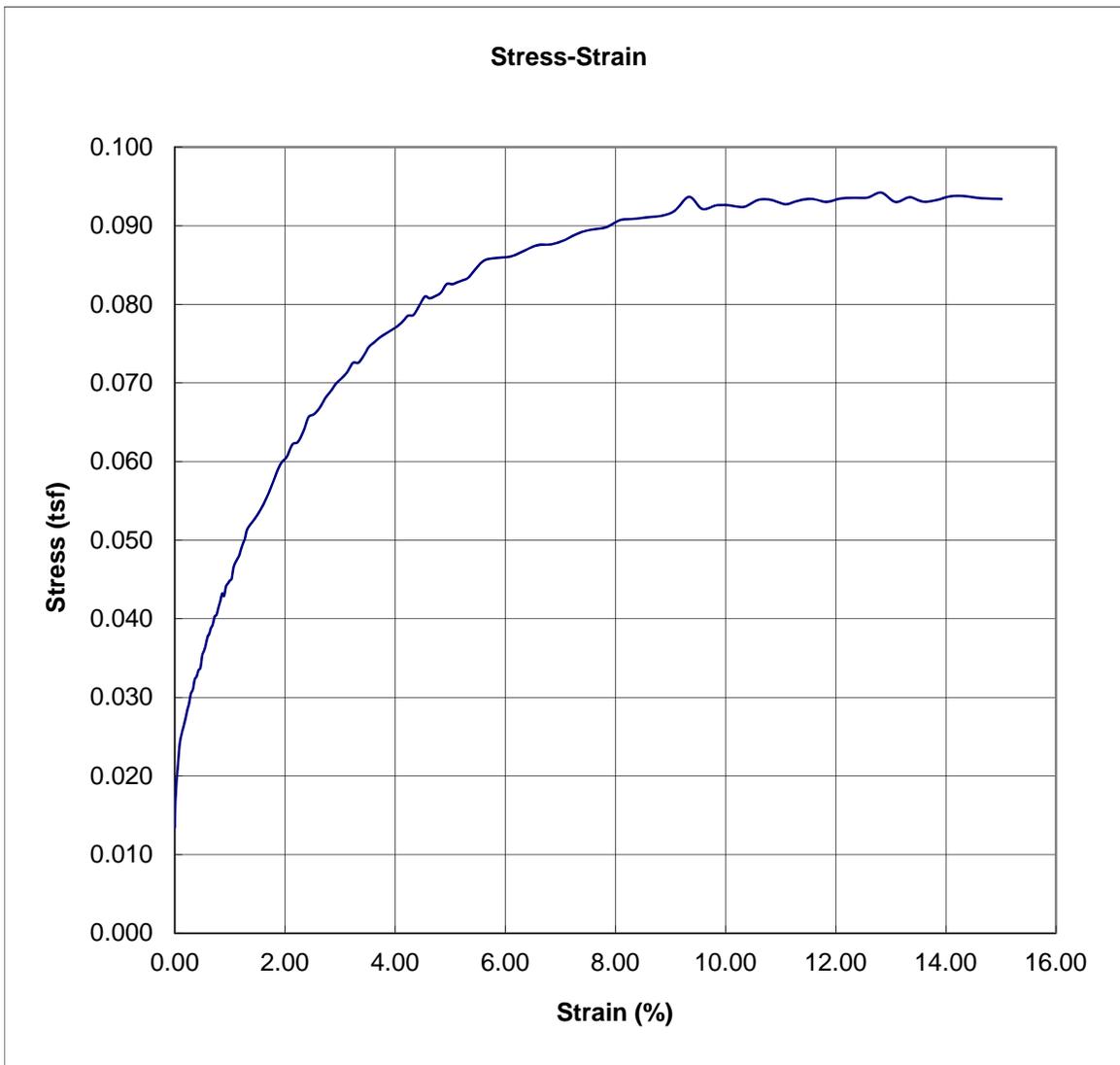
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/6/2011	Time:	6:15:55 PM
Boring:	14	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	39
Diameter (inch):	2.84	Height (inch):	6.01
Failure:	Multiple Shear	Test Type:	UC



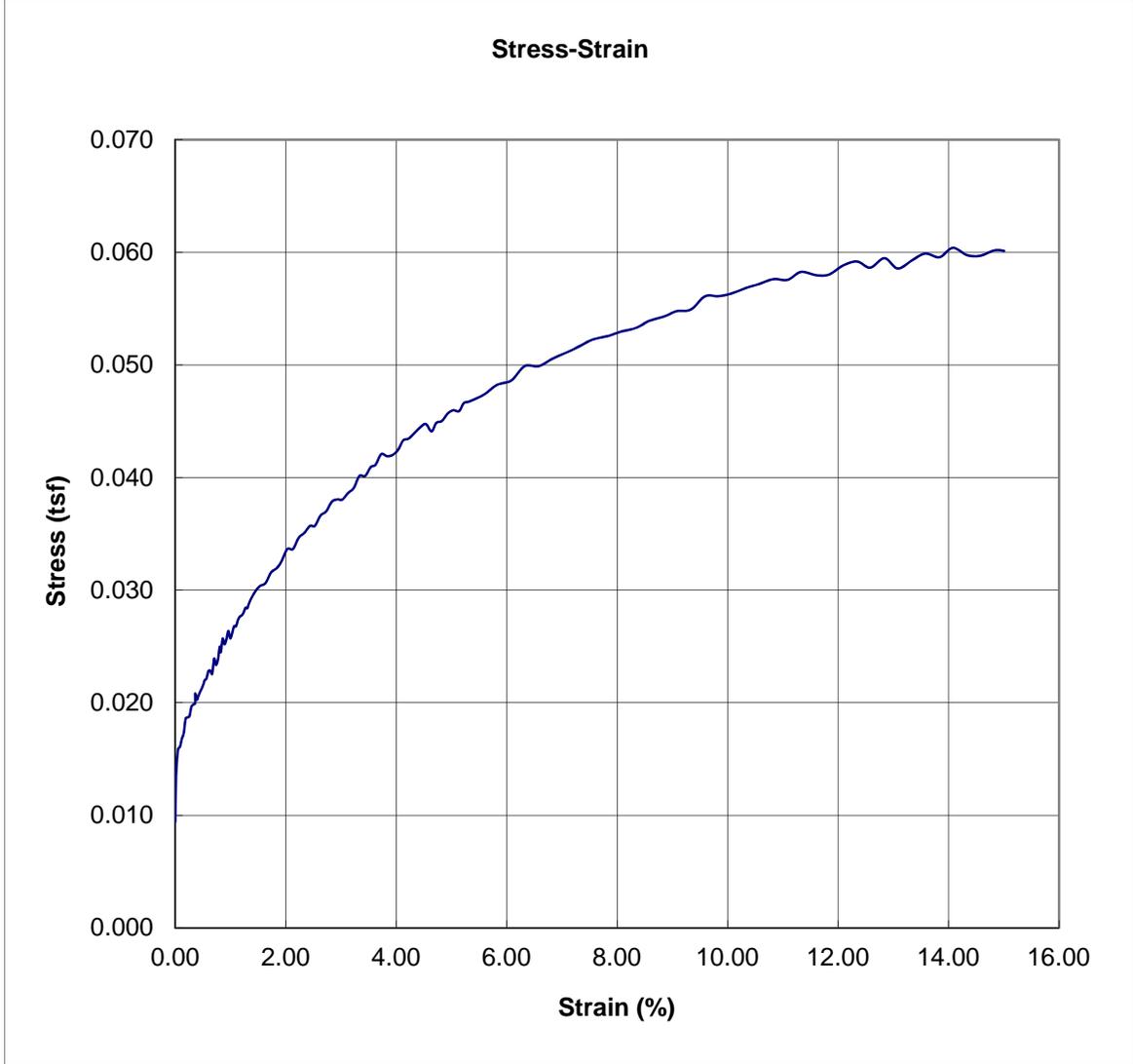
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	9:12:29 AM
Boring:	15	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	15
Diameter (inch):	2.86	Height (inch):	5.5
Piston Correction (lbs):	0.085474434	Test Type:	UU
Failure:	Yield		



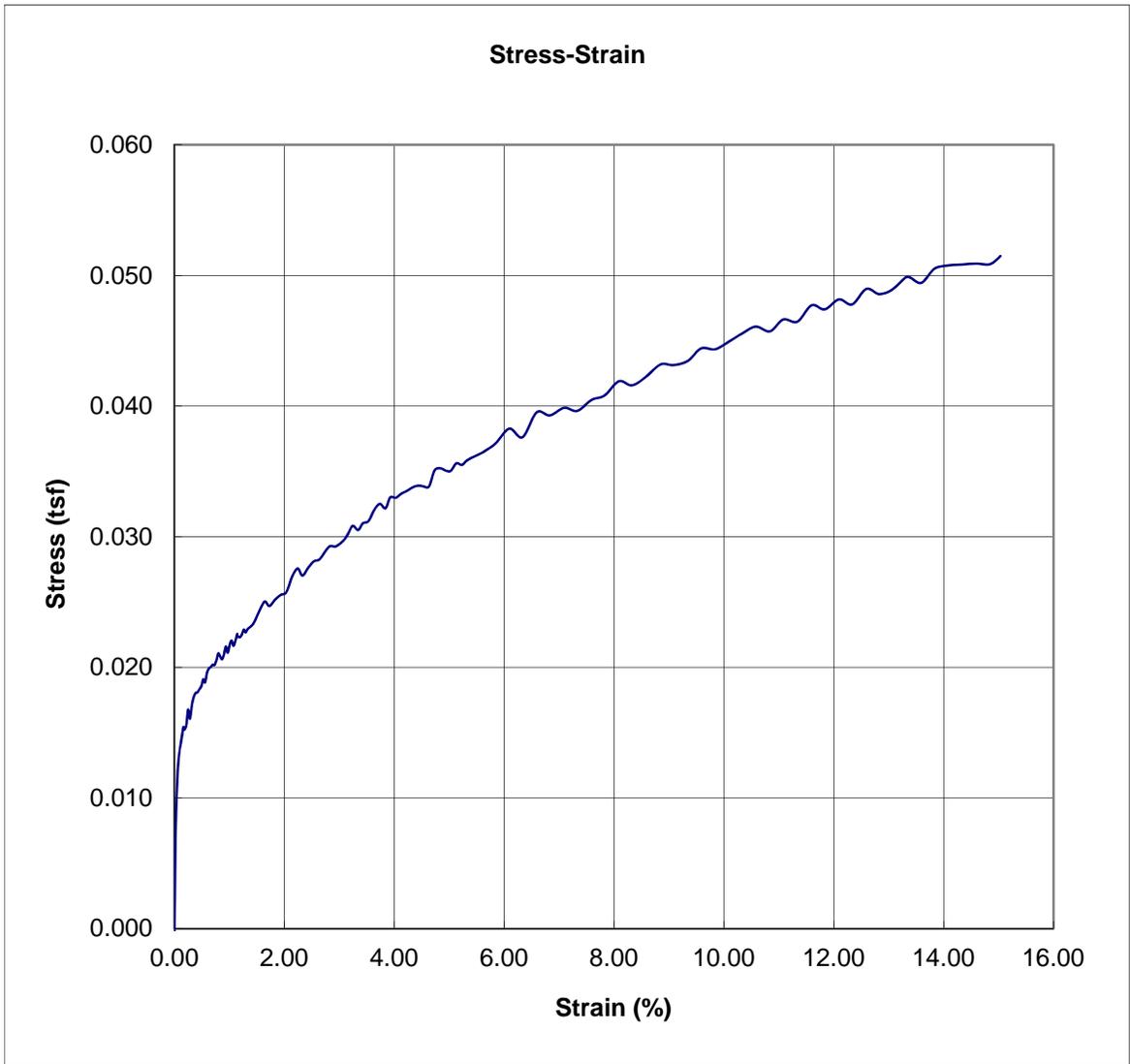
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	2:54:02 PM
Boring:	15	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	17
Diameter (inch):	2.77	Height (inch):	5.7
Failure:	Multiple Shear	Test Type:	UC



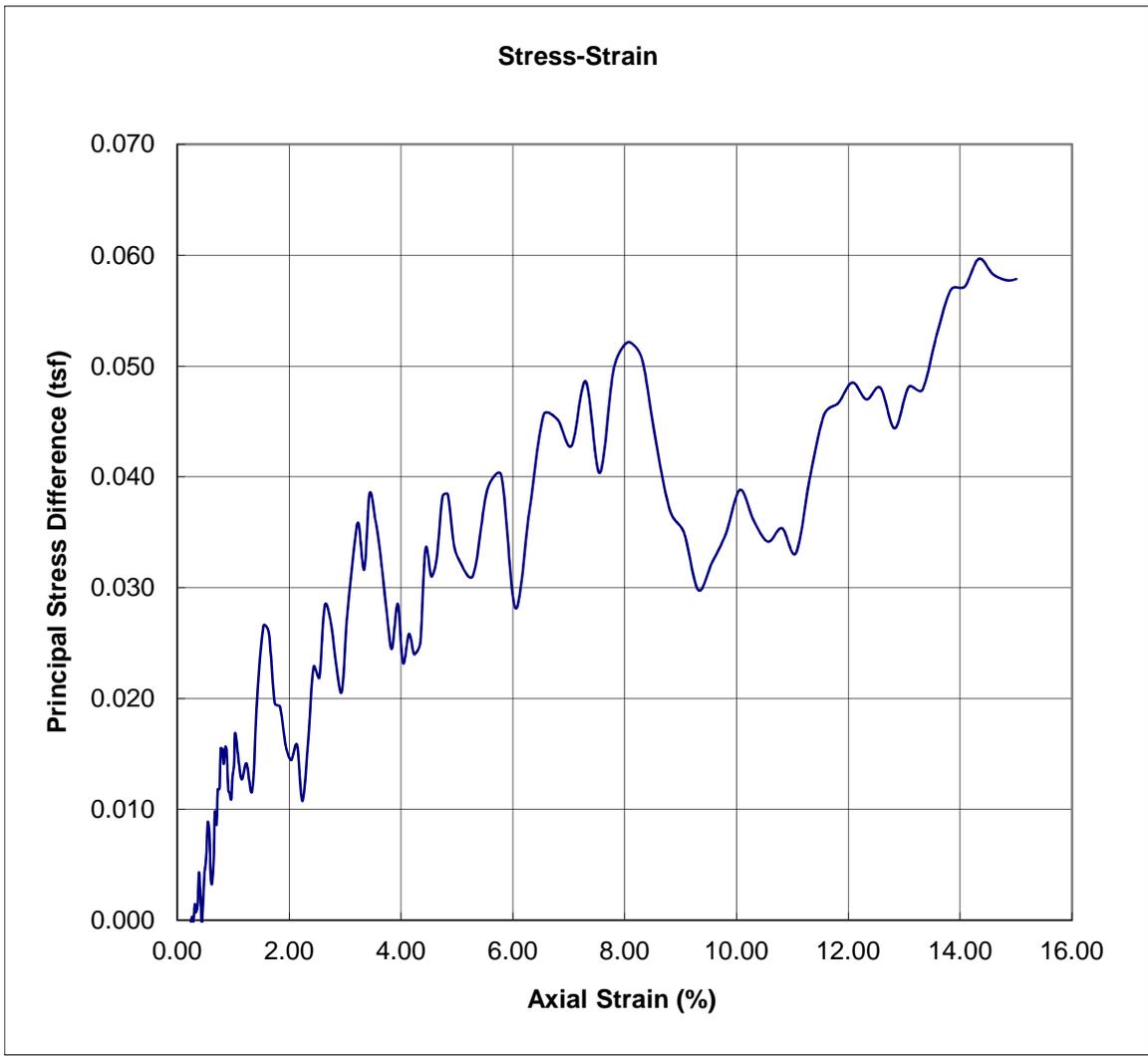
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	3:24:44 PM
Boring:	15	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	19
Diameter (inch):	2.82	Height (inch):	5.55
Failure:	Bulge	Test Type:	UC



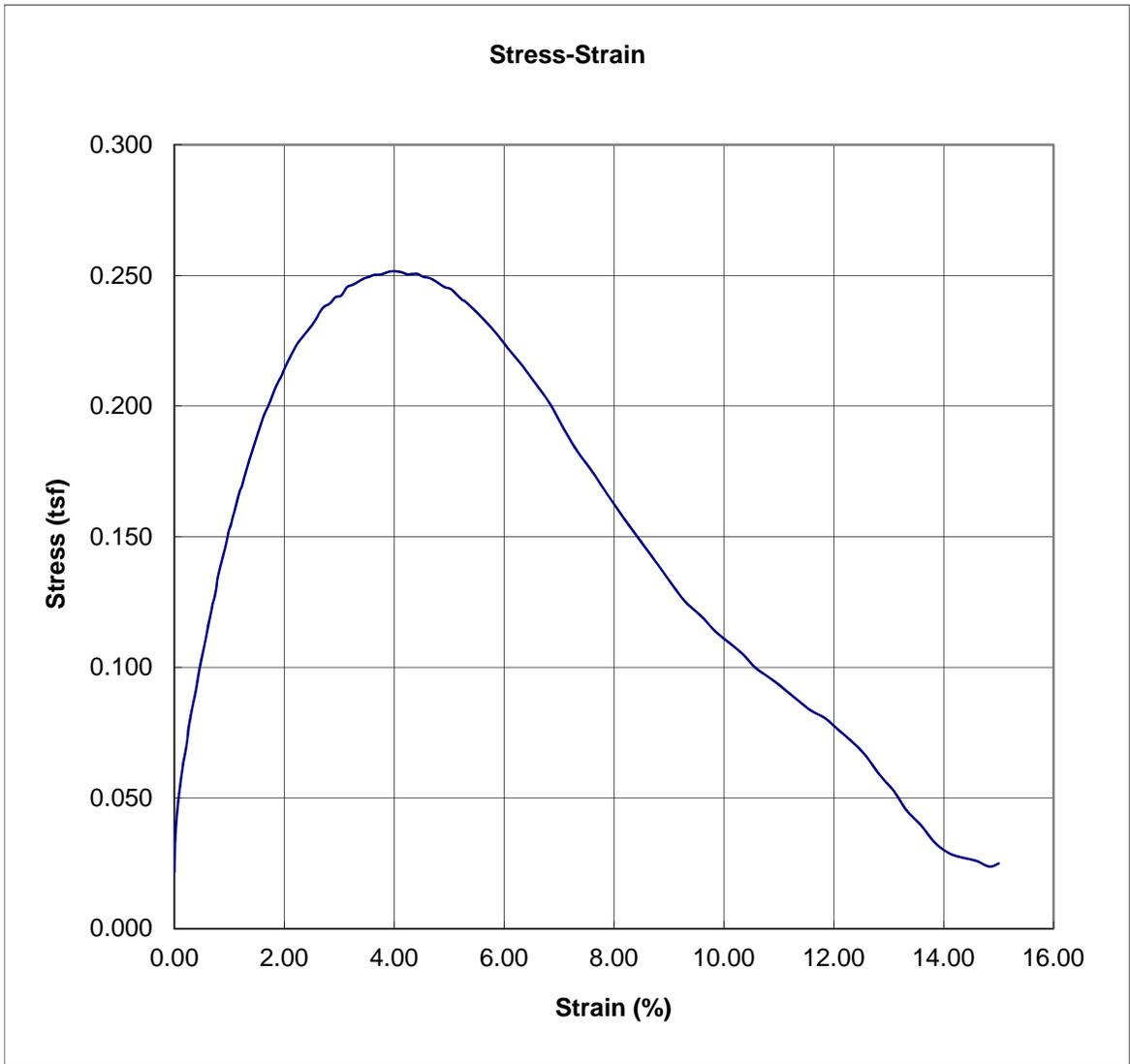
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	3:48:31 PM
Boring:	15	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	21
Diameter (inch):	2.85	Height (inch):	6
Failure:	Yield	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	10:09:27 AM
Boring:	15	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	31
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	1.337897263	Test Type:	UU
Failure:	Bulge		



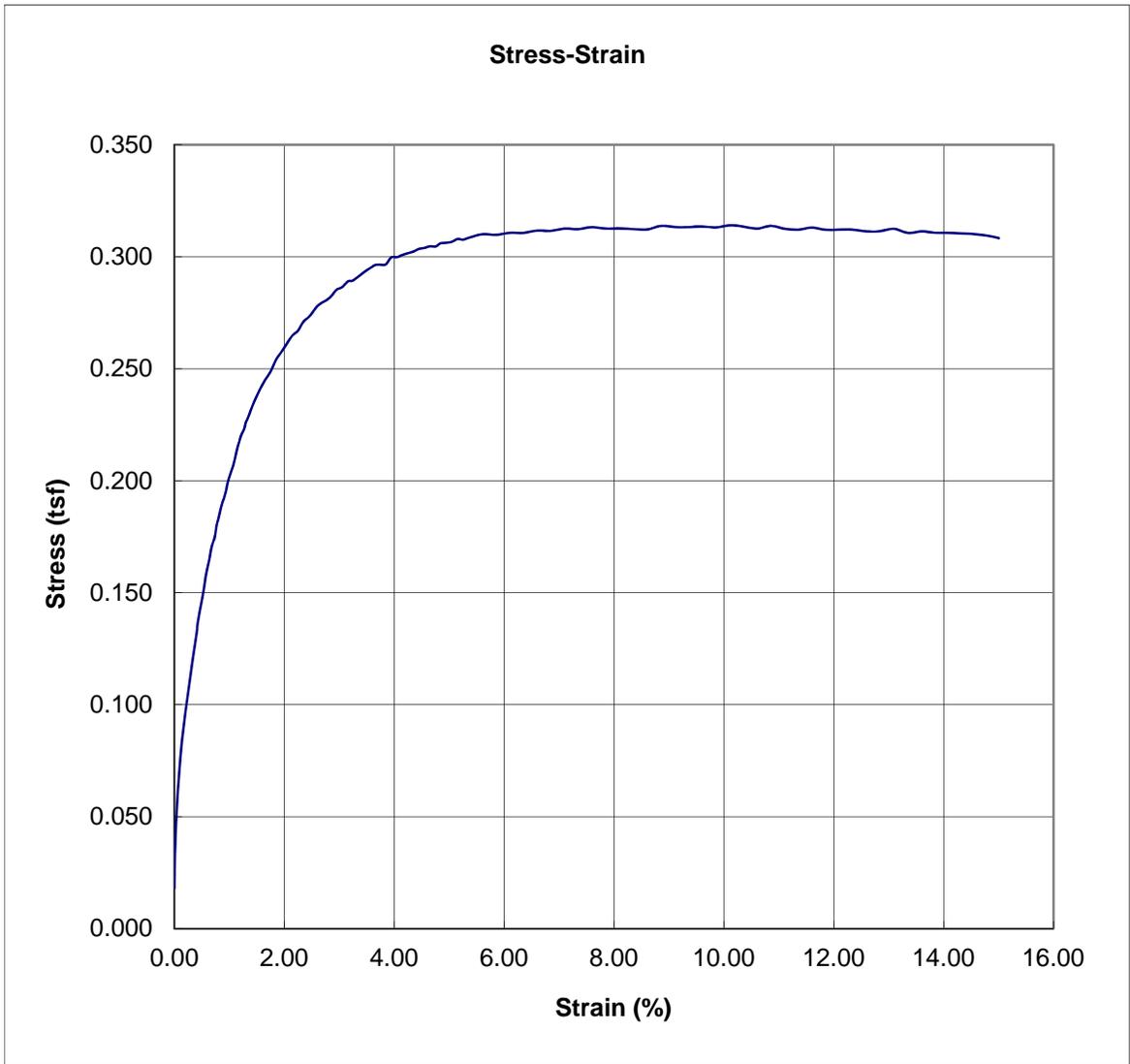
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	4:19:56 PM
Boring:	15	Sample:	
Specimen:	Specimen1	Depth (ft):	33
Diameter (inch):	2.84	Height (inch):	5.7
Failure:	Multiple Shear	Test Type:	UC



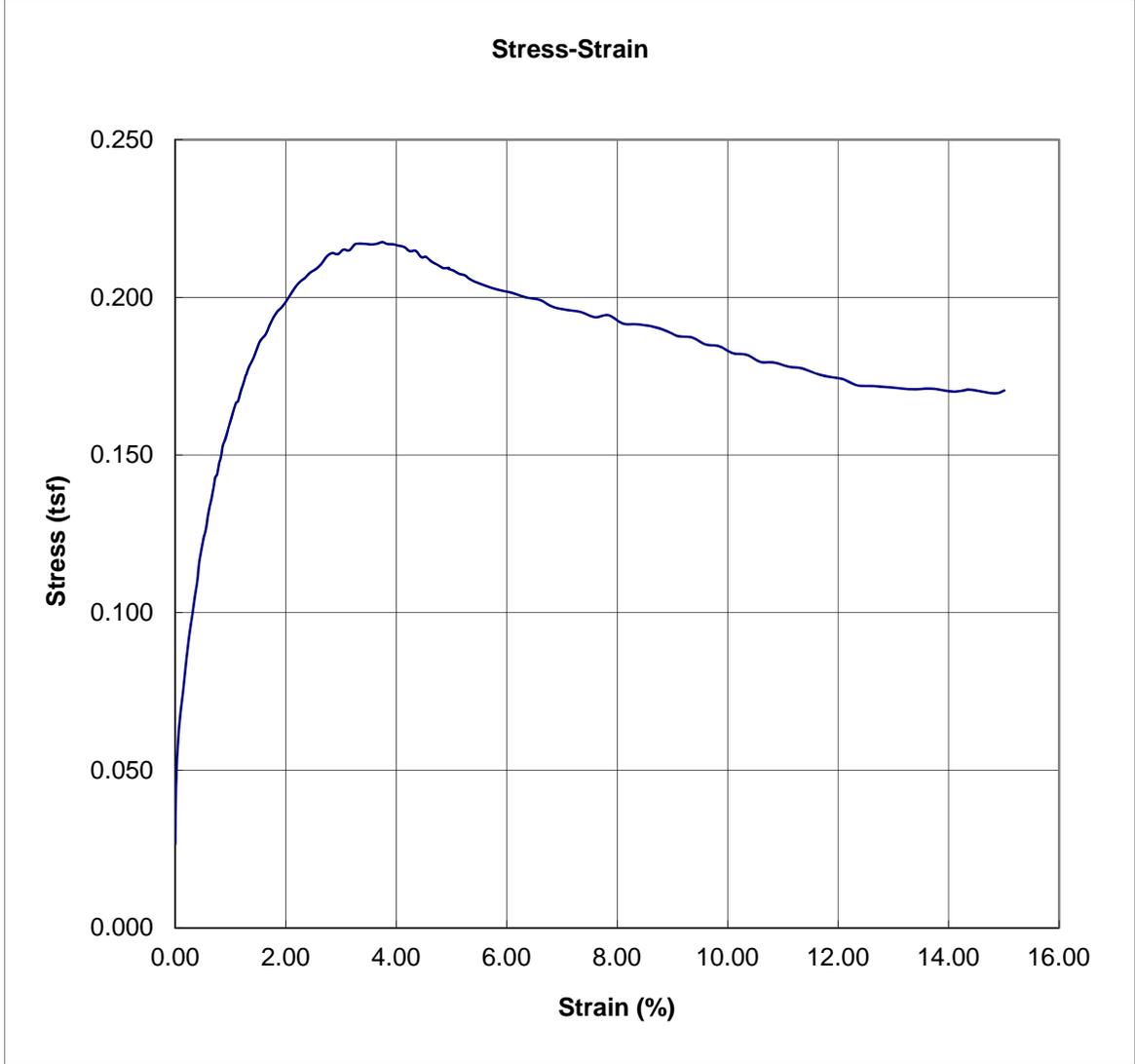
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	9:09:29 AM
Boring:	15	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	38
Diameter (inch):	2.79	Height (inch):	5.8
Failure:	Multiple Shear	Test Type:	UC



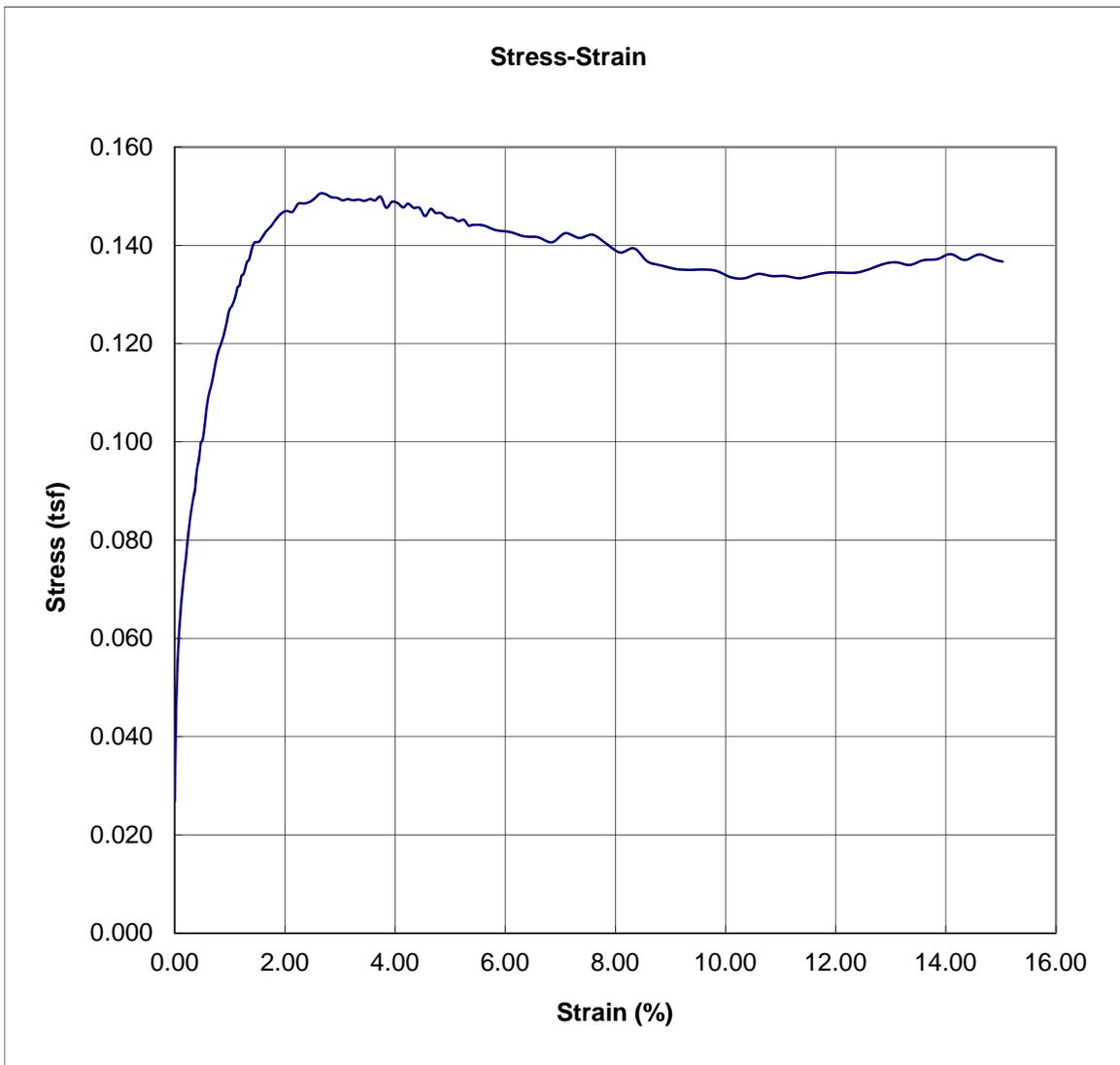
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	9:20:25 AM
Boring:	15	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	43
Diameter (inch):	2.81	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	9:34:52 AM
Boring:	15	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	48
Diameter (inch):	2.84	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



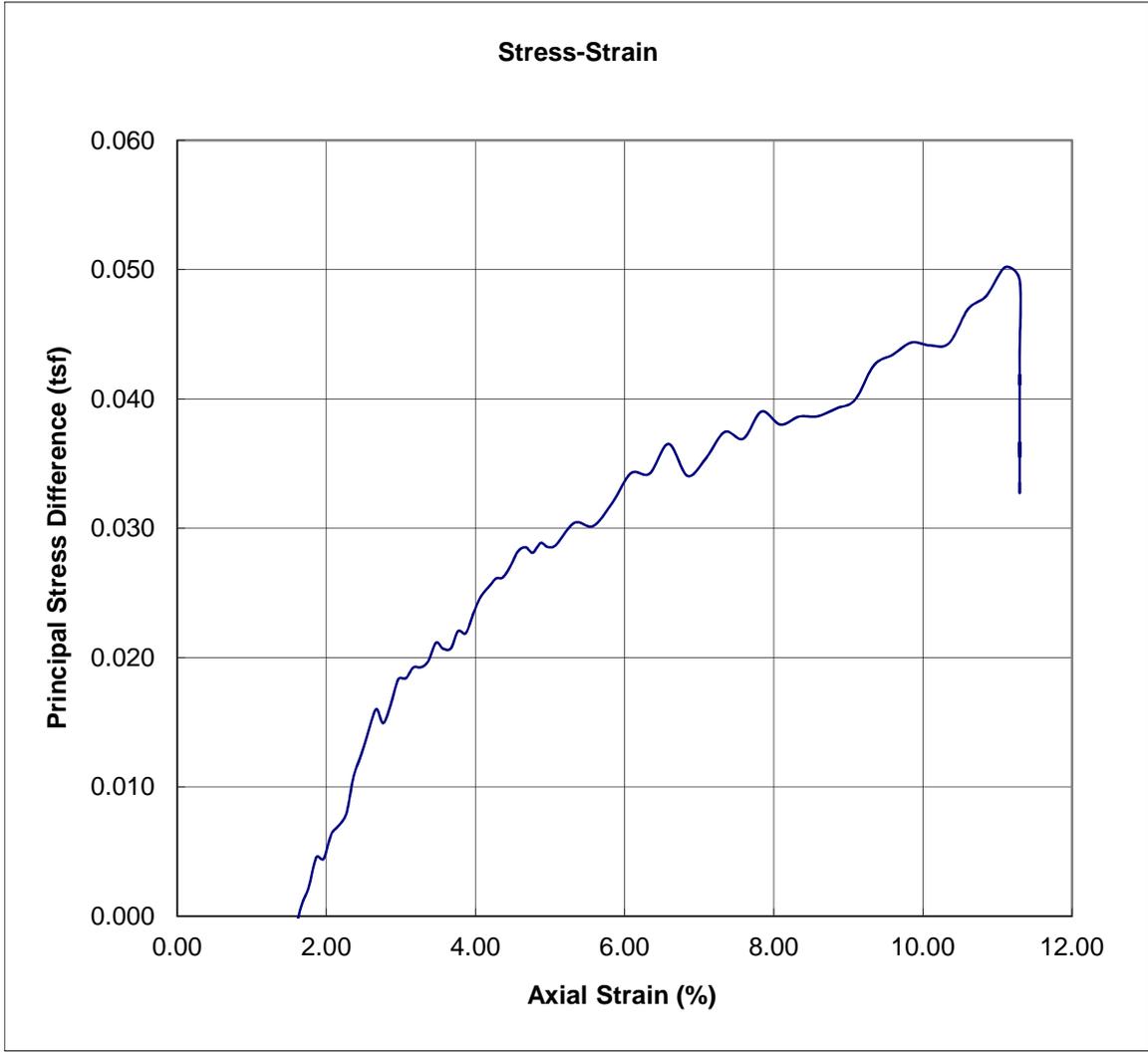
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	9:52:18 AM
Boring:	15	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	53
Diameter (inch):	2.85	Height (inch):	6
Failure:	SLS (50)	Test Type:	UC



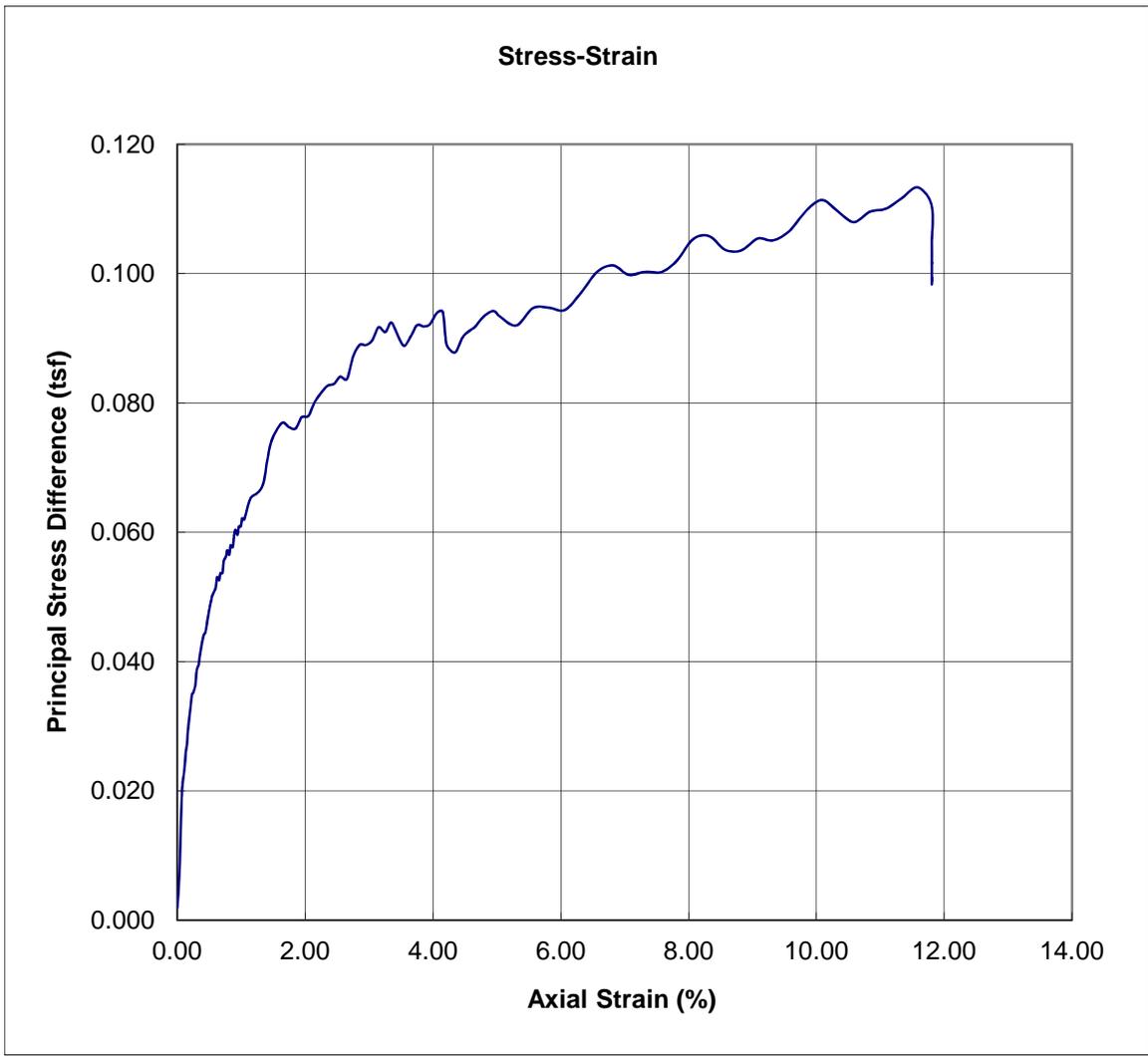
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	10:11:46 AM
Boring:	116	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	6
Diameter (inch):	2.64	Height (inch):	6
Piston Correction (lbs):	3.88E-03	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	11:40:19 AM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	8
Diameter (inch):	2.85	Height (inch):	6
Piston Correction (lbs):	0.244508669	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	1:22:49 PM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	12
Diameter (inch):	2.84	Height (inch):	6
Piston Correction (lbs):	0.551391337	Test Type:	UU
Failure:	Bulge		



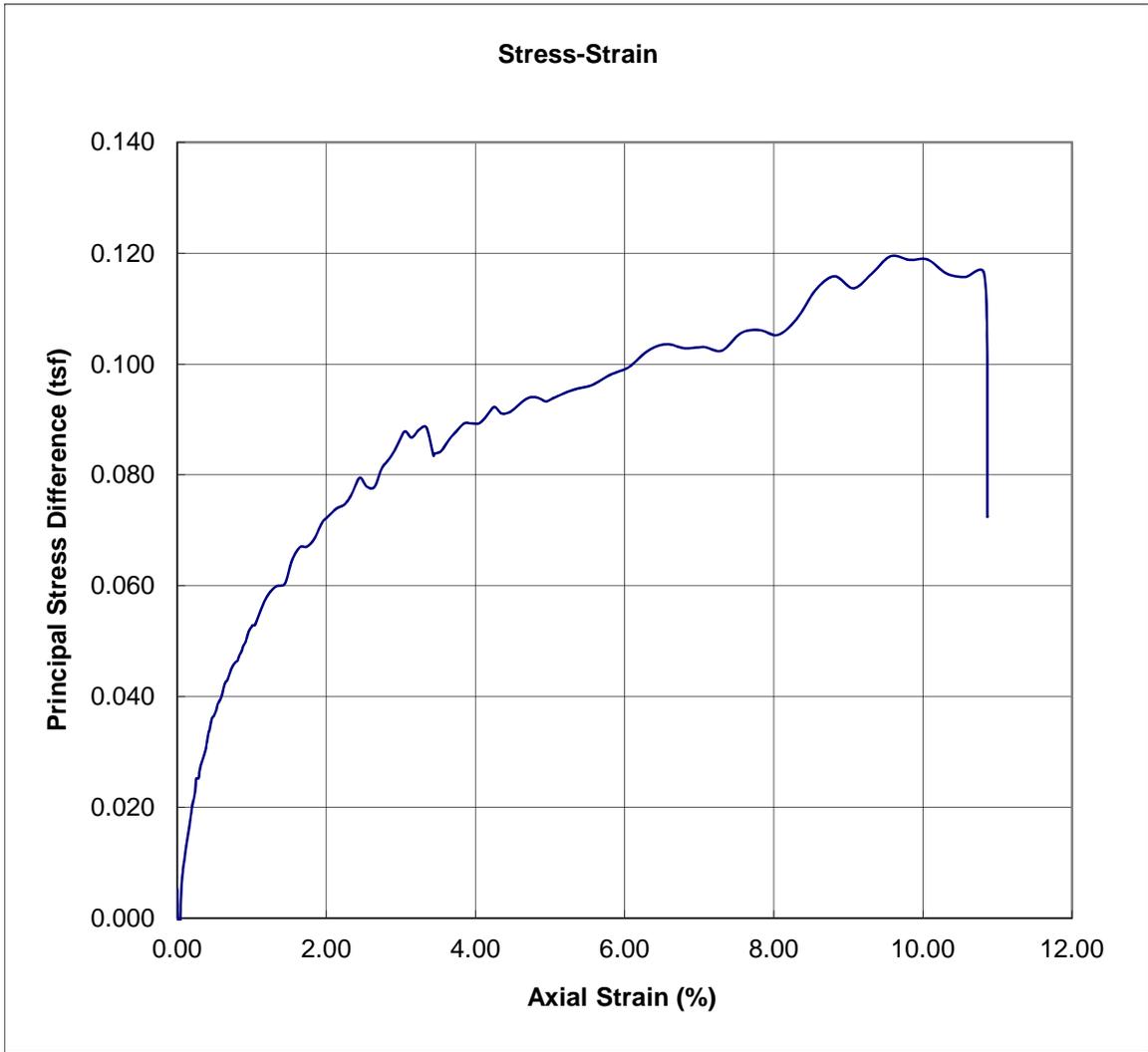
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	2:11:11 PM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	14
Diameter (inch):	2.85	Height (inch):	6
Piston Correction (lbs):	0.699744468	Test Type:	UU
Failure:	Bulge		



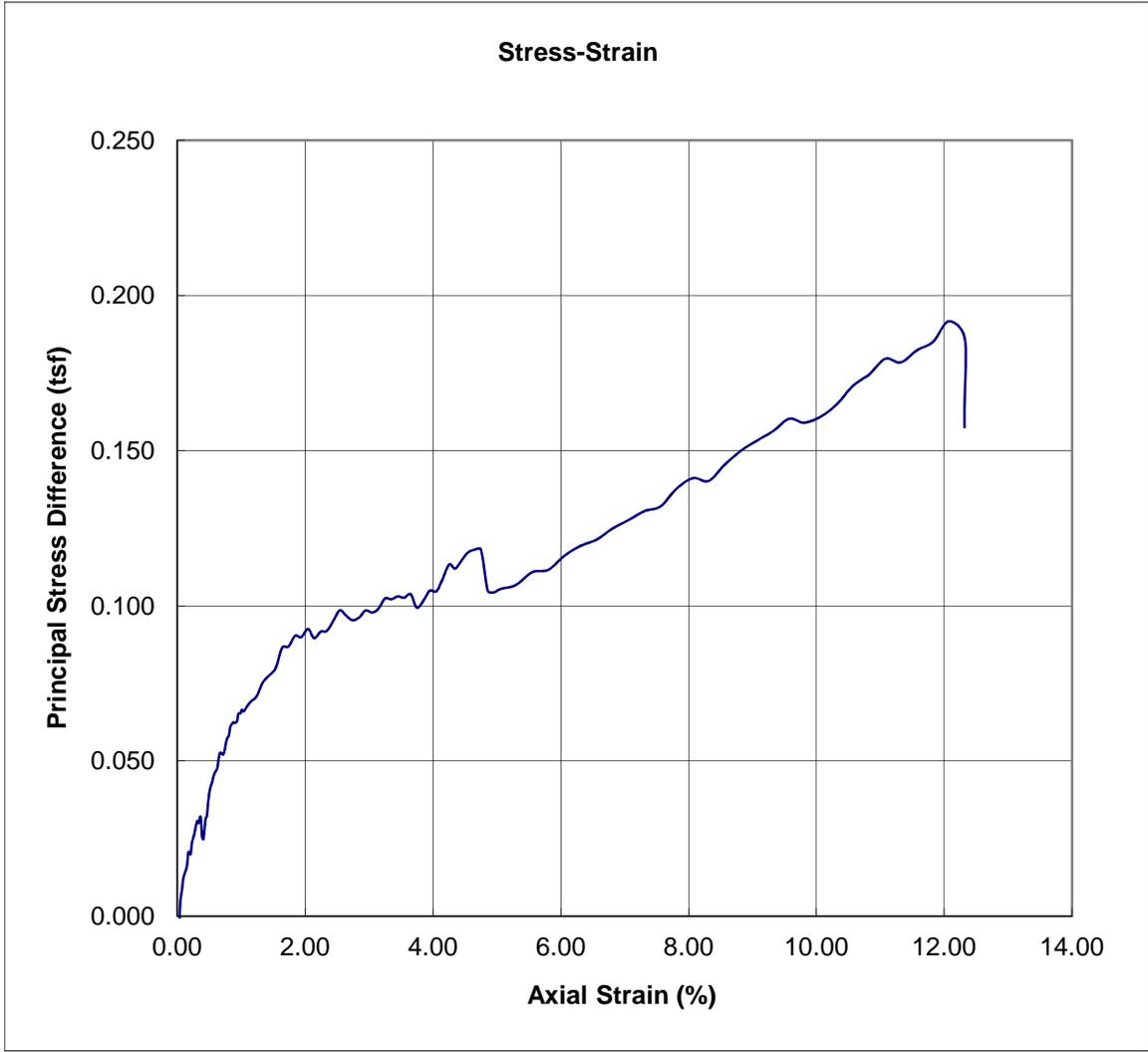
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	3:03:37 PM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	16
Diameter (inch):	2.84	Height (inch):	6
Piston Correction (lbs):	0.875079853	Test Type:	UU
Failure:	Bulge		



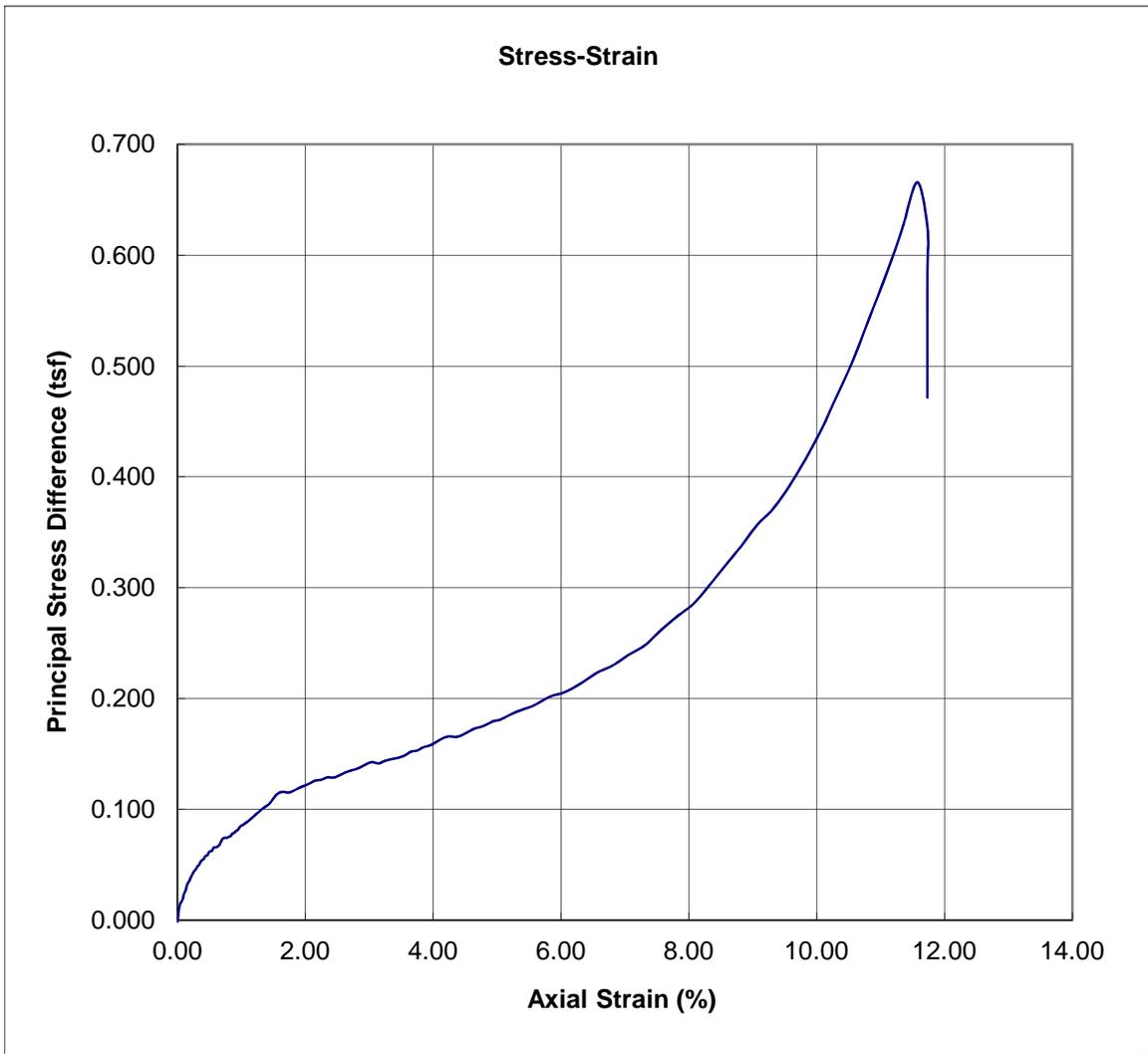
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	4:03:09 PM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	18
Diameter (inch):	2.82	Height (inch):	6
Piston Correction (lbs):	4.59E-03	Test Type:	UU
Failure:	Bulge		



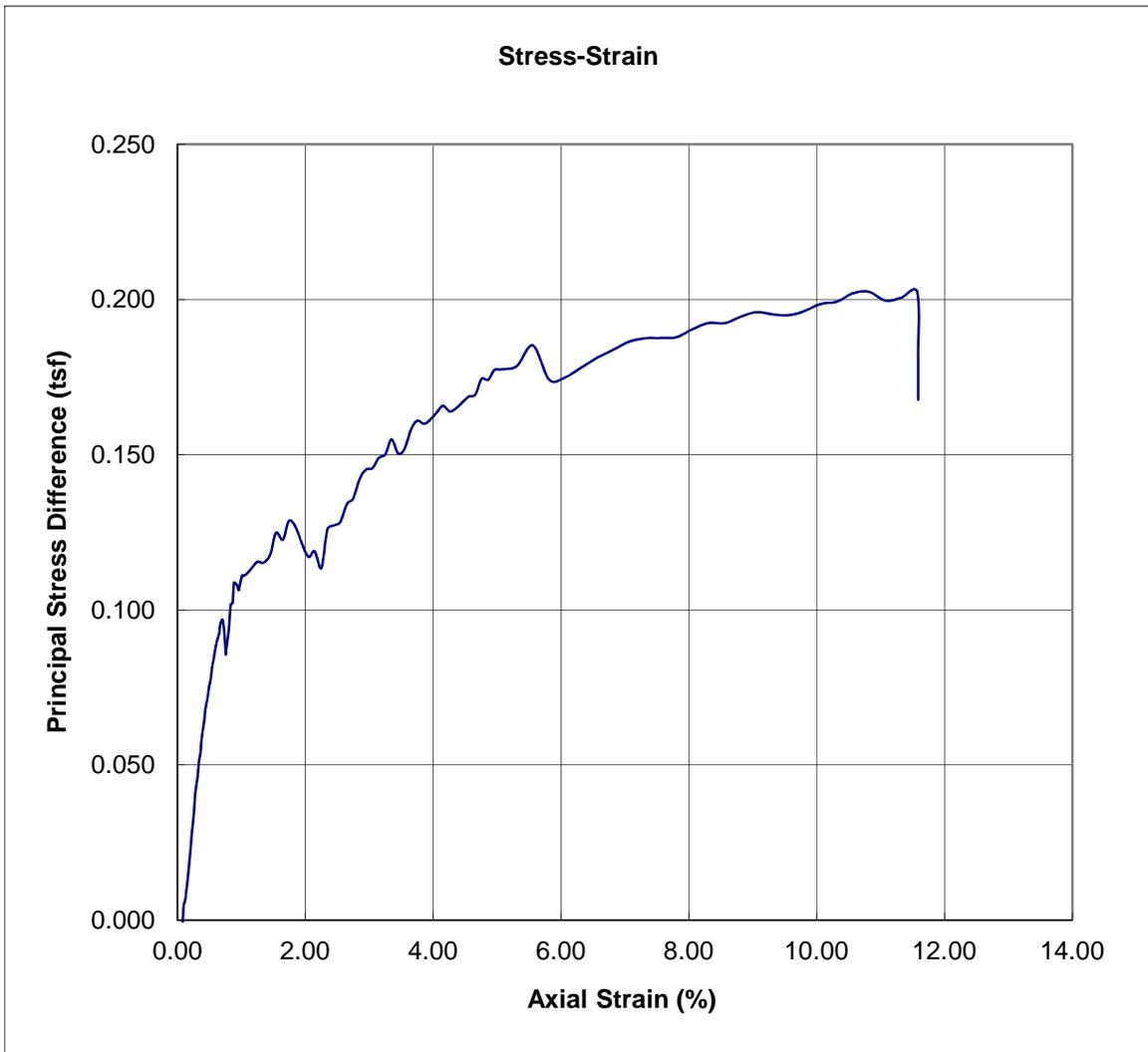
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	5:46:47 PM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	20
Diameter (inch):	2.83	Height (inch):	6.05
Piston Correction (lbs):	1.171110504	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	6:37:18 PM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	24
Diameter (inch):	2.87	Height (inch):	6.01
Piston Correction (lbs):	1.486494623	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	7:34:55 PM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	29
Diameter (inch):	2.86	Height (inch):	5.85
Piston Correction (lbs):	1.857945153	Test Type:	UU
Failure:	Bulge		



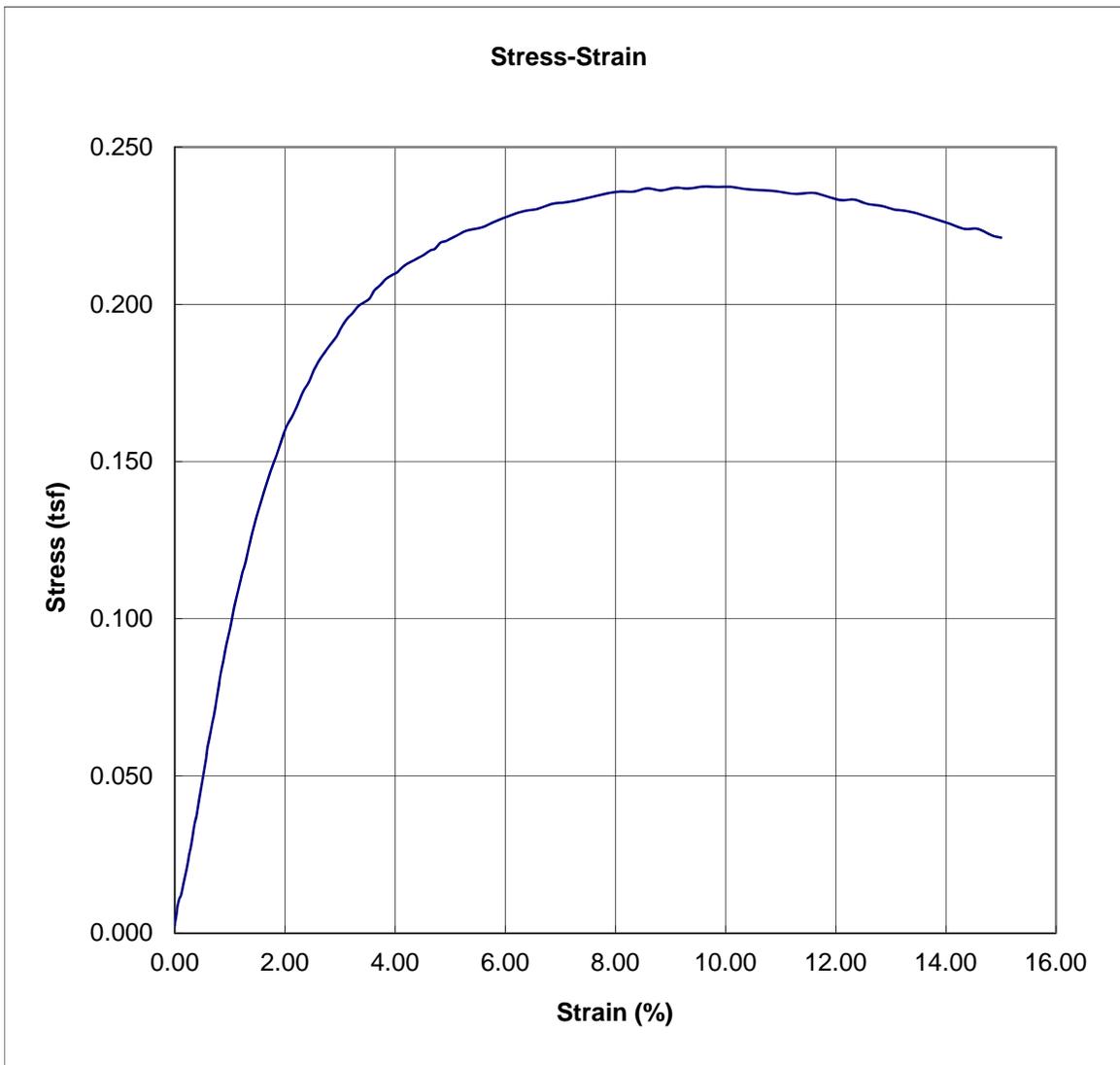
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	9:06:26 PM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	34
Diameter (inch):	2.83	Height (inch):	6
Failure:	Bulge	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	8:21:28 PM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	39
Diameter (inch):	2.87	Height (inch):	6.01
Piston Correction (lbs):	2.655434724	Test Type:	UU
Failure:	Bulge		



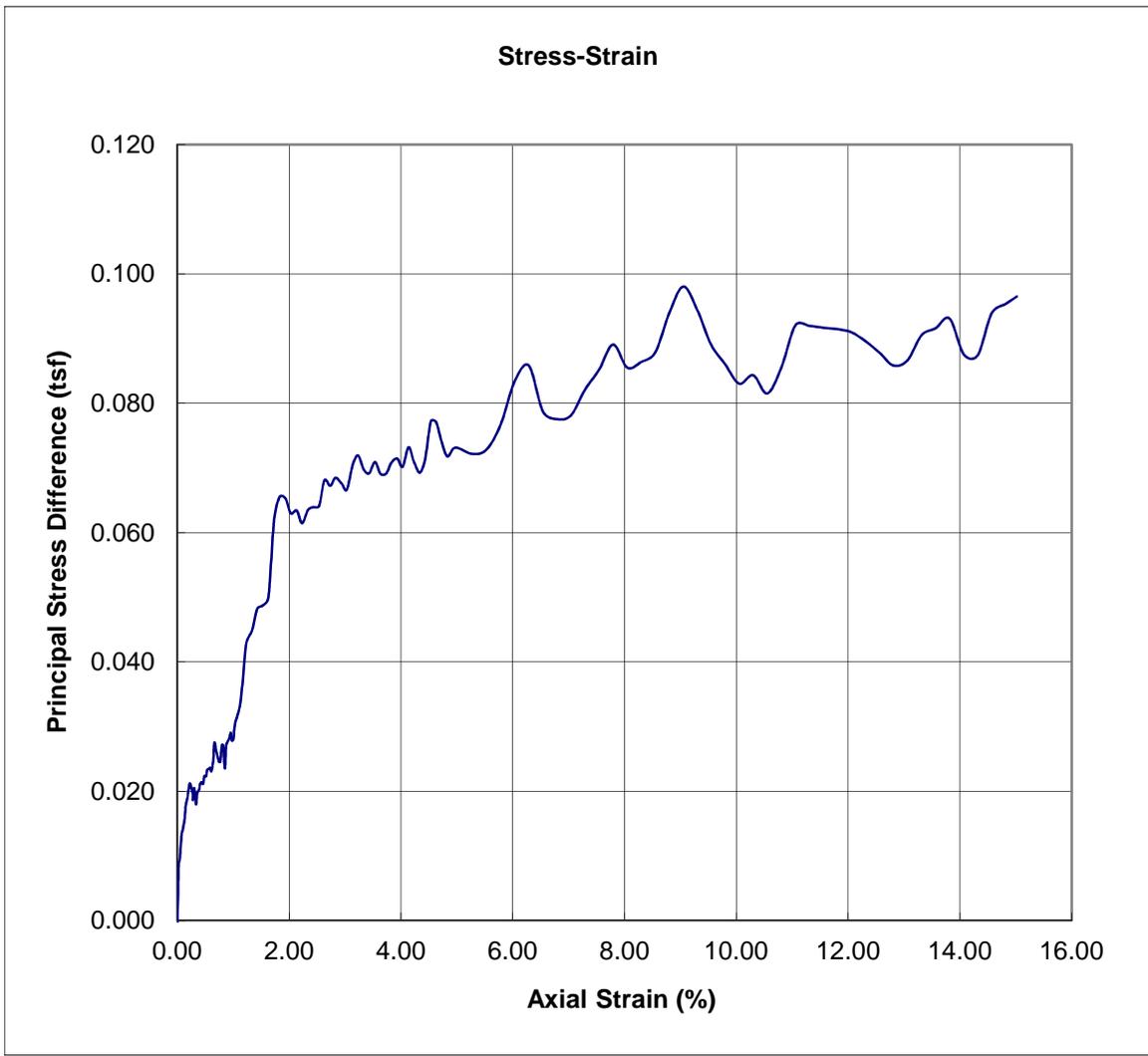
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	9:26:52 PM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	54
Diameter (inch):	2.85	Height (inch):	6.05
Failure:	Bulge	Test Type:	UC



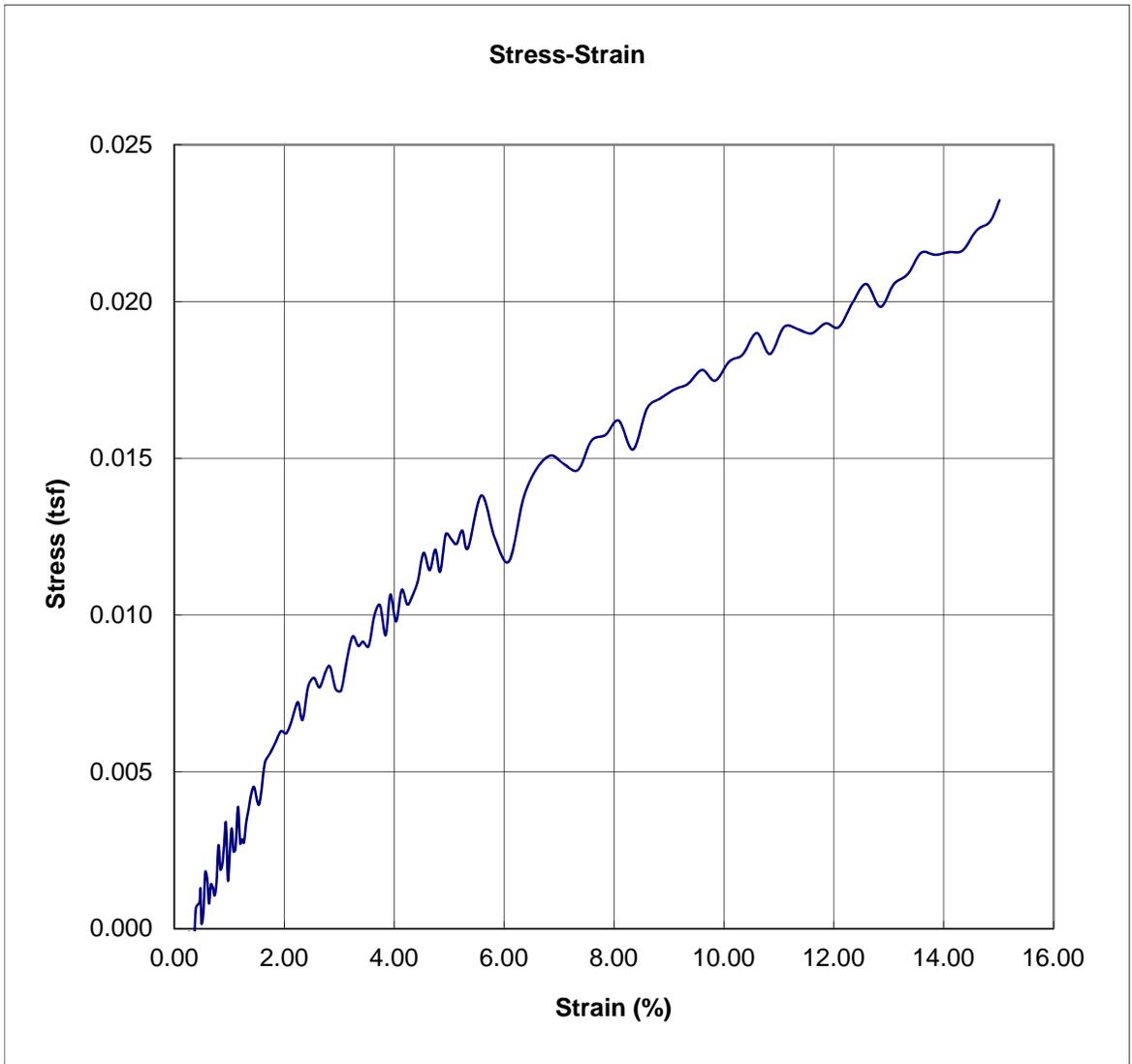
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/1/2011	Time:	9:47:54 PM
Boring:	16	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	59
Diameter (inch):	2.83	Height (inch):	5.04
Failure:	Bulge	Test Type:	UC



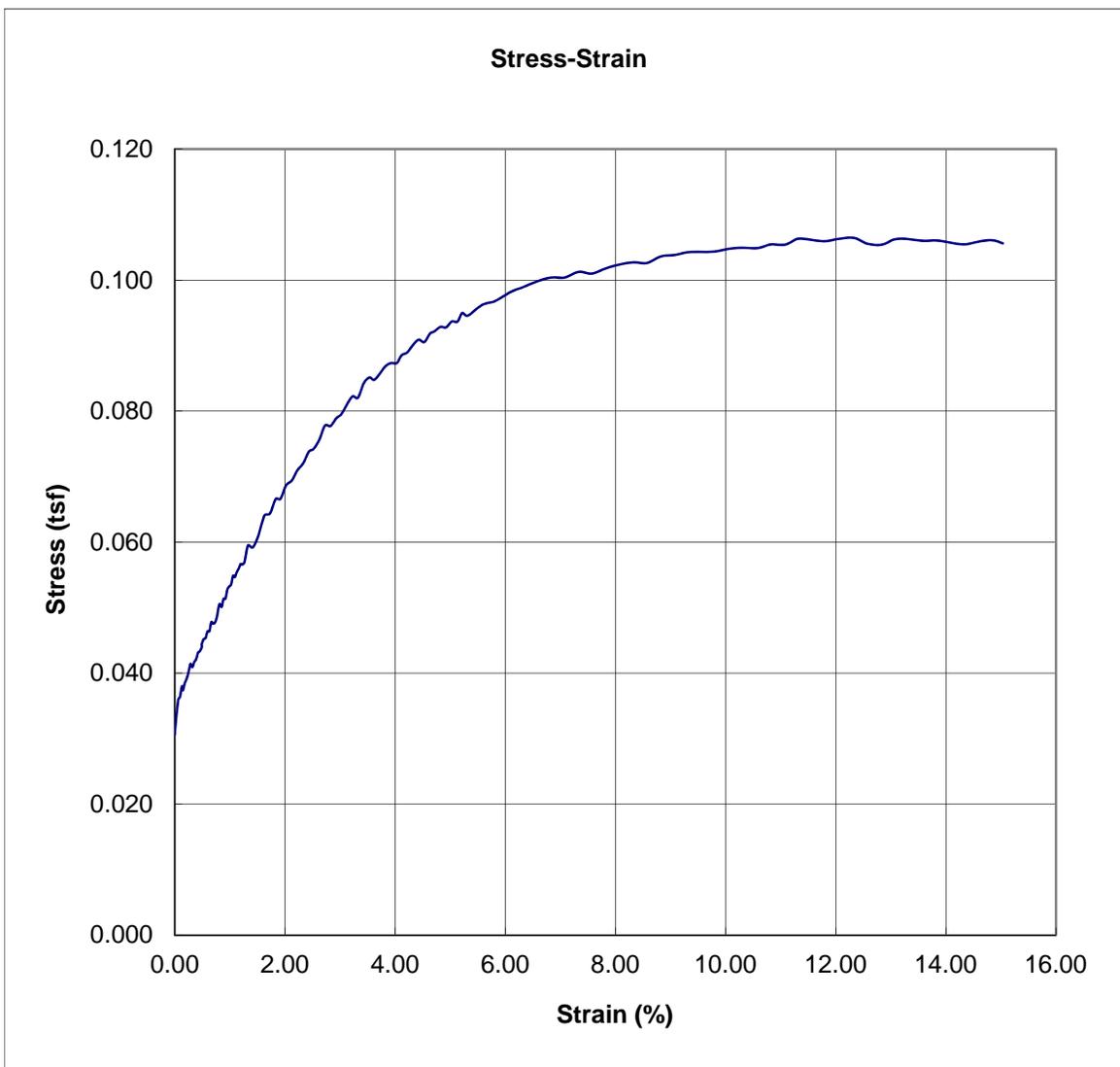
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	11:13:20 AM
Boring:	17	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	5
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	8.48E-02	Test Type:	UU
Failure:	Multiple Shear		



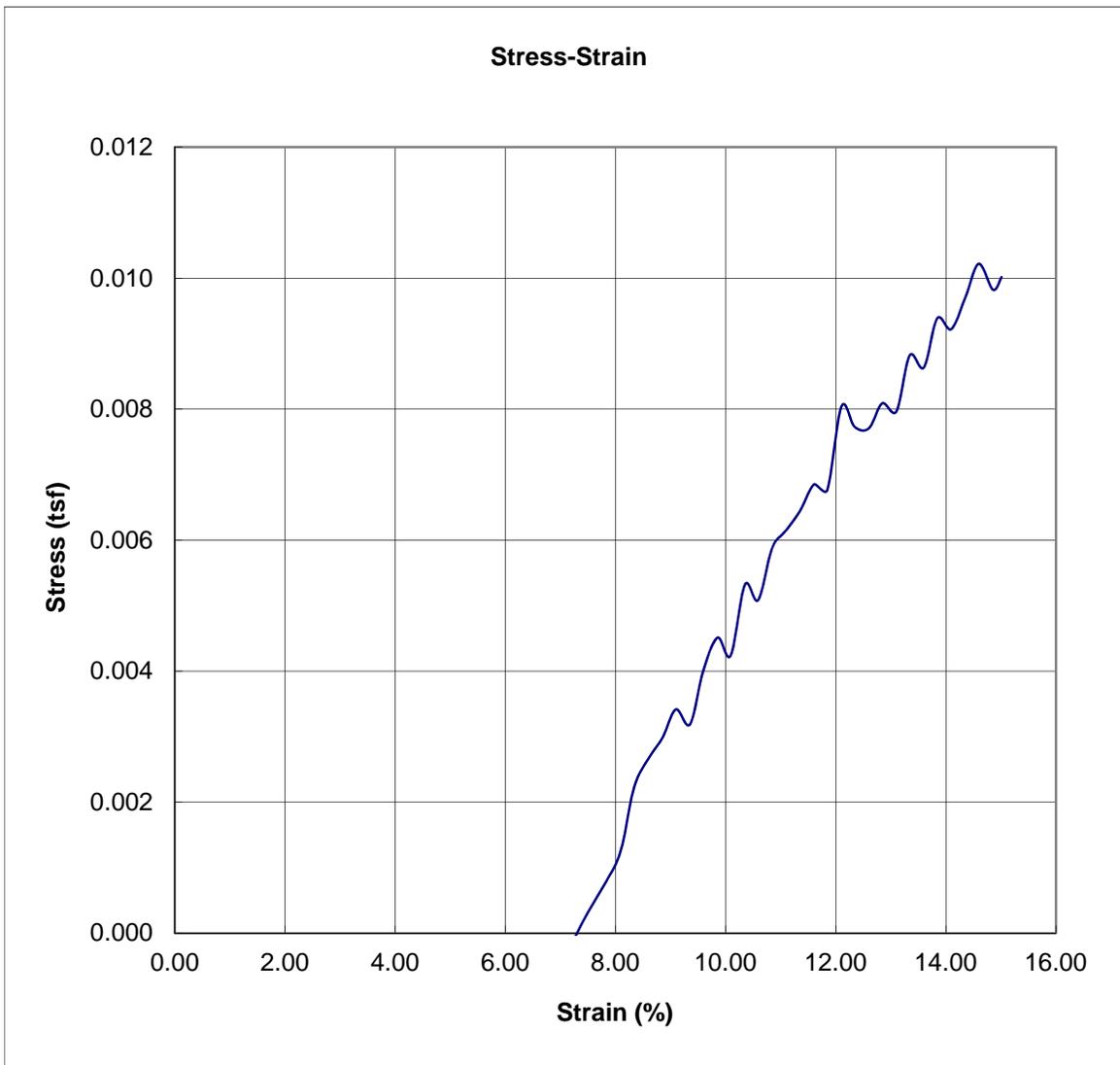
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	10:44:12 AM
Boring:	17	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	7
Diameter (inch):	2.79	Height (inch):	5.8
Failure:	Yield	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	10:33:07 AM
Boring:	17	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	9
Diameter (inch):	2.74	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC

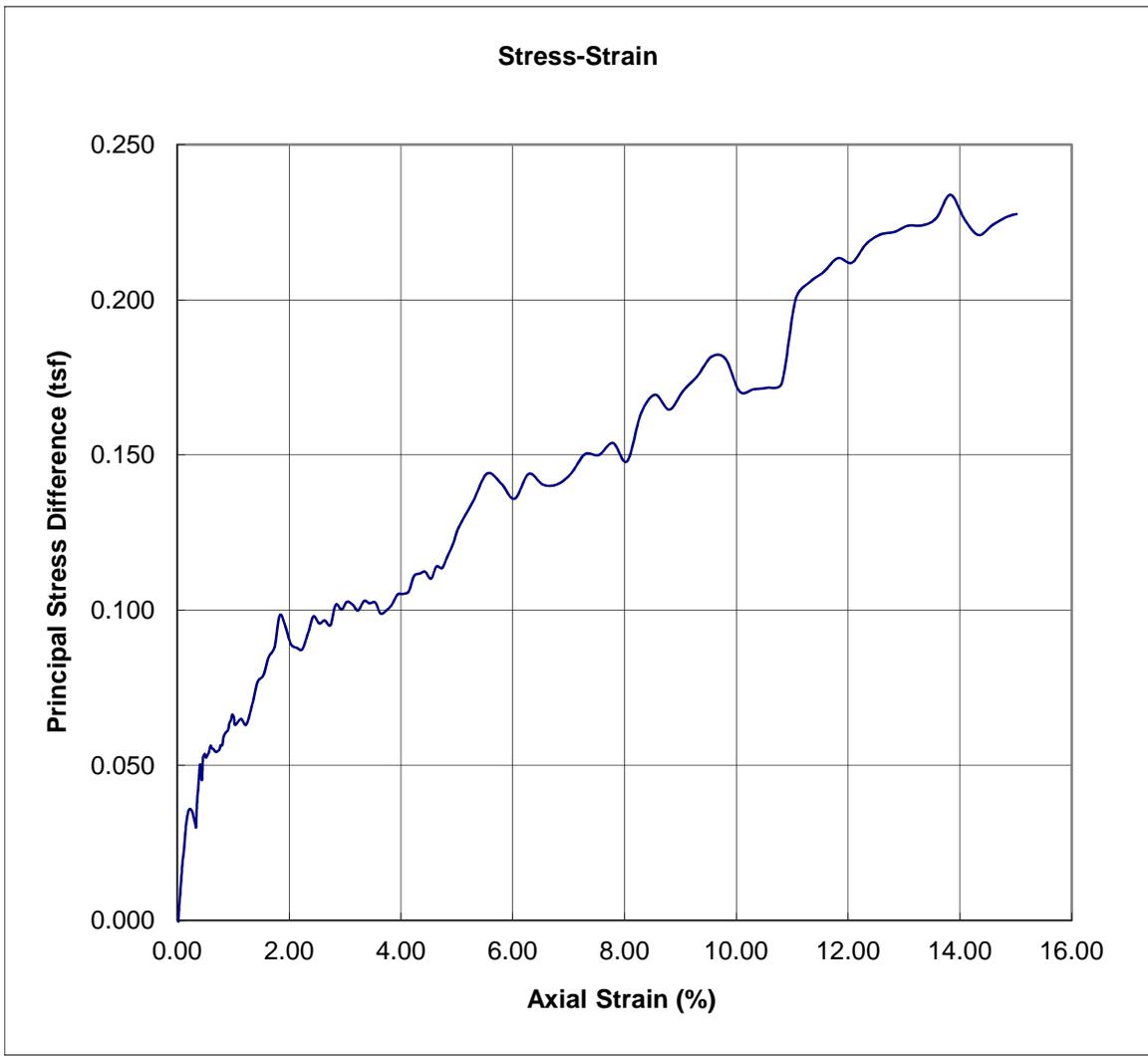


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	1:59:49 PM
Boring:	17	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	11
Diameter (inch):	2.77	Height (inch):	4
Failure:	Yield	Test Type:	UC



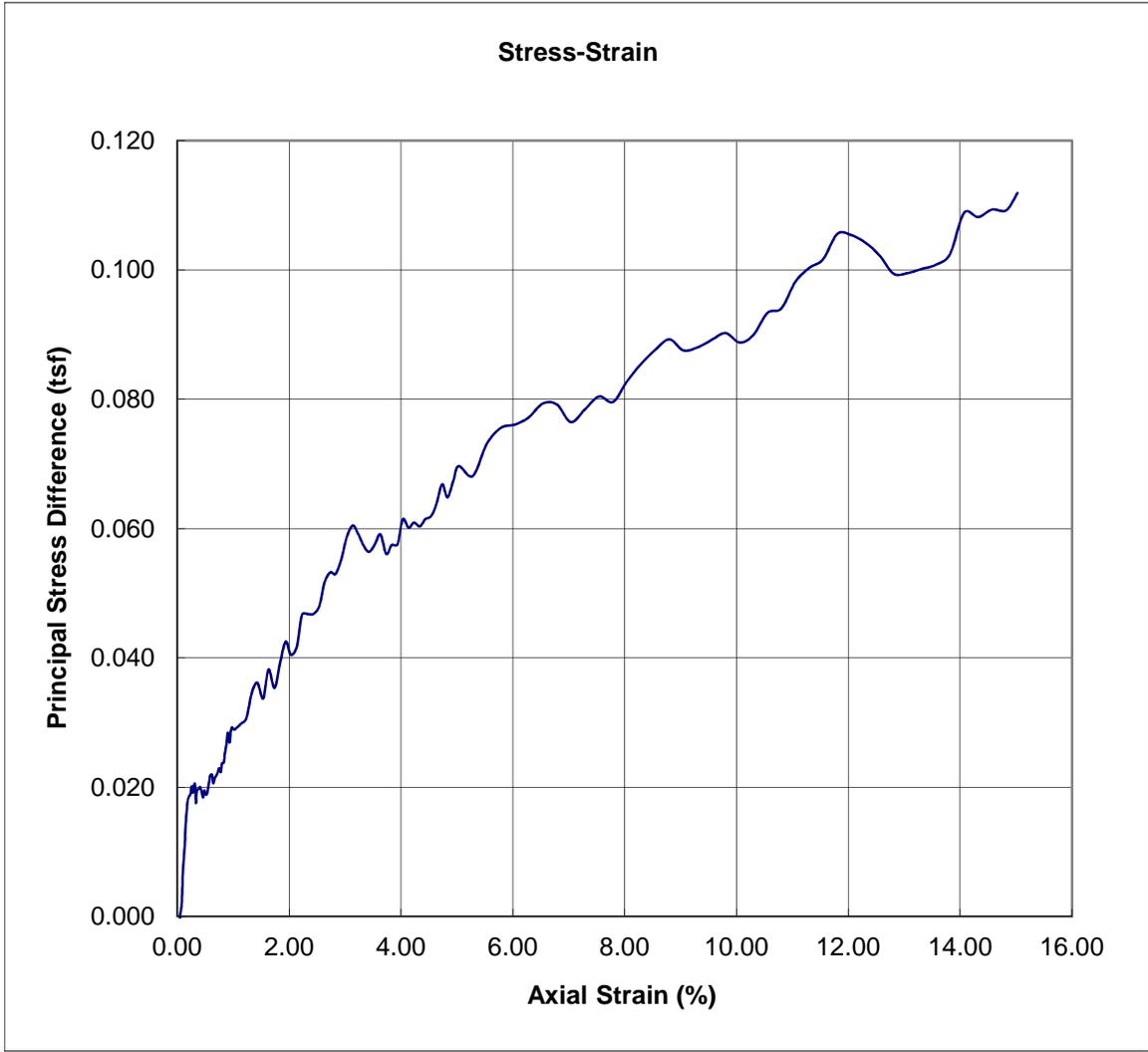
Project: 16715-020-00
Date: 6/14/2011
Boring: 17
Specimen: Specimen1
Diameter (inch): 2.8
Piston Correction (lbs): 0.711557938
Failure: Bulge

Load Frame Name: Load Frame
Time: 10:46:33 AM
Sample: Sample1
Depth (ft): 13
Height (inch): 6
Test Type: UU

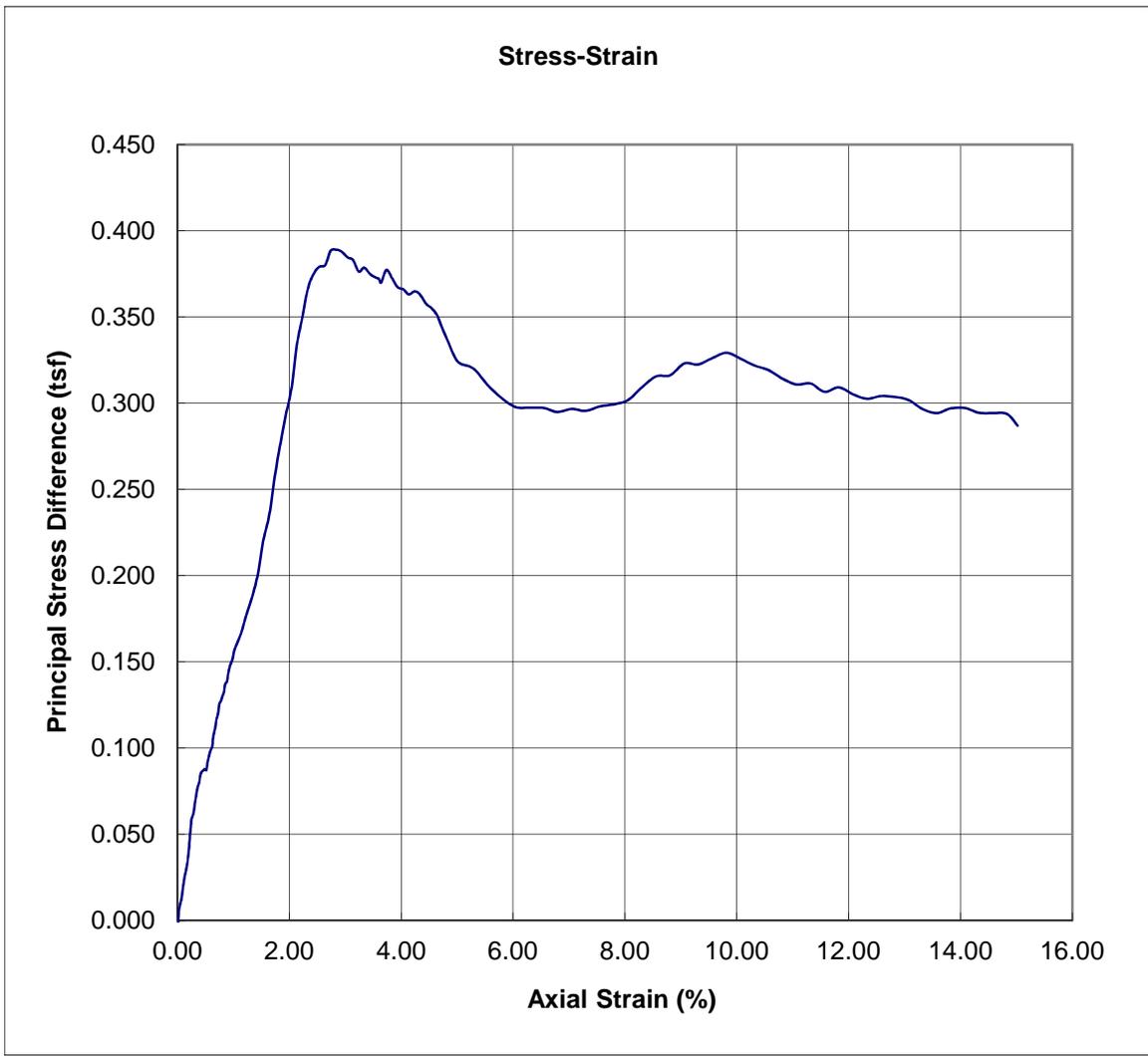


Project: 16715-020-00
Date: 6/13/2011
Boring: 17
Specimen: Specimen1
Diameter (inch): 2.86
Piston Correction (lbs): 0.861565881
Failure: Yield

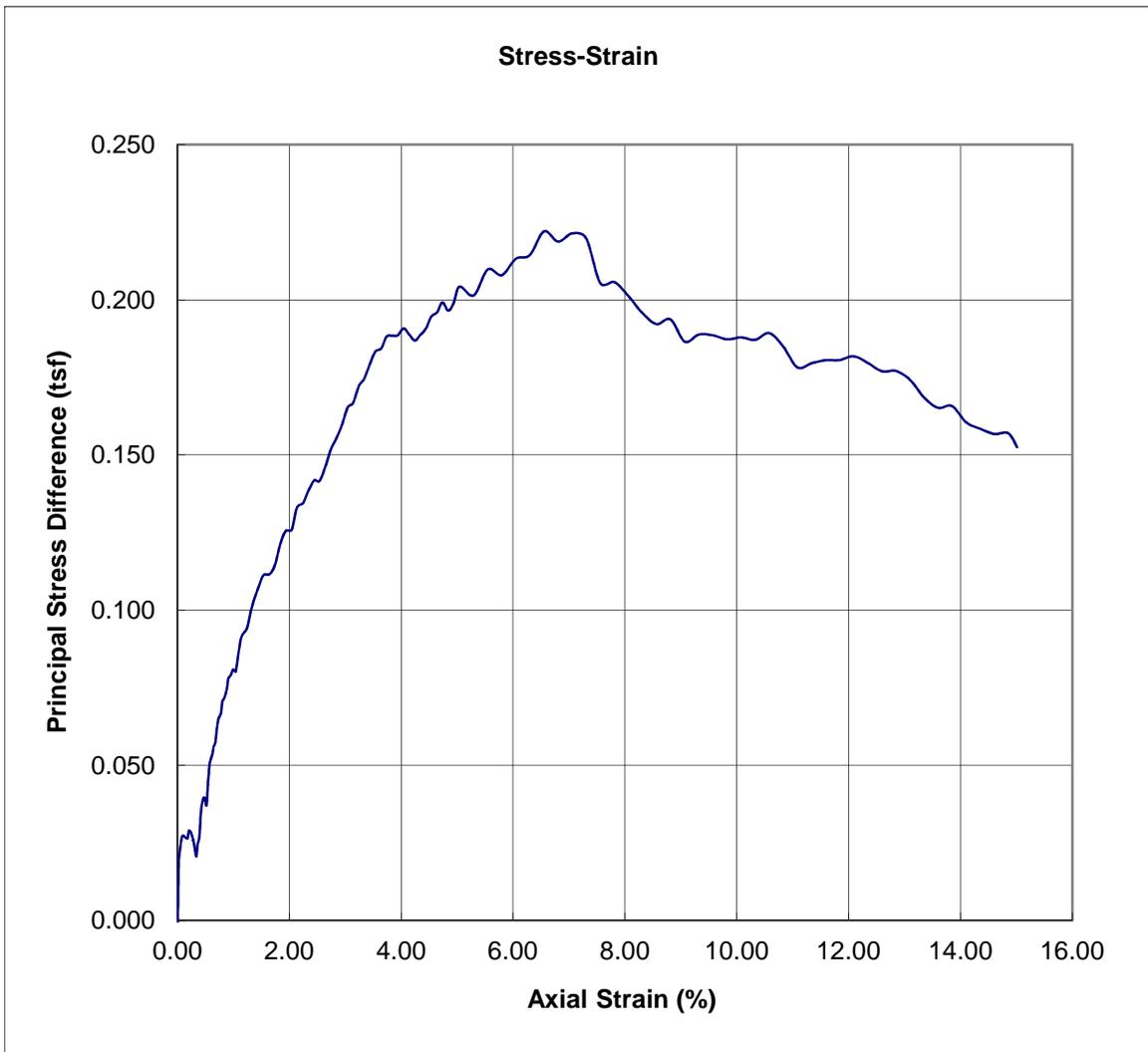
Load Frame Name: Load Frame
Time: 1:31:31 PM
Sample: Sample1
Depth (ft): 15
Height (inch): 6
Test Type: UU



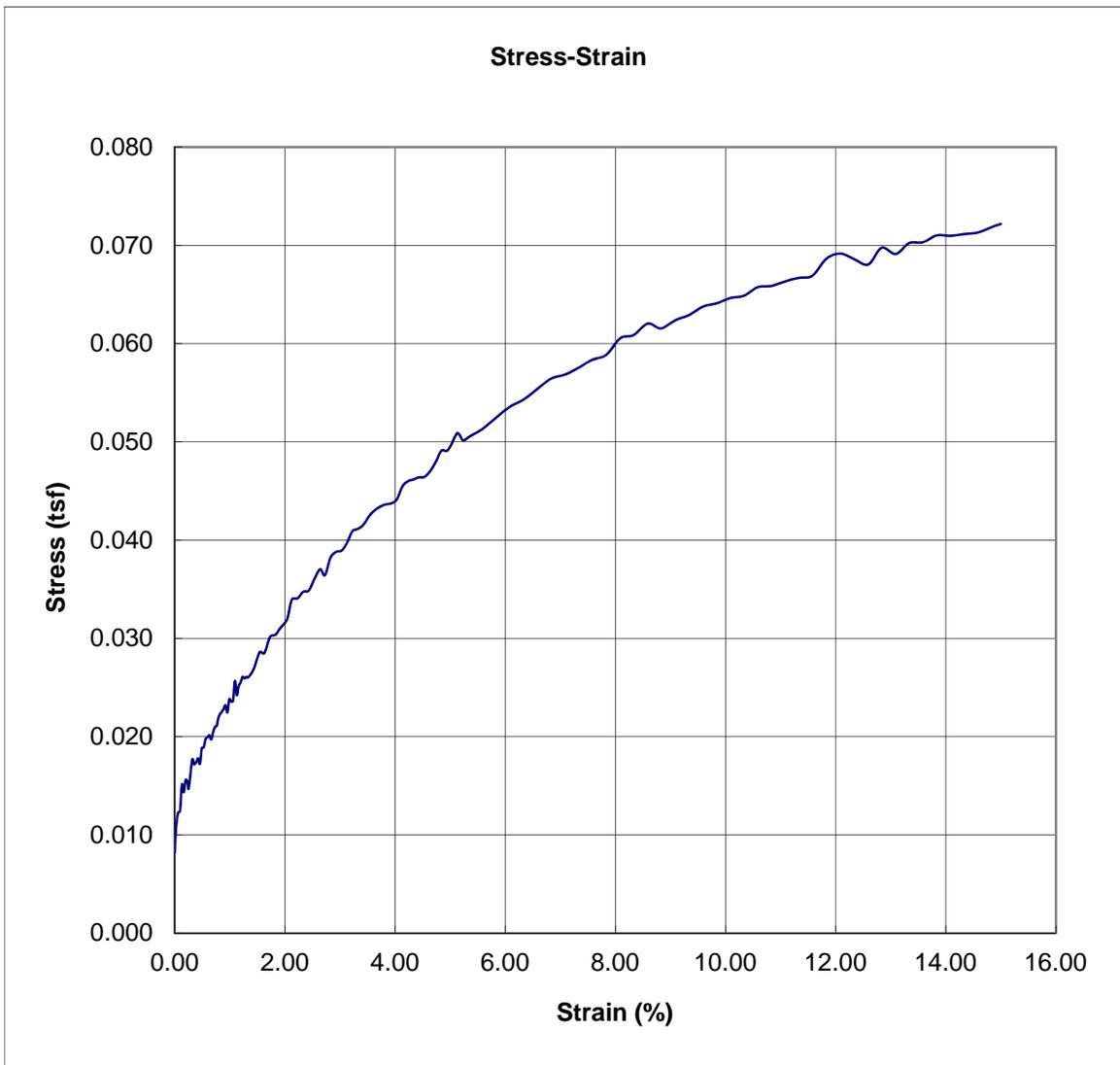
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	2:26:27 PM
Boring:	17	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	19
Diameter (inch):	2.85	Height (inch):	6
Piston Correction (lbs):	1.179121686	Test Type:	UU
Failure:	Multiple Shear		



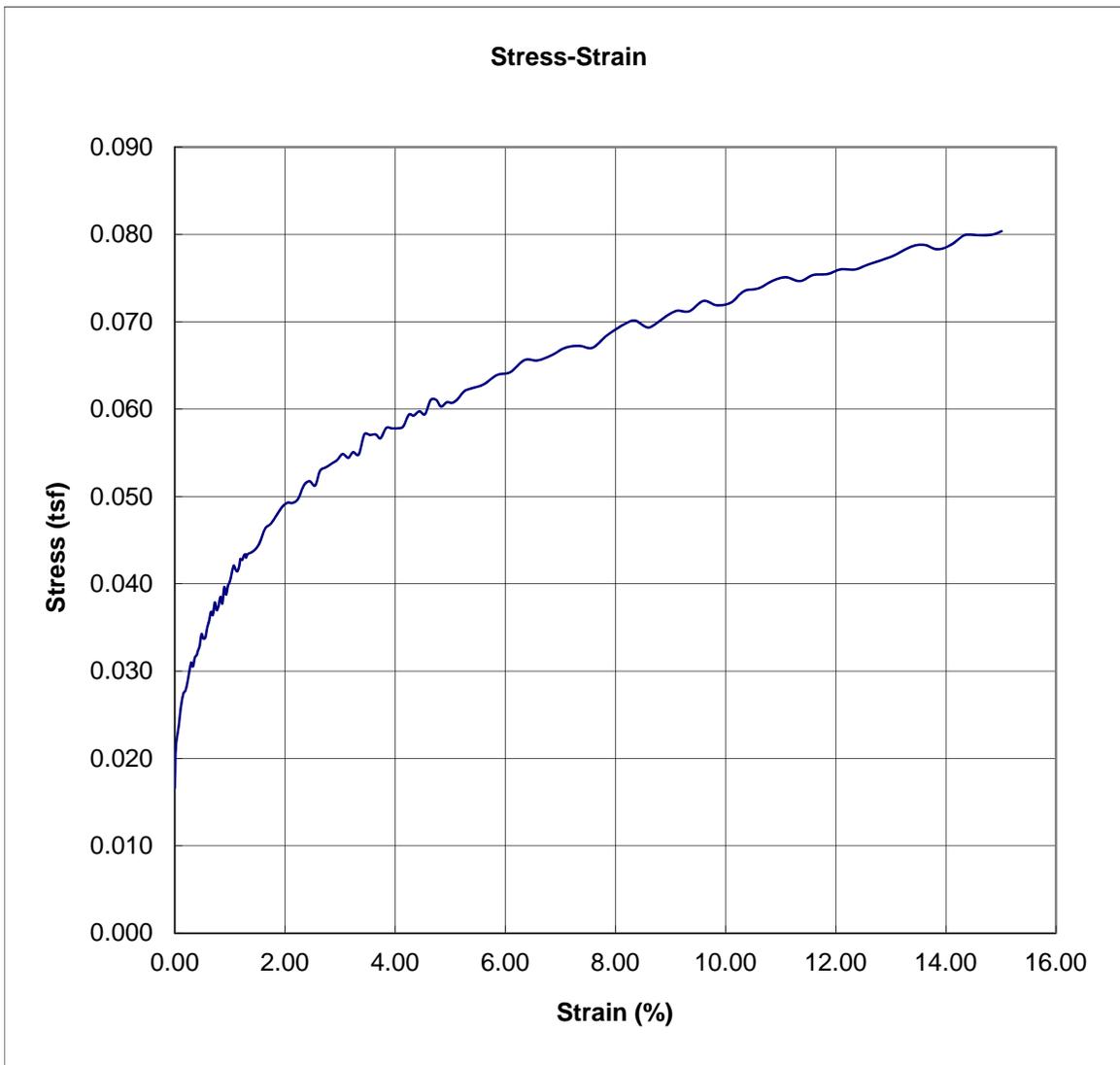
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	3:11:12 PM
Boring:	17	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	21
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	1.332143648	Test Type:	UU
Failure:	Multiple Shear		



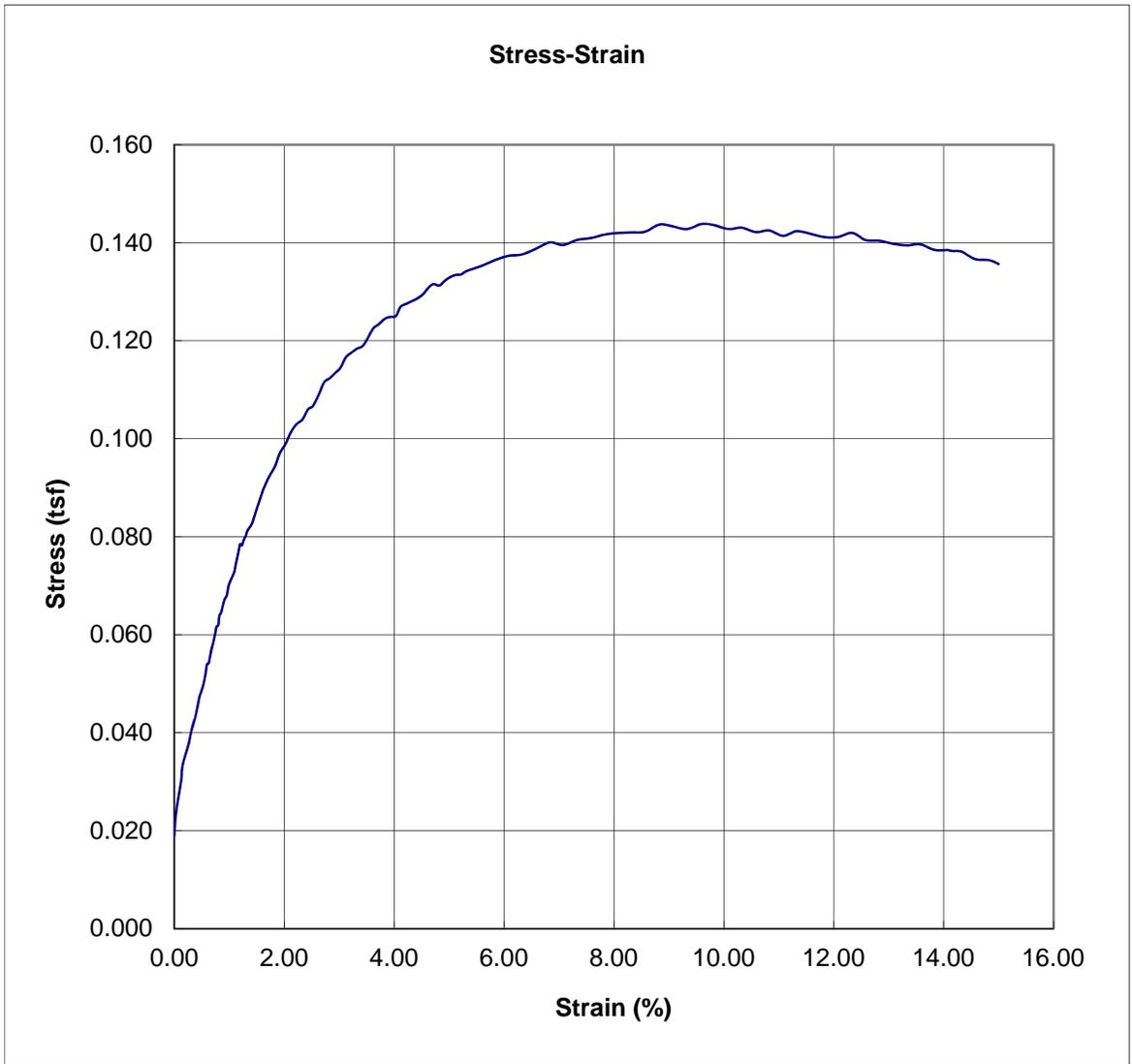
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	10:59:03 AM
Boring:	17	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	28
Diameter (inch):	2.8	Height (inch):	5.9
Failure:	Yield	Test Type:	UC



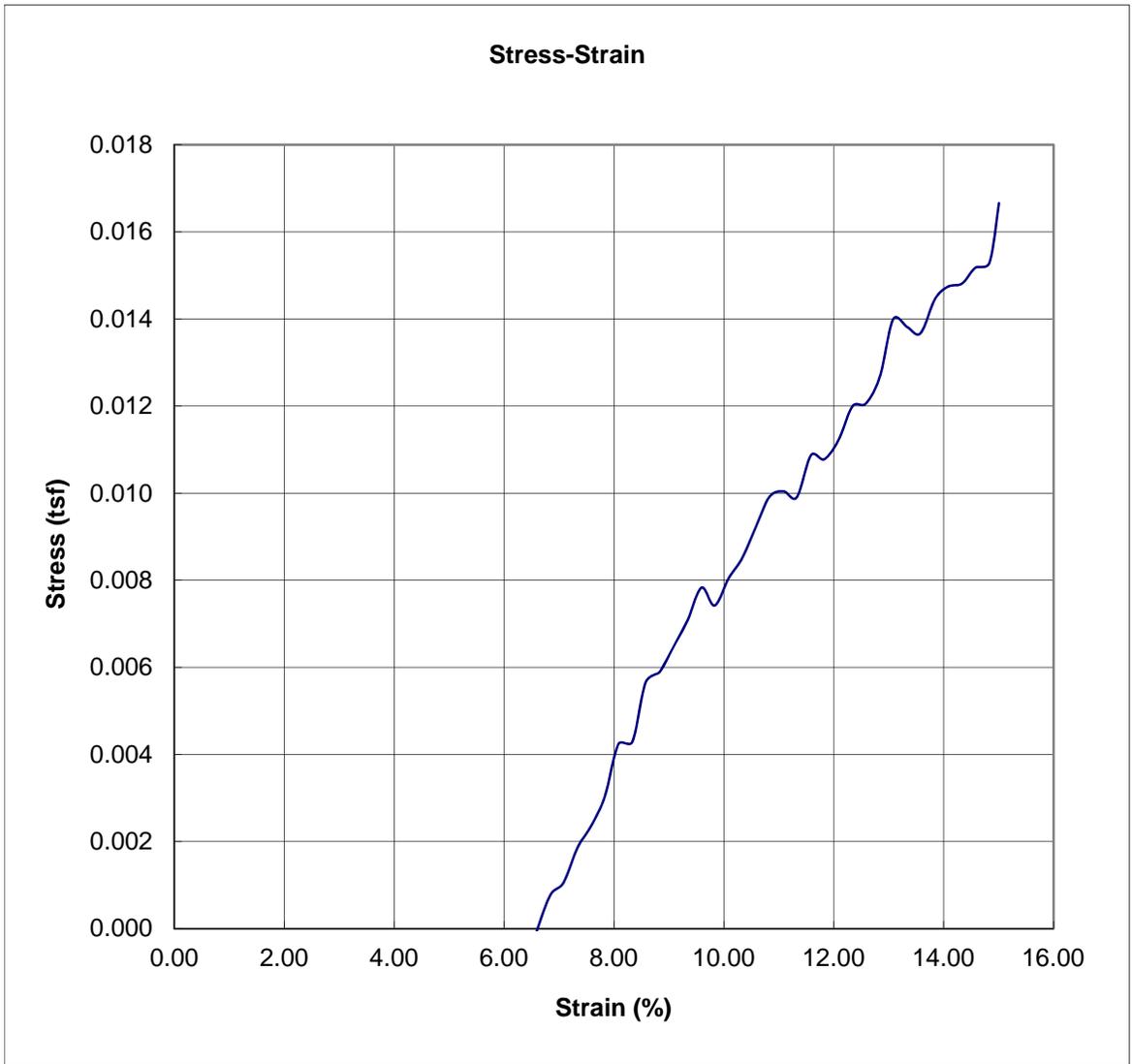
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	11:19:38 AM
Boring:	17	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	33
Diameter (inch):	2.75	Height (inch):	6
Failure:	Yield	Test Type:	UC



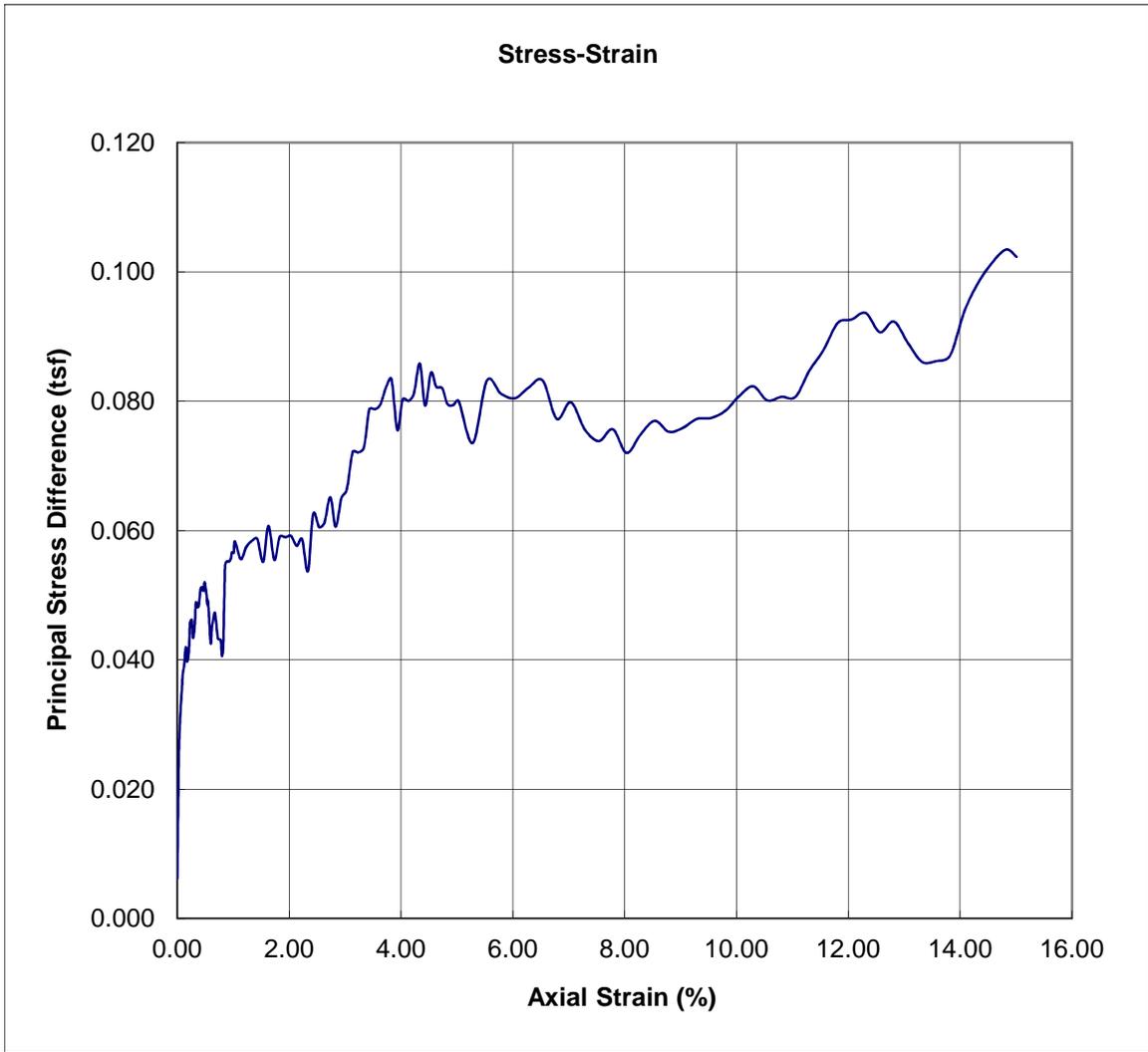
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	11:50:08 AM
Boring:	17	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	43
Diameter (inch):	2.83	Height (inch):	4.8
Failure:	Bulge	Test Type:	UC



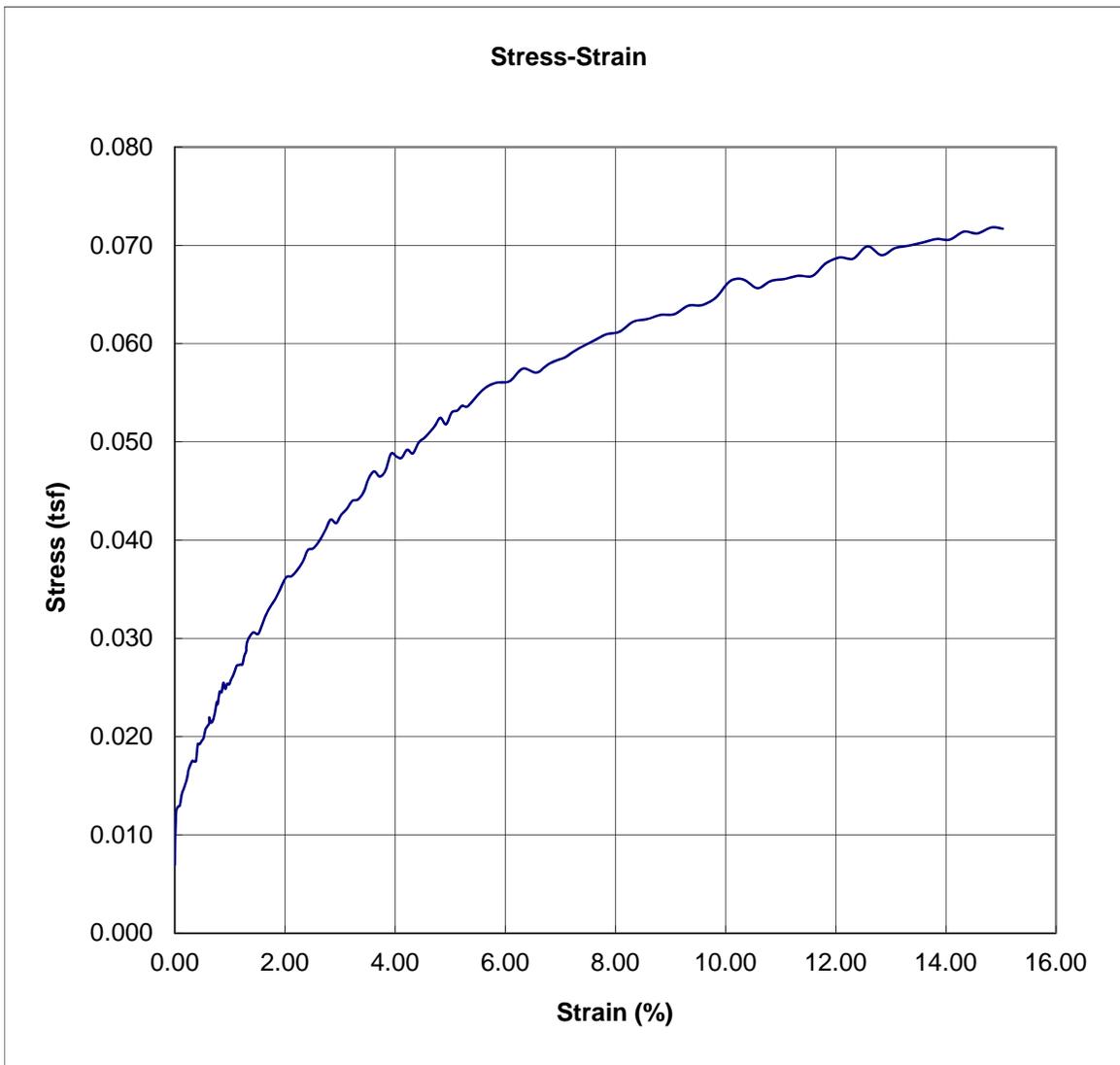
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	1:19:07 PM
Boring:	18	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	6
Diameter (inch):	2.85	Height (inch):	6
Failure:	Yield	Test Type:	UC



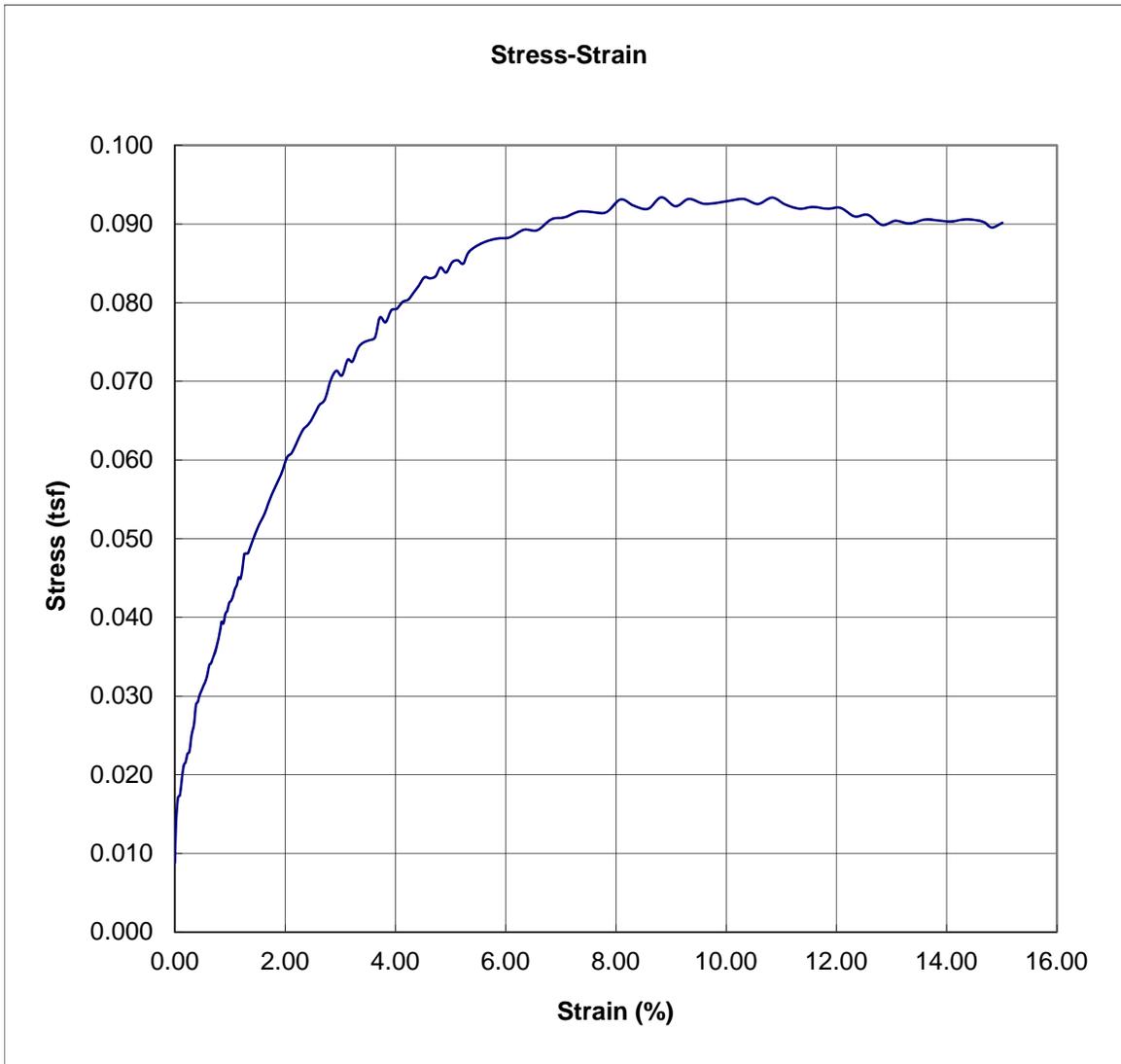
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/13/2011	Time:	3:59:09 PM
Boring:	18	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	8
Diameter (inch):	2.82	Height (inch):	6
Piston Correction (lbs):	0.203286321	Test Type:	UU
Failure:	Yield		



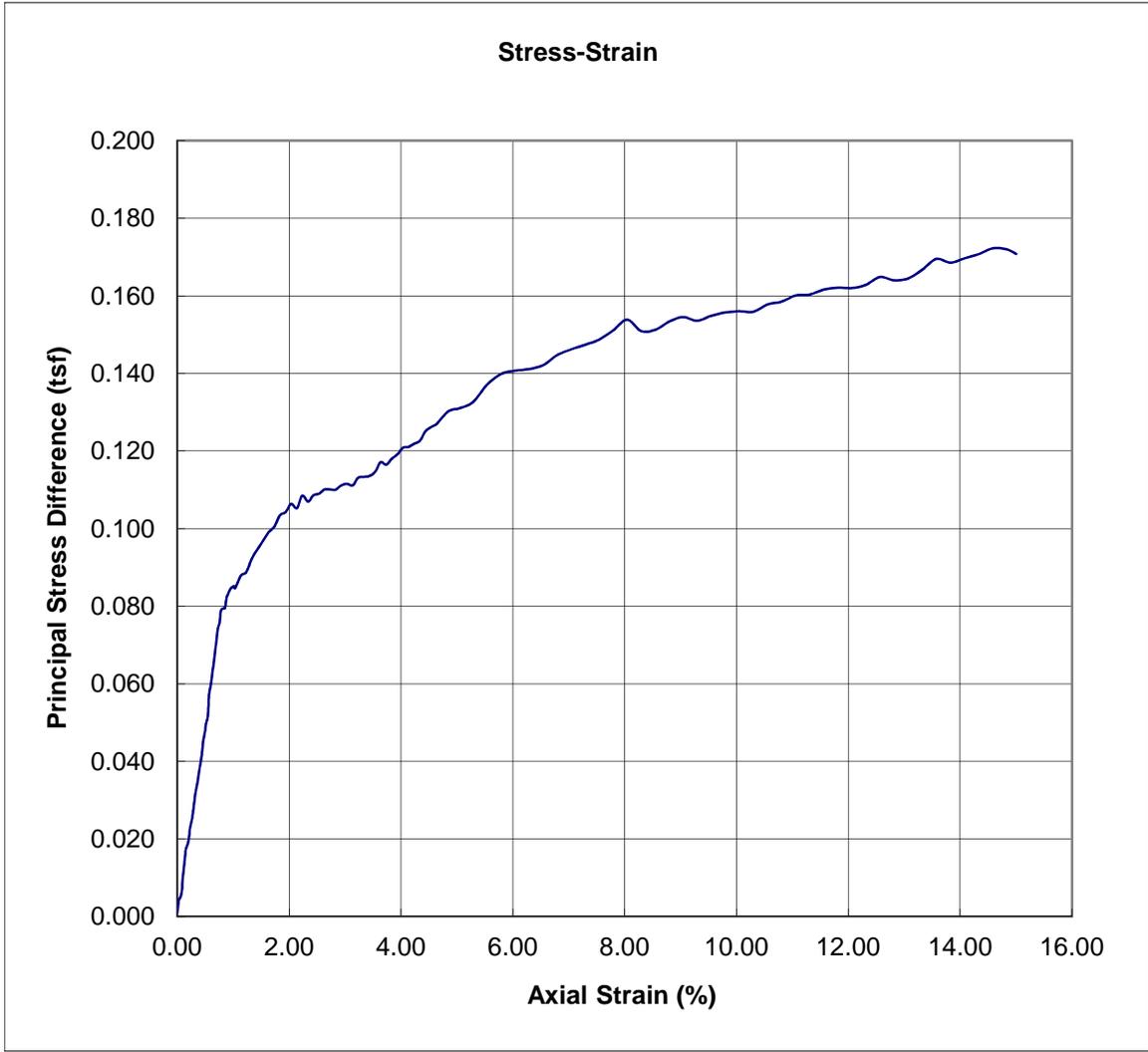
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	1:41:54 PM
Boring:	18	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	12
Diameter (inch):	2.59	Height (inch):	6
Failure:	Yield	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	1:57:22 PM
Boring:	18	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	14
Diameter (inch):	2.73	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



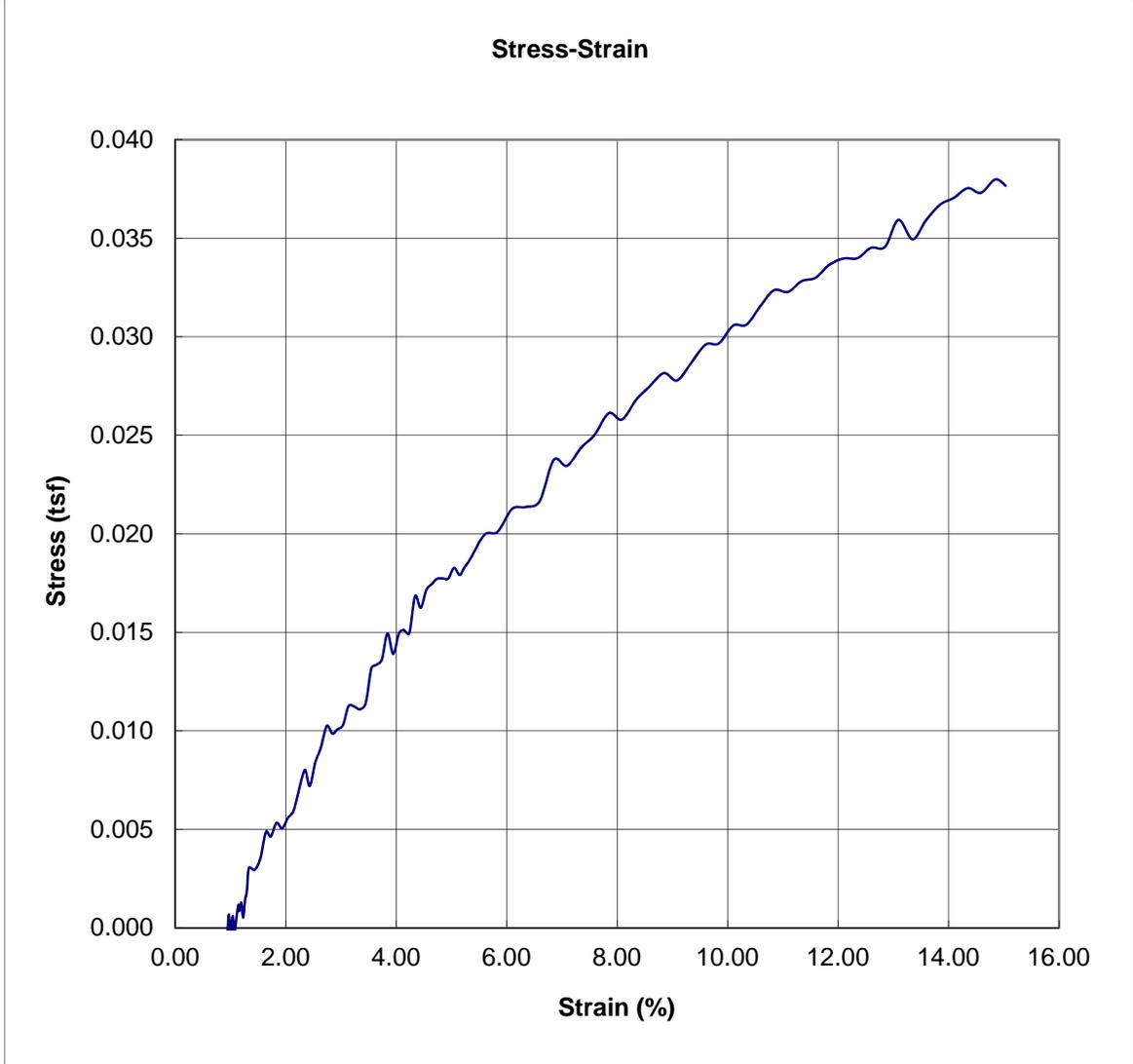
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	8:56:33 AM
Boring:	18	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	16
Diameter (inch):	2.88	Height (inch):	6
Piston Correction (lbs):	0.857658818	Test Type:	Yield
Failure:	Yield		



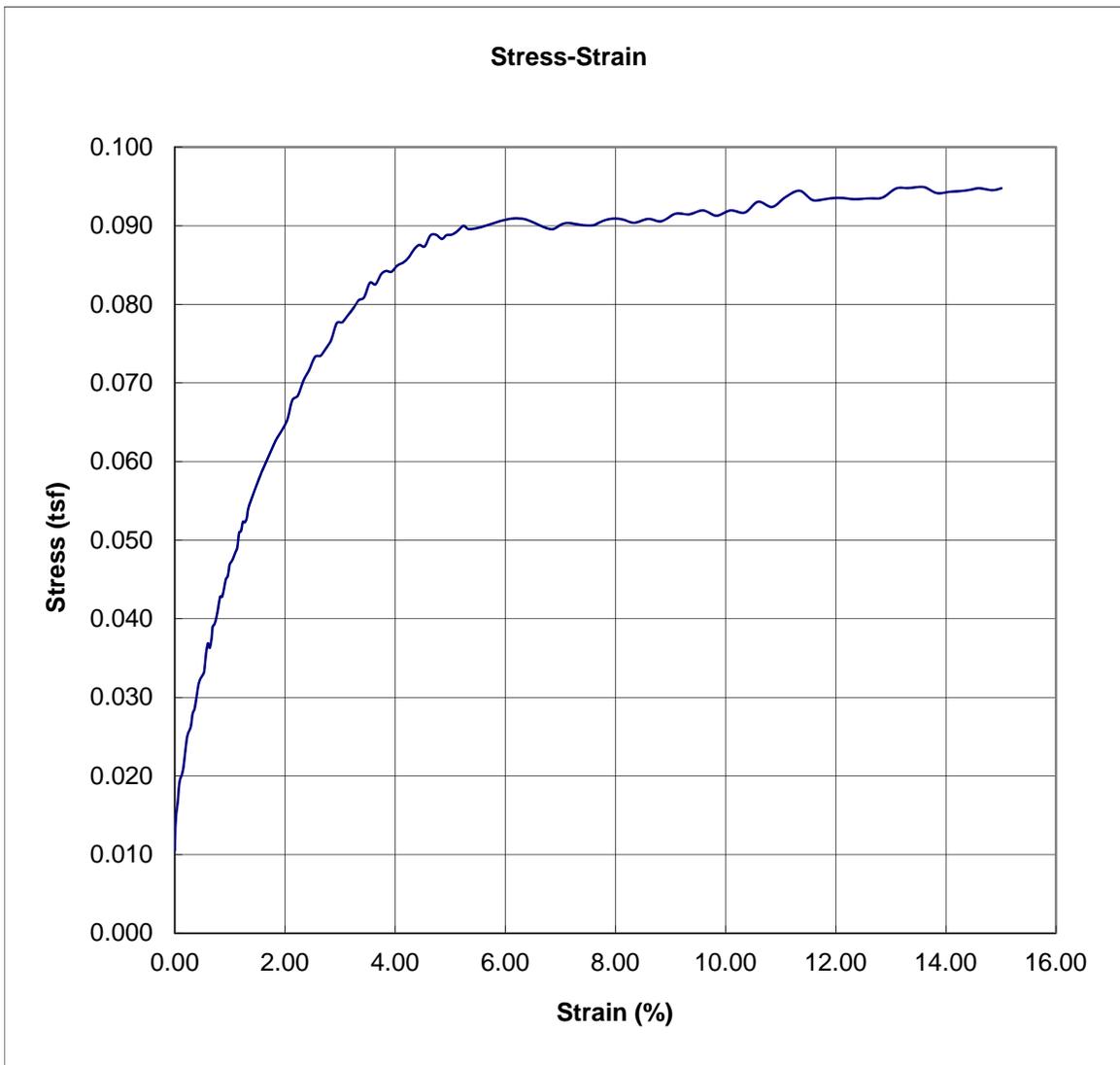
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	2:14:54 PM
Boring:	18	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	24
Diameter (inch):	2.78	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



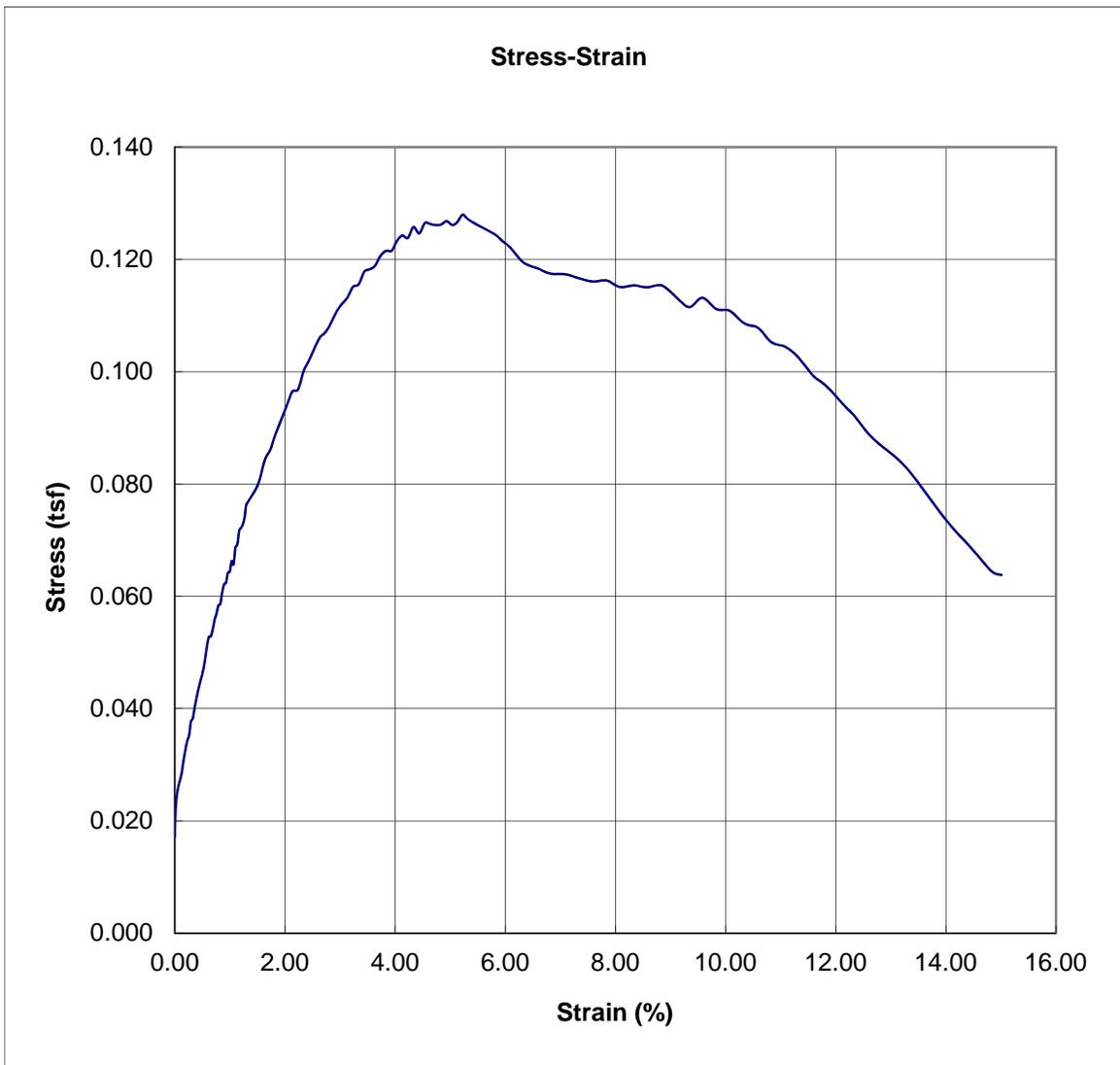
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	2:34:13 PM
Boring:	18	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	29
Diameter (inch):	2.82	Height (inch):	5.8
Failure:	Yield	Test Type:	UC



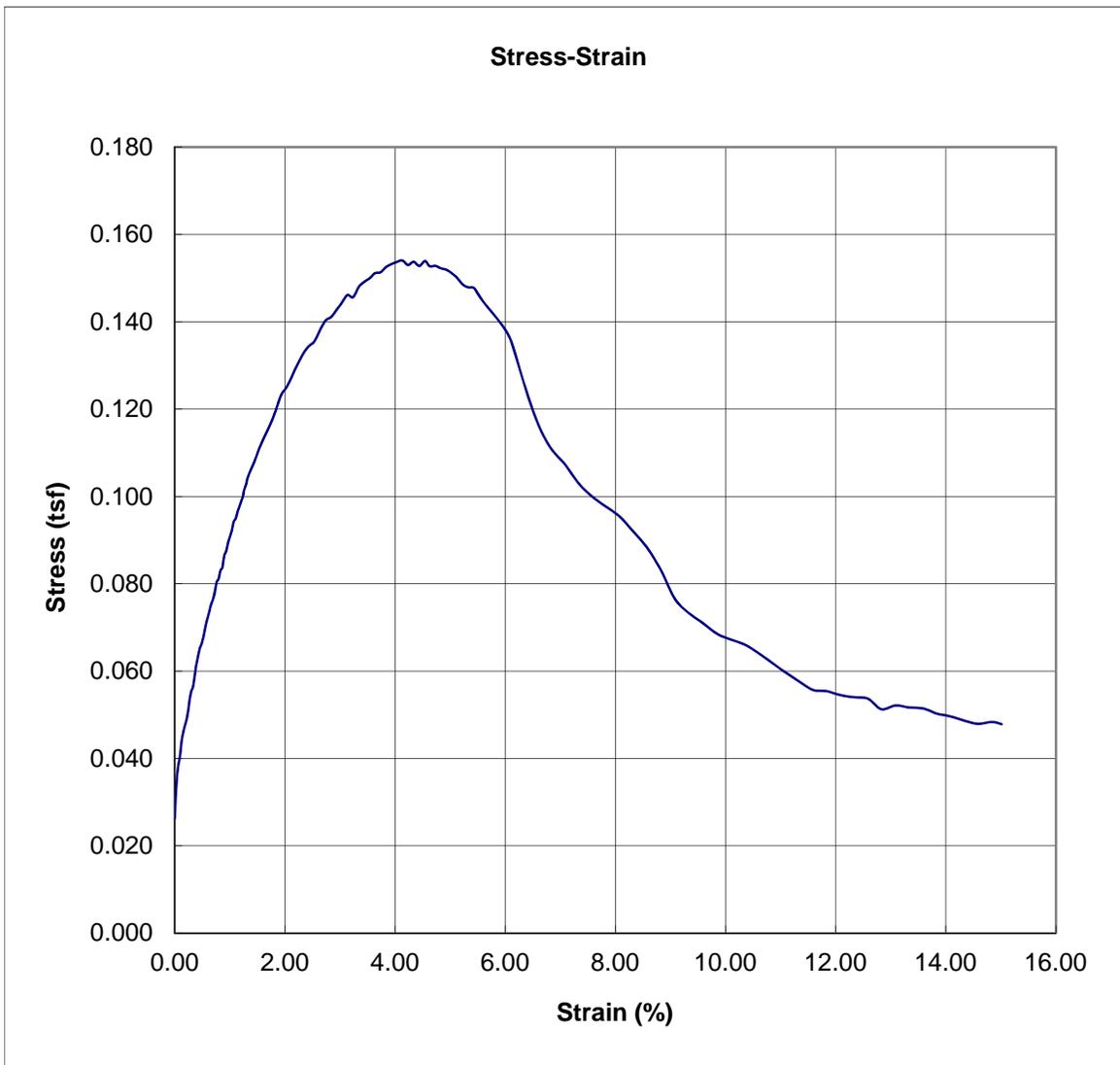
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	2:50:12 PM
Boring:	18	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	34
Diameter (inch):	2.77	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



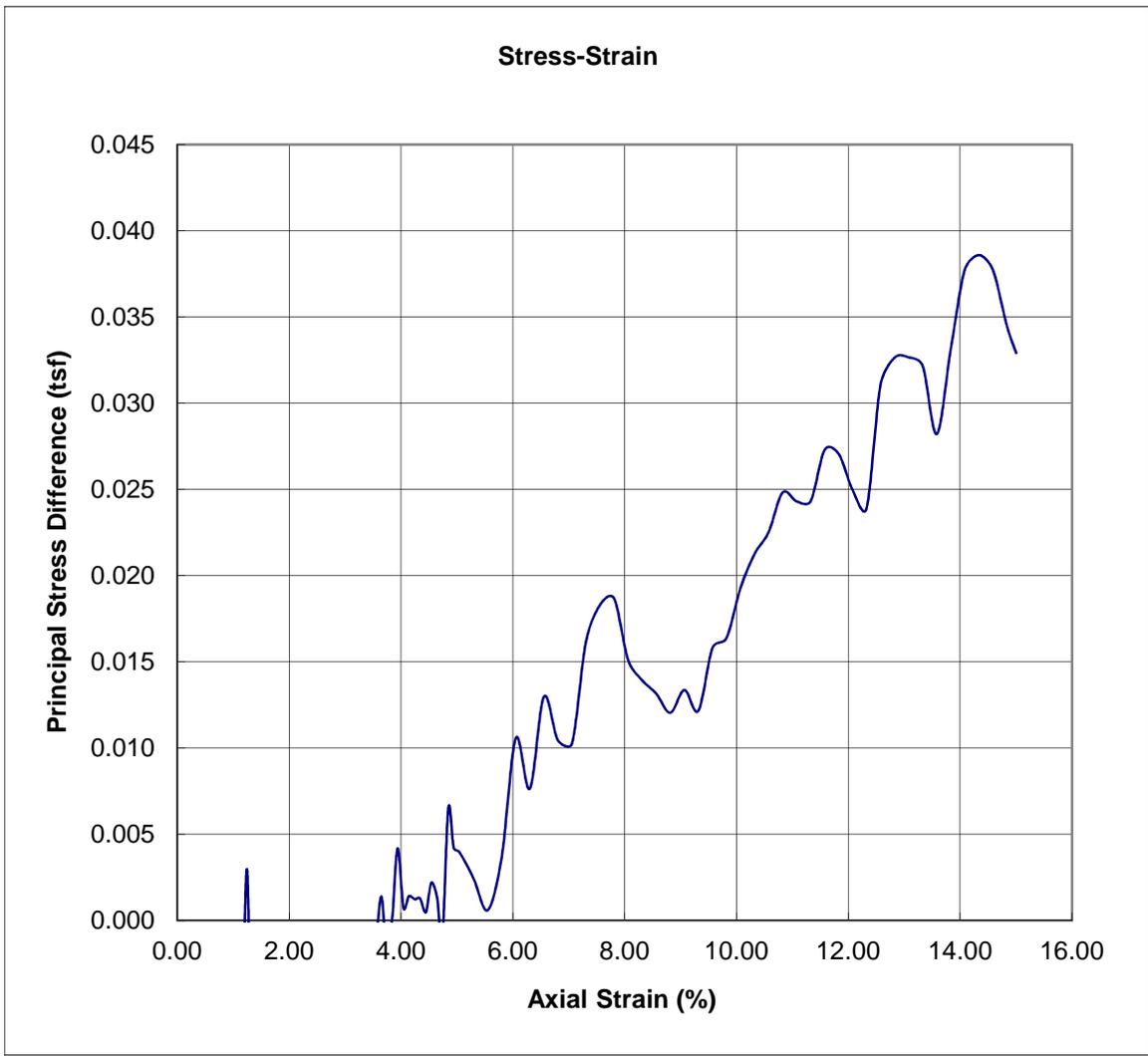
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	3:20:41 PM
Boring:	18	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	39
Diameter (inch):	2.78	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



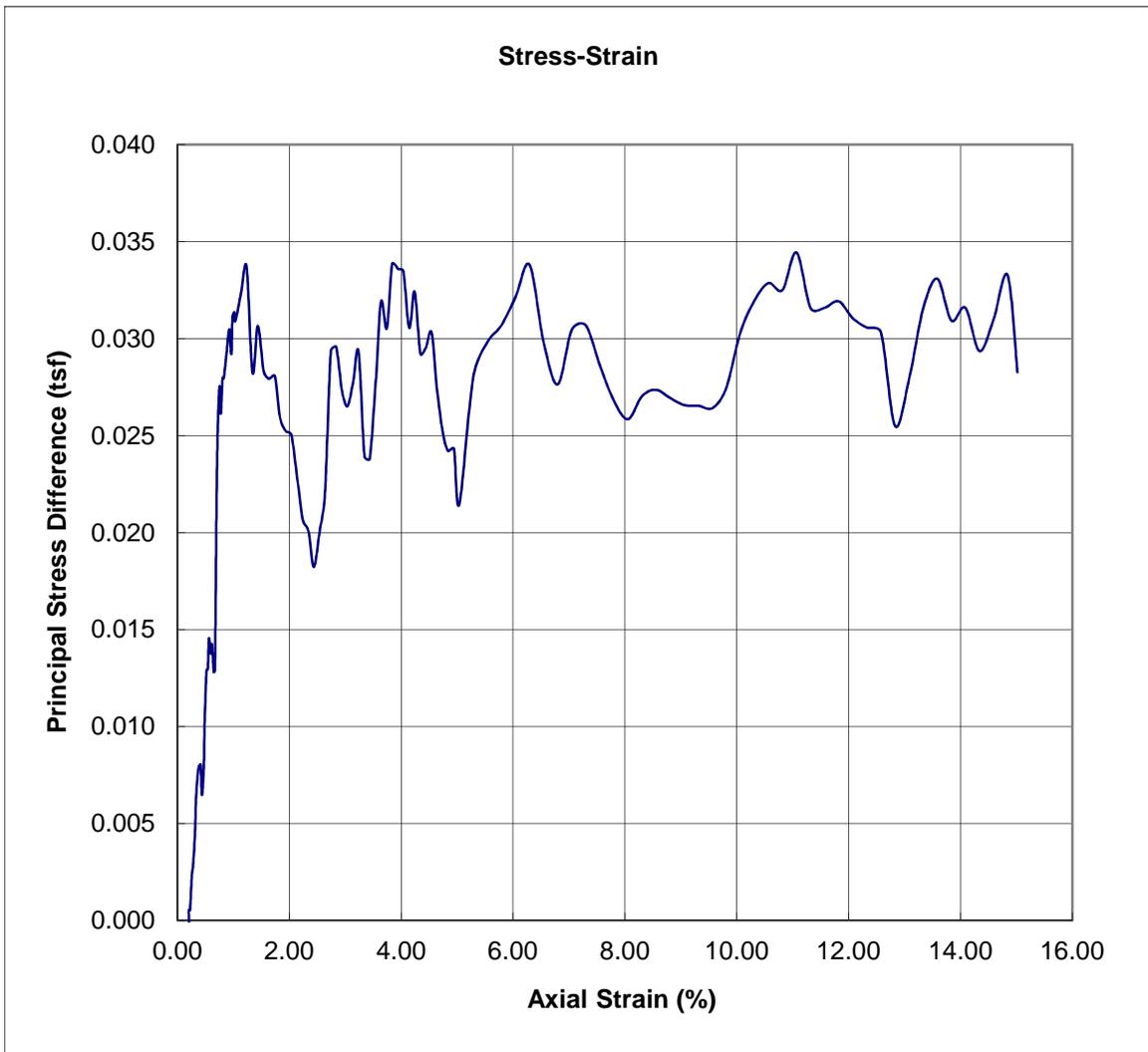
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	3:50:15 PM
Boring:	18	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	44
Diameter (inch):	2.81	Height (inch):	5.9
Failure:	Multiple Shear	Test Type:	UC



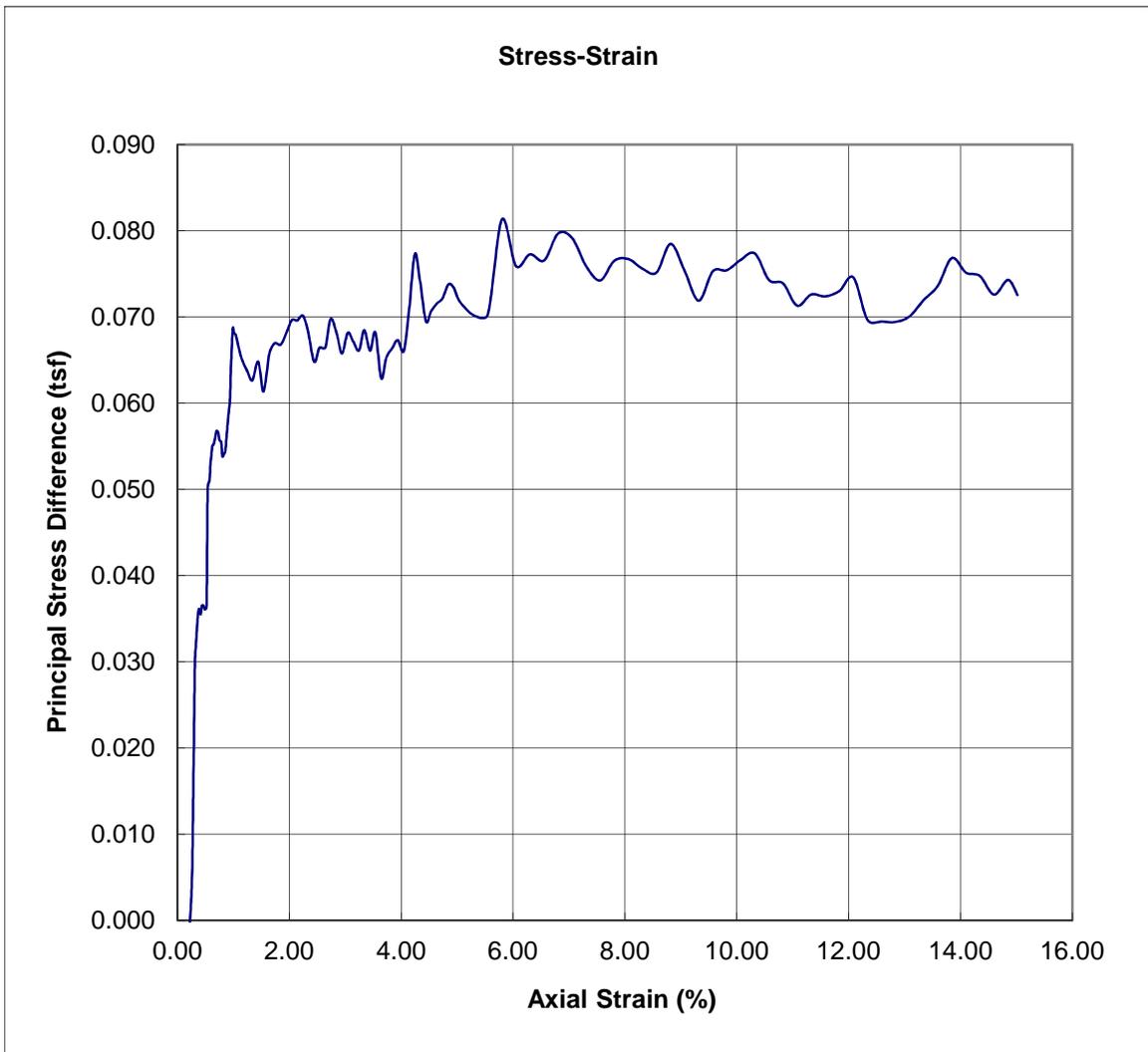
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	9:55:31 AM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	6
Diameter (inch):	2.81	Height (inch):	6
Piston Correction (lbs):	0.11348435	Test Type:	UU
Failure:	Bulge		



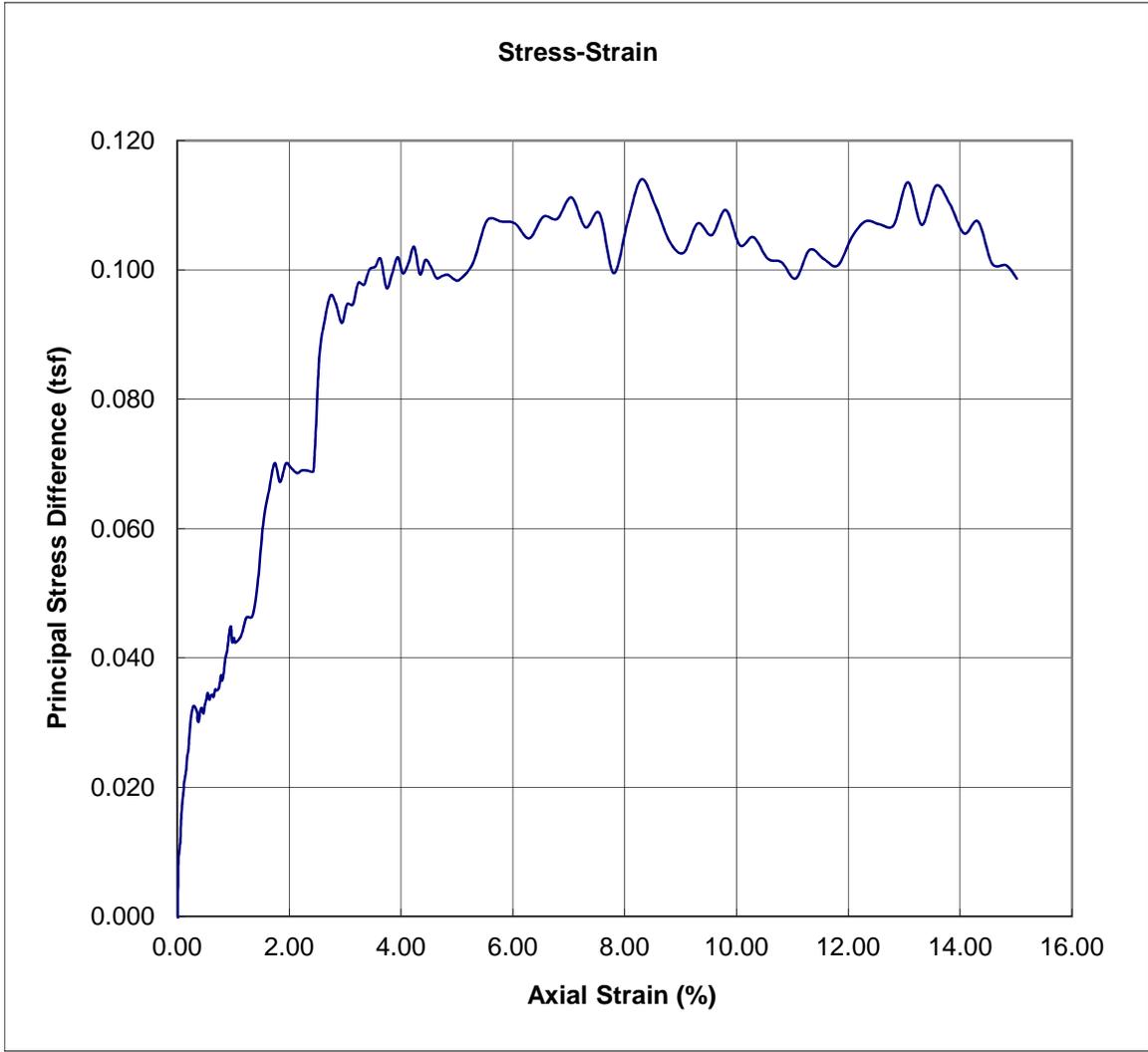
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	11:32:11 AM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	12
Diameter (inch):	2.87	Height (inch):	6
Piston Correction (lbs):	0.552573055	Test Type:	UU
Failure:	Bulge		



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	1:47:45 PM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	14
Diameter (inch):	2.81	Height (inch):	6
Piston Correction (lbs):	0.711916086	Test Type:	UU
Failure:	Multiple Shear		

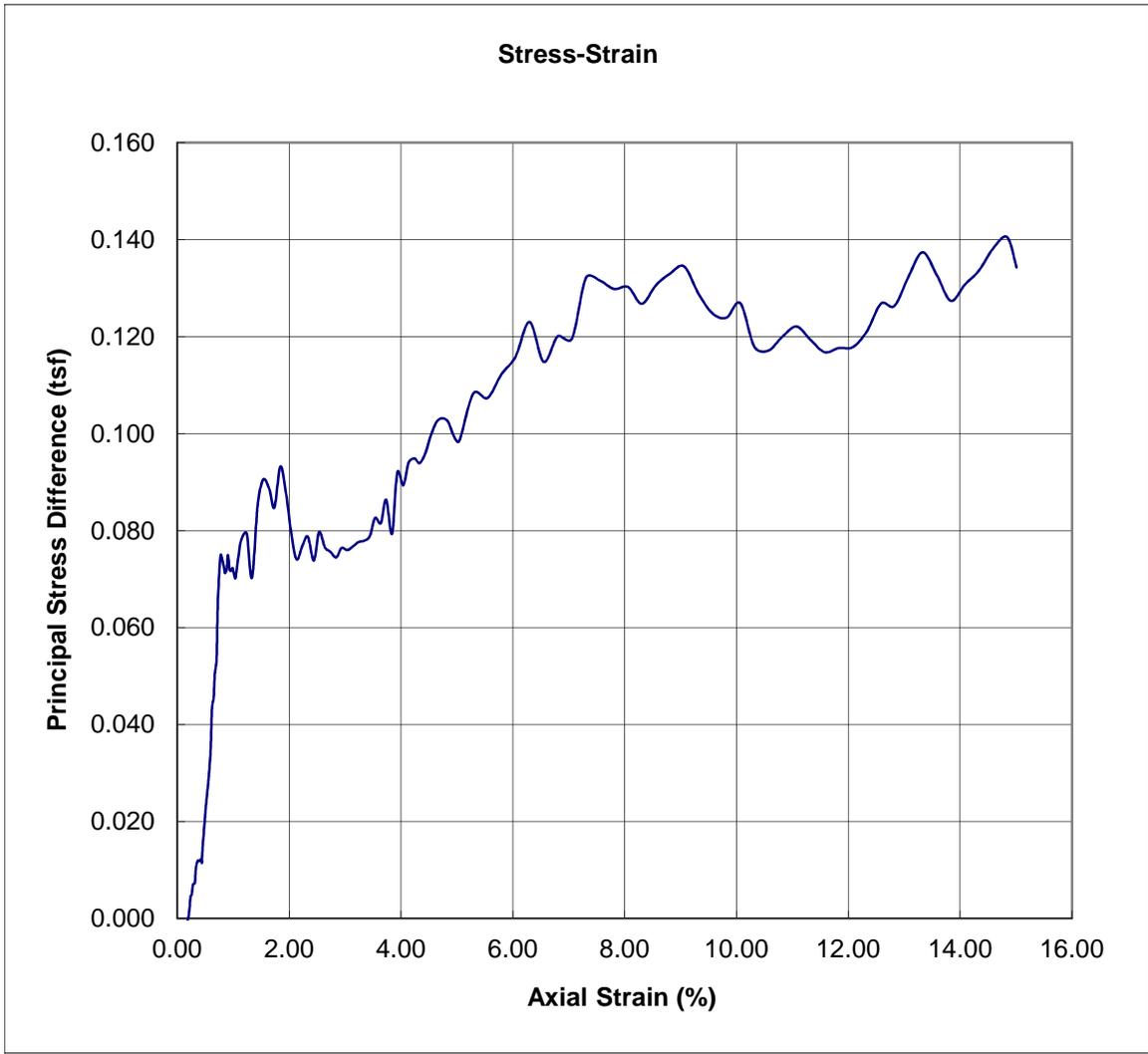


Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	2:31:52 PM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	16
Diameter (inch):	2.74	Height (inch):	6
Piston Correction (lbs):	0.864524085	Test Type:	UU
Failure:	Yield		

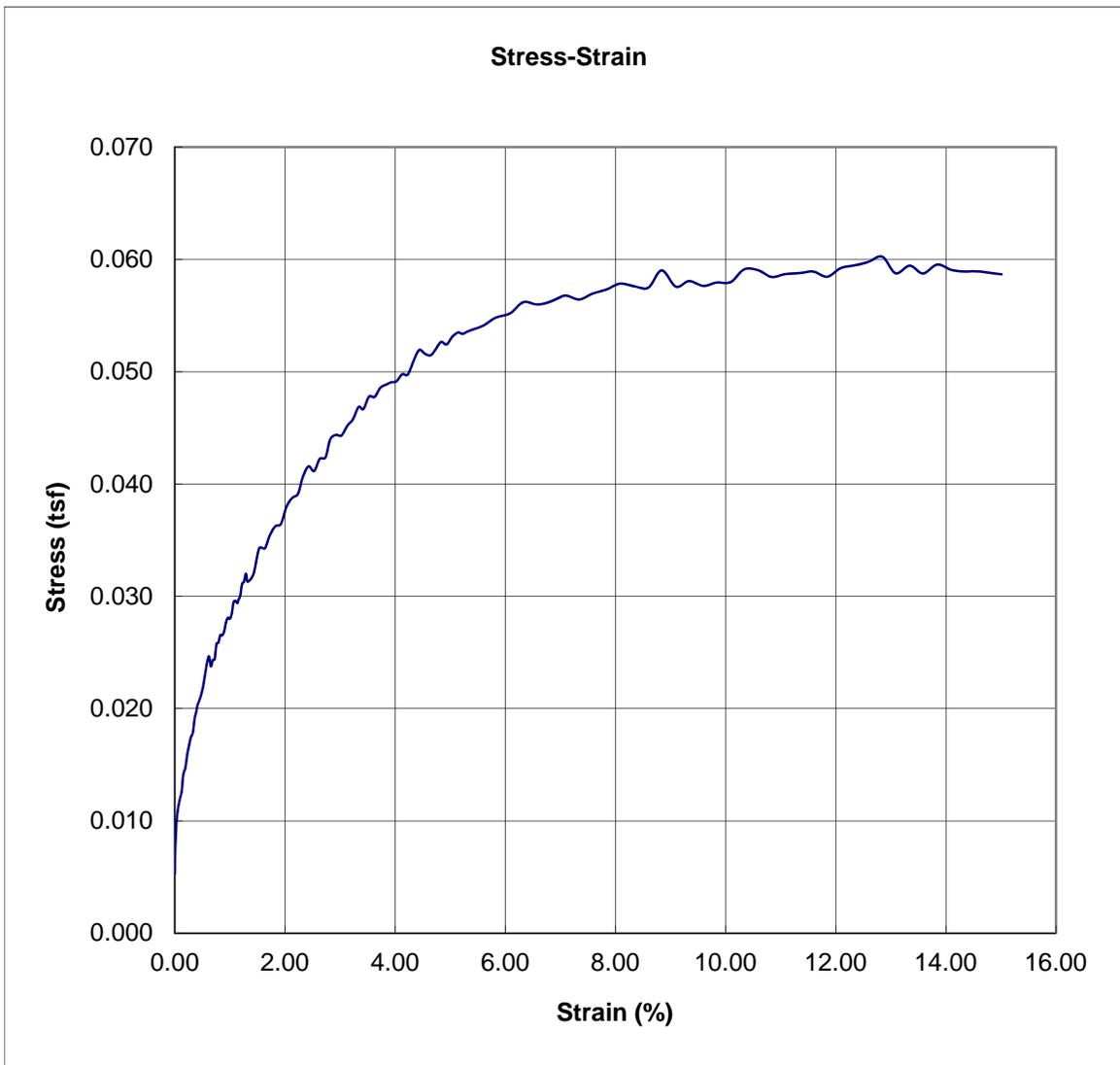


Project: 16715-020-00
Date: 6/15/2011
Boring: 19
Specimen: Specimen1
Diameter (inch): 2.68
Piston Correction (lbs): 1.02858815
Failure: Yield

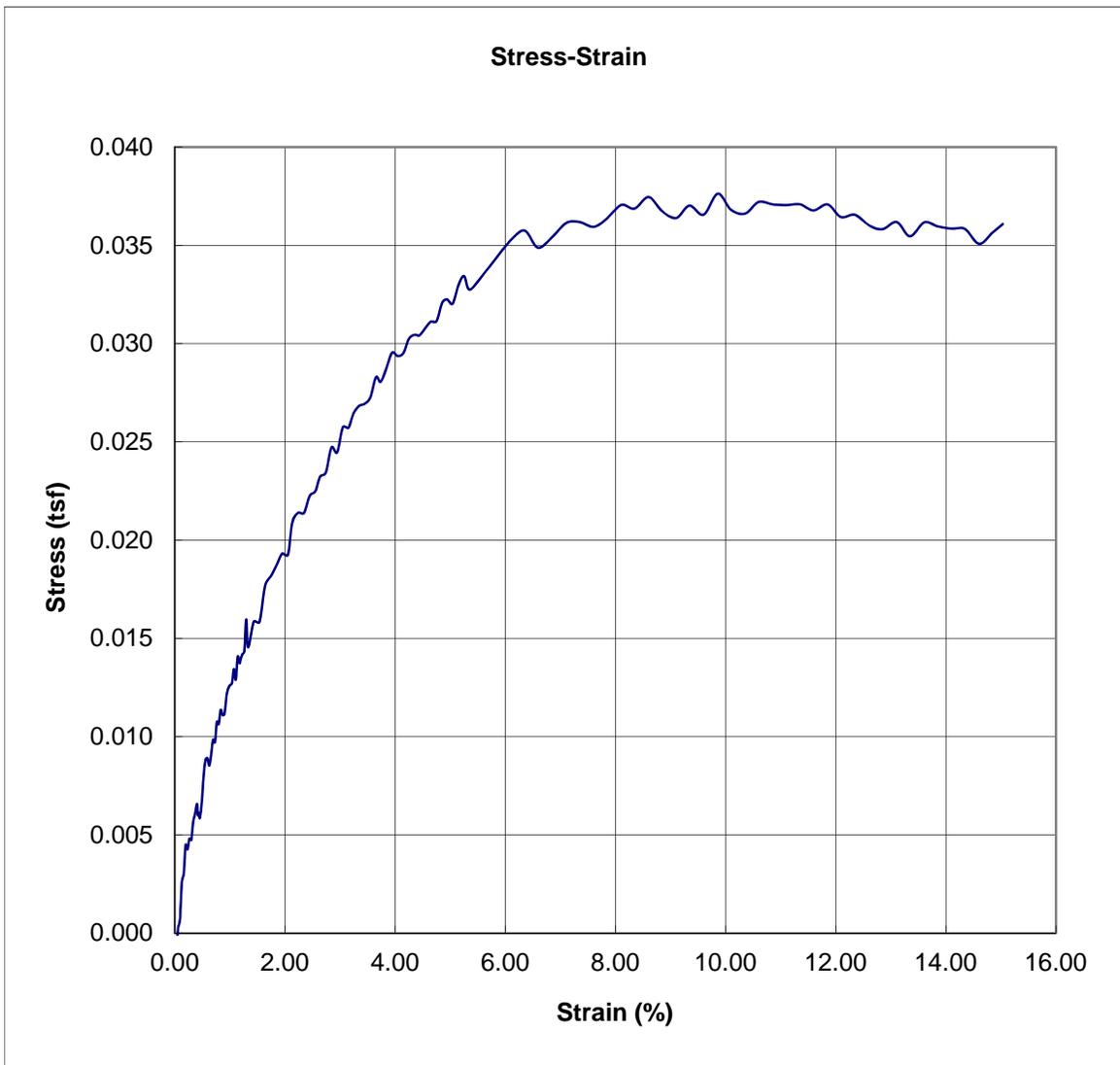
Load Frame Name: Load Frame
Time: 11:18:39 AM
Sample: Sample1
Depth (ft): 18
Height (inch): 5.9
Test Type: UU



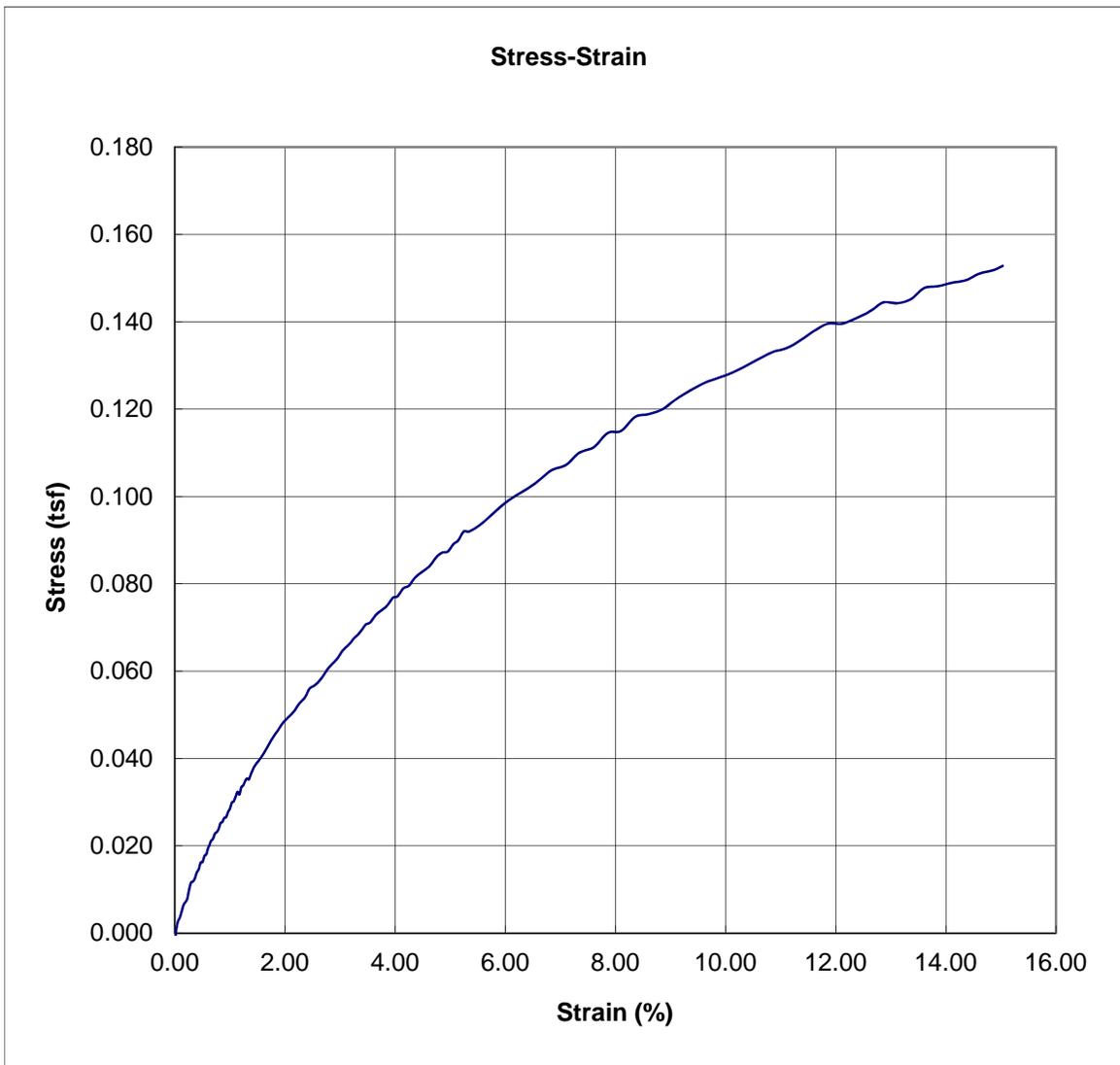
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	10:03:13 AM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	20
Diameter (inch):	2.74	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



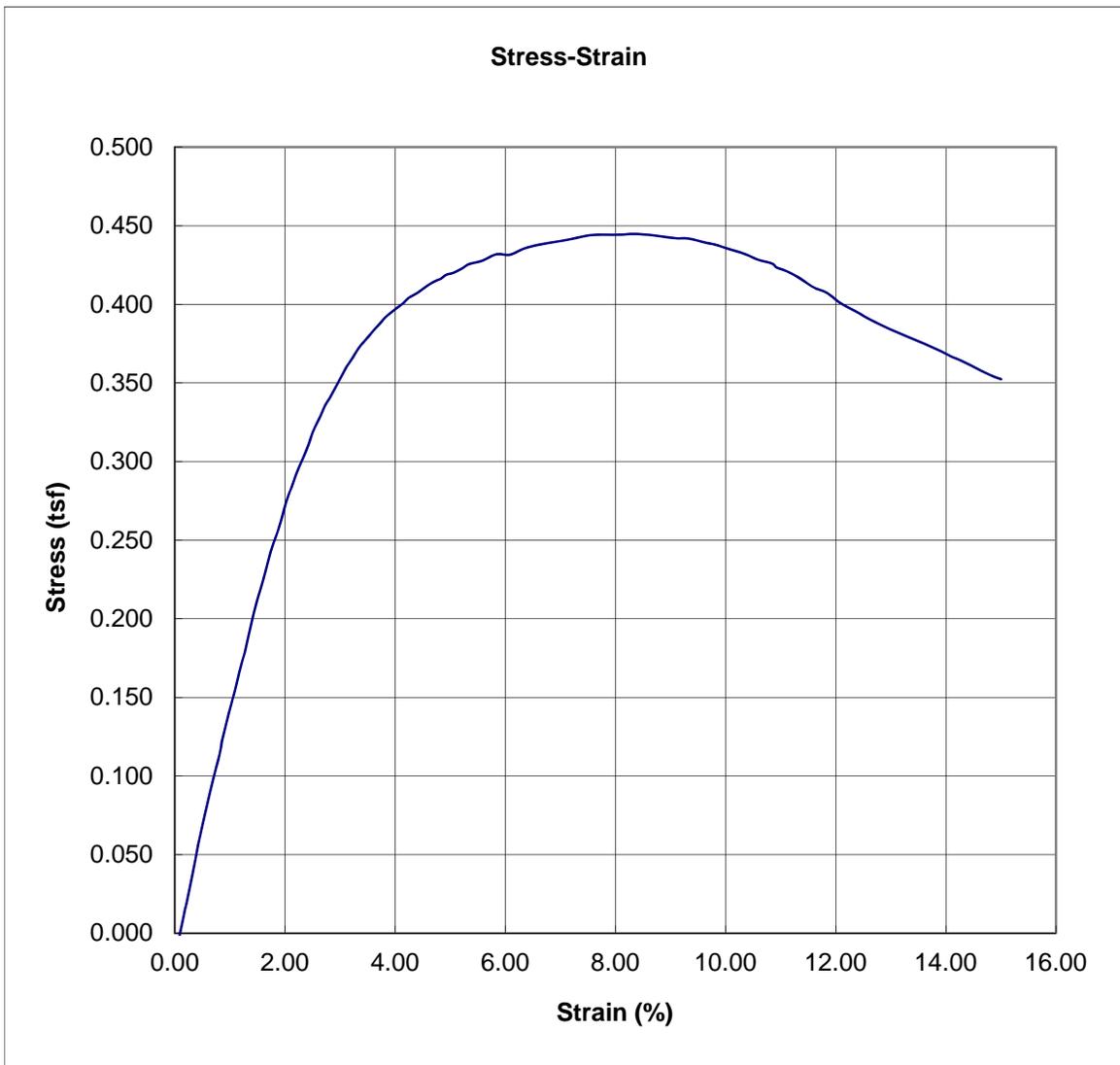
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	10:38:45 AM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	24
Diameter (inch):	2.738	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



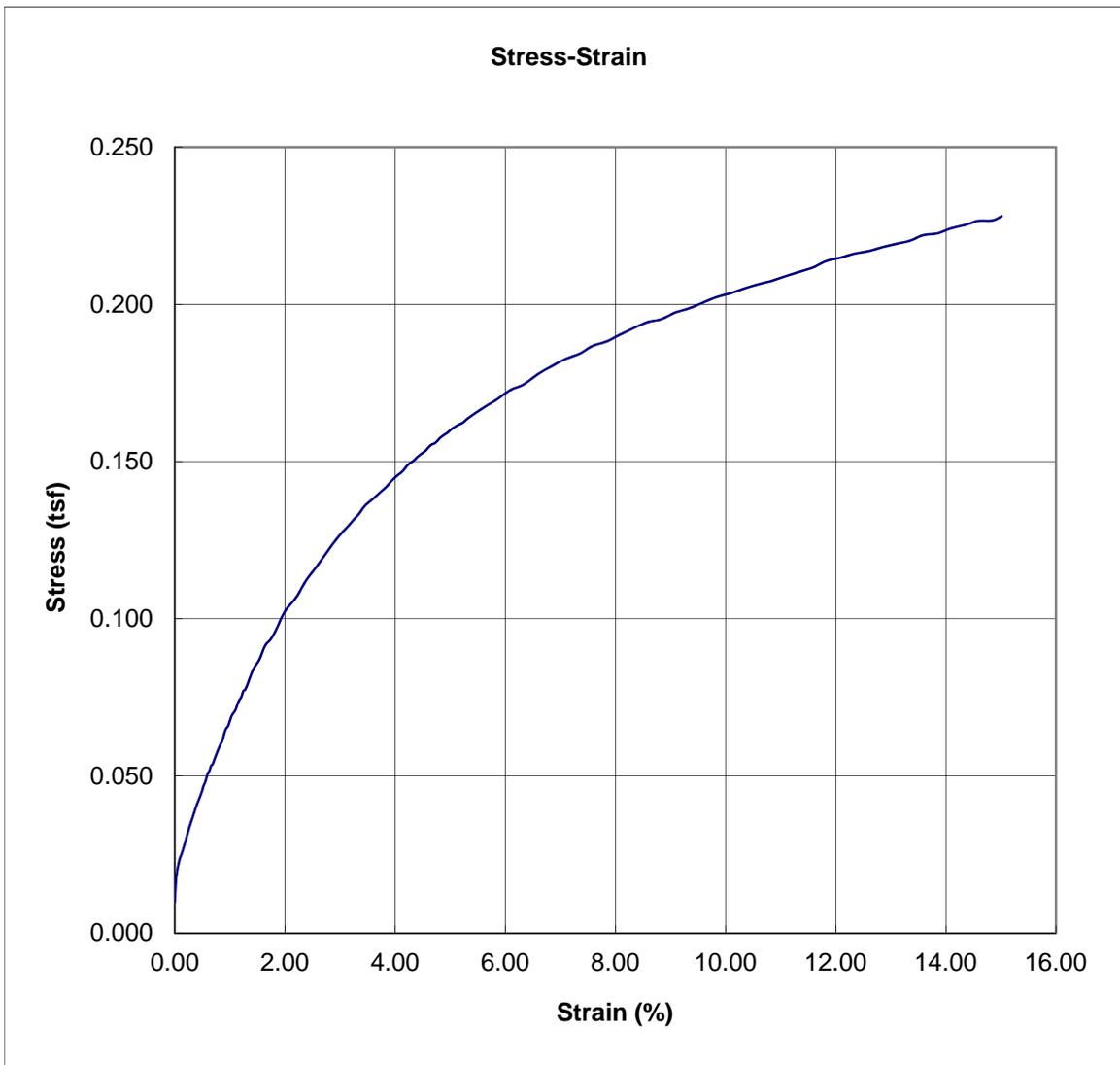
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	11:07:30 AM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	29
Diameter (inch):	2.74	Height (inch):	5
Failure:	Yield	Test Type:	UC



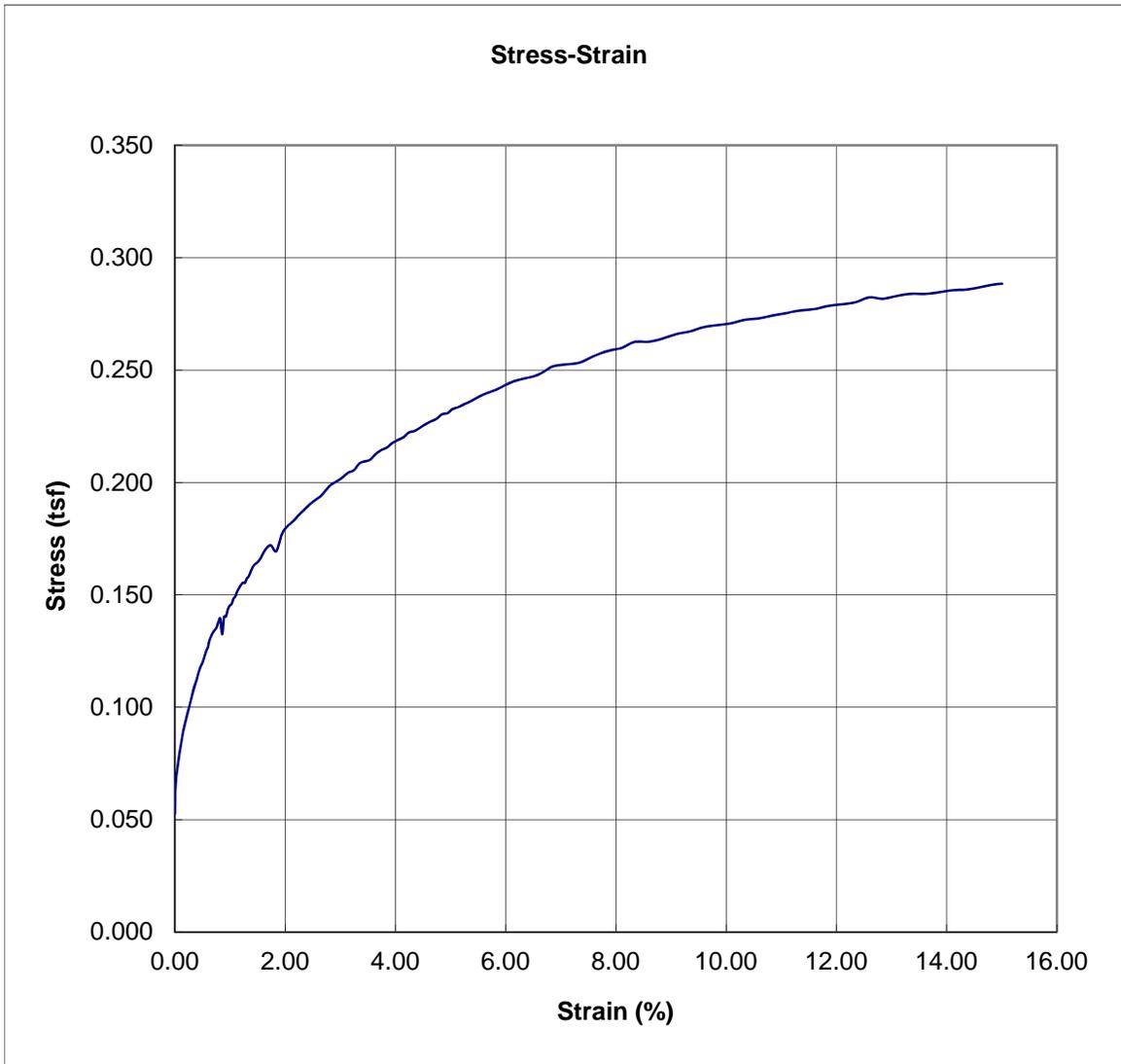
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	1:03:59 PM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	34
Diameter (inch):	2.818	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



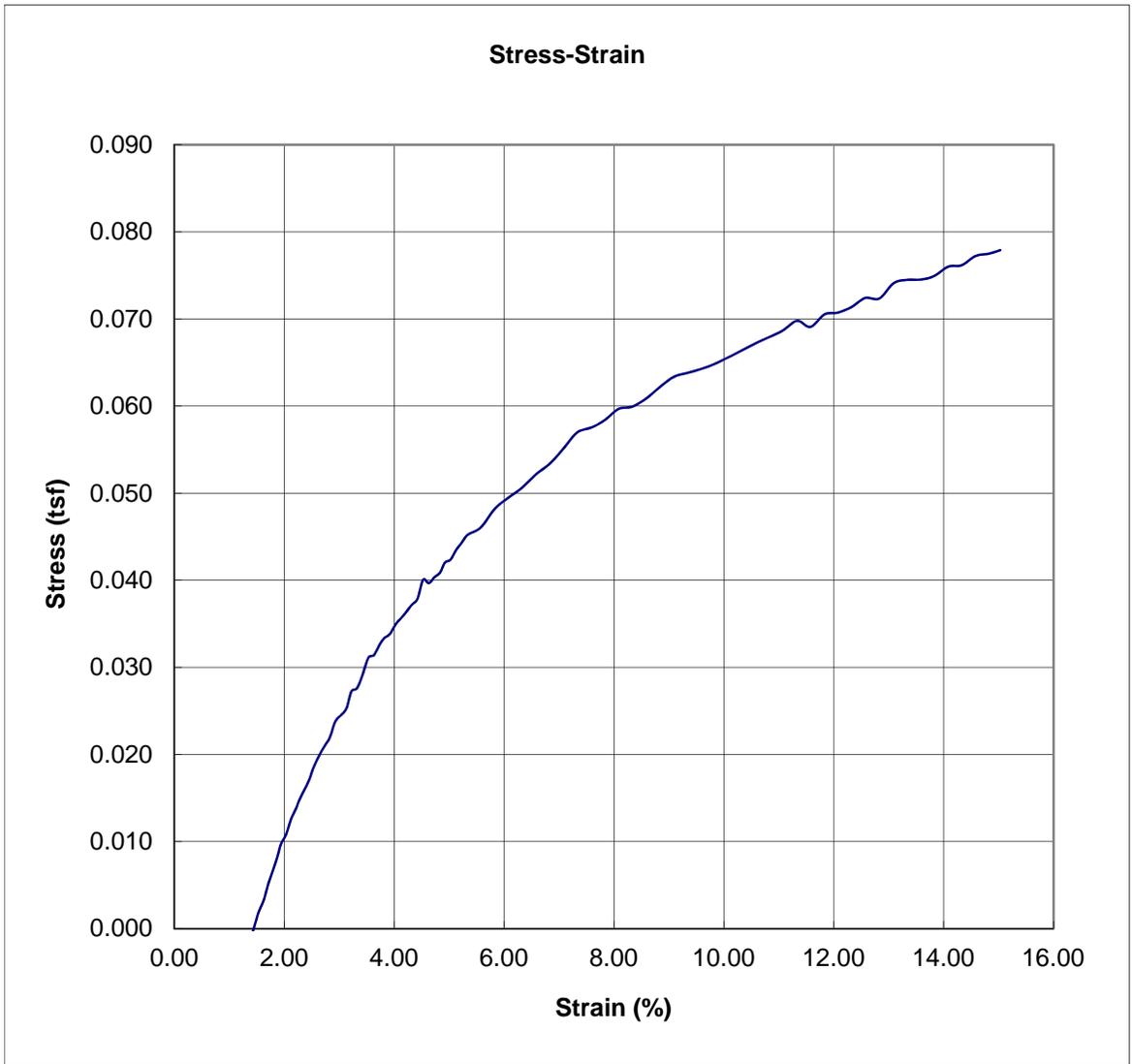
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	1:30:05 PM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	39
Diameter (inch):	2.812	Height (inch):	6
Failure:	Yield	Test Type:	UC



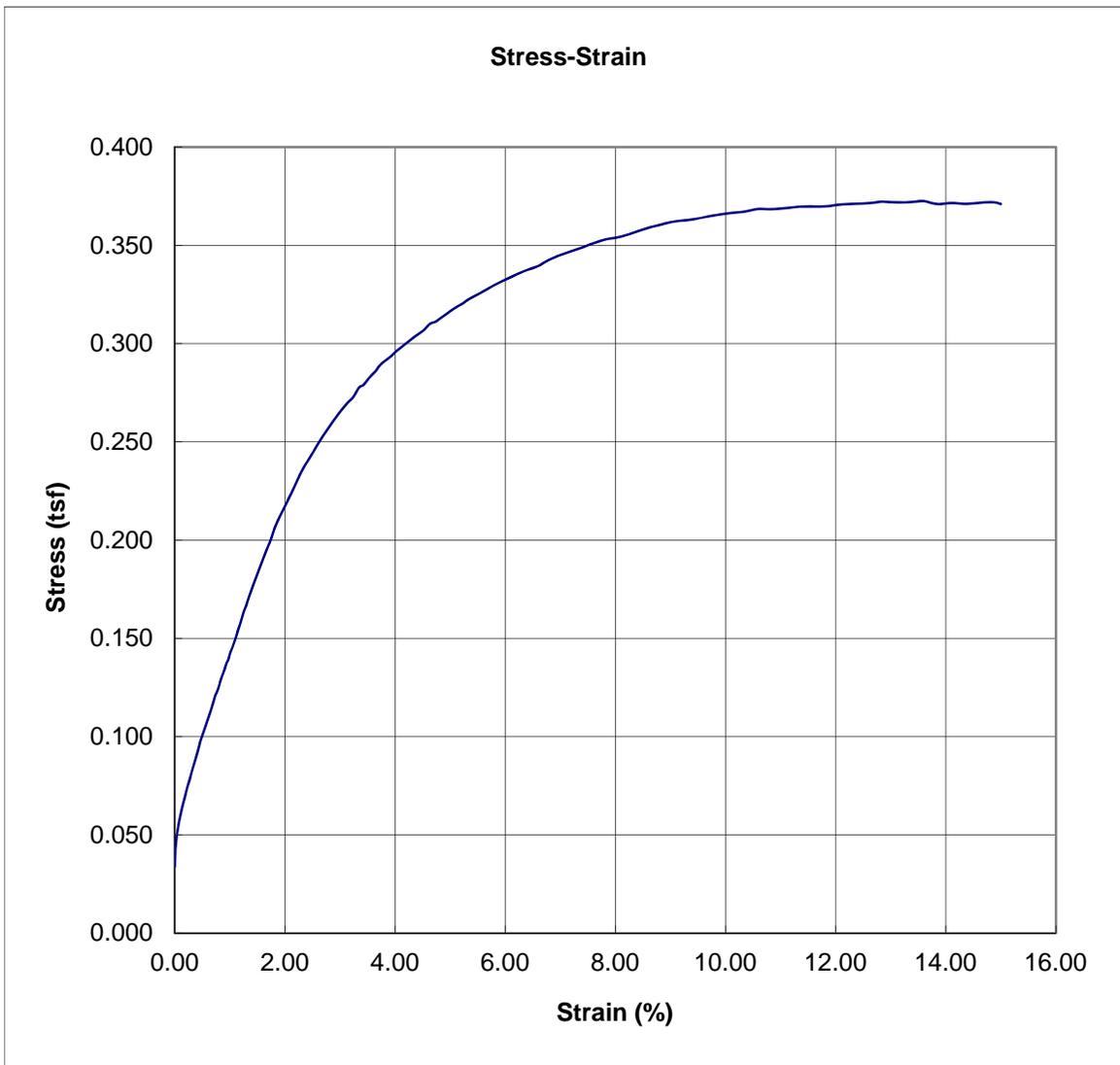
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	2:00:46 PM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	44
Diameter (inch):	2.812	Height (inch):	6
Failure:	Yield	Test Type:	UC



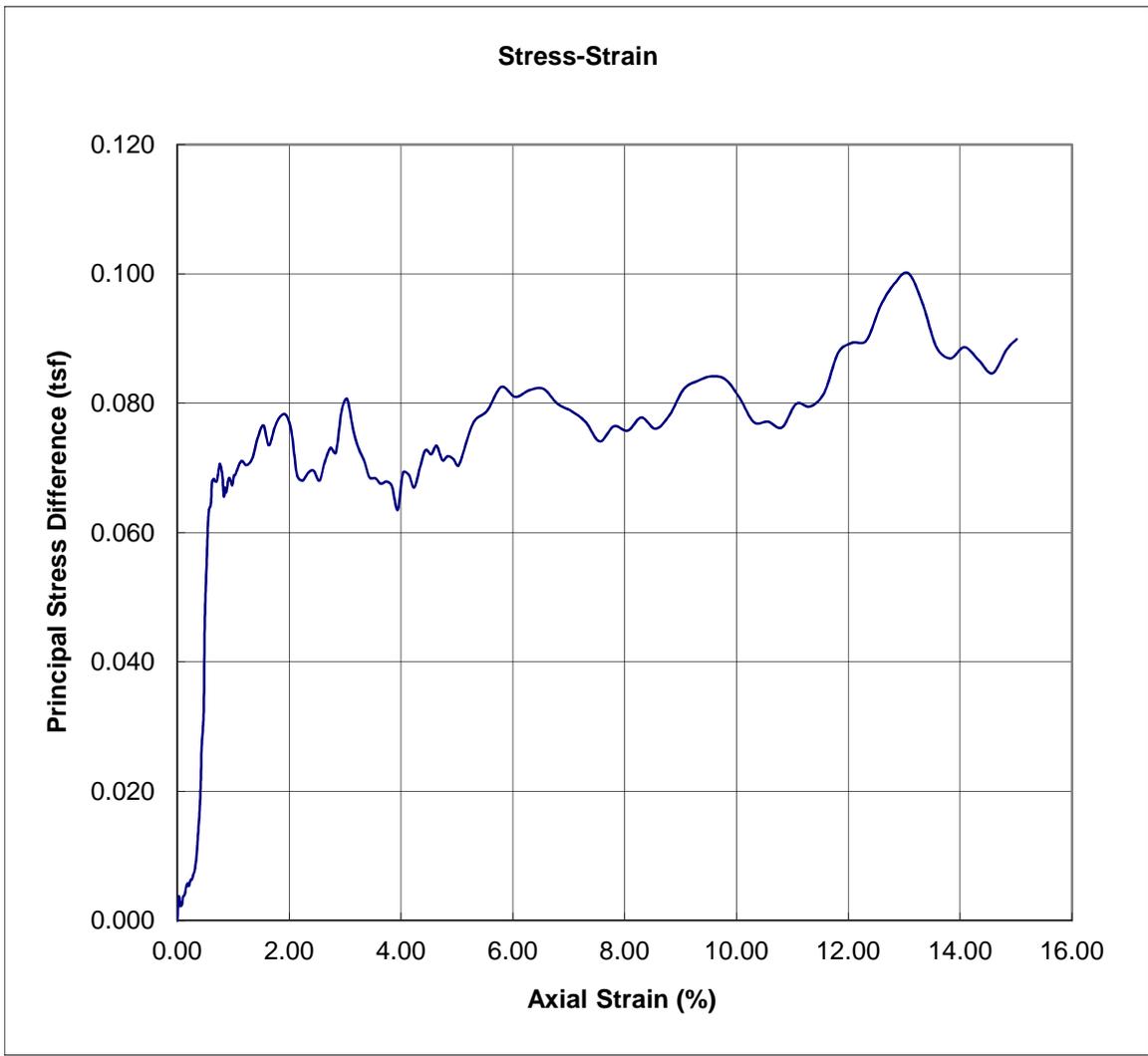
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	2:30:39 PM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	49
Diameter (inch):	2.777	Height (inch):	6
Failure:	Yield	Test Type:	UC



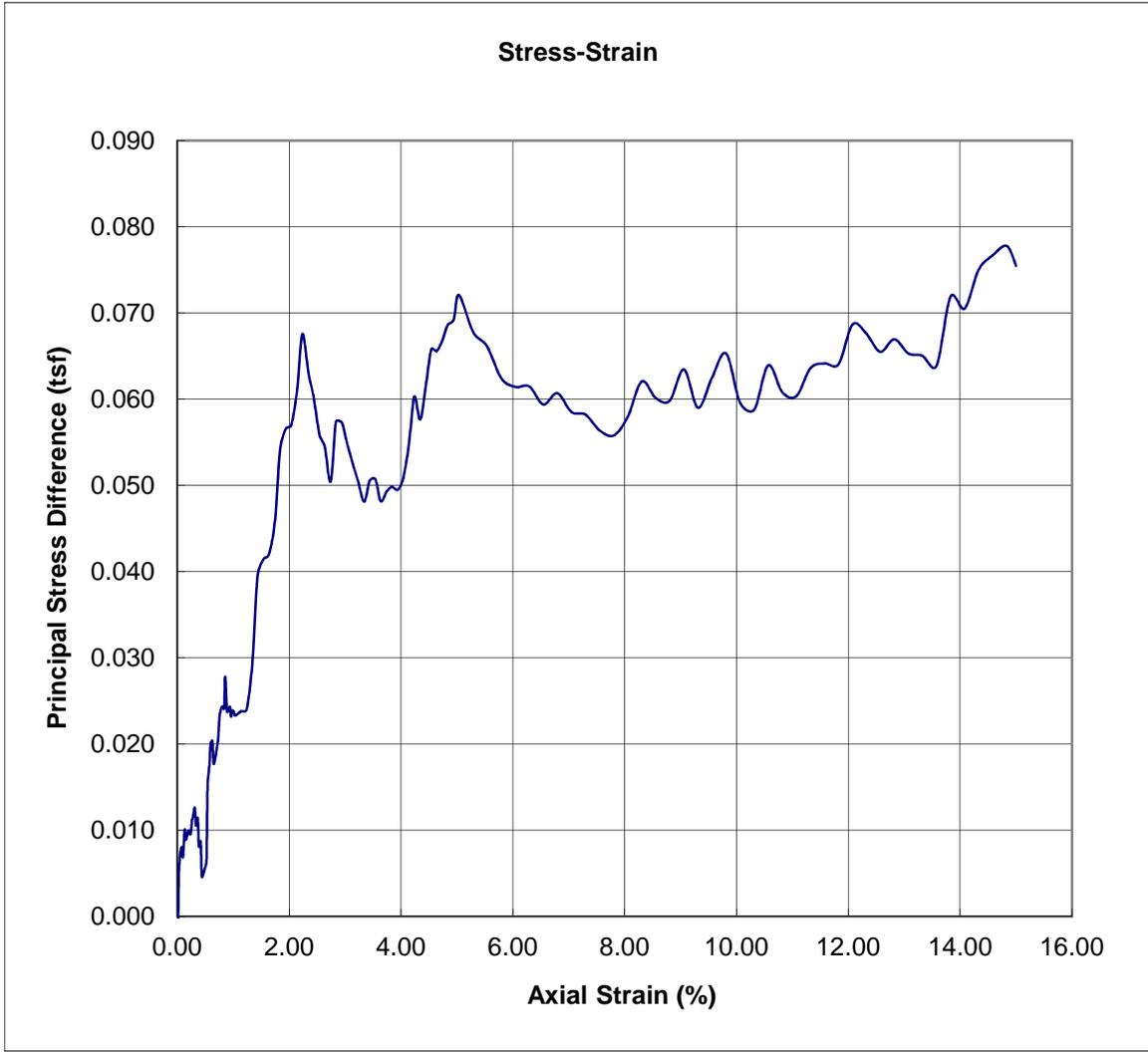
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	2:50:36 PM
Boring:	19	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	54
Diameter (inch):	2.819	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



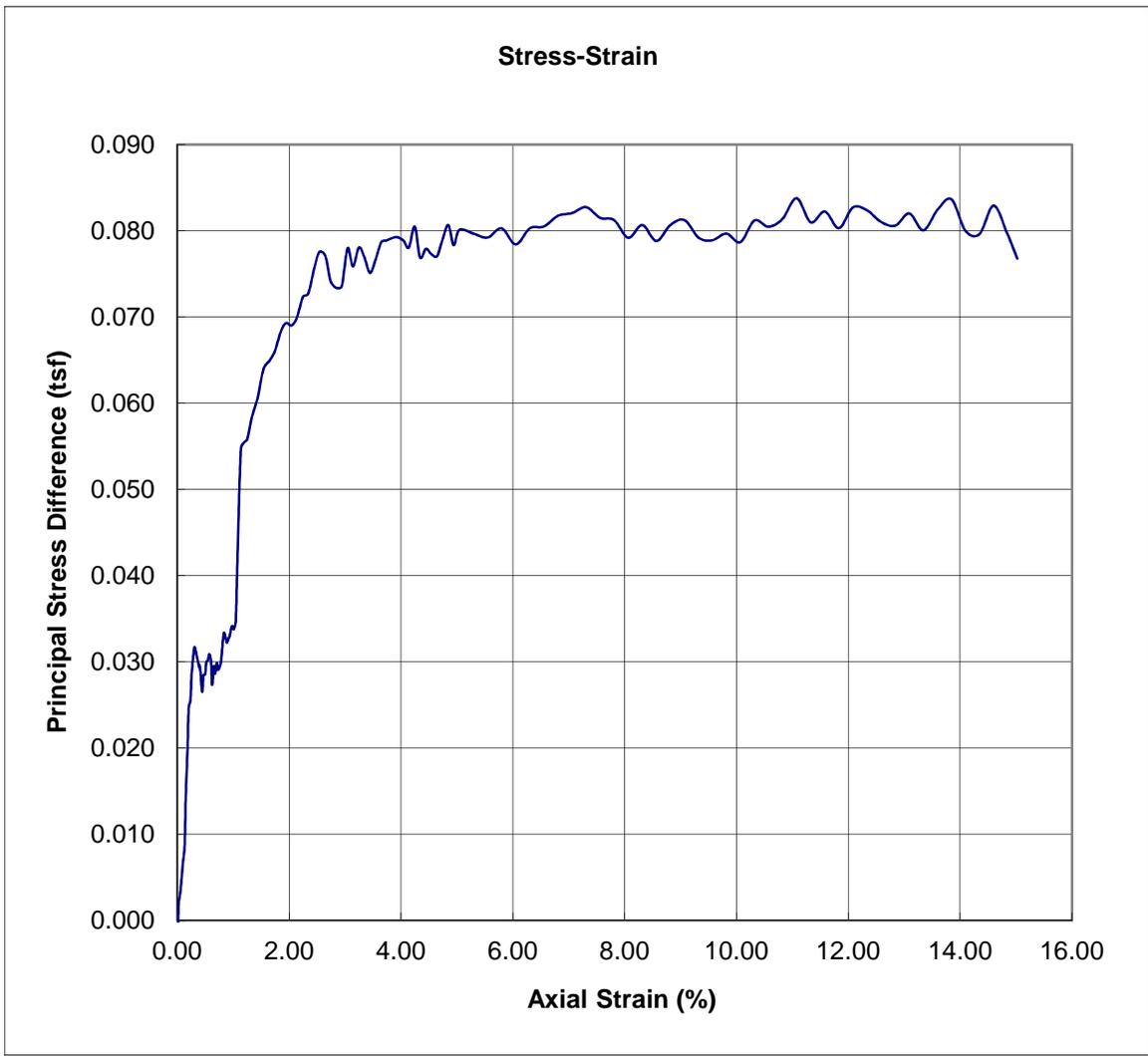
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	3:21:26 PM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	10
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	-2.81E-02	Test Type:	UU
Failure:	Multiple Shear		



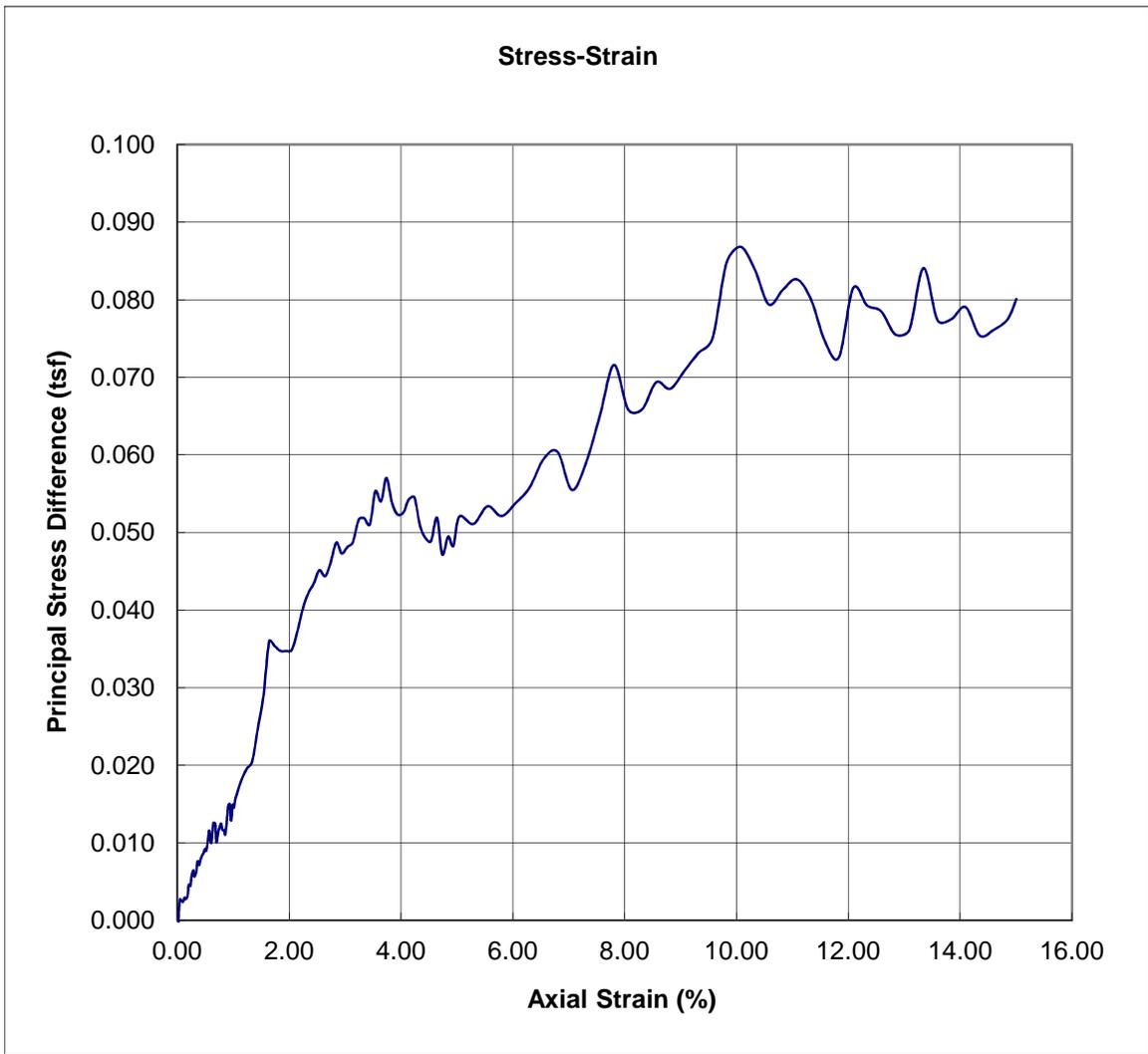
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/14/2011	Time:	4:22:00 PM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	12
Diameter (inch):	2.85	Height (inch):	6
Piston Correction (lbs):	0.221723935	Test Type:	UU
Failure:	Yield		



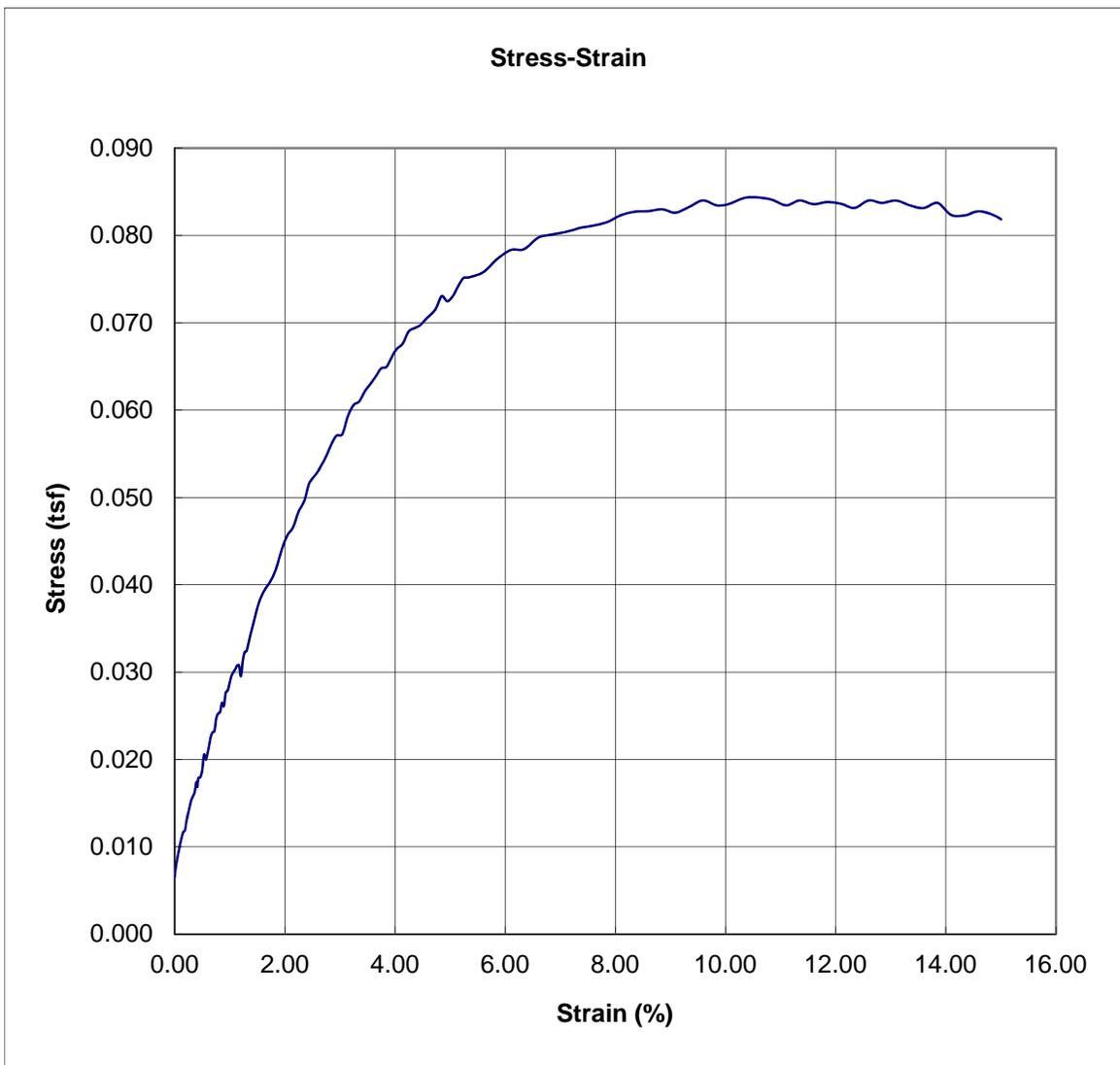
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	9:05:35 AM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	16
Diameter (inch):	2.86	Height (inch):	6
Piston Correction (lbs):	0.549935787	Test Type:	UU
Failure:	Multiple Shear		



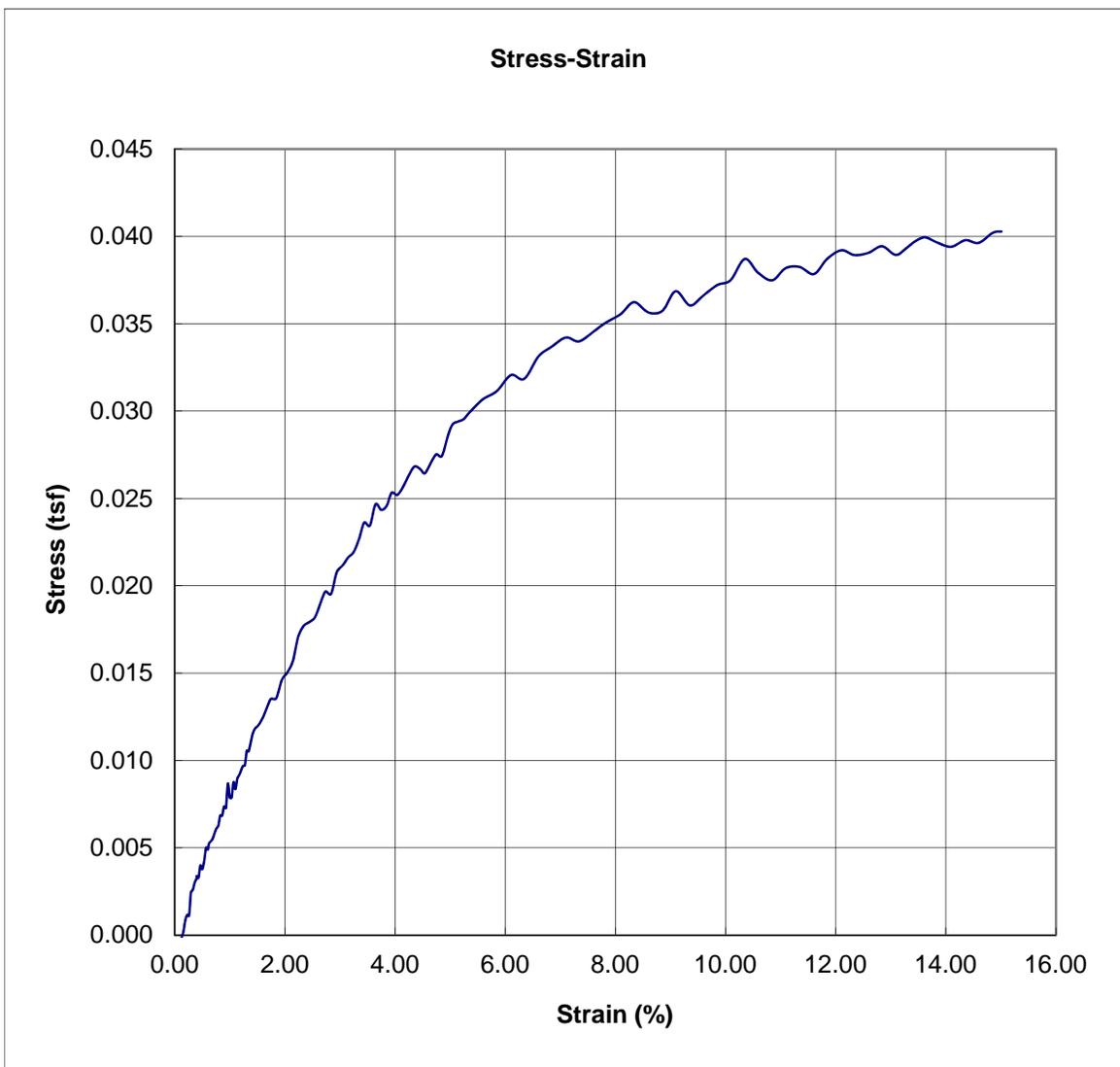
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	10:19:06 AM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	18
Diameter (inch):	2.82	Height (inch):	6
Piston Correction (lbs):	0.702641464	Test Type:	UU
Failure:	Multiple Shear		



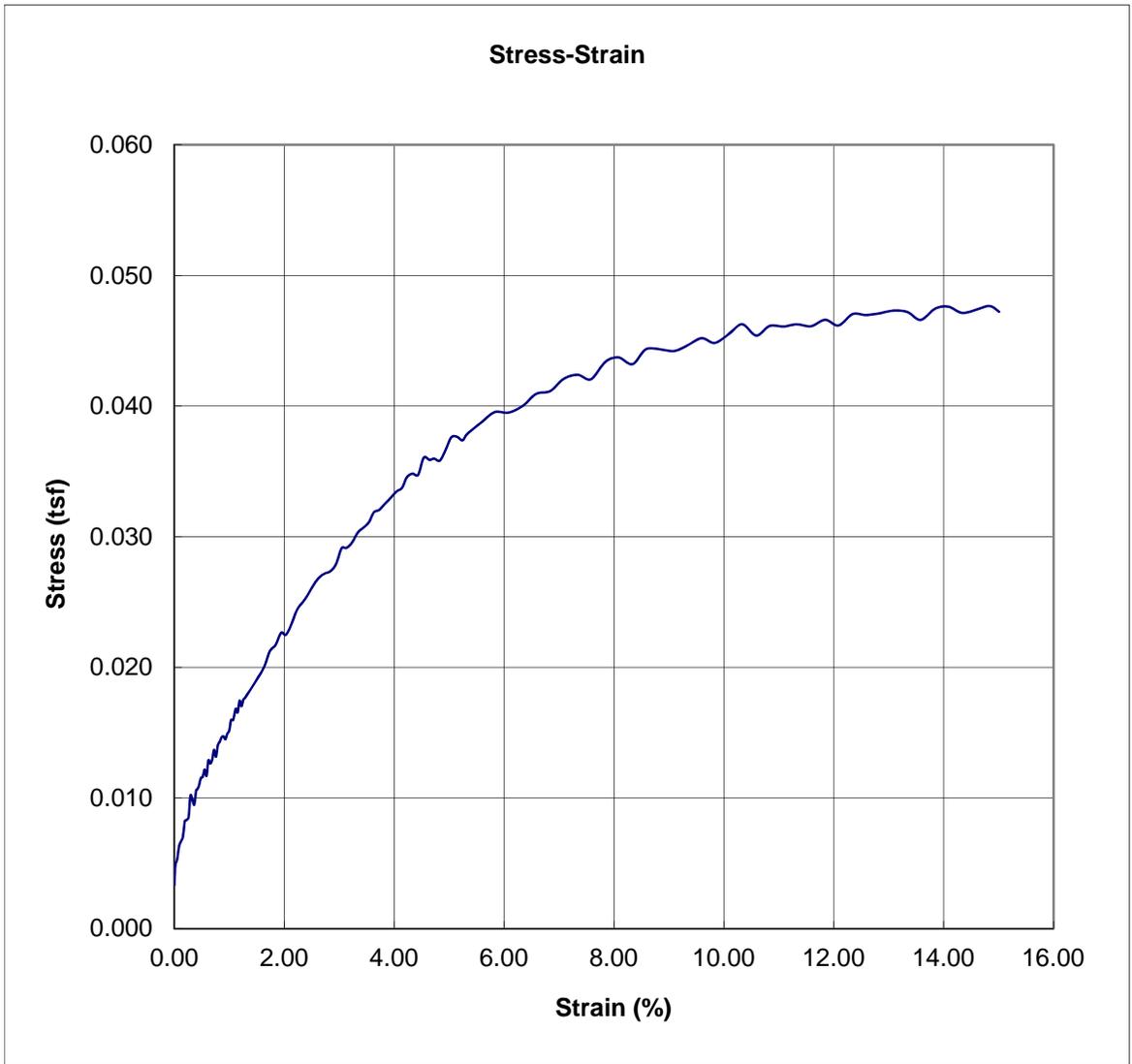
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	1:23:12 PM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	22
Diameter (inch):	2.77	Height (inch):	5.9
Failure:	Multiple Shear	Test Type:	UC



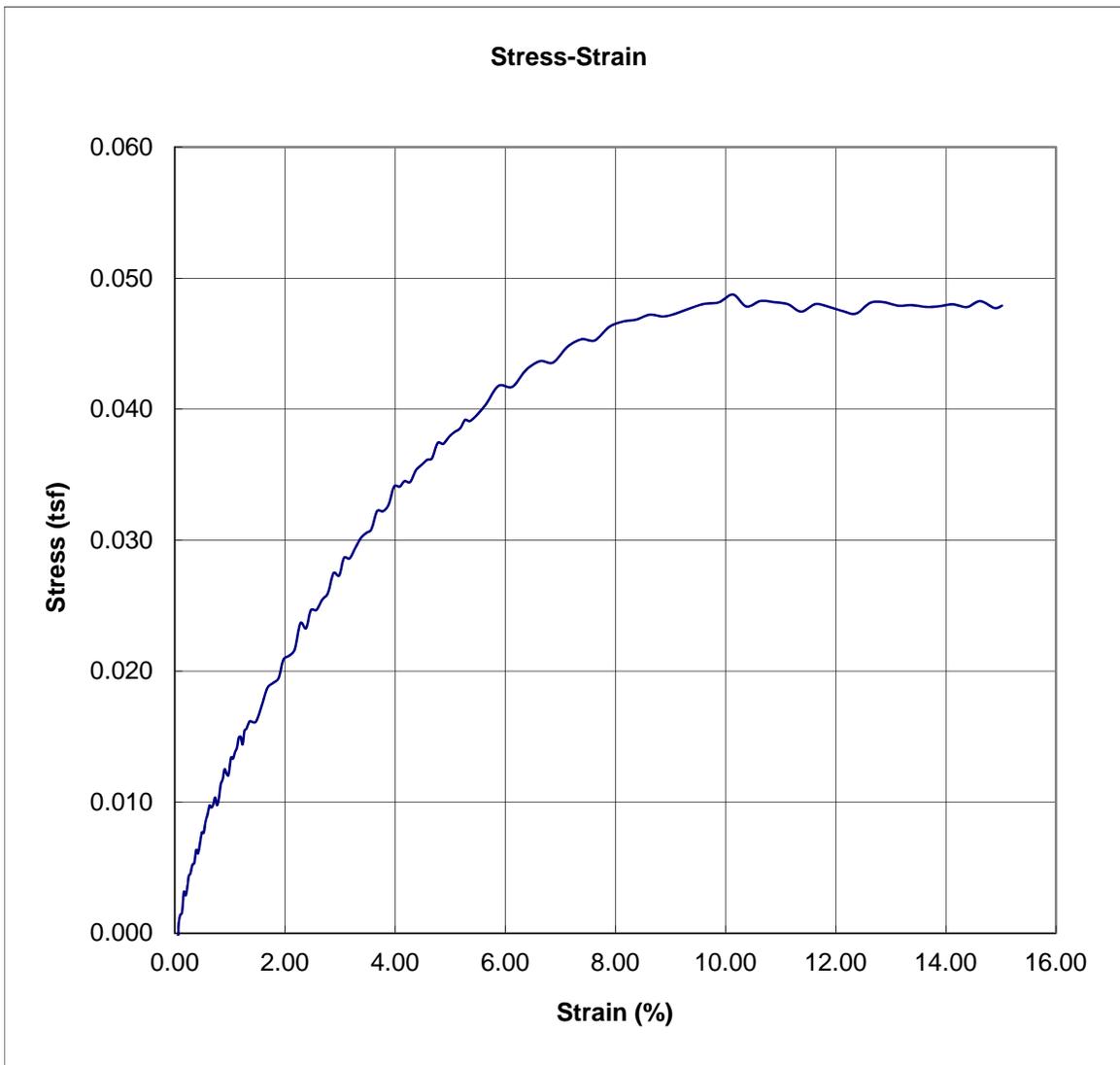
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	1:58:34 PM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	24
Diameter (inch):	2.8	Height (inch):	5.67
Failure:	Yield	Test Type:	UC



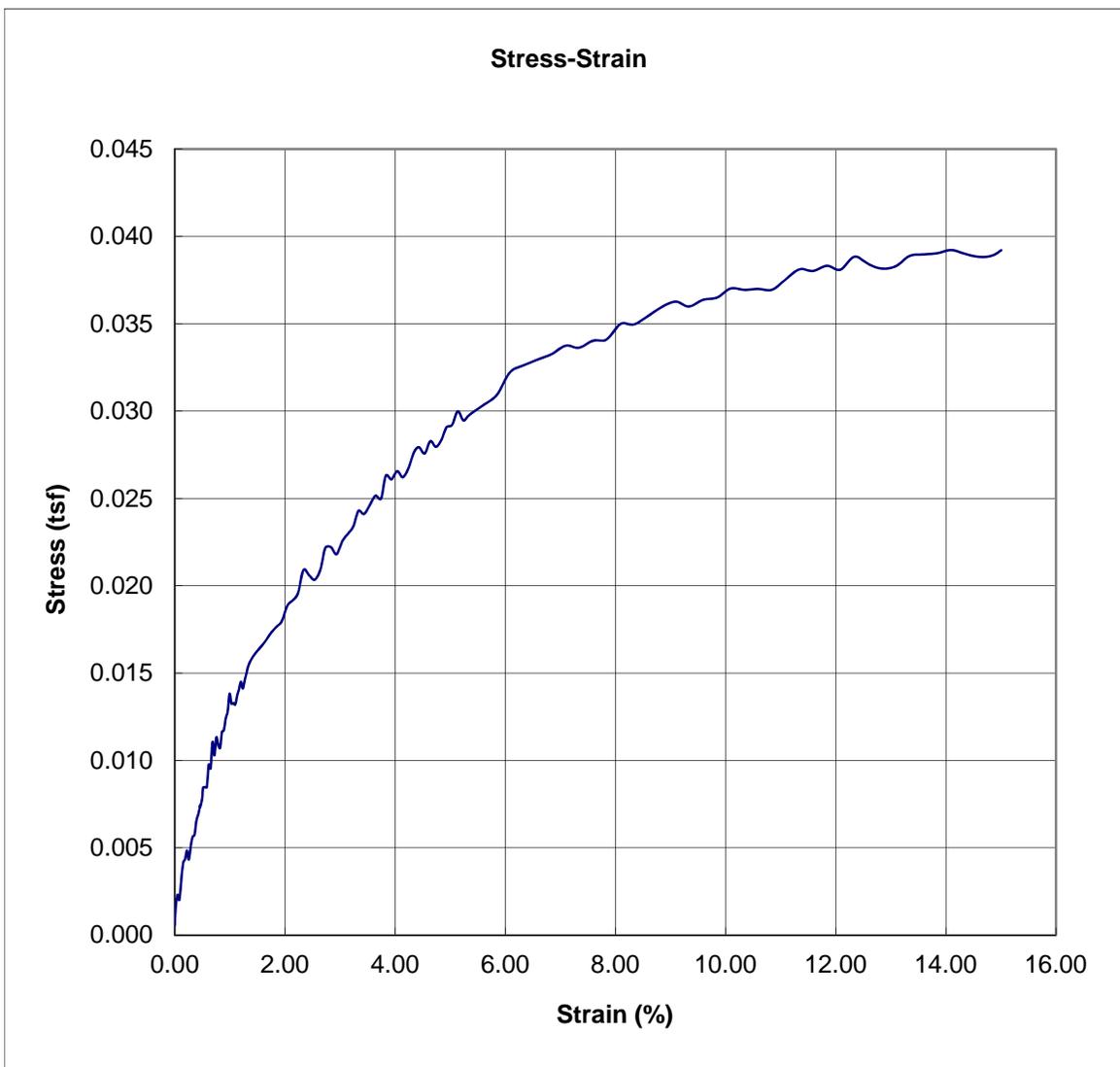
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	2:17:46 PM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	26
Diameter (inch):	2.84	Height (inch):	6
Failure:	Yield	Test Type:	UC



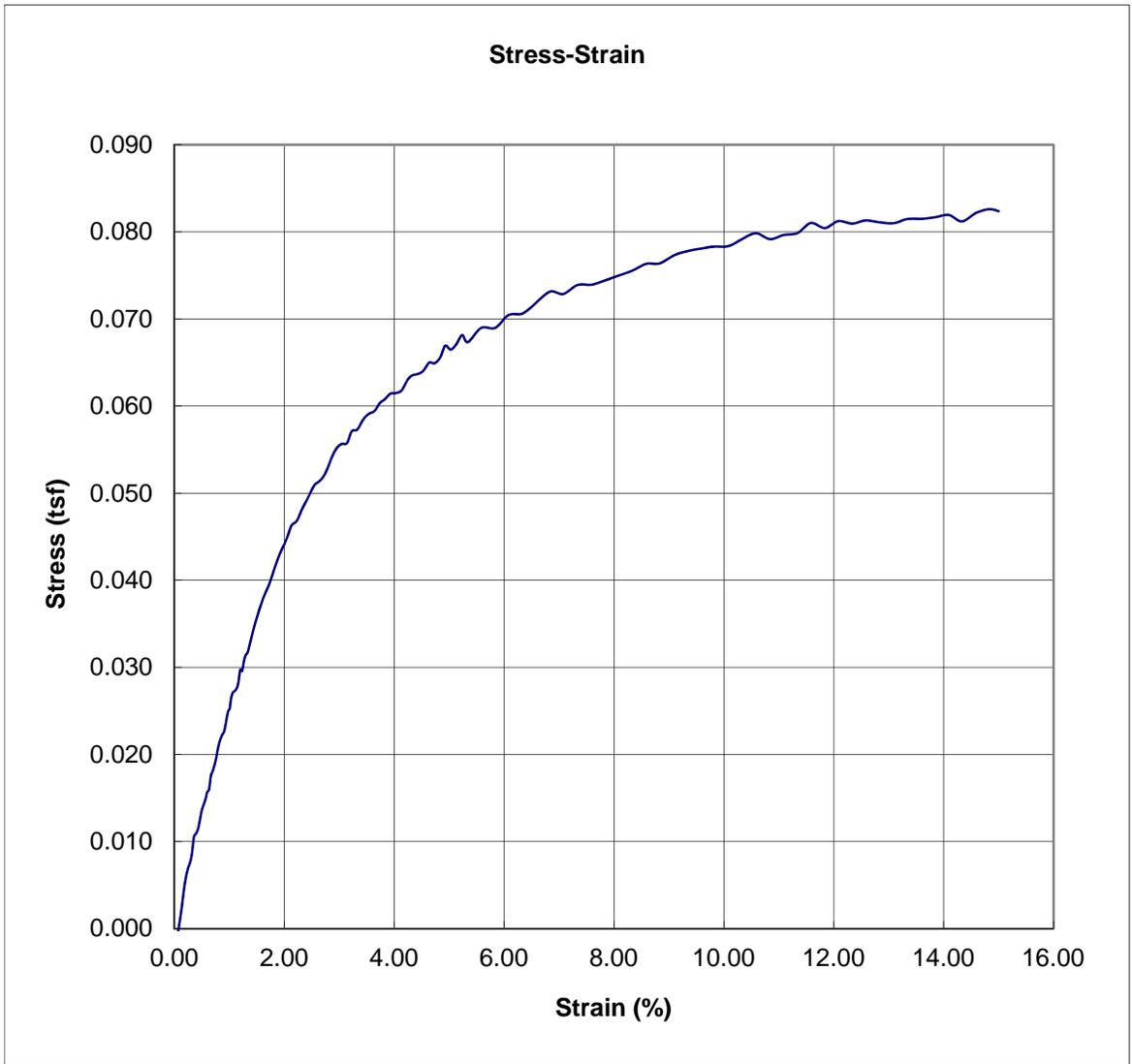
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	2:36:34 PM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	28
Diameter (inch):	2.87	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



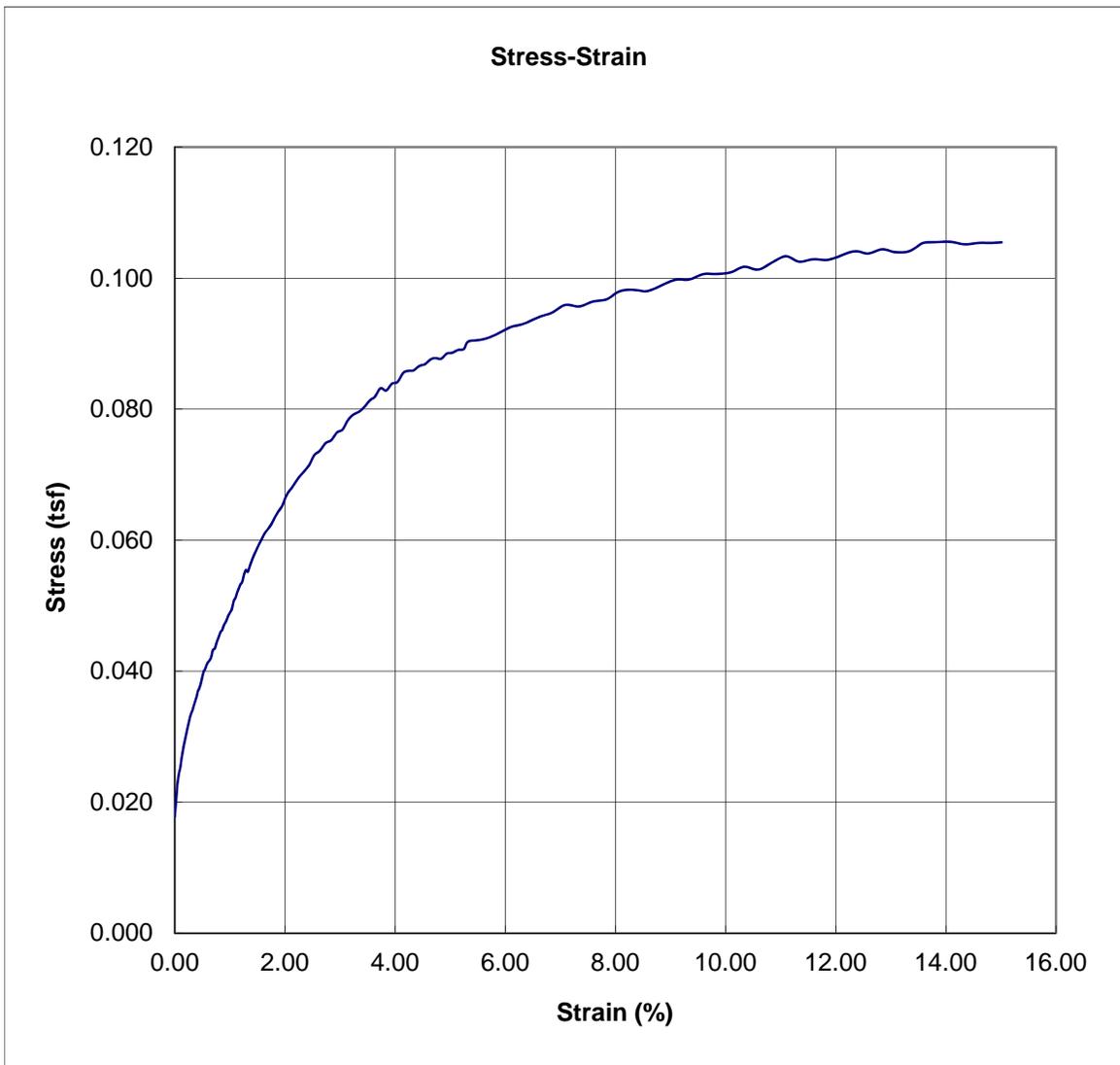
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	3:06:39 PM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	33
Diameter (inch):	2.86	Height (inch):	6
Failure:	Multiple Shear	Test Type:	UC



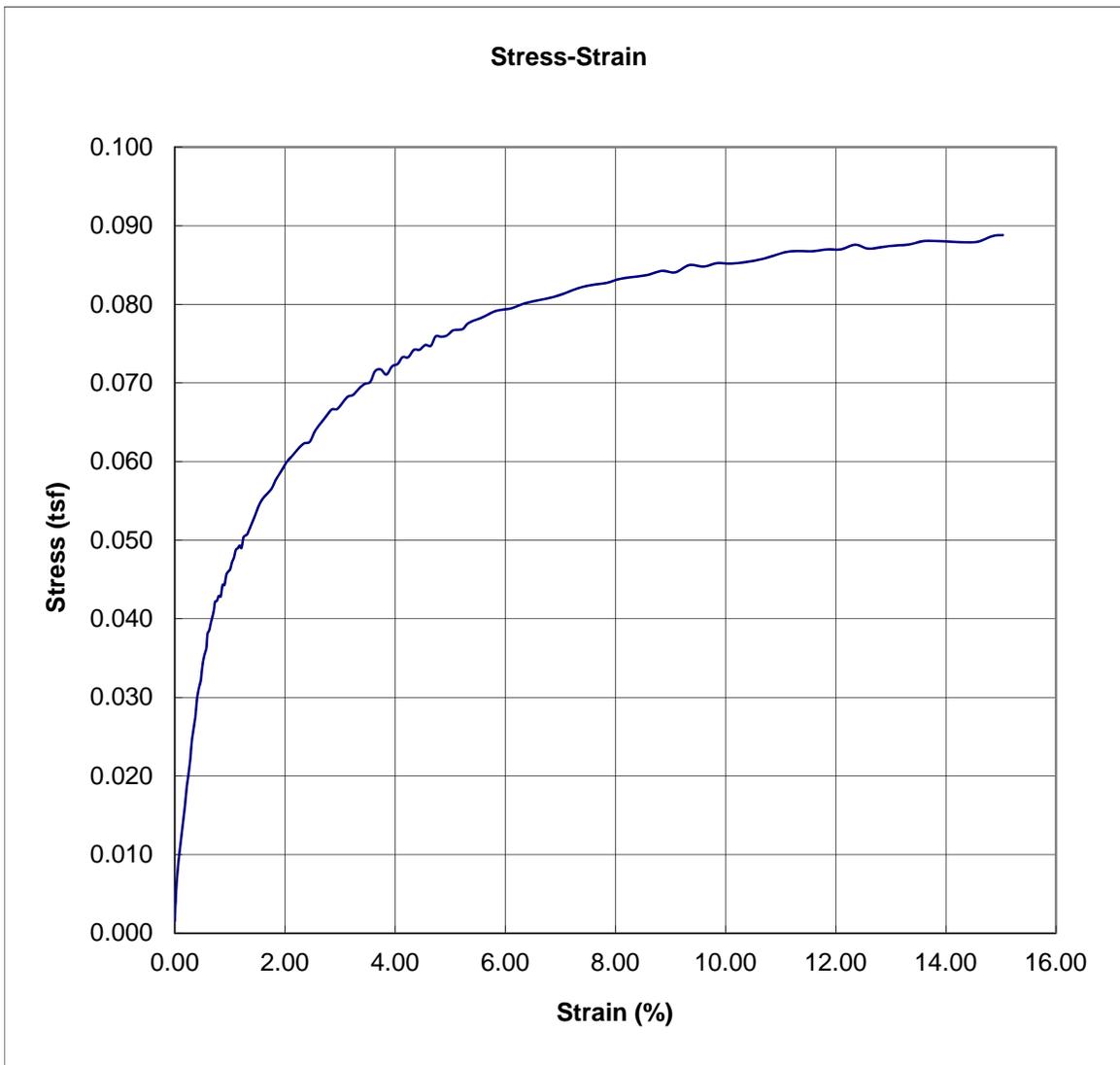
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	3:31:00 PM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	38
Diameter (inch):	2.83	Height (inch):	5.9
Failure:	Yield	Test Type:	UC



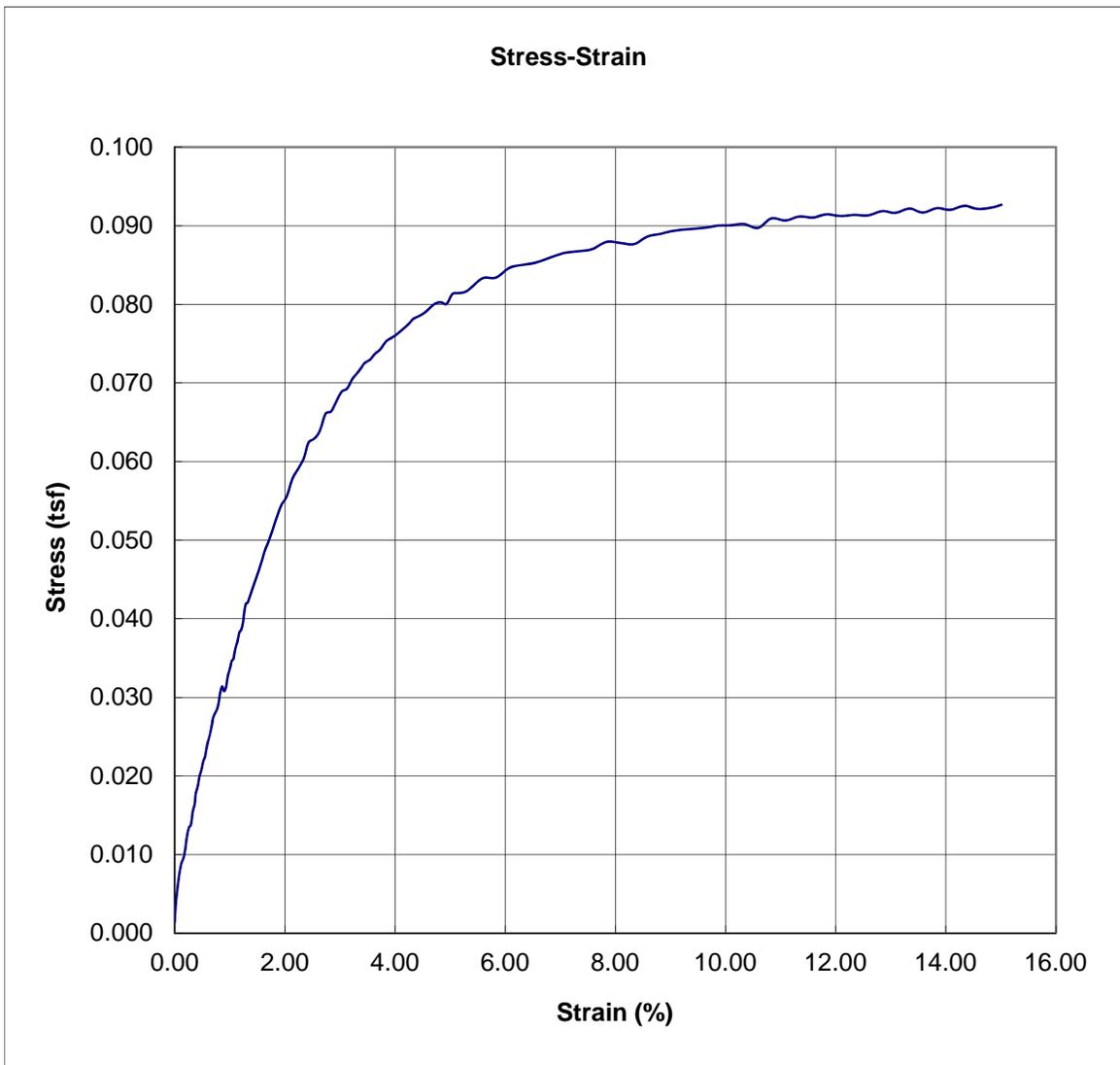
Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/15/2011	Time:	4:16:49 PM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	43
Diameter (inch):	2.84	Height (inch):	5.87
Failure:	Multiple Shear	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/16/2011	Time:	8:20:14 AM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	48
Diameter (inch):	2.83	Height (inch):	5.9
Failure:	Yield	Test Type:	UC



Project:	16715-020-00	Load Frame Name:	Load Frame
Date:	6/16/2011	Time:	8:38:29 AM
Boring:	20	Sample:	Sample1
Specimen:	Specimen1	Depth (ft):	53
Diameter (inch):	2.85	Height (inch):	6
Failure:	Yield	Test Type:	UC



**Sediment Geotechnical Properties for the Lost Lake Marsh Creation and Hydrologic
Restoration Project**

FINAL REPORT

Submitted to:

Venu Tammineni, P.E. and Charles L. Eustis, P.E.

GeoEngineers, Inc.

11955 Lakeland Park Blvd., Suite 100

Baton Rouge, LA 70809

Phone: (225) 293-2460

Fax: (225) 293-2463

Email: vtammineni@geoengineers.com

ceustis@geoengineers.com

Submitted by:

Guoping (Gregg) Zhang, Ph.D., P.E.

Assistant Professor

Department of Civil & Environmental Engineering

Louisiana State University

Baton Rouge, LA 70803

Phone: (225) 578-6047

Fax: (225) 578-8652

Email: gzhang@lsu.edu

June 30, 2011

INTRODUCTION

This report presents the results of laboratory testing conducted at the Louisiana State University to determine the index and self-weight consolidation properties of the hydraulic fill material to be used for the Lost Lake Marsh Creation and Hydrologic Restoration Project. These tests were conducted on three composite samples that were homogenized from tube samples taken from different borings (Table 1).

Table 1. Three composite samples mixed from tube samples of different borings.

Composite sample ID	Boring for the sample
CS1	B-6
CS2	B-8
CS3	B-9

EXPERIMENTS

Three buckets of composite soil samples were provided by GeoEngineers, Inc. for laboratory testing. Sufficient mixing was performed first within each bucket before samples were used for subsequent laboratory testing. Basic index properties, including specific gravity, Atterberg limits, and particle size distribution (including both sieving test and hydrometer test) were first determined on each of the composite samples by following the relevant ASTM standard methods.

Three self-weight consolidation tests were also performed on the three composite samples (CS1 to CS3), respectively. These consolidation tests followed the methods specified in the US Army Corps of Engineers Manual No. 1110-2-5027 (USACE, 1987) and the University of Texas Method (Pedersen, 2001). A low pressure loading system was employed to perform the tests. The homogenized composite samples were further diluted to a consistency of (1.0-1.5) times the liquid limit ($1.0-1.5 \times w_L$) of the composite samples to make sure the samples are reconstituted to a slurry consistency allowing free flow under gravity, which eases . One-dimensional incremental loading method was used for the consolidation, with stresses ranging from 10 to 400 psf. Both the Casagrande (or Log time) and the Taylor (or Root time) methods were employed to analyze the results to determine the coefficient of consolidation, c_v .

RESULTS

Table 2 summarizes the specific gravity and Atterberg limits of the three composite samples.

Figure 1 shows the particle size distribution curves for the three composite samples.

Tables 3, 4, and 5 summarize the three self-weight consolidation test results for the three composite samples, respectively.

Figures 2, 3, and 4 present the self-weight consolidation curves of the three composite samples, respectively.

Figures 5, 6, and 7 present the relationship between the coefficient of consolidation and vertical effective stress and the relationship between void ratio and coefficient of permeability for the three composite samples, respectively.

REFERENCES

- American Society for Testing and Materials (ASTM) (2006). Annual Book of ASTM Standards, Vol. 04.08.
- Pedersen, R.C. (2001). Model Offshore Soil Deposit: Design, Preparation, and Characterization. M.S. Thesis, University of Texas at Austin.
- US Army Corps of Engineers (USACE) (1987). Engineering and Design – Confined Disposal of Dredged Material, Engineering Manual No. 1110-2-5027.

Table 2. Summary of index properties of the three composite samples.

Sample ID	Specific gravity G_s	Liquid limit w_L (%)	Plastic limit w_P (%)	Plasticity index I_P (%)
CS1	2.70	92.0	28.7	63.3
CS2	2.71	74.0	27.8	46.2
CS3	2.72	114.0	34.0	80.0

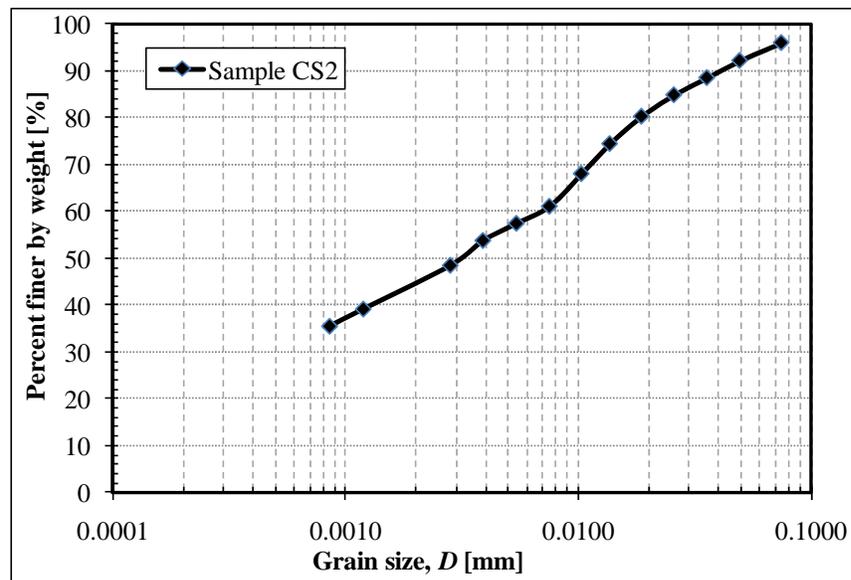
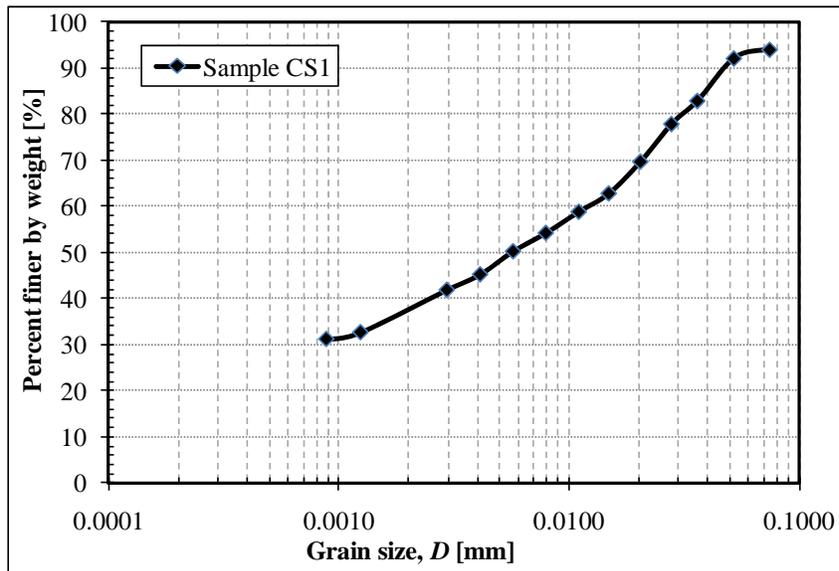


Figure 1. Particle size distribution curves for the three composite samples (to be continued).

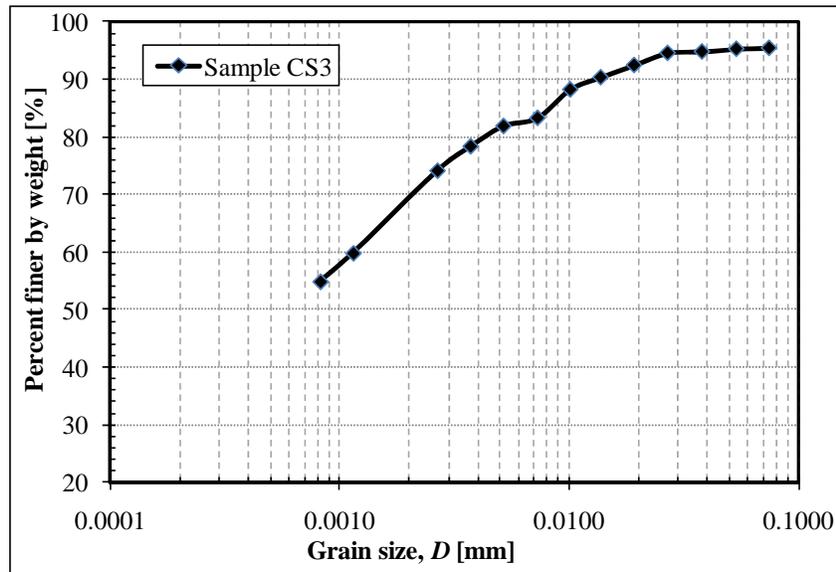


Figure 1. Particle size distribution curves for the three composite samples (continued).

Table 3. Self weight consolidation test results for the composite sample CS1.

σ'_v	d_{100}	ε_{100}	Δe_{100}	t_{50}	t_{90}	$c_v(\log(t))$	$c_v(\text{sqrt}(t))$
[psf]	[in]			[min]	[min]	[ft ² /min]	[ft ² /min]
10							
25	0.142	0.142	0.75771	180	484	1.63103E-06	2.6111E-06
50	0.206	0.206	1.09922	80	289	2.87813E-06	3.4295E-06
100	0.273	0.273	1.45673	80	225	2.44988E-06	3.7496E-06
200	0.334	0.334	1.78222	50	196	3.28978E-06	3.6125E-06
400	0.397	0.397	2.11839	39	121	3.48065E-06	4.8291E-06

e_0	H_f	H_i	H_d	e_{100}	c_c	$c_{\alpha\varepsilon}$	$c_{\alpha e}$	σ'_a	γ_w	k	k
	[in]	[in]	[in]					[psf]	[pcf]	[ft/min]	[ft/day]
4.336	1	1			1.131				62.4		
	0.853	1	0.46325	3.57829		0.012	0.06403	17.5		5.35E-07	0.00077
	0.788	0.853	0.41025	3.23678		0.011	0.0587	37.5		4.41E-07	0.000634
	0.726	0.788	0.3785	2.87927		0.005	0.02668	75		1.88E-07	0.00027
	0.661	0.726	0.34675	2.55378		0.006	0.03202	150		1.26E-07	0.000181
	0.599	0.661	0.315	2.21761		0.005	0.02668	300		6.66E-08	9.59E-05

Table 4. Self weight consolidation test results for the composite sample CS2.

σ'_v	d_{100}	ε_{100}	Δe_{100}	t_{50}	t_{90}	$c_v (\log(t))$	$c_v (\text{sqrt}(t))$
[psf]	[in]			[min]	[min]	[ft ² /min]	[ft ² /min]
10							
25	0.188	0.188	0.87307	160	441	1.74687E-06	2.7282E-06
50	0.238	0.238	1.10527	64	225	3.2847E-06	4.0218E-06
100	0.294	0.294	1.36534	50	169	3.66519E-06	4.6678E-06
200	0.346	0.346	1.60682	34	121	4.61044E-06	5.5765E-06
400	0.398	0.398	1.84831	30	90.25	4.43907E-06	6.3518E-06

e_0	H_f	H_i	H_d	e_{100}	c_c	$c_{\alpha\varepsilon}$	$c_{\alpha e}$	σ'_a	γ_w	k	k
	[in]	[in]	[in]		0.815			[psf]	[pcf]	[ft/min]	[ft/day]
	1	1							62.4		
	0.808	1	0.452	2.77093		0.01	0.04644	17.5		4.74E-07	0.000683
	0.76	0.808	0.392	2.53873		0.006	0.02786	37.5		4.16E-07	0.000599
	0.704	0.76	0.366	2.27866		0.006	0.02786	75		2.32E-07	0.000334
	0.65	0.704	0.3385	2.03718		0.005	0.02322	150		1.46E-07	0.00021
	0.598	0.65	0.312	1.79569		0.005	0.02322	300		7.03E-08	0.000101

Table 5. Self weight consolidation test results for the composite sample CS3.

σ'_v	d_{100}	ε_{100}	Δe_{100}	t_{50}	t_{90}	$c_v(\log(t))$	$c_v(\text{sqrt}(t))$
[psf]	[in]			[min]	[min]	[ft ² /min]	[ft ² /min]
10							
25	0.212	0.212	1.3585	250	625	1.08851E-06	1.8742E-06
50	0.247	0.247	1.58278	160	484	1.25588E-06	1.7871E-06
100	0.312	0.312	1.9993	97	289	1.81263E-06	2.6189E-06
200	0.372	0.372	2.38378	70	256	2.09618E-06	2.4673E-06
400	0.432	0.432	2.76826	46	163.84	2.62778E-06	3.1758E-06

e_0	H_f	H_i	H_d	e_{100}	c_c	$c_{\alpha\varepsilon}$	$c_{\alpha e}$	σ'_a	γ_w	k	k
	[in]	[in]	[in]					[psf]	[pcf]	[ft/min]	[ft/day]
5.408	1	1			1.202				62.4		
	0.784	1	0.446	4.0495		0.014	0.08971	17.5		3.16E-07	0.000455
	0.749	0.784	0.38325	3.82522		0.014	0.08971	37.5		1.7E-07	0.000245
	0.685	0.749	0.3585	3.4087		0.01	0.06408	75		1.23E-07	0.000177
	0.625	0.685	0.3275	3.02422		0.008	0.05126	150		7.1E-08	0.000102
	0.564	0.625	0.29725	2.63974		0.006	0.03845	300		4.45E-08	6.41E-05

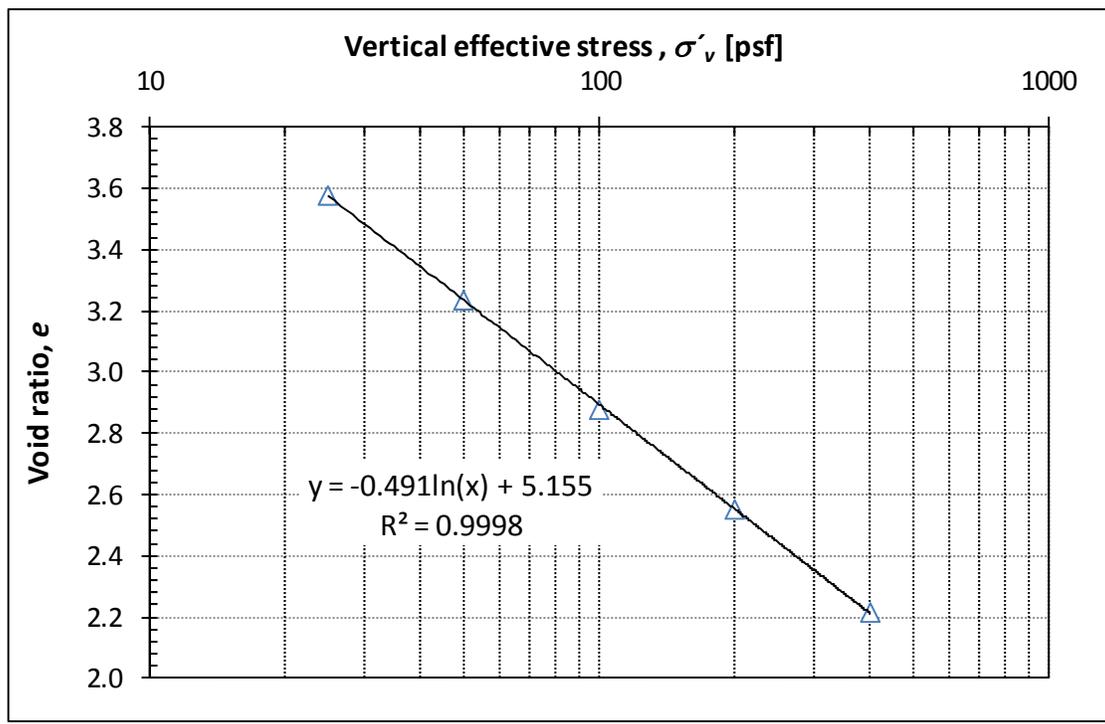
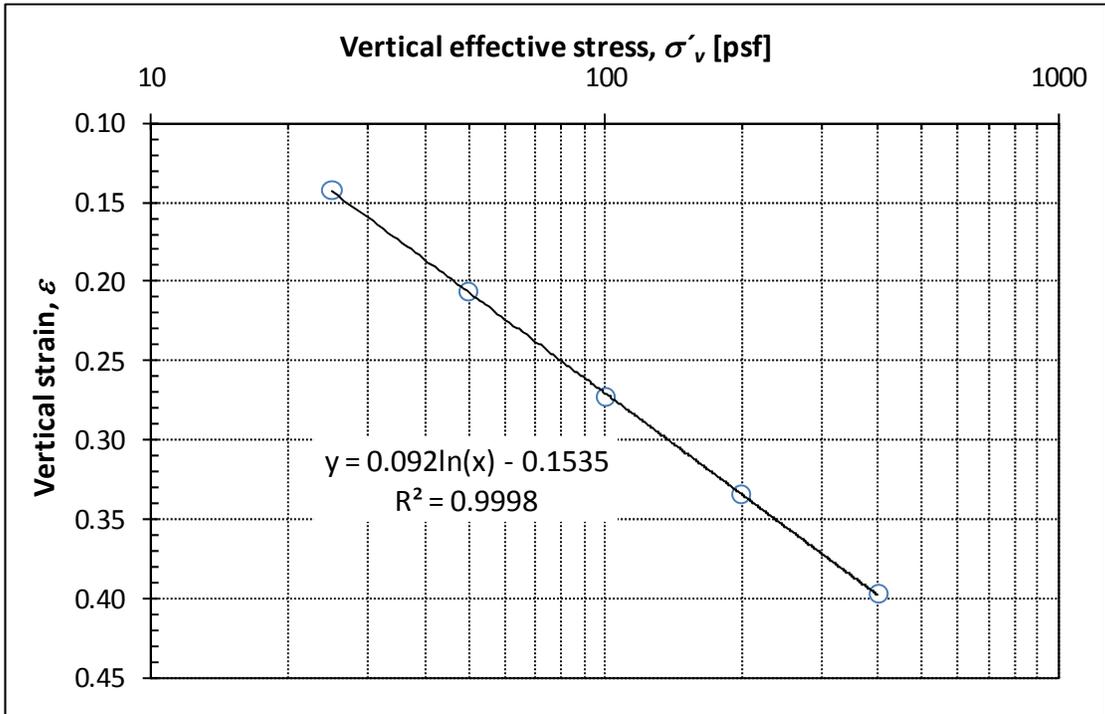


Figure 2. The self-weight consolidation curves for Sample CS1.

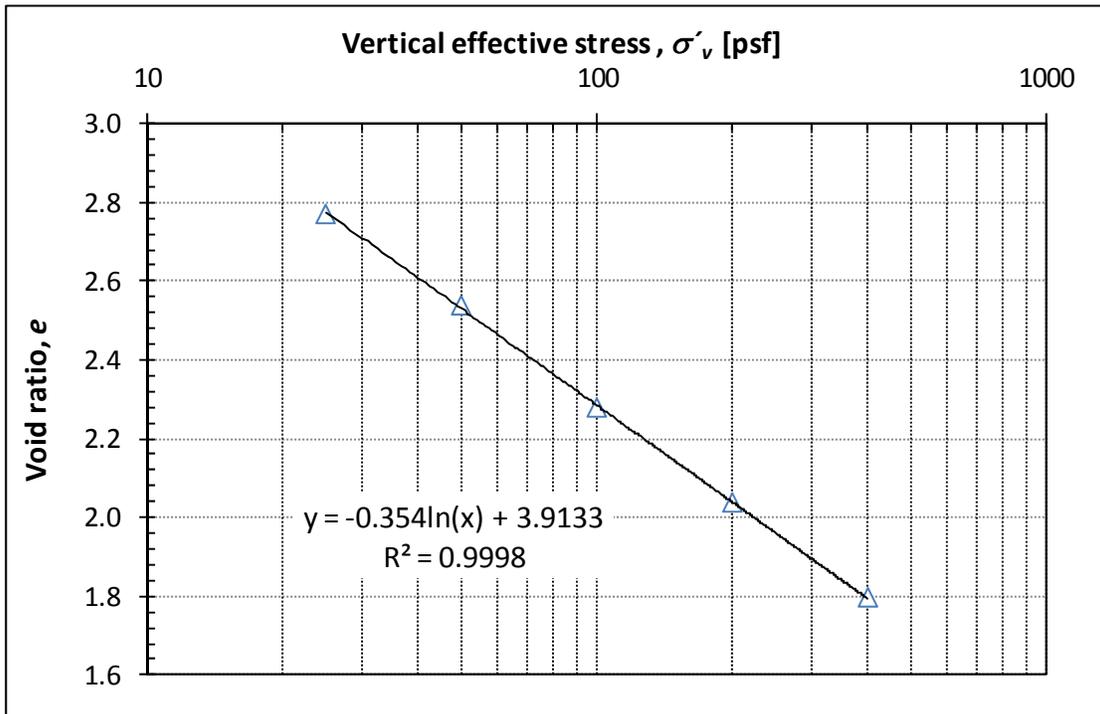
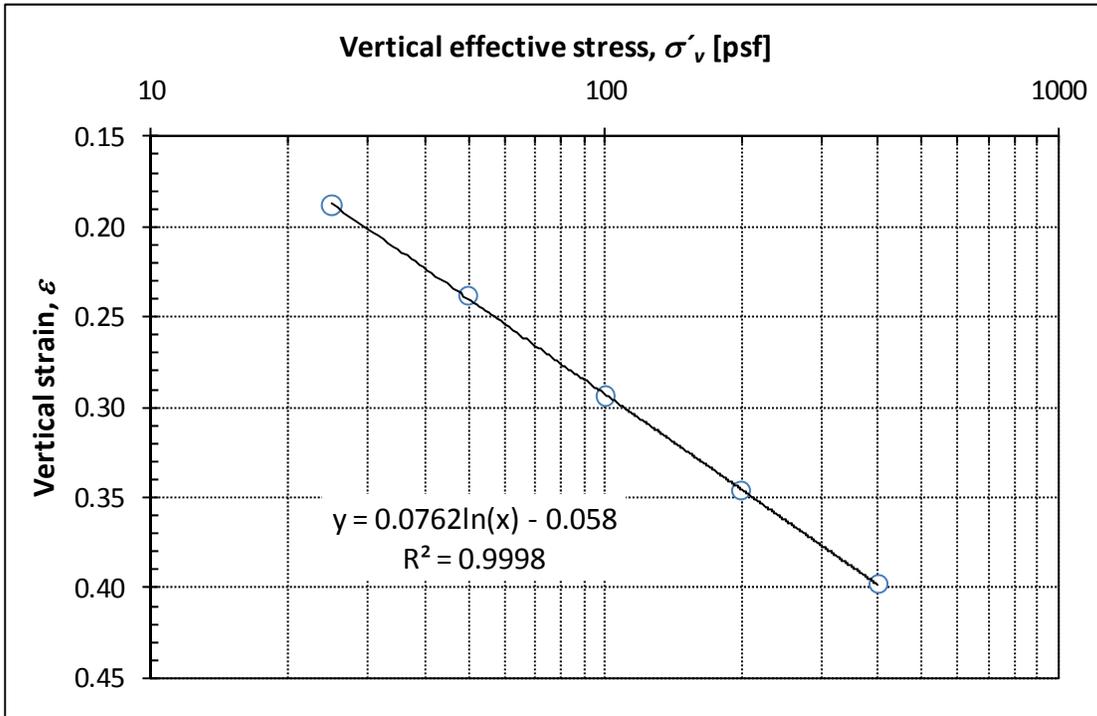


Figure 3. The self-weight consolidation curves for Sample CS2.

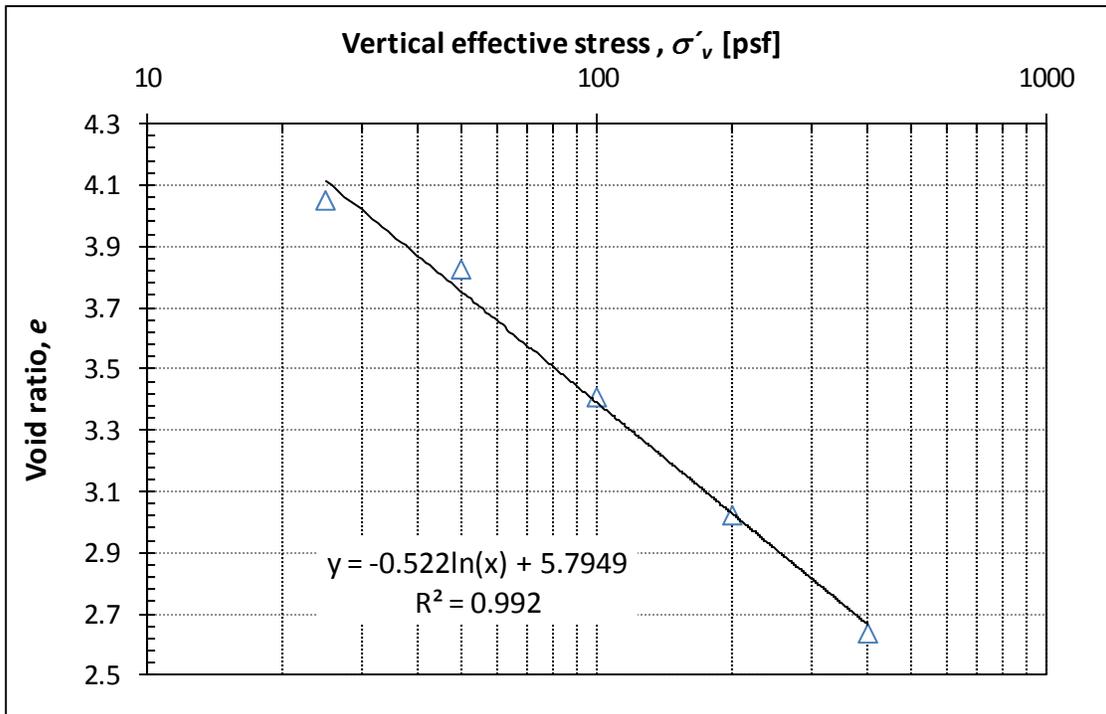
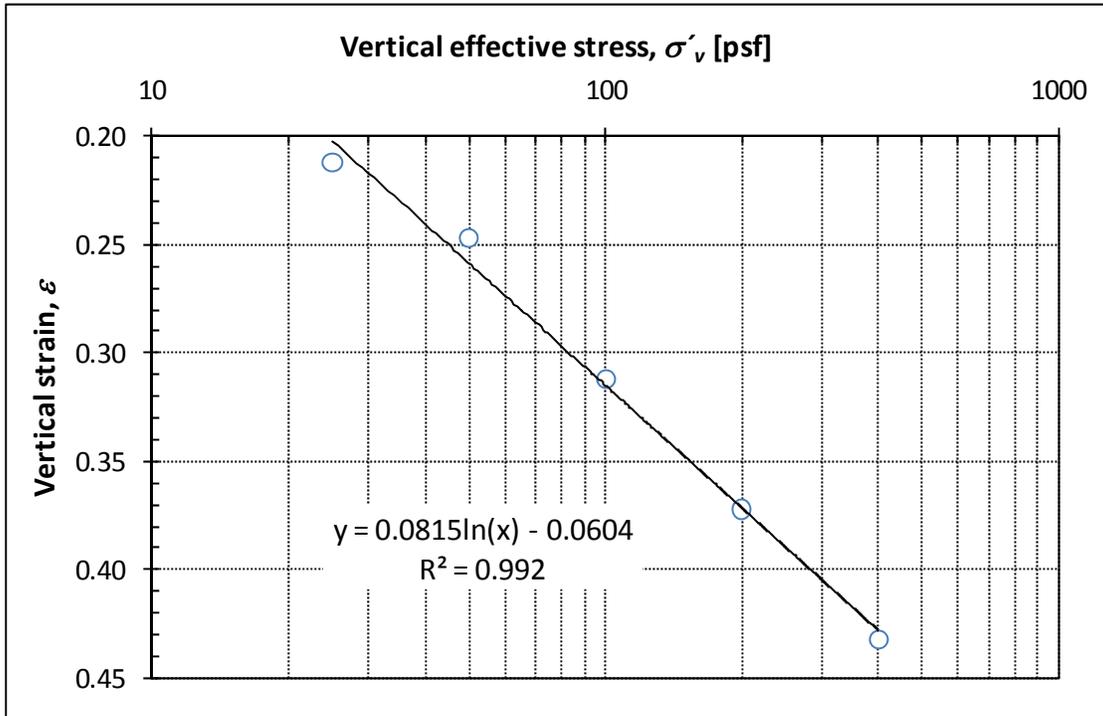


Figure 4. The self-weight consolidation curves for Sample CS3.

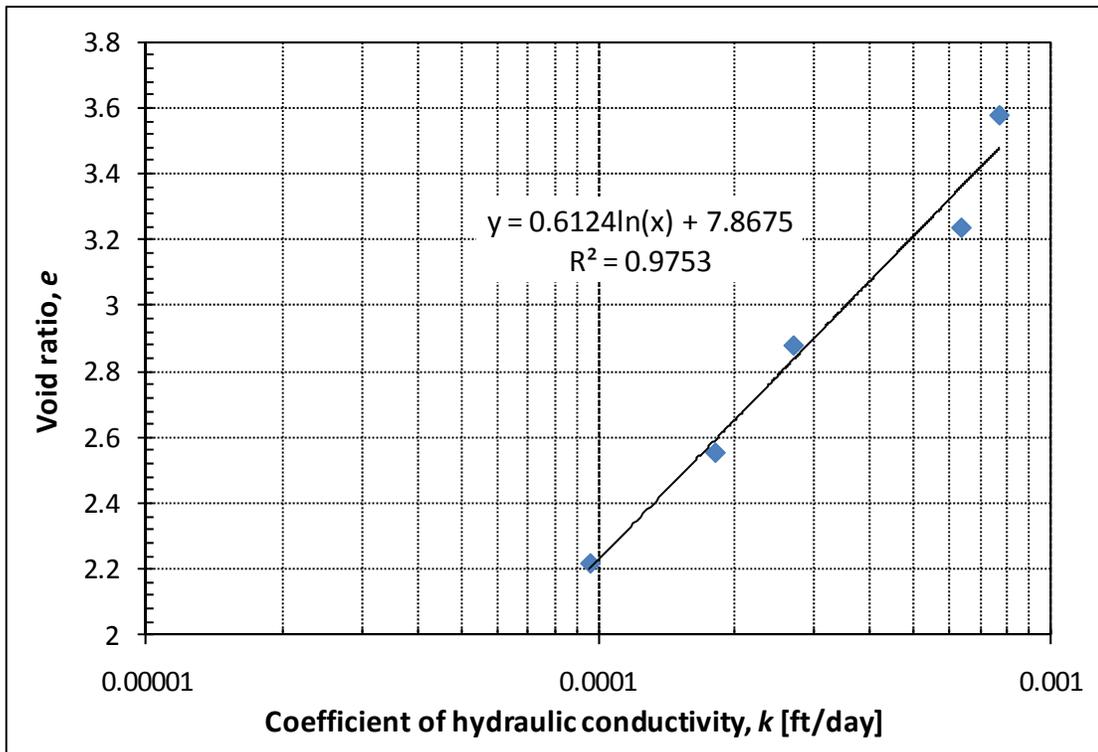
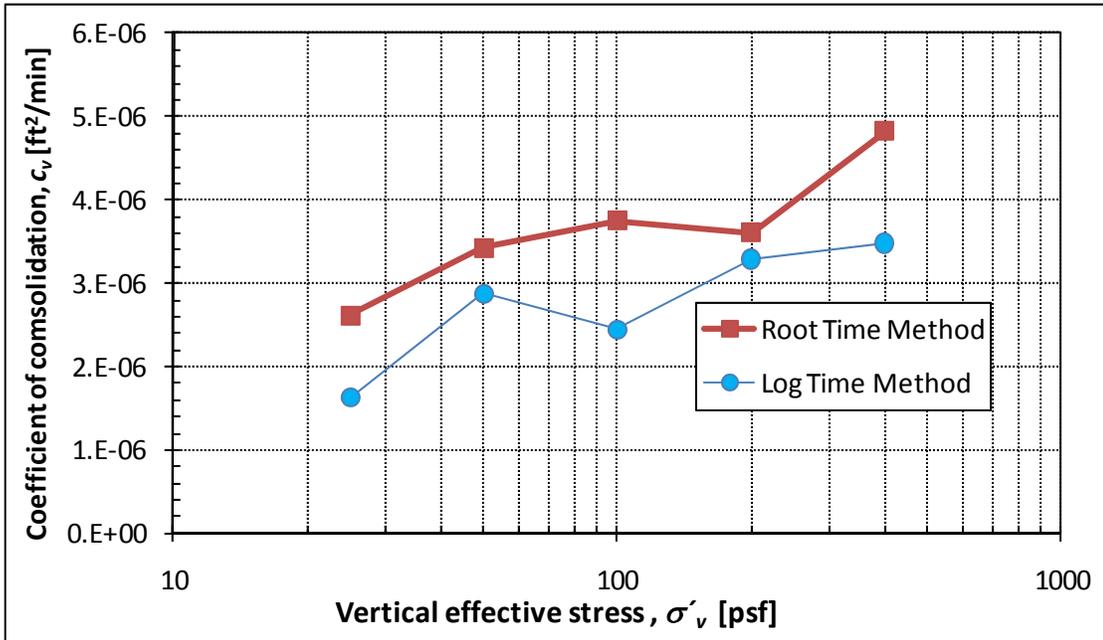


Figure 5. The coefficient of consolidation and coefficient of permeability for Sample CS1.

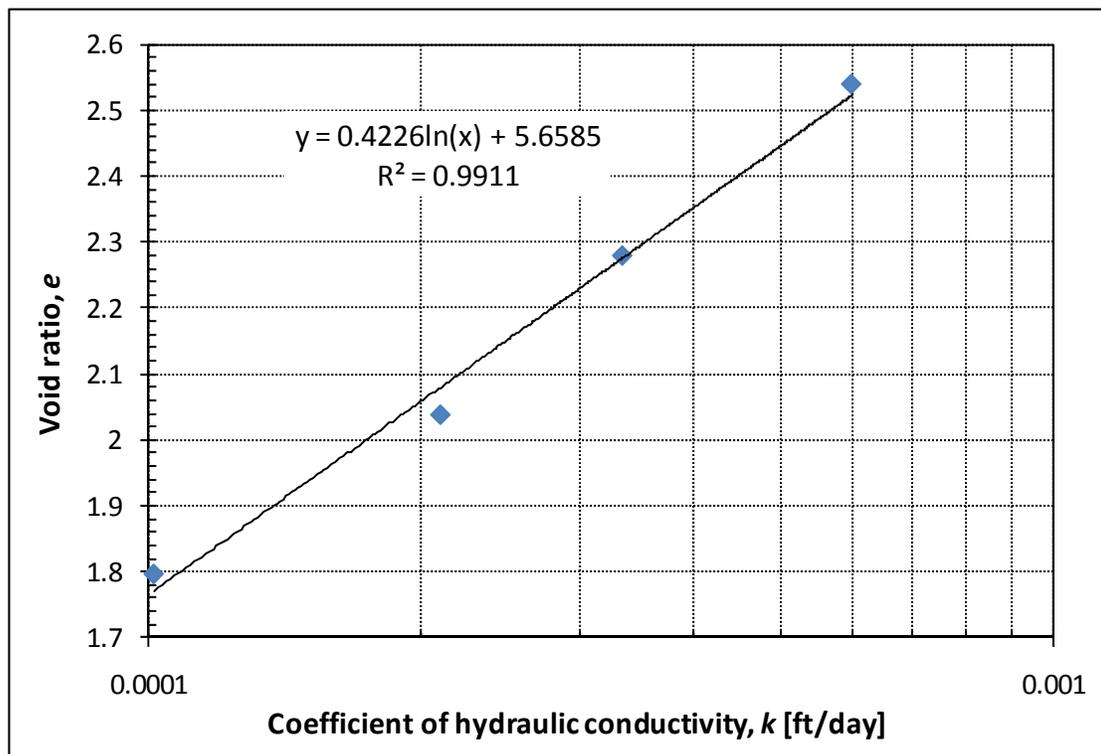
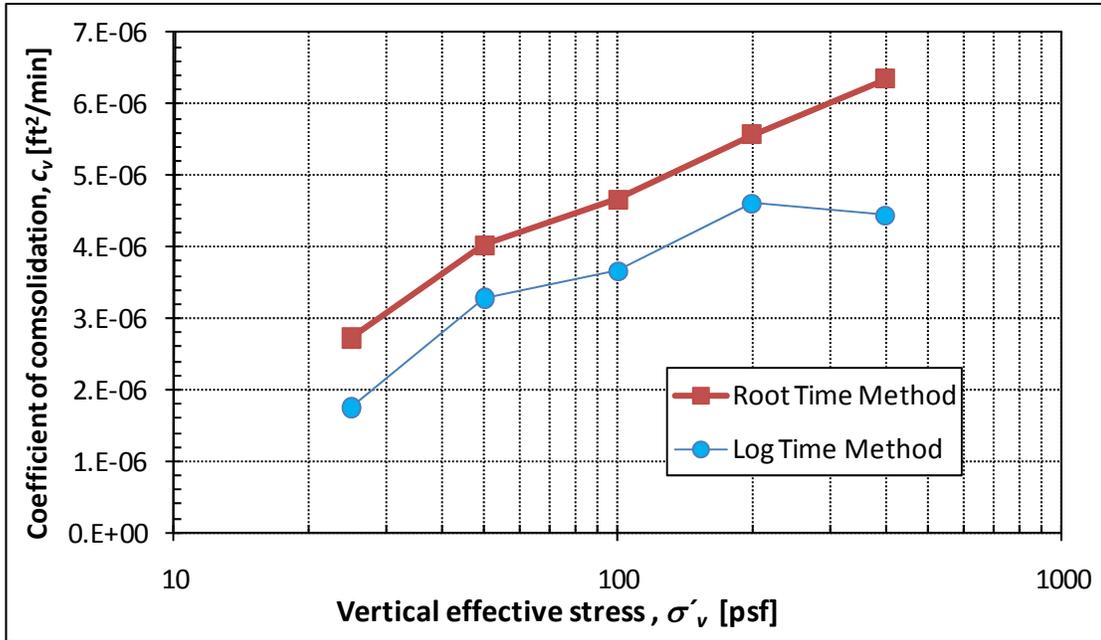


Figure 6. The coefficient of consolidation and coefficient of permeability for Sample CS2.

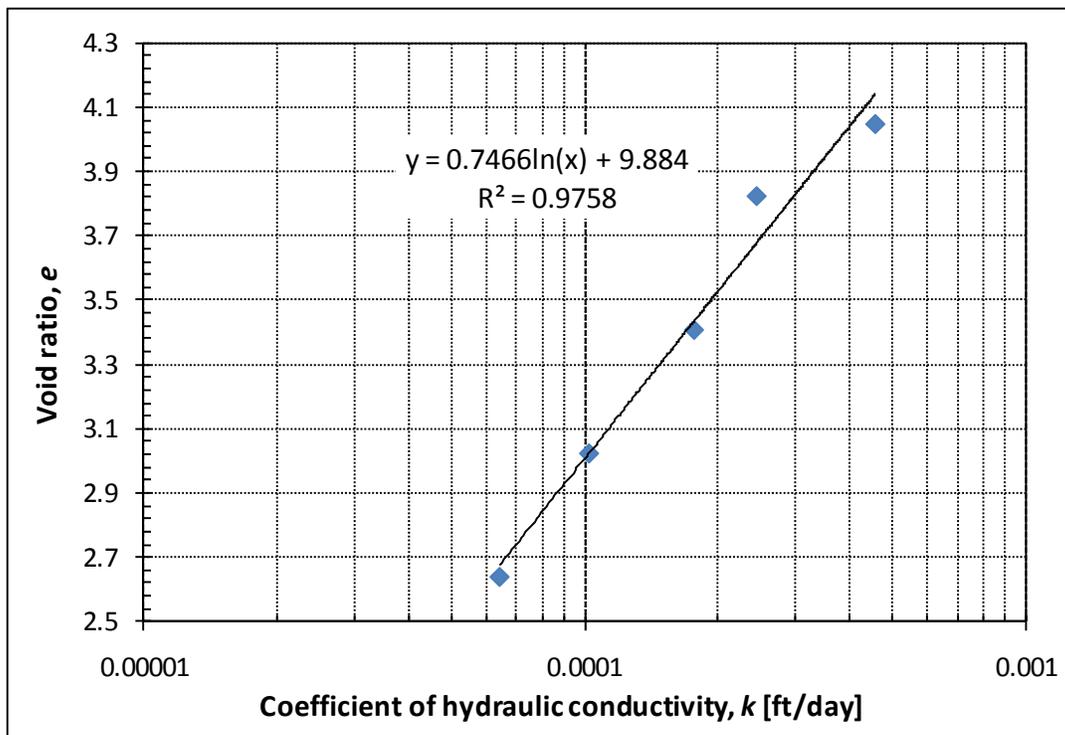
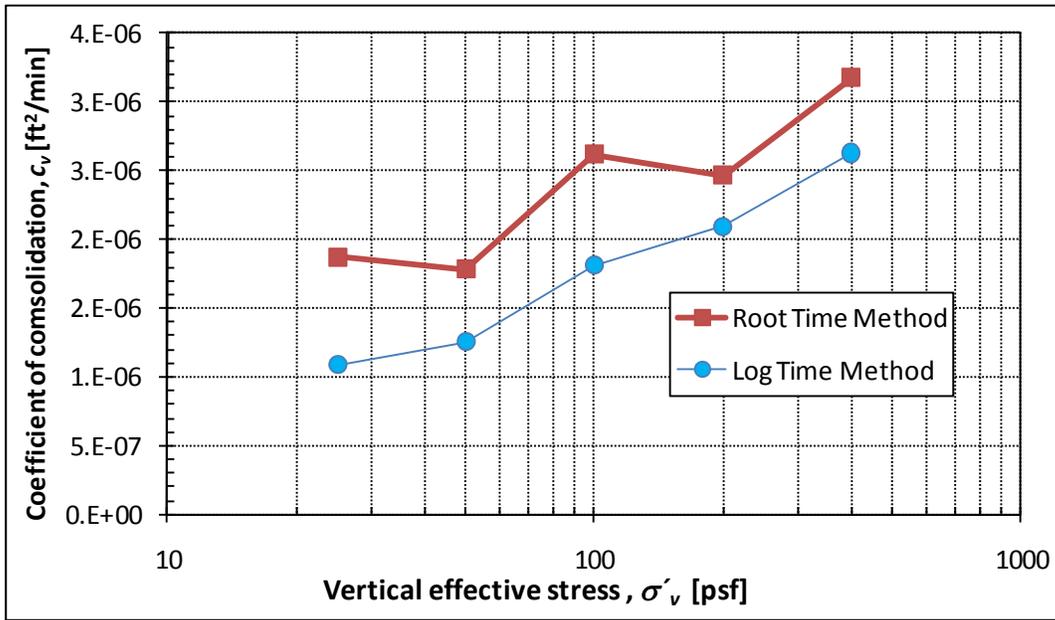


Figure 7. The coefficient of consolidation and coefficient of permeability for Sample CS3.

Final Report:

**Settling Properties of Sediment Slurry for the Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)**

GeoEngineers Project Number: 16715-020-00

Submitted to:

**Venu Tammineni, P.E., and
Charles L. Eustis, P.E.
GeoEngineers, Inc.**

11955 Lakeland Park Blvd., Suite 100

Baton Rouge, LA 70809

Phone: (225) 293-2460

Fax: (225) 293-2463

**Email: vtammineni@geoengineers.com
ceustis@geoengineers.com**

Submitted by:

William M. Moe, Ph.D., P.E.

Department of Civil and Environmental Engineering

Louisiana State University

Baton Rouge, LA 70803-6405

Tel: (225) 578-9174

Fax: (225) 578-8652

Email: moemwil@lsu.edu

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1.0 Introduction, Scope, and Objectives

The objective of the study reported here was to evaluate settling properties of sediment expected to be hydraulically dredged as part of the Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) [GeoEngineers Project Number: 16715-020-00].

2.0 Experimental Procedures and Results

Water samples labeled as Boring 8 (1/1), Boring 9 (1/1), and Boring 10 (1/1) and sediment samples labeled as Boring 8 and Boring 9 from the proposed dredging sites were provided by GeoEngineers, Inc. for laboratory testing.

The salinity of water samples from the proposed dredging location, measured in terms of total dissolved solids (TDS) following *Standard Methods*¹, averaged 1.67 g/L (with concentrations of 1.52 g/L, 1.64 g/L, and 1.84 g/L in sample IDs Boring 8 (1/1), Boring 9 (1/1), and Boring 10 (1/1), respectively).

Slurry was prepared using equal mass (wet basis) from the two sediment samples (Boring 8 and Boring 9). Water from the site plus tap water adjusted to the average salinity of the site water (1.67 g/L) was used in slurry preparation. Slurry containing the fine-grained fraction of sediments was obtained by thoroughly mixing the slurry and then allowing coarse grained materials (e.g., sand and shells), to separate by differential settling as described in the US Army Corps of Engineers Manual No. 1110-2-5027². The fine-grained sediment slurry was loaded into a large-scale (8.0 inch ID) testing column while mixing with air sparging. The total suspended solids (TSS) concentration in the slurry at the start of the settling test, calculated as the average of samples collected along the height of the column, was 152.9 g/L.

A clear sediment-water interface was observed within the first day after start of the settling test. The height of the sediment-water interface above the bottom of the column was measured and recorded over a period lasting a total of 15 days as depicted in Figure 1 (see Appendix A for tabulated data).

At a time of 12 hours after the start of the settling test, at which time the sediment-water interface was below the uppermost sample port, 50 mL samples were collected from the clarified layer above the sediment-water interface for measurement of TSS as described in the US Army Corps of Engineers Manual No. 1110-2-5027². Because the TSS concentrations in the samples collected for characterization of flocculent settling in the zone above the sediment-water interface were low, the mass of suspended solids retained on the filters was lower than the 5 mg recommended by the US Army Corps of Engineers Manual No. 1110-2-5027². Based on the data collected, the TSS concentration in all samples from the flocculent settling are reported here as <100 mg/L (calculated as the minimum residue mass required for acceptable analysis, 5 mg, divided by the sample volume filtered, 0.05 L).

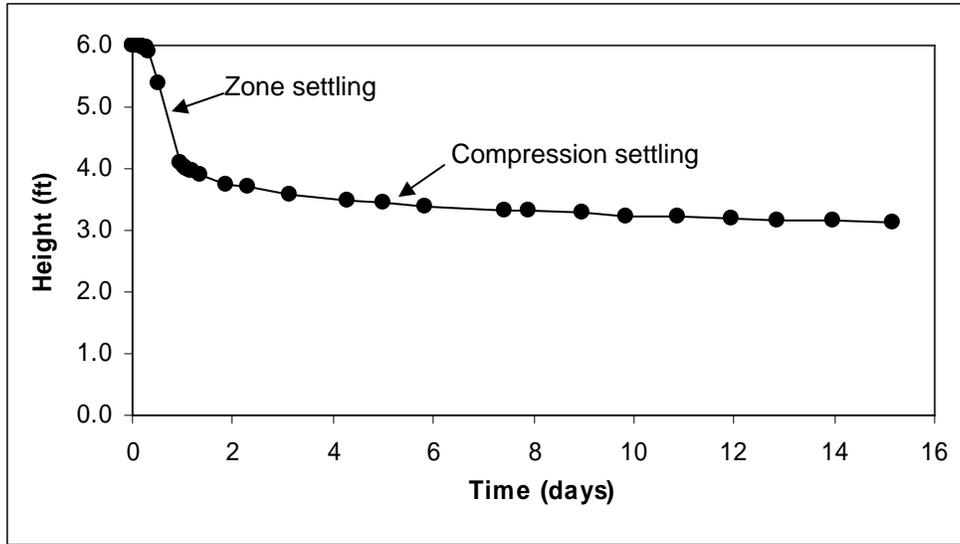


Figure 1: Interface height as function of time during the settling test.

A more detailed depiction of the interface height measured as a function of time during the first 1.1 days of the settling column test is depicted separately in Figure 2. As shown in the figure, during the first 0.3 days of the test, the interface height remained essentially constant near the top of the column. Thereafter, the sediment-water interface height decreased at a comparably rapid rate before slowing again after a total settling time of approximately one day. A reasonable interpretation of this data is that overall settling behavior was largely influenced by flocculent settling from time zero to a time of 0.3 days, followed by zone settling, and then the onset of behavior dominated by compression settling after one day. A linear regression was performed to determine the best-fit line for the time interval of 0.29 to 0.95 days (i.e., the interval denoted by dashed lines in Figure 2). The slope of the regression line, which corresponds to zone settling velocity, is 2.896 ft/day (0.121 ft/hr).

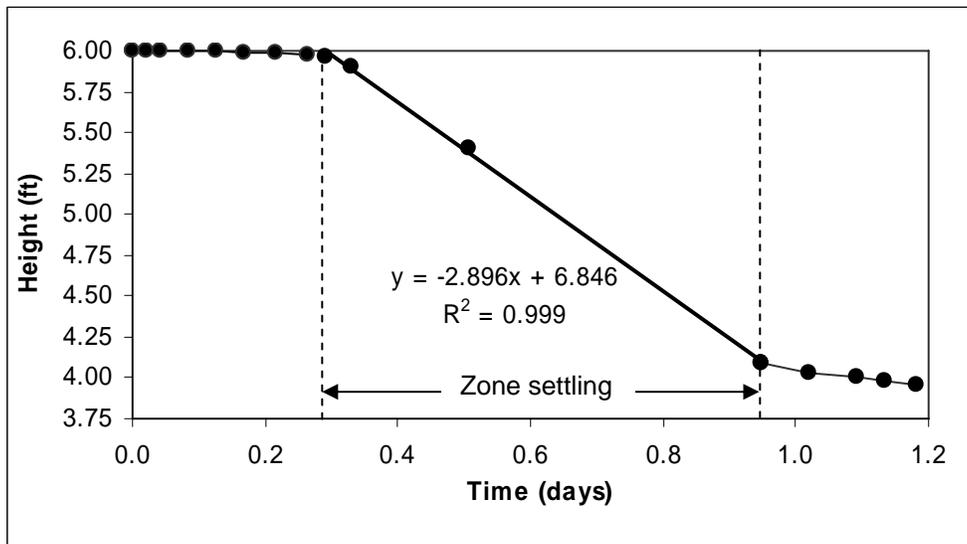


Figure 2: Interface height as a function of time during the first 1.1 days of the settling column test.

For the portion of the settling test during which compression settling was observed (i.e., after the first 1.1 days), the concentration in the settled solids at each time interval was calculated using the following equation (equation 3-11 in ref. 2).

$$C = \frac{C_o H_i}{H_t}$$

Where:

C = slurry concentration at time t (g/L)

C_o = initial slurry concentration (g/L)

H_i = initial slurry height (ft)

H_t = height of the interface at time t (ft)

The corresponding slurry concentration as a function of time during compression settling is depicted in Figure 3.

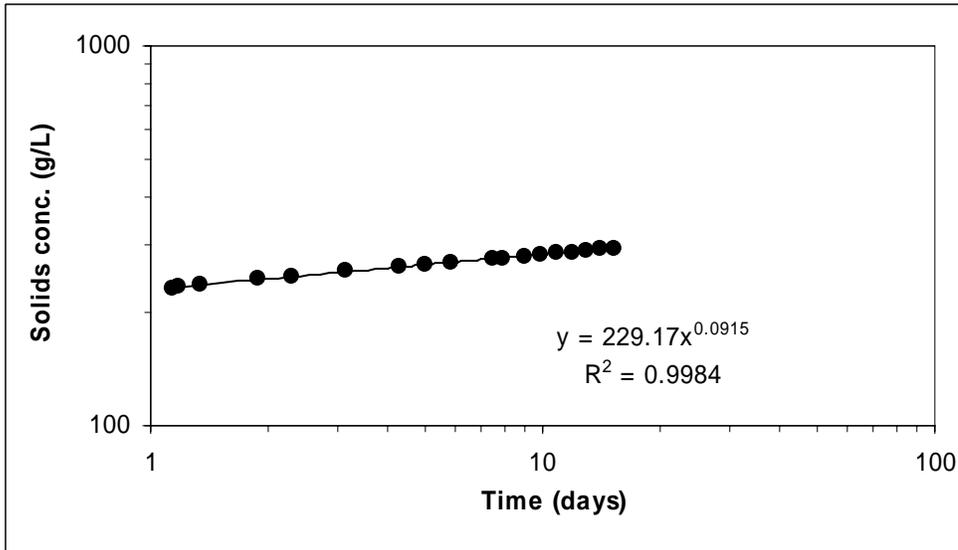


Figure 3: Concentration of settled solids as a function of time during the compression settling portion of the large-column settling test.

3.0 References

- (1) American Public Health Association (1998) *Standard Methods for the Examination of Water and Wastewater*, 20th Edition, American Water Works Association, Water Pollution Control Federation, Washington, DC.
- (2) US Army Corps of Engineers (1987) *Engineering and Design - Confined Disposal of Dredged Material*, Engineer Manual No. 1110-2-5027.

Appendix A: Interface height above the bottom of the column as a function of time during the pilot-scale column settling test.

Elapsed duration (hr)	Interface Height (ft)
0.00	6.000
0.50	6.000
1.00	5.996
2.00	5.996
3.00	5.996
4.00	5.992
5.17	5.983
6.33	5.971
7.02	5.967
7.92	5.908
12.2	5.400
22.8	4.092
24.5	4.033
26.2	4.000
27.2	3.983
28.3	3.963
32.1	3.904
47.0	3.750
55.0	3.696
75.3	3.592
103.3	3.496
120.0	3.450
140.5	3.400
178.3	3.333
189.5	3.317
215.0	3.279
236.5	3.242
261.4	3.217
287.0	3.196

Project: Lost Lake Marsh Creation (TE-72)
Project Location: Terrebonne Parish, Louisiana
Project No.: 16715-020-00

S. No.	Boring No.	Field Vane Test		Field Vane Instrument Used	Color of Field Vane Used	Instrument Reading	Shear Stress Interpolated from Geonor H-10 Vane Borer Calibration Curves			Plasticity Index	Correction Factor	PI Corrected Shear Stress	
		Depth Below Barge Deck	Depth Below Mudline (feet)*				kN/m ²	psf	ksf			%	psf
1	1	20	15	2555	RED	5	2.3917	50	0.050	88	0.632	32	0.032
2	1	25	20	2555	RED	7	3.5301	74	0.074	107	0.59	43	0.043
3	2	11	5	2555	RED	8	4.0993	86	0.086	77	0.673	58	0.058
4	2	26	20	2555	RED	9	4.6685	98	0.098	98	0.615	60	0.060
5	3	14	10	2555	RED	6	2.9609	62	0.062	88	0.632	39	0.039
6	3	19	15	2555	RED	9	4.6685	98	0.098	100	0.595	58	0.058
7	4	14	10	2555	RED	4	1.8225	38	0.038	102	0.59	22	0.022
8	4	29	25	2555	RED	11	5.8069	121	0.121	101	0.592	72	0.072
9	5	11	5	2555	RED	7	3.5301	74	0.074	125	0.53	39	0.039
10	5	26	20	2555	RED	11	5.8069	121	0.121	103	0.587	71	0.071
11	7	10	5	2555	RED	8	4.0993	86	0.086	63	0.729	62	0.062
12	7	15	10	2555	RED	9	4.6685	98	0.098	92	0.619	60	0.060
13	11	8	5	2555	RED	10	5.2377	109	0.109	75	0.681	74	0.074
14	11	13	10	2555	RED	7	3.5301	74	0.074	8	1.1	81	0.081
15	12	13	10	2555	RED	6	2.9609	62	0.062	14	1.046	65	0.065
16	12	18	15	2555	RED	9	4.6685	98	0.098	79	0.665	65	0.065
17	13	9	5	2555	RED	9	4.6685	98	0.098	20	0.995	97	0.097
18	13	24	20	2555	RED	11	5.8069	121	0.121	12	1.065	129	0.129
19	14	14	10	2555	RED	10	5.2377	109	0.109	24	0.963	105	0.105
20	14	29	25	2555	RED	5	2.3917	50	0.050	27	0.94	47	0.047



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Borehole	Top Depth	Soil Description	Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Compressive Strength TSF	Strain %	Start Pressure (KSF)	Failure	Test Type	Organic Content (%)	#200 Sieve	Alpha Angle	Comments
B-1		Zero (0) feet top of deck															
B-1		Water surface at EL +0.7 feet															
B-1		Mudline at EL -2.3 feet															
B-1	5	Very soft dark gray peat	290	68.3	17.5				0.08	9	0.02	Bulge	UU				
B-1	7	Very soft dark gray peat	258	69.5	19.4	331	101	230	0.12	11	0.33	Bulge	UU				
B-1	9	Very soft dark gray organic clay	230	79.4	24.0				0.06	11	0.43	Bulge	UU				
B-1	11	Very soft dark gray organic clay	156	81.1	31.7	169	29	140	0.07	9	0.40	MS	UU				
B-1	13	Very soft dark gray organic clay	107			141	35	106									
B-1	15	Very soft dark gray organic clay	144	82.4	33.8				0.08	9	0.63	Bulge	UU				
B-1	17	Very soft gray organic clay with shell	185			156	57	99									
B-1	19	Very soft gray clay (Field Vane Strength = 0.03 KSF)	96	93.6	47.6	116	27	88	0.06	15	0.86	Yield	UU				
B-1	19		96	93.6	47.6	116	27	88	0.06	15	0.86	Yield	UU				
B-1	21	Very soft gray clay with organic matter															
B-1	23	Very soft gray clay with organic matter (Field Vane Strength = 0.044 KSF)	99	93.0	46.8	153	46	107	0.07	11	1.10	Bulge	UU				
B-1	28	Very soft gray organic clay with shell and peat	297	73.9	18.6				0.11	10	1.37	Bulge	UU				



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B-3		Mudline at EL -1.56 feet															
B-3	4	Very soft gray organic clay	162			145	35	110									
B-3	6	Very soft gray organic clay	122	86.5	38.9				0.06	12	0.17	Bulge	UU				
B-3	8	Very soft gray organic clay	128	85.5	37.5	140	30	110	0.10	10	0.29	Bulge	UU				
B-3	10	Very soft gray organic clay	116	83.7	38.8				0.05	14	0.40	Bulge	UU				
B-3	12	Very soft gray organic clay	147	80.9	32.7				0.07	15	0.52	Yield	UU				
B-3	14	Very soft gray organic clay (Field Vane Strength = 0.039 KSF)	126	88.4	39.2	120	31	88	0.07	14	0.63	Bulge	UU				
B-3	16	Very soft gray organic clay	114	80.9	37.9				0.08	14		MS	UC				
B-3	18	Very soft gray organic clay	120	90.2	41.1	131	32	100	0.07	15	0.86	Yield	UU				
B-3	20	Very soft gray organic clay (Field Vane Strength = 0.058 KSF)	138	90.9	38.2	121	32	89	0.03	13		Yield	UC				
B-3	22	Very soft gray organic clay (cuttings)															
B-3	27	Very soft gray clay with organic matter and shells	108	89.3	43.0	100	26	73	0.07	14		MS	UC				
B-3	32	Very soft gray clay with organic matter	90	87.2	45.9	108	22	86	0.08	15		Yield	UC				
B-3	37	Very soft gray clay with organic matter	88	88.6	47.2				0.05	13		MS	UC				



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B-3	42	Very soft gray clay with organic matter	80	89.1	49.6	106	33	73	0.06	11		MS	UC				
B-3	47	Very soft gray clay with organic matter	104	90.1	44.2				0.13	9		MS	UC				
B-3	52	Very soft gray clay with organic matter and shells	99	90.2	45.4	117	34	83	0.09	10		MS	UC				
B-4		Zero (0) feet top of deck															
B-4		Water surface at EL +0.43 feet															
B-4		Mudline at EL -2.57 feet															
B-4	5	Very soft gray organic clay	181			136	35	101									
B-4	7	Very soft gray organic clay	153	80.1	31.7	157	32	125	0.06	11	0.17	Bulge	UC				
B-4	9	Very soft gray organic clay	118	88.6	40.6				0.09	11	0.29	Bulge	UC				
B-4	11	Very soft gray organic clay	131	84.5	36.6				0.07	15	0.40	Yield	UC				
B-4	13	Very soft gray organic clay	128	90.1	39.5				0.04	9		MS	UC				
B-4	15	Very soft gray organic clay (Field Vane Strength = 0.022 KSF)	132	93.4	40.3	128	26	102	0.03	5		MS	UC				
B-4	17	Very soft gray organic clay	107	93.9	45.3				0.05	13		MS	UC				
B-4	19	Very soft gray organic clay	120	91.5	41.6	128	28	101	0.04	15		Yield	UC				
B-4	21	Very soft gray organic clay	110	95.1	45.4				0.12	10	0.98	Bulge	UU				



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B-4	23	Very soft gray clay	125	87.7	39.0	123	36	87	0.07	14	1.09	Bulge	UU				
B-4																	
B-4	28	Very soft gray clay with organic matter (Field Vane Strength = 0.072 KSF) (cuttings)	94			101	32	69									
B-4	33	Very soft gray clay with organic matter	83	90.6	49.5				0.06	14	1.67	Bulge	UU				
B-4	38	Very soft gray clay with organic matter	97	90.7	46.1	92	25	67	0.09	13	1.96	Bulge	UU				
B-4	43	Very soft gray clay with organic matter	103	100.9	49.6				0.09	15		Yield	UC				
B-4																	
B-4	48	Very soft gray very silty clay	32			34	20	13									
B-4	52	Very soft gray silty clay with organic matter	33	100.2	75.4				0.07	15		Yield	UC				
B-5		Zero (0) feet top of deck															
B-5		Water surface at EL +0.83 feet															
B-5		Mudline at EL -1.47 feet															
B-5	5	Very soft dark gray organic clay	152	91.6	36.4	146	40	107	0.09	11	0.06	Bulge	UU				
B-5	7	Very soft gray organic clay	144	82.7	33.9				0.10	9	0.17	Bulge	UU				
B-5	9	Very soft gray organic clay with organic matter (Field Vane Strength = 0.039 KSF)	196	80.9	27.3	173	48	125	0.04	13		MS	UC				



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B-9																	
B-9		Mudline at EL -4.95 feet															
B-9	7	Very soft gray clay with shells	117			94	31	63									
B-9	9	Very soft gray clay with organic matter	76			68	26	43						6.96			
B-9	11	Very soft gray clay with organic matter	152														
B-9	13	Very soft gray clay with organic shells	132			105	34	71									
B-9	15	Very soft gray clay with organic matter															
B-9	17	Very soft gray clay with organic matter	122														
B-9	19	Very soft gray clay with organic matter															
B-9	21	Very soft gray clay with organic matter	104														
B-9	23	Very soft gray clay with organic matter															
B-9	25	Very soft gray clay with organic matter	112														
B-10		Zero (0) feet top of deck															
B-10		Water surface at EL +0.3 feet															
B-10		Mudline @ EL -3.9 feet															
B-10	6	Very soft gray clay	105			87	25	62									
B-10	8	Very soft gray clay	98			83	29	54						5.36			
B-10	10	Very soft gray clay with	101			78	30	48							99.3		Hydrometer test



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B-10	12	shells Very soft gray silty clay with shells and organic matter															
B-10	14	Very soft gray clay	92														
B-10	16	Very soft gray clay with shells															
B-10	18	Very soft gray clay	106														
B-10	20	Very soft gray clay	76														
B-10	22	Very soft gray clay with organic shells	62														
B-10	24	Very soft gray clay (cuttings)															
B-11		Zero (0) feet top of deck															
B-11		Water surface at EL +0.1 feet															
B-11		Mudline at EL -0.9 feet															
B-11	3	Very soft dark gray peat	480	68.7	11.8	250	94	156	0.11	12	0.06	Bulge	UU				
B-11	5	Very soft gray organic clay with organic matter	233	84.2	25.3	138	36	102	0.06	10	0.17	Bulge	UU				
B-11	7	Very soft gray clay with organic matter (Field Vane Strength = 0.074 KSF)	361	100.5	21.8	104	29	75	0.07	12	0.29	Bulge	UU				
B-11	9	Very soft gray clay with sand traces	37														
B-11	11	Very soft gray silty clay with 1" silt layer and organic matter	29	124.6	96.5	30	22	8	0.50	12	0.52	Bulge	UU				



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B-11	13	Very soft gray sandy clay and organic matter traces (Field Vane Strength = 0.081 KSF)															
B-11	15	Very soft gray silt with organic matter and trace sand				22	20	2							96.0		Consol. test specific gravity = 2.62
B-11	17	Firm light gray silty clay with 3" sand layer	36	117.1	85.8	37	19	18	0.11	7	0.86	Bulge	UU				
B-11	19	Very soft gray silty clay with organic matter and 2" sand layer	39	113.5	81.4				0.13	15	0.98	Yield	UU				
B-11	21	Very soft gray clay with silt	78			43	23	20									
B-11	26	Very soft gray silty clay with shells and 1" clayey silt layer	35	102.1	75.5				0.15	12		MS	UC				
B-11	31	Soft gray clay with organic matter	63	103.9	63.8	92	31	61	0.35	6		MS	UC				
B-11	36	Soft gray clay with shells	64														
B-11	41	Soft gray clay	66	105.3	63.5	94	32	63	0.36	9		MS	UC				
B-12		Zero (0) feet top of deck															
B-12		Water surface at EL +0.88 feet															
B-12		Mudline at EL -2.32 feet															
B-12	5	Soft gray silty clay with organic matter	38	105.9	76.8	35	22	14	0.37	11	0.06	Bulge	UU				
B-12	7	Very soft gray organic	248	115.8	33.3	42	25	18	0.11	11	0.17	Bulge	UU				



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B-12	9	clay Very soft gray peat with organic matter (Specific Gravity = 2.00%)	220		24.1	241	62	179							83.0		Hydrometer test and specific gravity test = 2.002
B-12	11	Very soft gray very silty clay with organic matter															
B-12	13	Very soft gray silty clay with organic matter	71			40	28	12									
B-12	15	Very soft gray very silty clay with organic matter (Field Vane Strength = 0.065 KSF)	18	128.6	108.9	33	19	14	0.36	11	0.63	Bulge	UU		97.0		Hydrometer test
B-12	17	Very soft gray clay with organic matter	44	92.3	64.1	99	31	67	0.04	11	0.75	Bulge	UU				
B-12	19	Very soft gray clay with organic matter (Field Vane Strength = 0.065 KSF)	106	92.6	44.9	112	32	79	0.09	10	0.86	Bulge	UU				
B-12	21	Very soft gray clay with silt streaks and organic matter	71	99.9	58.6	67	21	45	0.08	14	0.98	Bulge	UU				
B-12	23	Very soft gray clay with organic matter (cuttings)															
B-12	28	Very soft gray clay with shells	90	91.8	48.4	104	33	72	0.15	14	1.38	Bulge	UU				
B-12	33	Very soft gray clay	96														
B-12	38	Very soft gray clay with shells	76	91.3	51.9	118	32	86	0.07	15	1.96	Yield	UU				
B-12	43	Very soft gray clay with shells	111	95.5	45.3	115	31	84	0.11	10	2.30	Bulge	UU				



PROJECT NAME Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)

LOCATION Terrebonne Parish, Louisiana

PROJECT NUMBER 16715-020-00

NOTES

Borehole	Top Depth	Soil Description	Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Compressive Strength TSF	Strain %	Start Pressure (KSF)	Failure	Test Type	Organic Content (%)	#200 Sieve	Alpha Angle	Comments
B-13		Zero (0) feet top of deck															
B-13		Water surface at EL +0.96 feet															
B-13		Mudline at EL -1.04 feet															
B-13	4	Very soft gray clay with organic matter and ferrous nodules	100	101.5	50.7	72	24	48	0.09	11	0.06	Bulge	UU				
B-13	6	Very soft gray clay with organic matter	67	110.1	65.9				0.12	11	0.17	Bulge	UU				
B-13	8	Very soft gray clay with organic matter (Field Vane Strength = 0.97 KSF)	48	115.4	78.2	43	23	20	0.18	11	0.29	Bulge	UU				
B-13	10	Very soft gray clay with organic matter	38	122.2	88.5	36	23	13	0.22	12	0.40	Bulge	UU				
B-13	12	Very soft gray clay with organic matter	43			43	23	19									
B-13	14	Very soft gray clay	41	111.2	78.7				0.18	11	0.63	Bulge	UU				Specific gravity = <.151
B-13	16	Very soft gray clay	31	118.5	90.1	81	26	55	0.11	12	0.75	Bulge	UU				
B-13	18	Very soft gray silty clay	39			46	25	22									
B-13	20	Very soft gray silty clay	35	118.3	87.6	35	23	12	0.16	15	0.98	Yield	UU				
B-13	22	Very soft gray silty clay with silt streaks (Field Vane Strength = 0.129 KSF)															
B-13	27	Soft gray clay with silt streaks and organic matter	49	107.4	72.1	88	31	57	0.43	12	1.38	MS	UU				



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PROJECT NUMBER 16715-020-00

NOTES

Borehole	Top Depth	Soil Description	Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Compressive Strength TSF	Strain %	Start Pressure (KSF)	Failure	Test Type	Organic Content (%)	#200 Sieve	Alpha Angle	Comments
B-13	32	Soft gray clay	50	110.2	73.6				0.49	11	1.67	MS	UU				
B-13	37	Soft gray clay with organic matter	43			77	30	47									
B-13	42	Soft gray clay	48	104.3	70.6				0.30	9	2.25	MS	UU				
B-14		Zero (0) feet top of deck															
B-14		Water surfaceat EL +0.96 feet															
B-14		Mudline at EL -1.04 feet															
B-14	4	Very soft gray clay with organic matter	118	99.4	45.6	99	28	71	0.14	10	0.06	Bulge	UU				
B-14	6	Very soft gray clay with organic matter	69	110.3	65.3	79	24	54	0.11	11	0.17	Bulge	UU				
B-14	8	Very soft gray clay with organic matter	53			85	27	58									
B-14	10	Very soft gray clay with organic matter	51			143	44	99									
B-14	12	Very soft gray clay with organic matter	61	103.7	64.2	80	26	53	0.17	10	0.52	Bulge	UU				
B-14	14	Very soft gray clay with organic matter (Field Vane Strength = 0.105 KSF)	55	112.2	72.3	52	28	24	0.16	11	0.63	Bulge	UU				
B-14	16	Very soft gray clay with 1" sand layer and streaks	71	101.4	59.3	51	20	31	0.09	13	0.75	Bulge	UU				
B-14	18	Very soft gray fine sandy clay with 1" clay layer	34			29	18	11									
B-14	20	Very soft gray clay with organic matter															
B-14	22		72	103.3	59.9	54	21	33	0.09	15		Yield	UC				



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LOCATION Terrebonne Parish, Louisiana

PROJECT NUMBER 16715-020-00

NOTES

Borehole	Top Depth	Soil Description	Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Compressive Strength TSF	Strain %	Start Pressure (KSF)	Failure	Test Type	Organic Content (%)	#200 Sieve	Alpha Angle	Comments
B-15	27	Very soft gray clay with organic matter (Field Vane Strength = 0.103 KSF)															
B-15	29	Very soft gray clay with shells	40	98.7	70.5	76	22	54	0.05	15	0.98	Yield	UU				
B-15	31	Soft gray clay with silt and shell	50	105.6	70.3				0.25	4		MS	UC				
B-15	36	Soft gray clay	67	105.4	63.1	92	33	59	0.27	8		MS	UC				
B-15	41	Soft gray clay with shell	50	106.6	71.1				0.31	10		MS	UC				
B-15	46	Very soft gray clay	62	104.0	64.4	94	39	56	0.22	4		MS	UC				
B-15	51	Very soft gray clay with organic matter	88	101.2	53.9				0.15	3		SLS	UC				
B-16		Zero (0) feet top of deck															
B-16		Water surface at EL +0.17 feet															
B-16		Mudline at EL +0.15 feet															
B-16	4	Very soft dark gray peat (Specific Gravity = 2.27)	467	82.2	14.5	215	90	125	0.08	12	0.06	Slump	UU				
B-16	6	Very soft dark gray peat with 3" organic clay layer	399	88.3	17.7	98	27	70	0.05	11	0.17	Bulge	UU				
B-16	8	Dark gray peat															
B-16	10	Very soft gray organic clay	150	92.2	36.8	91	29	63	0.11	12	0.40	Bulge	UU				
B-16	12	Very soft gray clay with organic matter	98	97.3	49.1	83	28	55	0.16	11	0.52	Bulge	UU				
B-16	14	Very soft gray clay with organic matter (Field Vane Strength = 0.055)	65	101.1	61.5	86	28	58	0.25	12	0.63	Bulge	UU				



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LOCATION Terrebonne Parish, Louisiana

PROJECT NUMBER 16715-020-00

NOTES

Borehole	Top Depth	Soil Description	Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Compressive Strength TSF	Strain %	Start Pressure (KSF)	Failure	Test Type	Organic Content (%)	#200 Sieve	Alpha Angle	Comments
B-16	16	KSF) Very soft gray silty clay with organic matter (Field Vane Strength = 0.047 KSF)	68	103.1	61.4	84	29	55	0.12	10	0.75	Bulge	UU				
B-16	18	Firm gray clayey silt with sand, organic matter and two 2" clay layers	33	116.0	87.2	26	22	4	0.19	12	0.86	Bulge	UU		78.0		Hydrometer test
B-16	20	Very soft gray clay with organic matter	64			89	30	59							99.0		Hydrometer test
B-16	22	Firm gray clayey silt with sand, organic matter and 3½" clay layer	27	114.4	89.9				0.67	12	1.09	Bulge	UU		75.0		Hydrometer test
B-16	27	Very soft dark gray clay with organic and 3½" clayey silt layer	85	97.0	52.5	86	27	59	0.20	11	1.38	Bulge	UU				
B-16	32	Soft brown peat with 4" organic clay layer	264	71.9	19.8				0.34	6		Bulge	UC				
B-16	37	Very soft gray clay with organic matter, 4" peat layer and shells	84	84.3	45.8	44	18	26	0.14	13	1.96	Bulge	UU				
B-16	42	Very soft gray clay with organic matter	82														
B-16	47	Very soft gray clay with organic matter															
B-16	52	Very soft gray clay with organic matter and 4"	189	82.8	28.6	106	27	79	0.24	10		Bulge	UC				



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LOCATION Terrebonne Parish, Louisiana

PROJECT NUMBER 16715-020-00

NOTES

Borehole	Top Depth	Soil Description	Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Compressive Strength TSF	Strain %	Start Pressure (KSF)	Failure	Test Type	Organic Content (%)	#200 Sieve	Alpha Angle	Comments
B-16	57	peat layer Very soft gray clay with organic matter and 2"	54	95.6	62.3				0.16	11		Bulge	UC				
B-16	62	peat layer Very soft gray clay with organic matter and wood	98			114	35	79									
B-17		Zero (0) feet top of deck															
B-17		Water surface at EL +0.43 feet															
B-17		Mudline at EL -0.57 feet															
B-17	3	Very soft gray organic clay	106	93.4	45.4				0.10	9	0.06	MS	UU				
B-17	5	Very soft gray organic clay	86	96.1	51.7				0.02	15		Yield	UC				
B-17	7	Very soft gray organic clay with organic matter (Field Vane Strength = 0.037 KSF)	69	101.2	59.9	89	30	59	0.11	12		MS	UC				
B-17	9	Very soft gray clay with organic matter	54	114.4	74.1	75	28	46	0.10	15		Yield	UC		99.0		Hydrometer test; specific gravity = 2.582
B-17	11	Very soft gray silty clay with organic matter	36	116.0	85.5	44	23	21	0.23	14	0.52	Bulge	UU				
B-17	13	Very soft gray clay with sand and organic matter (Field Vane Strength = 0.032 KSF)	84	116.4	63.1	45	22	23	0.11	15	0.63	Yield	UU				
B-17	15																
B-17	17	Firm gray silty clay	33	107.5	80.8				0.39	3	0.86	MS	UU				
B-17	19	Very soft gray very silty	43	113.3	79.4	28	20	7	0.22	7	0.98	MS	UU				



PROJECT NAME Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)

LOCATION Terrebonne Parish, Louisiana

PROJECT NUMBER 16715-020-00

NOTES

Borehole	Top Depth	Soil Description	Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Compressive Strength TSF	Strain %	Start Pressure (KSF)	Failure	Test Type	Organic Content (%)	#200 Sieve	Alpha Angle	Comments
B-17	21	clay Very soft gray very silty clay															
B-17	26	Very soft gray clay with organic matter	62	109.8	67.9	57	17	39	0.07	15		Yield	UC				
B-17	31	Very soft gray organic clay with organic matter	141	97.4	40.4				0.08	15		Yield	UC				
B-17	36	Dark gray organic clay with organic matter (cuttings)															
B-17	41	Very soft dark gray peat	270	78.5	21.2	367	123	244	0.14	10		Bulge	UC				
B-18		Zero (0) feet top of deck															
B-18		Water surface at EL +0.65 feet															
B-18		Mudline at EL -0.35 feet															
B-18	4	Very soft gray clay with organic matter	88	94.1	50.2	95	27	68	0.02	15		Yield	UC				
B-18	6	Very soft gray organic clay	120	72.1	32.8				0.10	15	1.17	Yield	UU				
B-18	8	Very soft gray clay with organic matter	104			96	30	66									
B-18	10	Very soft gray clay with organic matter (Field Vane Strength = 0.036 KSF)	89	113.3	60.0				0.07	15		Yield	UC				
B-18	12	Very soft gray clay with	80	105.4	58.6	79	29	50	0.09	9		MS	UC				



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PROJECT NUMBER 16715-020-00

NOTES

Borehole	Top Depth	Soil Description	Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Compressive Strength TSF	Strain %	Start Pressure (KSF)	Failure	Test Type	Organic Content (%)	#200 Sieve	Alpha Angle	Comments
B-19	8	Very soft dark gray peat (Field Vane Strength = 0.025 KSF)	408			329	72	257									
B-19	10	Very soft gray peat	213	67.8	21.7				0.03	11	0.40	Bulge	UU				
B-19	12	Very soft gray peat	200	76.0	25.4	208	51	157	0.08	6	0.52	MS	UU				
B-19	14	Very soft gray organic clay	175	84.3	30.6				0.11	8	0.63	MS	UU				
B-19	16	Very soft gray organic clay	87	91.5	48.9	146	38	108	0.14	15	0.75	Yield	UU				
B-19	18	Very soft gray organic clay with shell, organic matter and 2" peat layer (*FVS = 0.046 KSF)	506	86.5	14.3	157	36	121	0.06	13		MS	UC				
B-19	20	Very soft gray organic clay	242														
B-19	22	Very soft gray organic clay with shell and 1" peat layer	179	90.4	32.4	160	40	121	0.04	10		MS	UC				
B-19	27	Very soft gray clay with silt, organic matter and shell	53	112.0	73.0	47	22	25	0.15	15		Yield	UC				
B-19	32	Very soft gray clay with silt, organic matter and shell	44	112.7	78.3				0.48	8		MS	UC				
B-19	37	Very soft gray clay with organic matter	51	112.6	74.6	60	22	38	0.23	15		Yield	UC				
B-19	42	Soft gray clay with shell and organic matter	55	110.8	71.5				0.29	15		Yield	UC				



PROJECT NAME Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)

LOCATION Terrebonne Parish, Louisiana

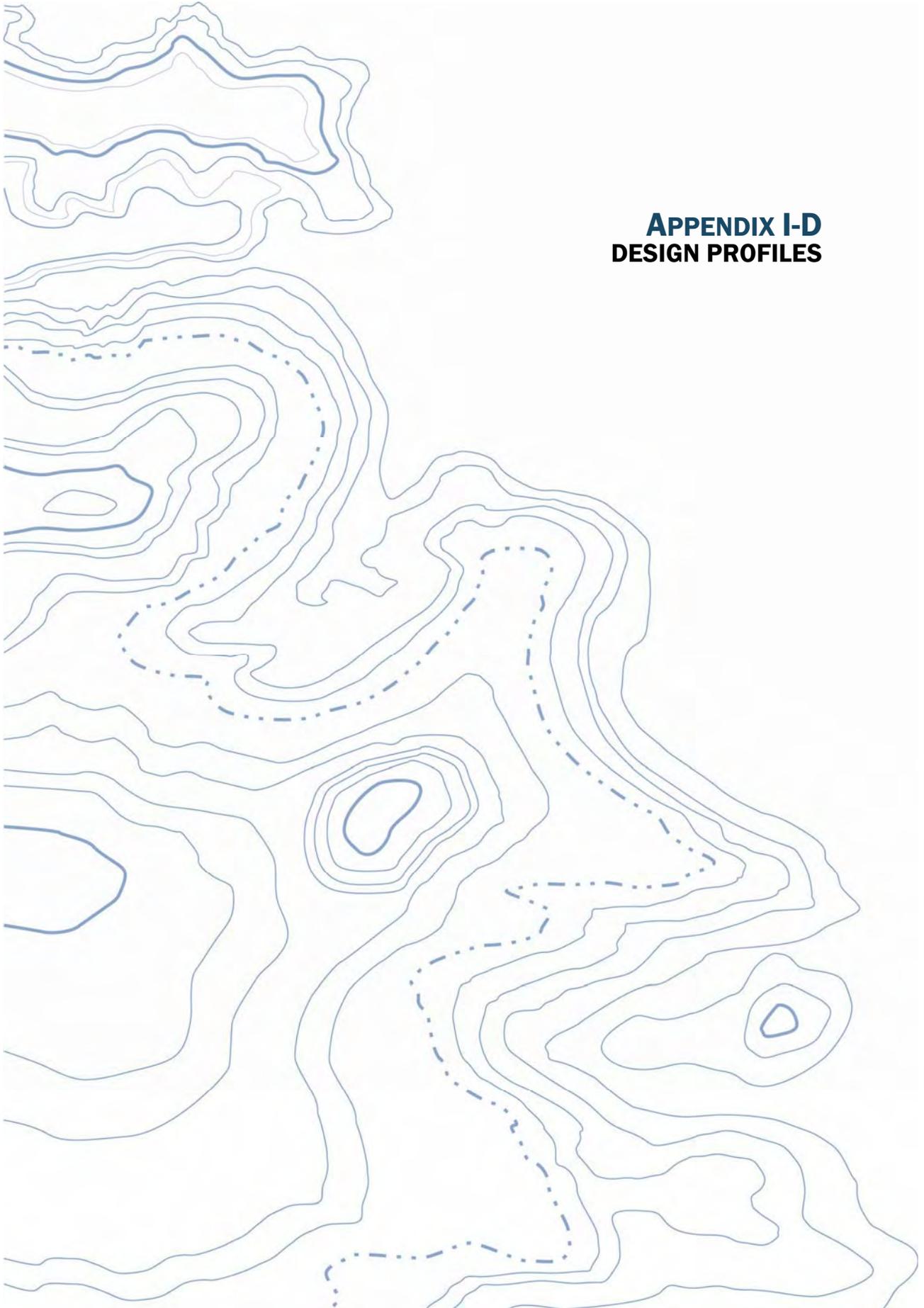
PROJECT NUMBER 16715-020-00

NOTES

Borehole	Top Depth	Soil Description	Moisture Content (%)	Wet Density (pcf)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plasticity Index	Compressive Strength TSF	Strain %	Start Pressure (KSF)	Failure	Test Type	Organic Content (%)	#200 Sieve	Alpha Angle	Comments
B-19	47	Very soft gray clay with organic matter	66	111.1	66.9	59	28	31	0.08	15		Yield	UC				
B-19	52	Soft gray clay with organic matter	56	110.4	70.6				0.37	14		MS	UC				
B-20		Zero (0) feet top of deck															
B-20		Water surface at EL +0.77 feet															
B-20		Mudline at EL -5.23 feet															
B-20	8	Very soft gray peat	181	73.4	26.1	218	44	175	0.10	13	0.58	MS	UU				
B-20	10	Very soft gray organic clay with organic matter	119	88.3	40.4				0.08	15	0.17	Yield	UU				
B-20	12	Gray organic clay with organic matter	104			117	36	80									
B-20	14	Very soft gray organic clay with organic matter and silt	95	89.4	46.0				0.08	11	0.40	MS	UU				
B-20	16	Very soft gray organic clay (Field Vane Strength = 0.025 KSF)	133		38.0	106	30	76	0.09	10	0.52						
B-20	18	Very soft dark gray organic clay	138			183	38	145									
B-20	20	Very soft gray organic clay with organic matter	208	82.4	26.7				0.08	11		MS	UC				
B-20	22	Very soft dark gray organic clay	235	83.8	25.0	131	38	92	0.04	15		Yield	UC				
B-20	24	Very soft gray organic clay	150	81.5	32.6				0.05	15		Yield	UC				
B-20	26	Very soft dark gray organic clay (Field Vane	249	88.5	25.3	208	50	158	0.05	10		MS	UC				

PRELIMINARY

**APPENDIX I-D
DESIGN PROFILES**



VT : J.L.H

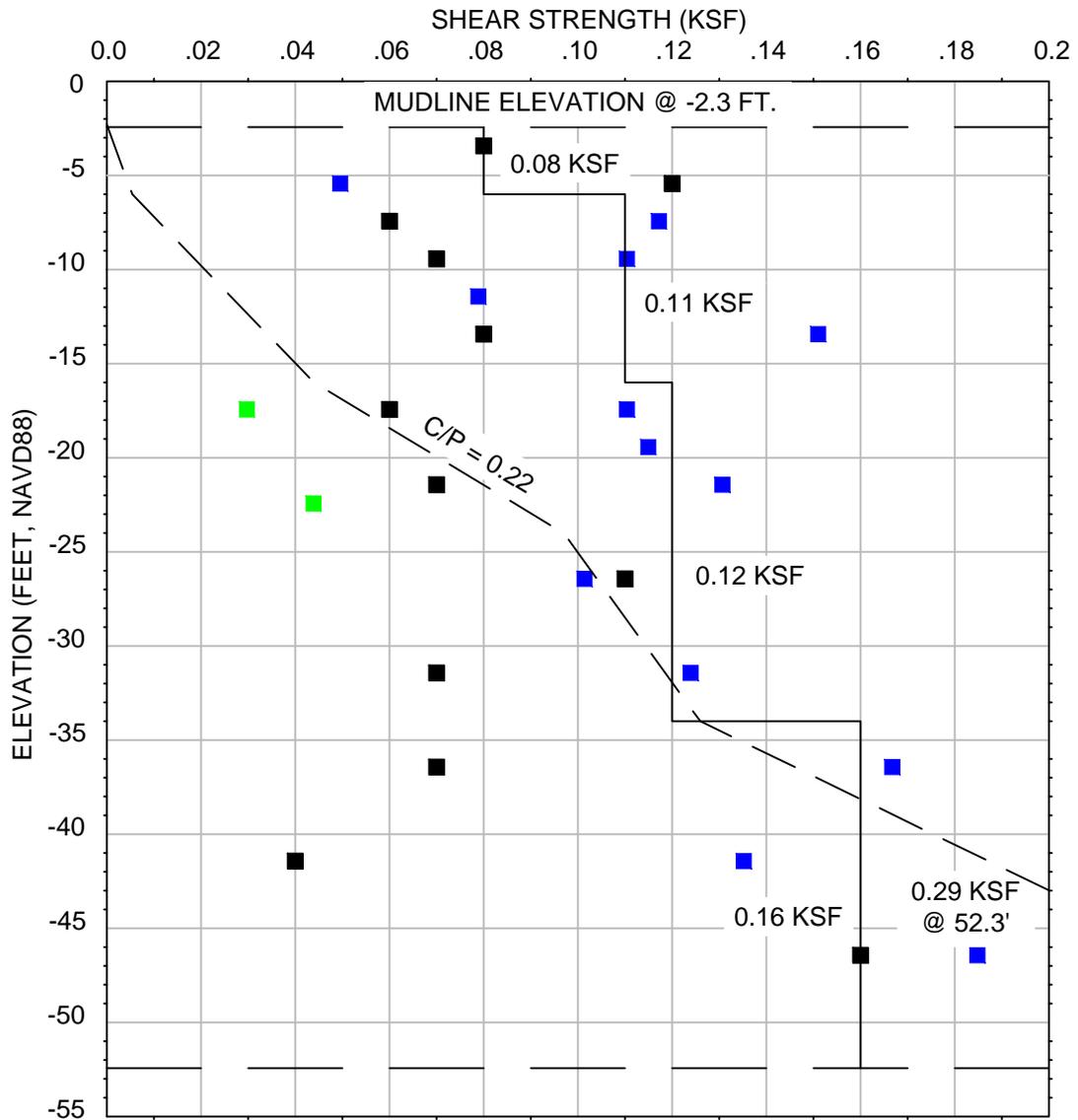
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ELEVATION (FEET, NAVD88)	SOIL DESCRIPTION	SHEAR STRENGTH	TOTAL UNIT WEIGHT	MOISTURE CONTENT	FRICITION ANGLE
	MUDLINE ELEVATION @ -2.3 FT.				
-5	PT	C = 80 PSF	$\gamma = 69$ PCF	M = 270%	$\phi = 0$
-10	OH	C = 110 PSF	$\gamma = 80$ PCF	M = 160%	$\phi = 0$
-20	CH	C = 120 PSF	$\gamma = 93$ PCF	M = 100%	$\phi = 0$
-30	OH	C = 120 PSF	$\gamma = 75$ PCF	M = 100%	$\phi = 0$
-45	CH	C = 160 PSF	$\gamma = 100$ PCF	M = 50%	$\phi = 0$

SOIL SUMMARY	
B-1	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D1a

VT: J.L.H

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STRENGTH TEST
 ■ B-1

LEGEND

■ MINIVANE
 ■ B-1

■ FIELD VANE
 ■ B-1

**SHEAR STRENGTH VS ELEVATION
 B-1**

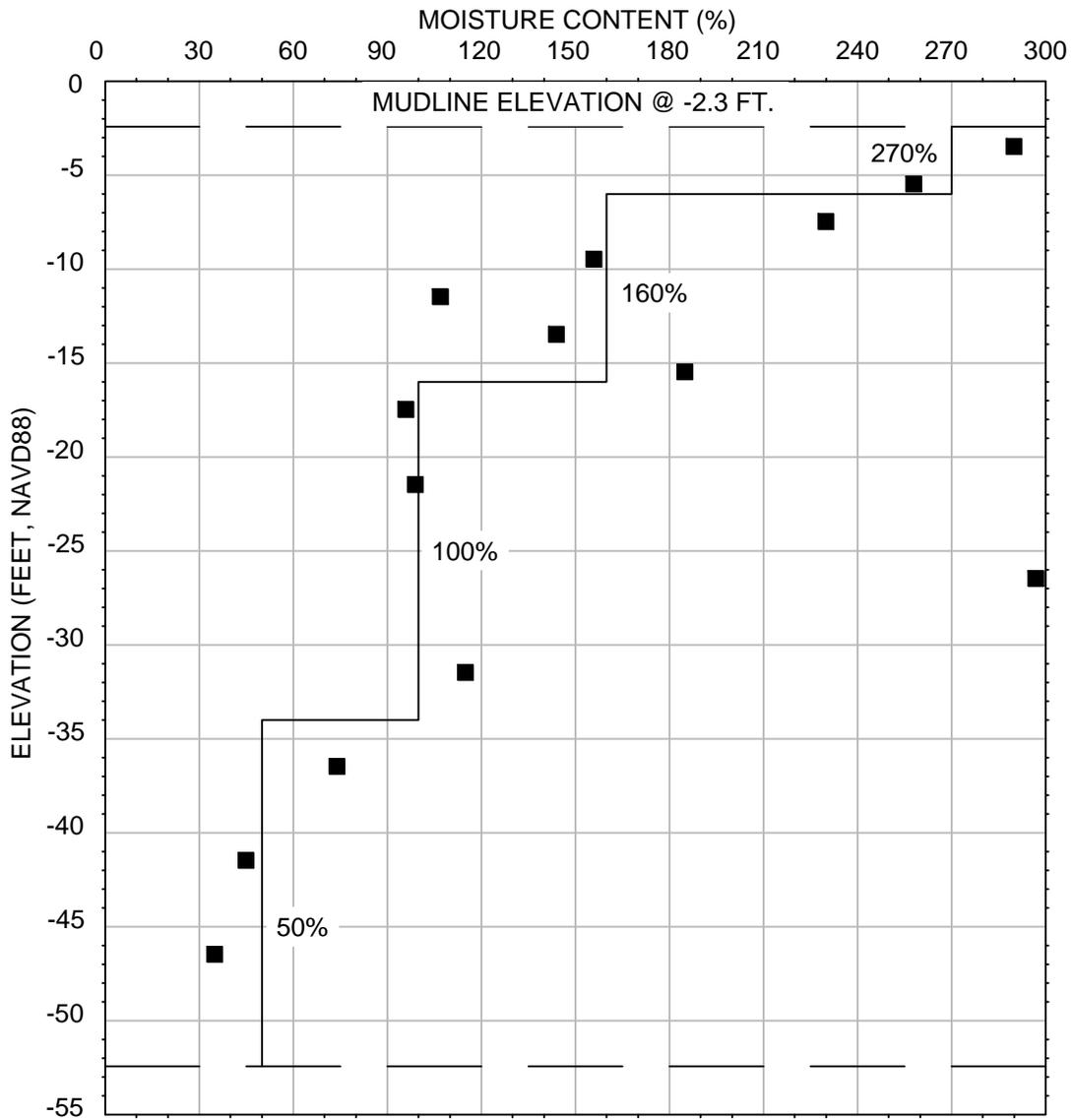
Lost Lake Marsh Creation and Hydrologic
 Restoration Project (TE-72)
 Terrebonne Parish, Louisiana



**Figure
 I-D1b**

VT : JLH

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LEGEND

■ B-1

**MOISTURE CONTENT VS ELEVATION
B-1**

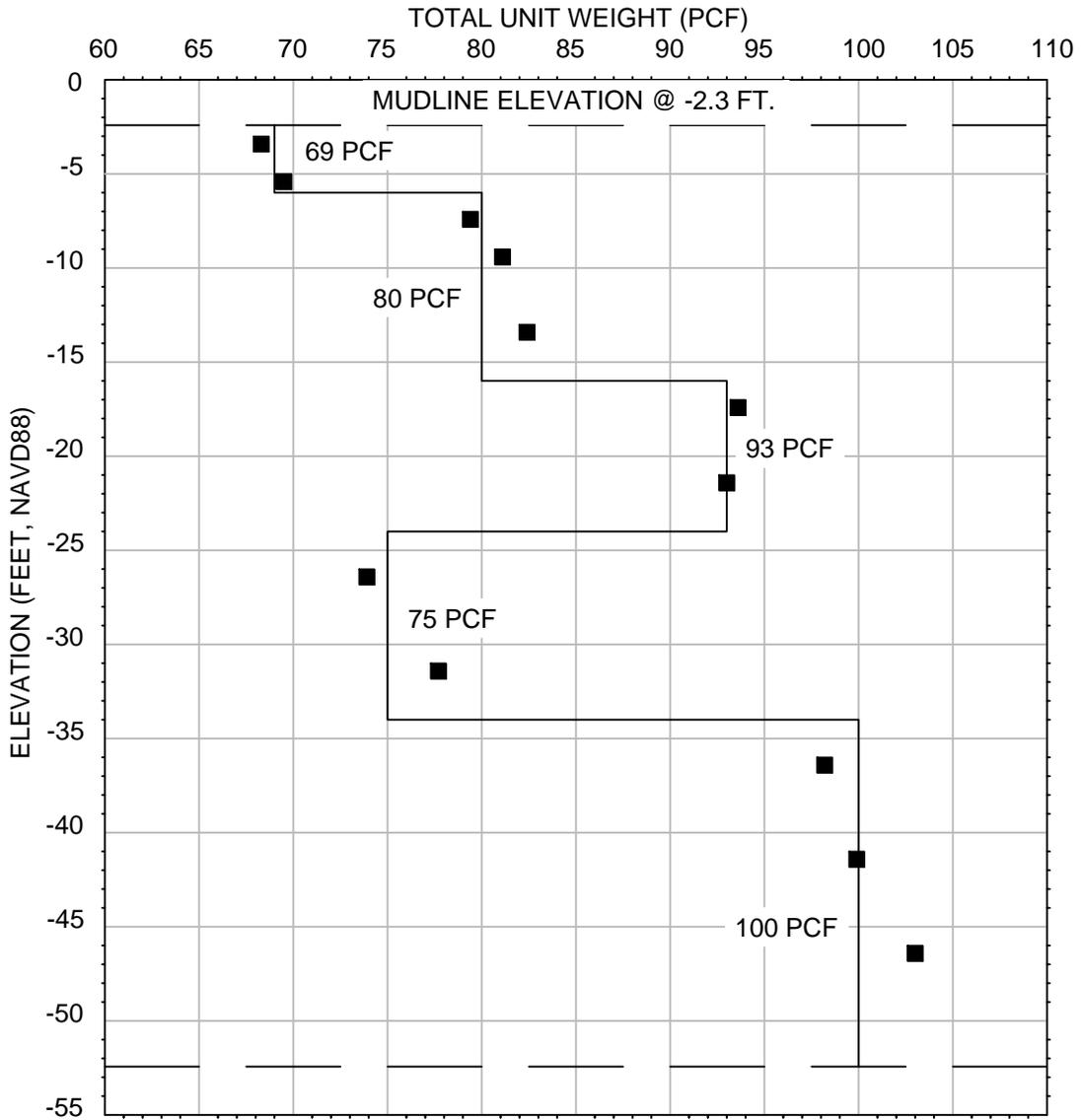
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D1c

VT: J.L.H

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LEGEND

■ B-1

**TOTAL UNIT WEIGHT VS ELEVATION
B-1**

Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D1d

VT : JLH

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ELEVATION (FEET, NAVD88)	SOIL DESCRIPTION	SHEAR STRENGTH	TOTAL UNIT WEIGHT	MOISTURE CONTENT	FRICITION ANGLE
		MUDLINE ELEVATION @ -3.56 FT.			
-5	OH	C = 100 PSF	$\gamma = 83$ PCF	M = 200%	$\phi = 0$
-15	OH	C = 140 PSF	$\gamma = 90$ PCF	M = 100%	$\phi = 0$
-25	OH	C = 180 PSF	$\gamma = 90$ PCF	M = 100%	$\phi = 0$
-30	CH	C = 180 PSF	$\gamma = 110$ PCF	M = 40%	$\phi = 0$
-35	SAND	C = 0 PSF	$\gamma = 110$ PCF	M = 40%	$\phi = 25^\circ$
-40	CH	C = 200 PSF	$\gamma = 110$ PCF	M = 40%	$\phi = 0$
-45	CL-ML	C = 0 PSF	$\gamma = 110$ PCF	M = 40%	$\phi = 20^\circ$
-50	CH	C = 180 PSF	$\gamma = 110$ PCF	M = 40%	$\phi = 0$

**SOIL SUMMARY
B-2**

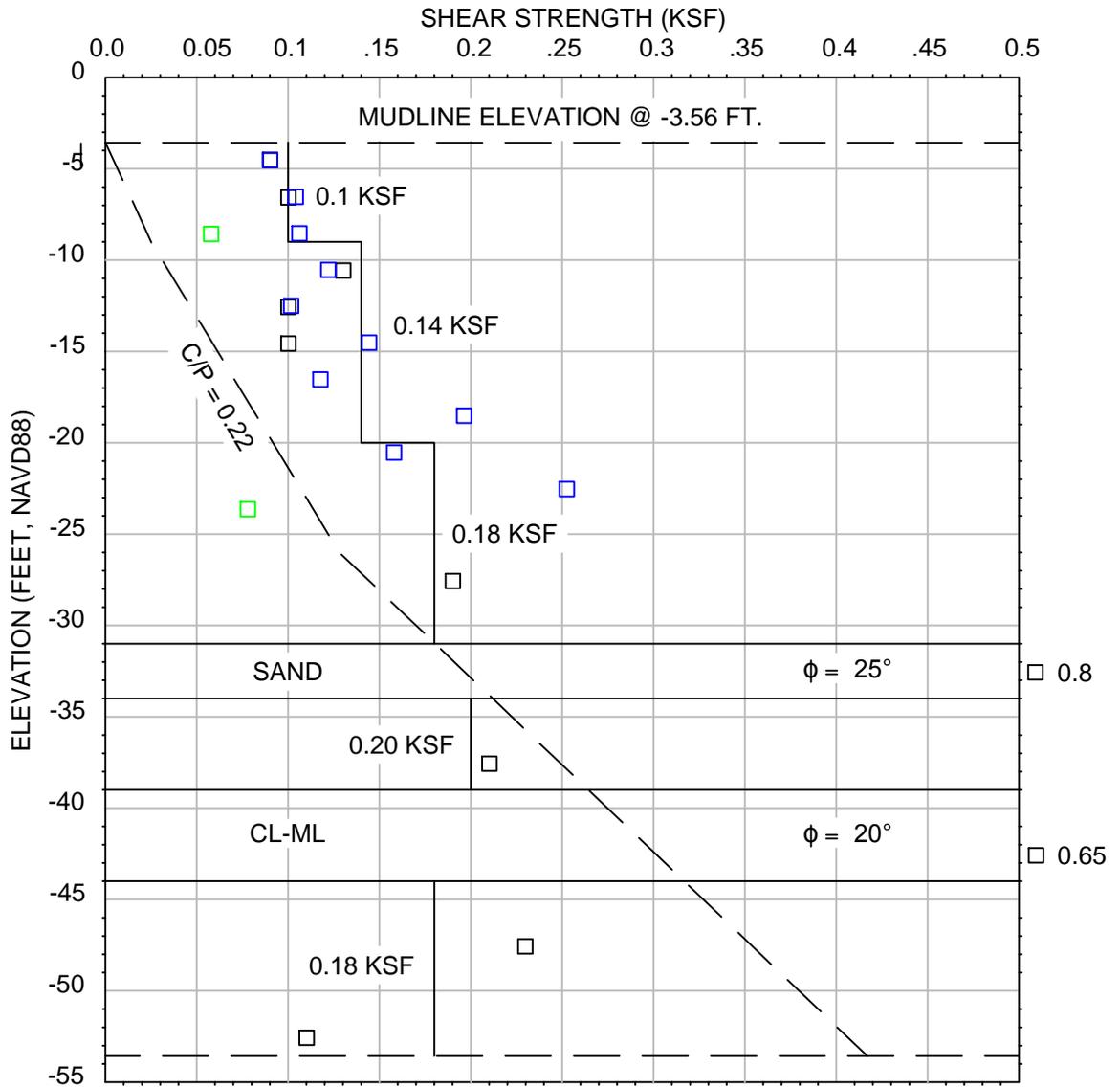
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



**Figure
I-D2a**

VT : JLH

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STRENGTH TEST
 □ B-2

LEGEND

MINIVANE
 □ B-2

FIELD VANE
 □ B-2

**SHEAR STRENGTH VS ELEVATION
 B-2**

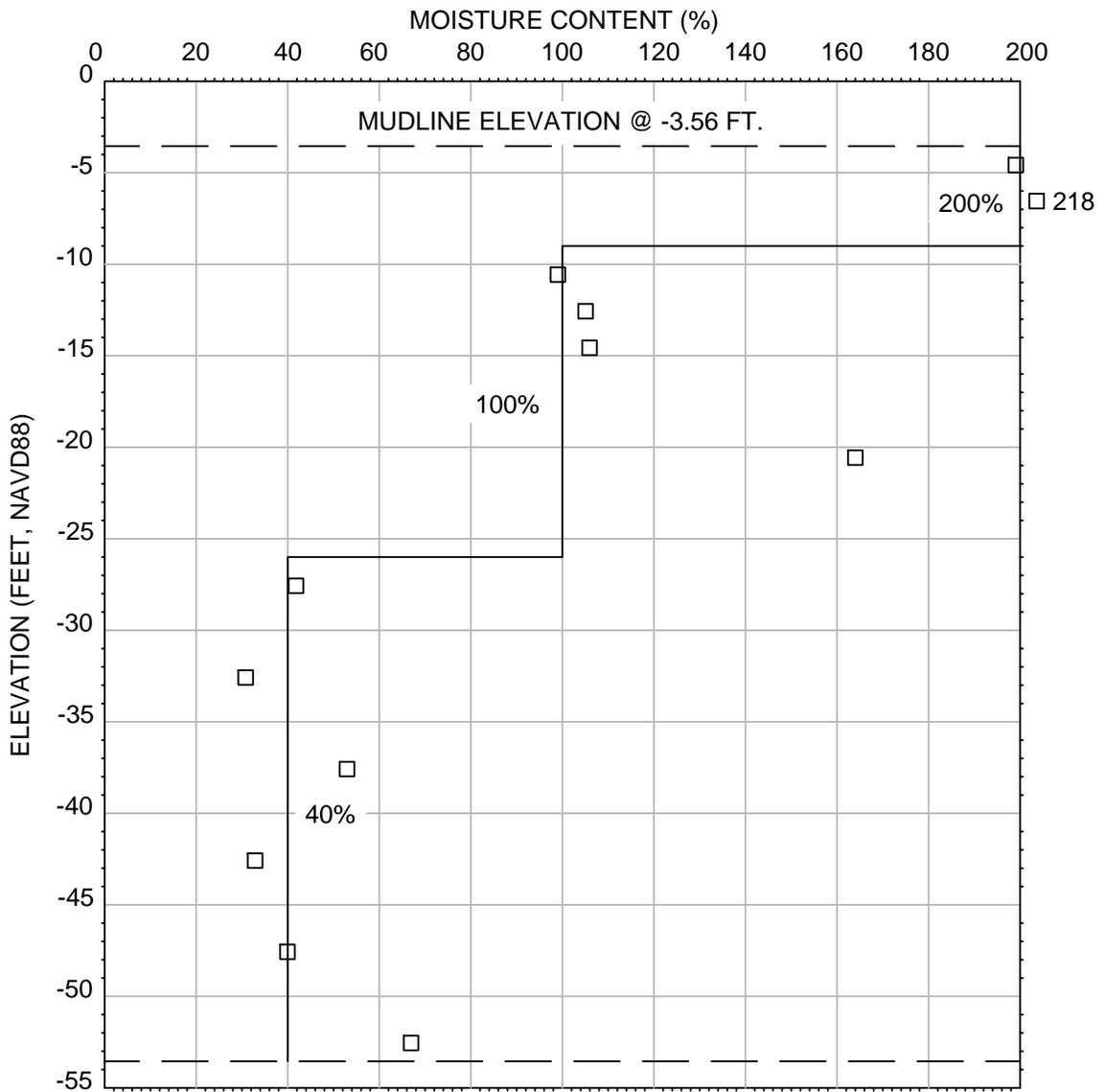
Lost Lake Marsh Creation and Hydrologic
 Restoration Project (TE-72)
 Terrebonne Parish, Louisiana



**Figure
 I-D2b**

VT : JLH

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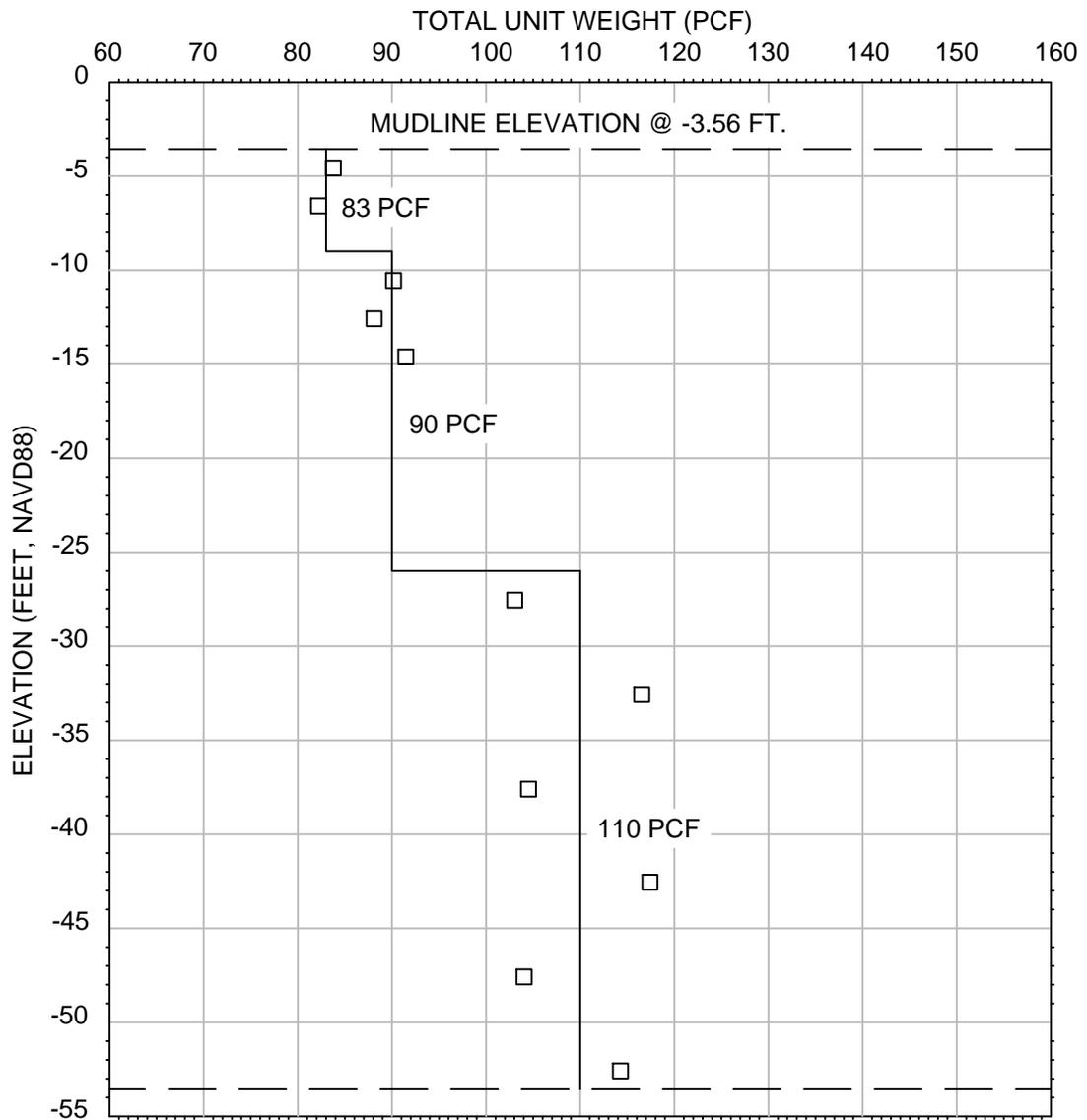
LEGEND

□ B-2

MOISTURE CONTENT VS ELEVATION B-2	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D2c

VT : J.L.H

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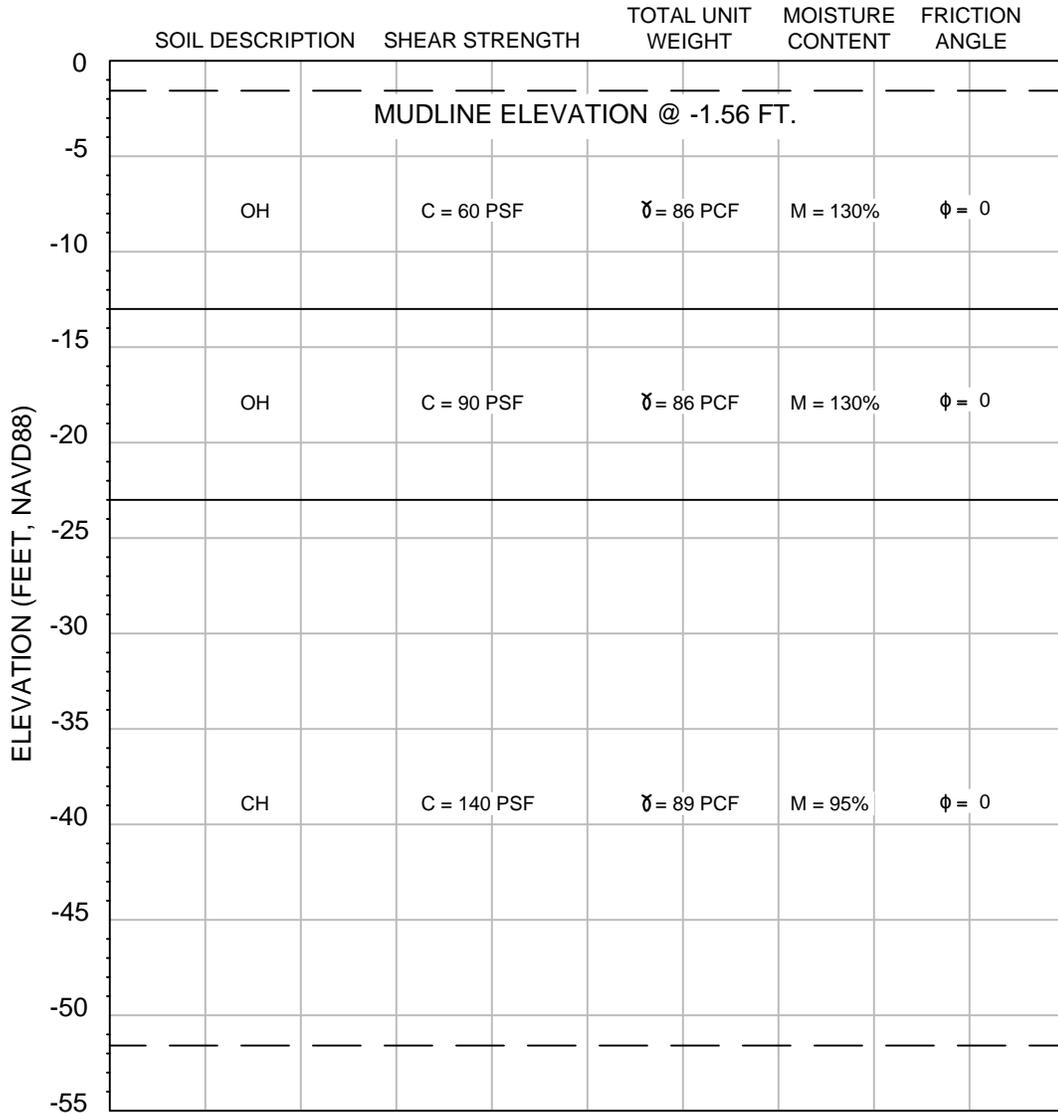
LEGEND

□ B-2

TOTAL UNIT WEIGHT VS ELEVATION B-2	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D2d

VT : J.L.H

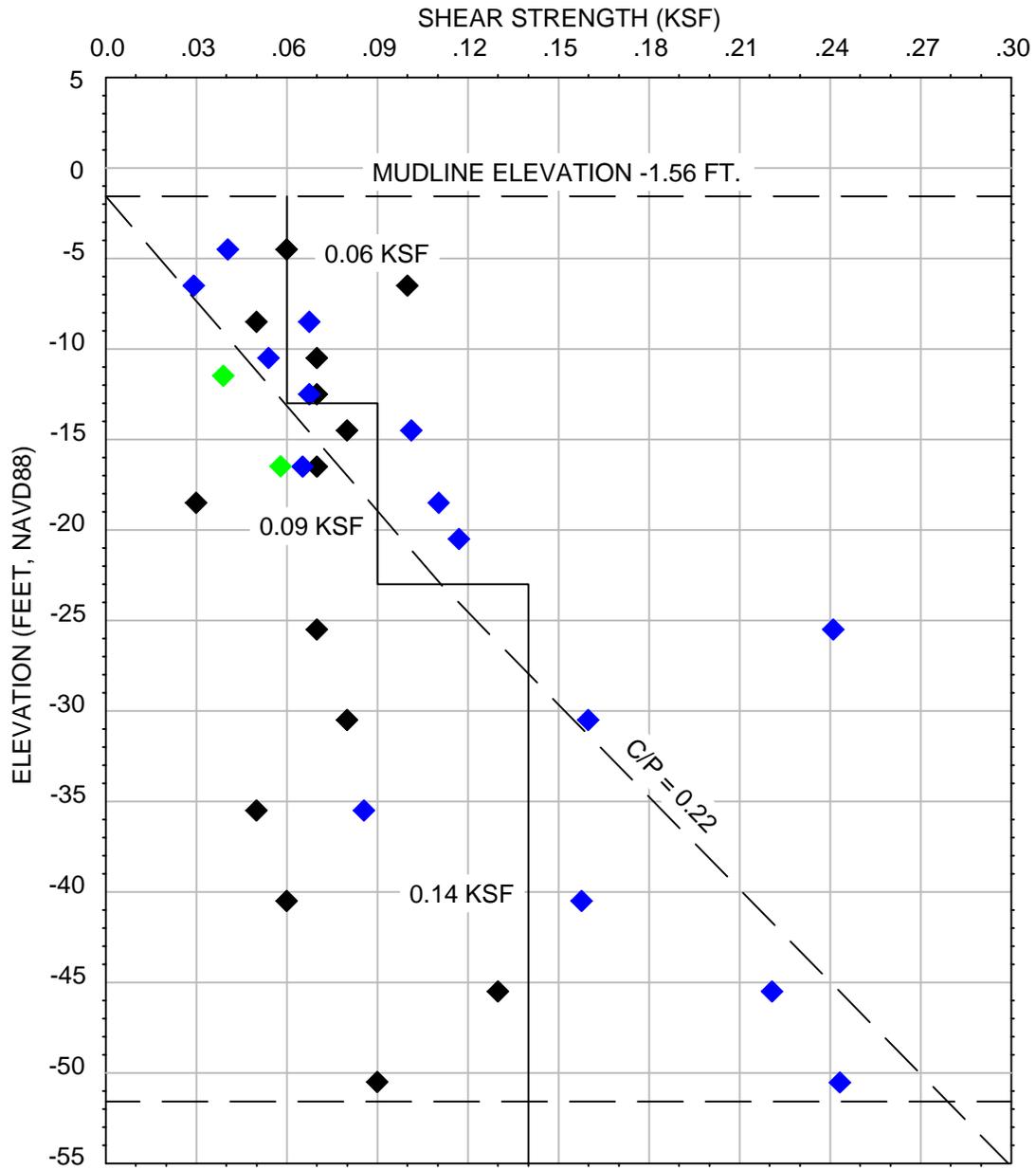
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SOIL SUMMARY	
B-3	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D3a

VT:JLH

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STRENGTH TEST
◆ B-3

LEGEND

MINIVANE

◆ B-3

FIELD VANE

◆ B-3

**SHEAR STRENGTH VS ELEVATION
B-3**

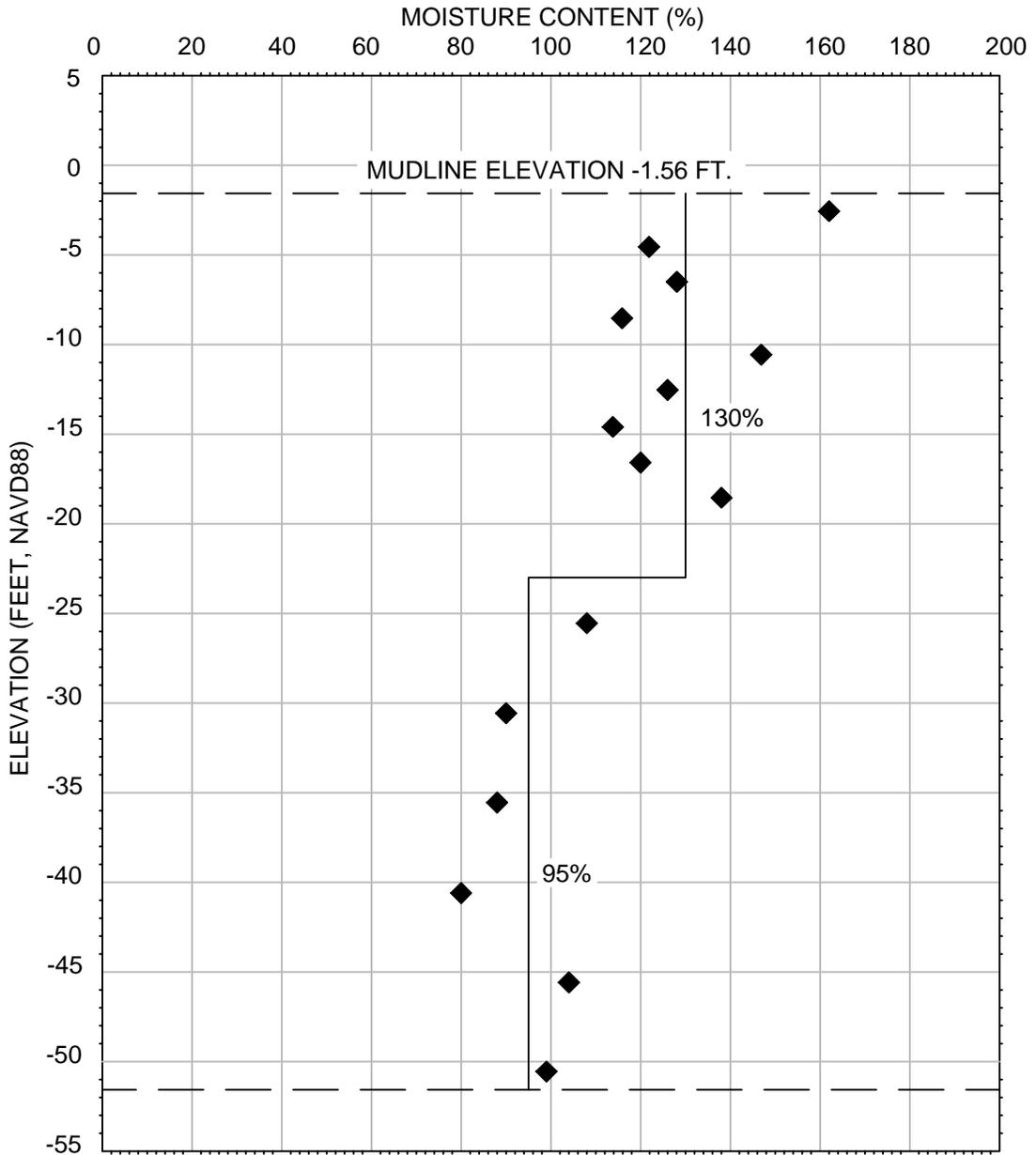
Lost Lake Marsh Creation and Hydrologic
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Terrebonne Parish, Louisiana

GEOENGINEERS 

**Figure
I-D3b**

VT: JLH

P:\16116715020\00\CAD\B-3.dwg\TAB\MCI modified on Aug 03, 2011 - 10:27am



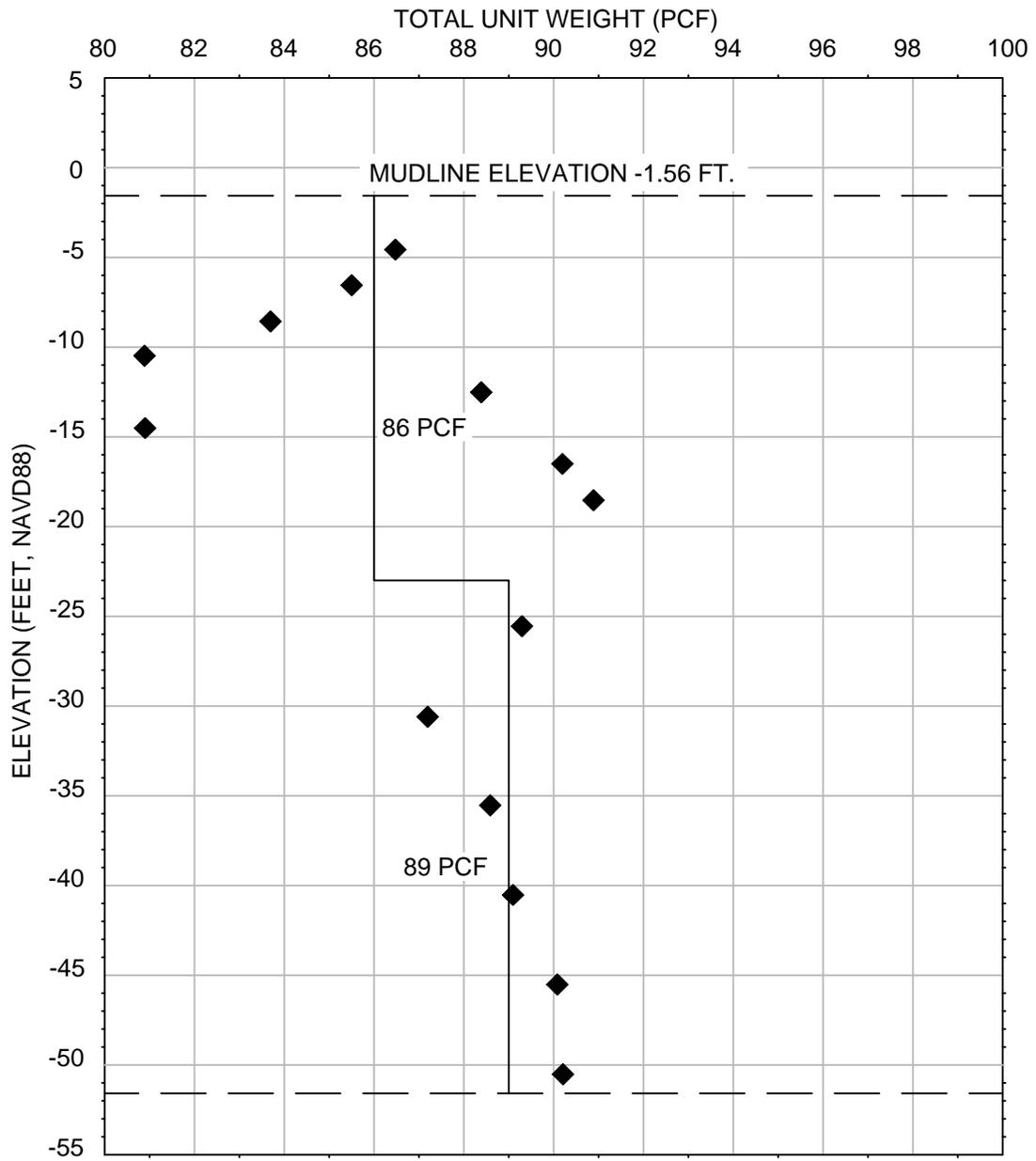
LEGEND

◆ B-3

MOISTURE CONTENT VS ELEVATION B-3	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D3c

VT:JLH

P:\16116715020\00\CAD\B-3.dwg\TAB:TWU1 modified on Aug 03, 2011 - 10:27am



LEGEND

◆ B-3

**TOTAL UNIT WEIGHT VS ELEVATION
B-3**

Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D3d

VT : J.L.H

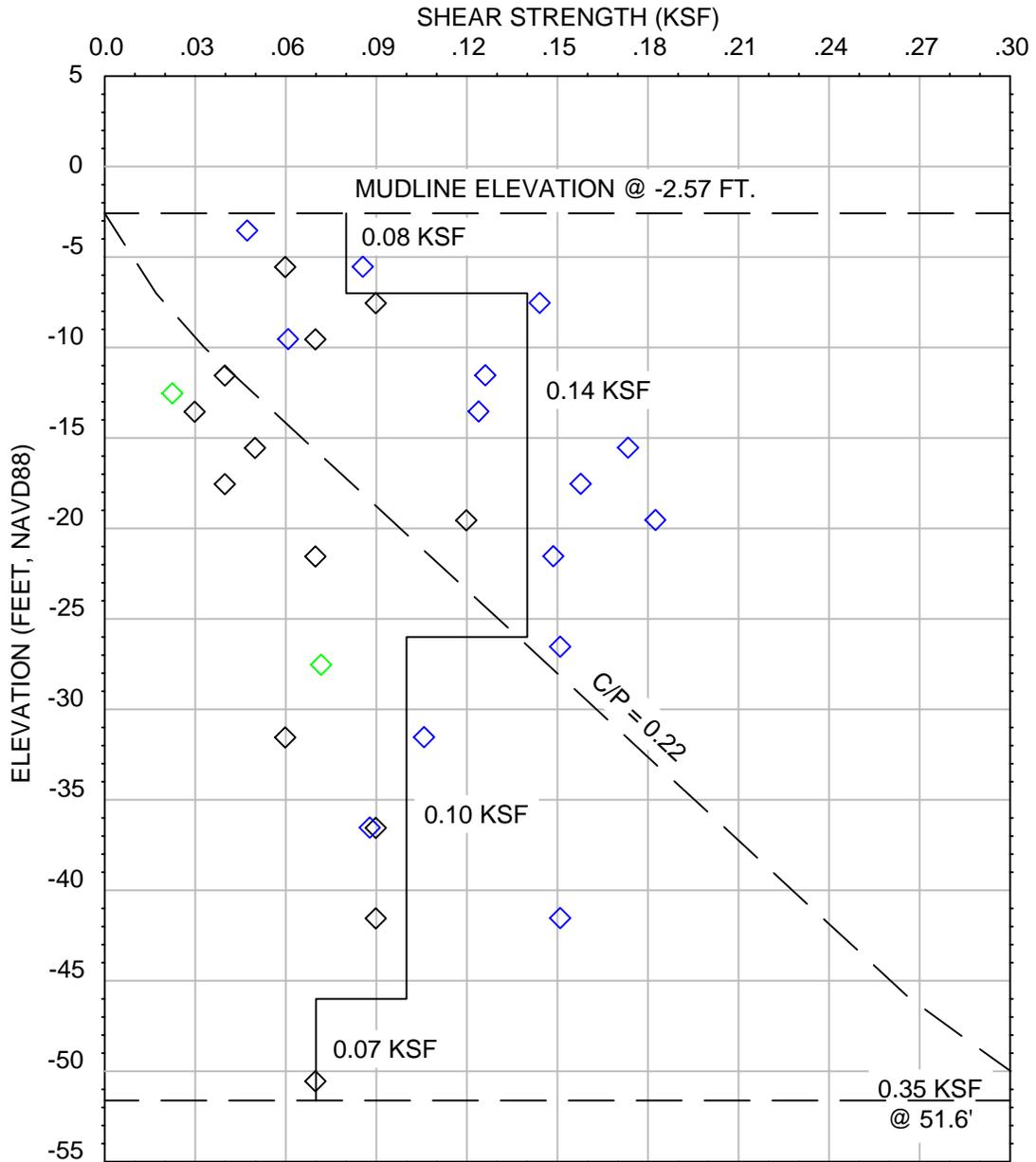
P:\16\16715020\00\CAD\B-4.dwg\TAB:Soil summary modified on Aug 03, 2011 - 10:37am

ELEVATION (FEET, NAVD88)	SOIL DESCRIPTION	SHEAR STRENGTH	TOTAL UNIT WEIGHT	MOISTURE CONTENT	FRICTION ANGLE
5					
0	MUDLINE ELEVATION @ -2.57 FT.				
-5	OH	C = 80 PSF	$\gamma = 80$ PCF	M = 170%	$\phi = 0$
-10	OH	C = 140 PSF	$\gamma = 86$ PCF	M = 125%	$\phi = 0$
-15					
-20	OH	C = 140 PSF	$\gamma = 92$ PCF	M = 125%	$\phi = 0$
-25					
-30					
-35	CH	C = 100 PSF	$\gamma = 92$ PCF	M = 95%	$\phi = 0$
-40					
-45					
-50	CL	C = 70 PSF	$\gamma = 100$ PCF	M = 33%	$\phi = 0$
-55					

SOIL SUMMARY	
B-4	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D4a

VT: J.L.H

P:\16116715020\00\CAD\B-4.dwg\TAB:SS4 modified on Aug 03, 2011 - 10:37am



STRENGTH TEST
 ◇ B-4

LEGEND

MINIVANE
 ◇ B-4

FIELD VANE
 ◇ B-4

**SHEAR STRENGTH VS ELEVATION
 B-4**

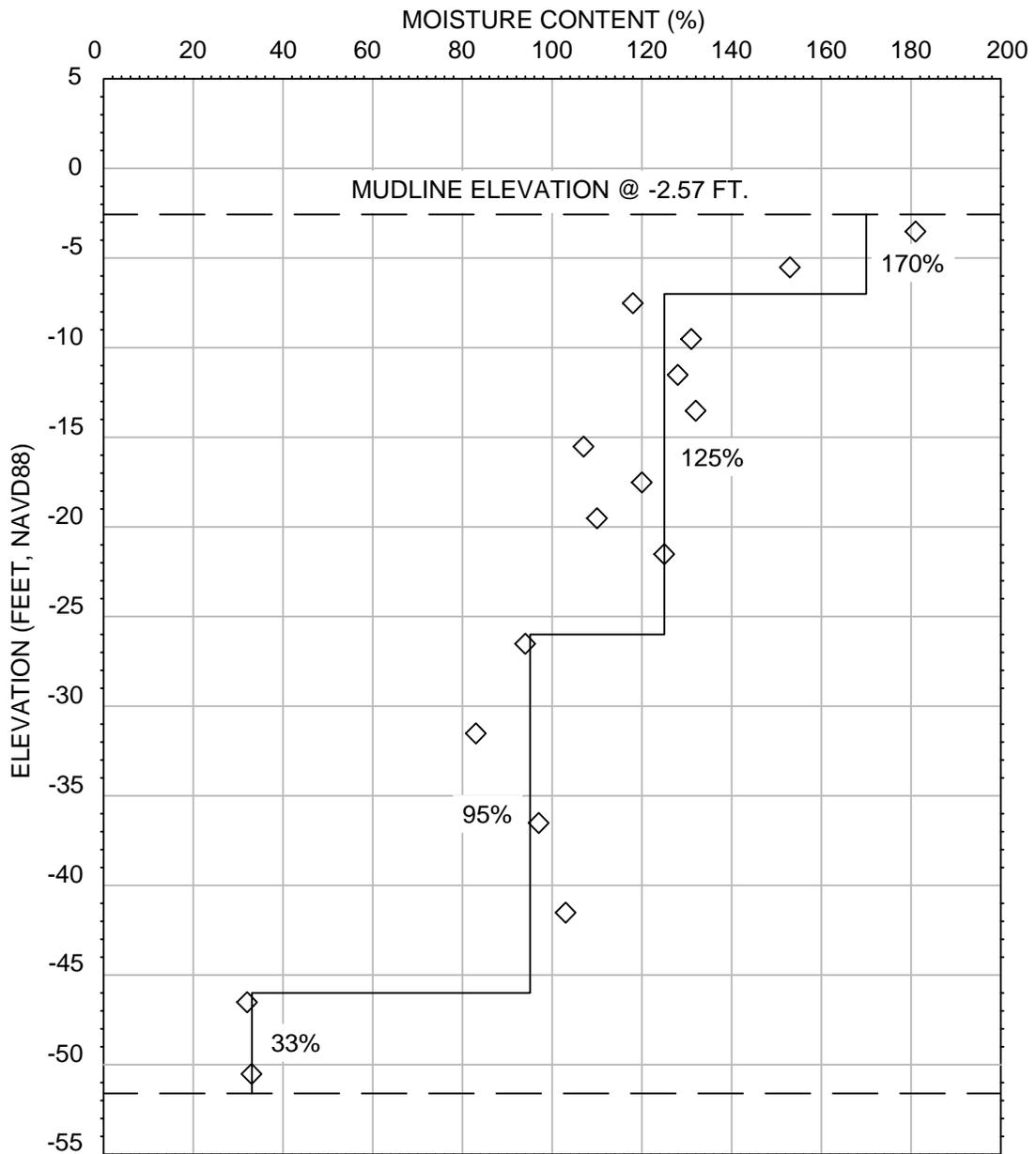
Lost Lake Marsh Creation and Hydrologic
 Restoration Project (TE-72)
 Terrebonne Parish, Louisiana



**Figure
 I-D4b**

VT : JLH

P:\16116715020\00\CAD\B-4.dwg\TAB\MCA4 modified on Aug 03, 2011 - 10:37am



LEGEND

◇ B-4

**MOISTURE CONTENT VS ELEVATION
B-4**

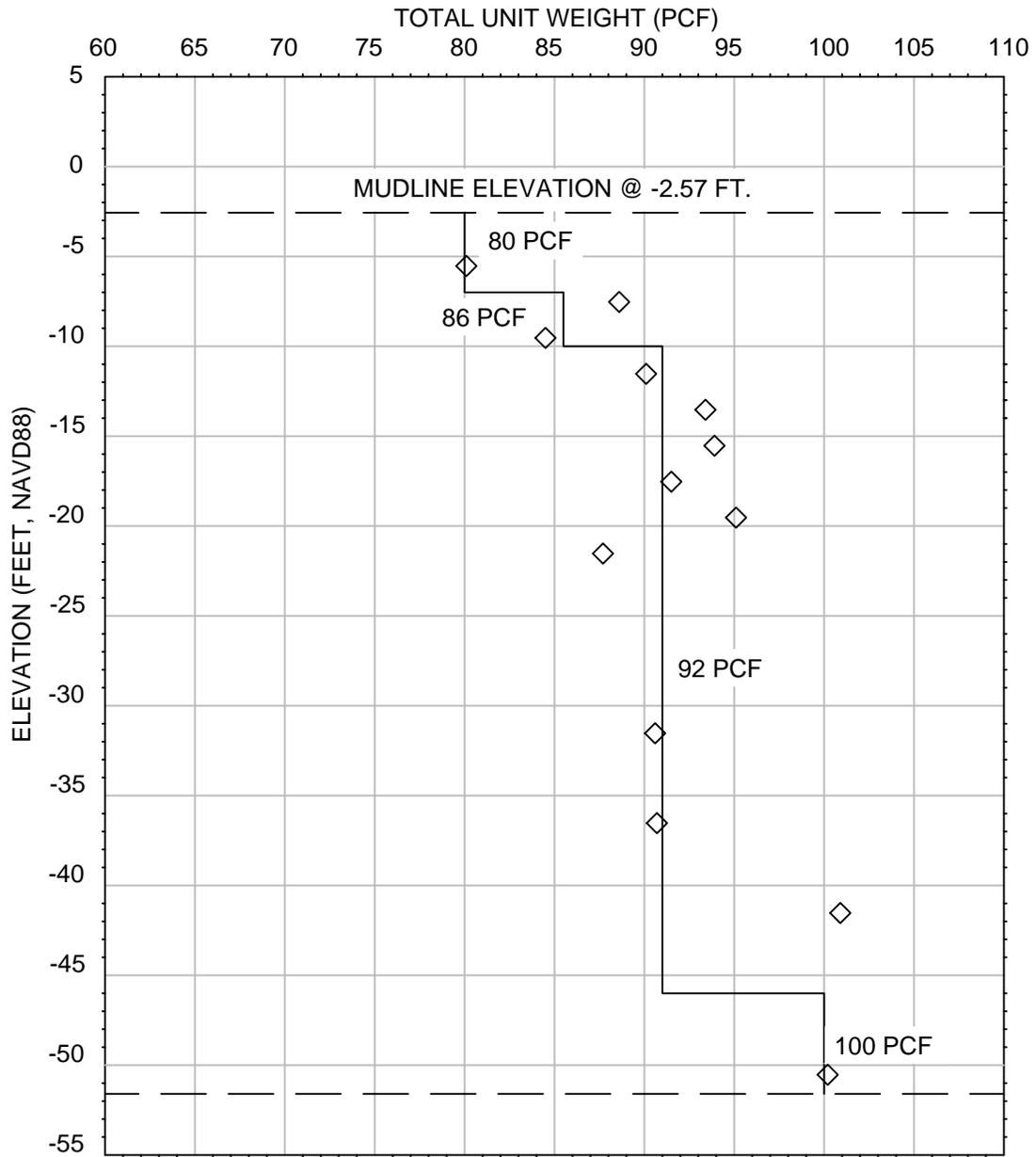
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



**Figure
I-D4c**

VT:JLH

P:\16116715020\00\CAD\B-4.dwg\TAB:TWU4 modified on Aug 03, 2011 - 10:37am



LEGEND

◇ B-4

TOTAL UNIT WEIGHT VS ELEVATION	
B-4	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D4d

VT : J.L.H

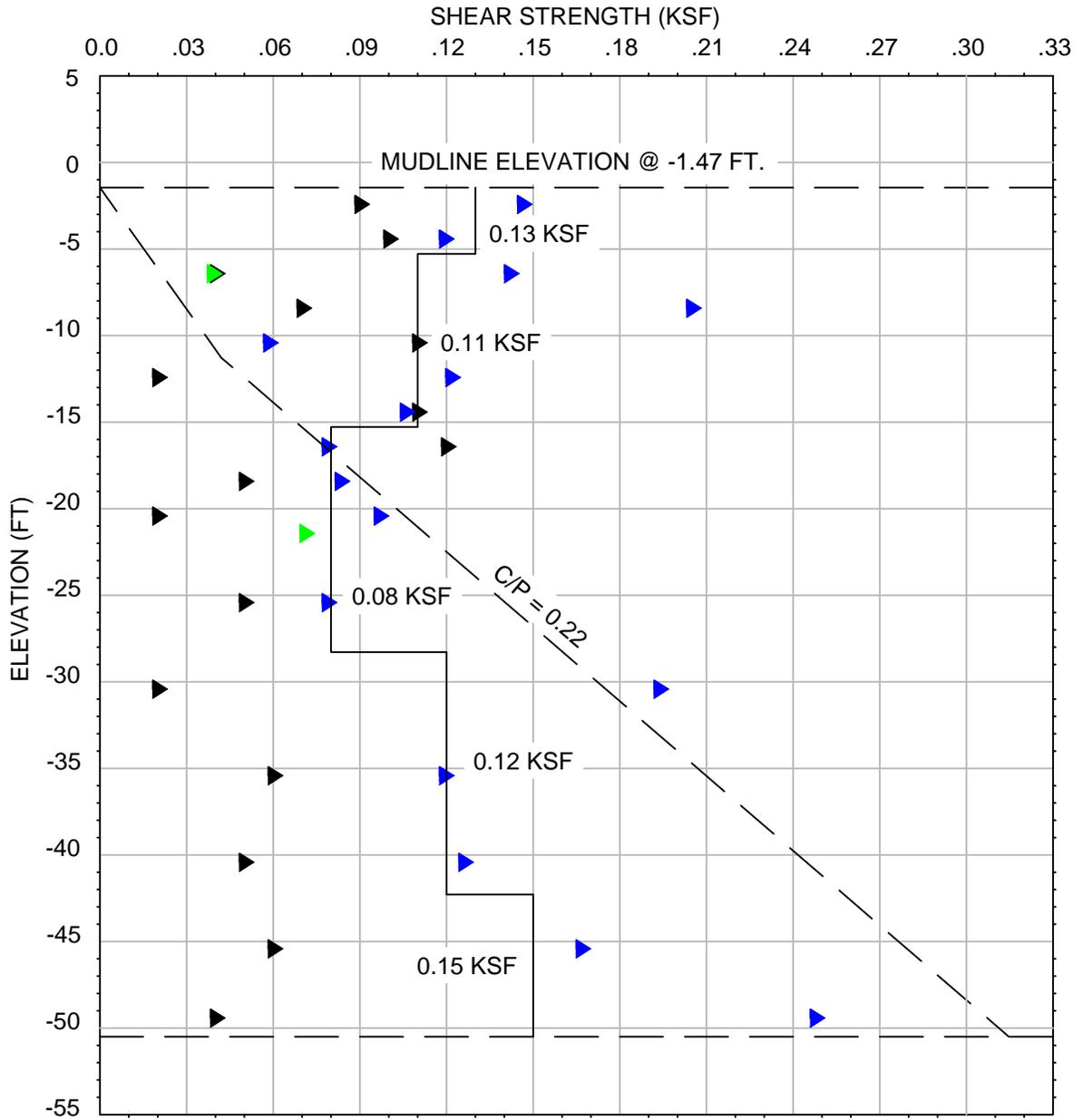
P:\16\16715020\00\CAD\B-5.dwg\TAB:Soil Summary modified on Aug 03, 2011 - 11:04am

ELEVATION (FT)	SOIL DESCRIPTION	SHEAR STRENGTH	TOTAL UNIT WEIGHT	MOISTURE CONTENT	FRICTION ANGLE
5					
0	MUDLINE ELEVATION @ -1.47 FT.				
-5	OH	C = 130 PSF	$\gamma = 82$ PCF	M = 150%	$\phi = 0$
-10	OH	C = 110 PSF	$\gamma = 82$ PCF	M = 250%	$\phi = 0$
-15	OH	C = 110 PSF	$\gamma = 94$ PCF	M = 128%	$\phi = 0$
-20	OH	C = 80 PSF	$\gamma = 94$ PCF	M = 128%	$\phi = 0$
-35	CH	C = 120 PSF	$\gamma = 94$ PCF	M = 88%	$\phi = 0$
-45	CH	C = 150 PSF	$\gamma = 94$ PCF	M = 73%	$\phi = 0$
-50					
-55					

SOIL SUMMARY	
B-5	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D5a

VT:JLH

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STRENGTH TEST
▶ B-5

LEGEND

MINIVANE

▶ B-5

FIELD VANE
▶ B-5

**SHEAR STRENGTH VS ELEVATION
B-5**

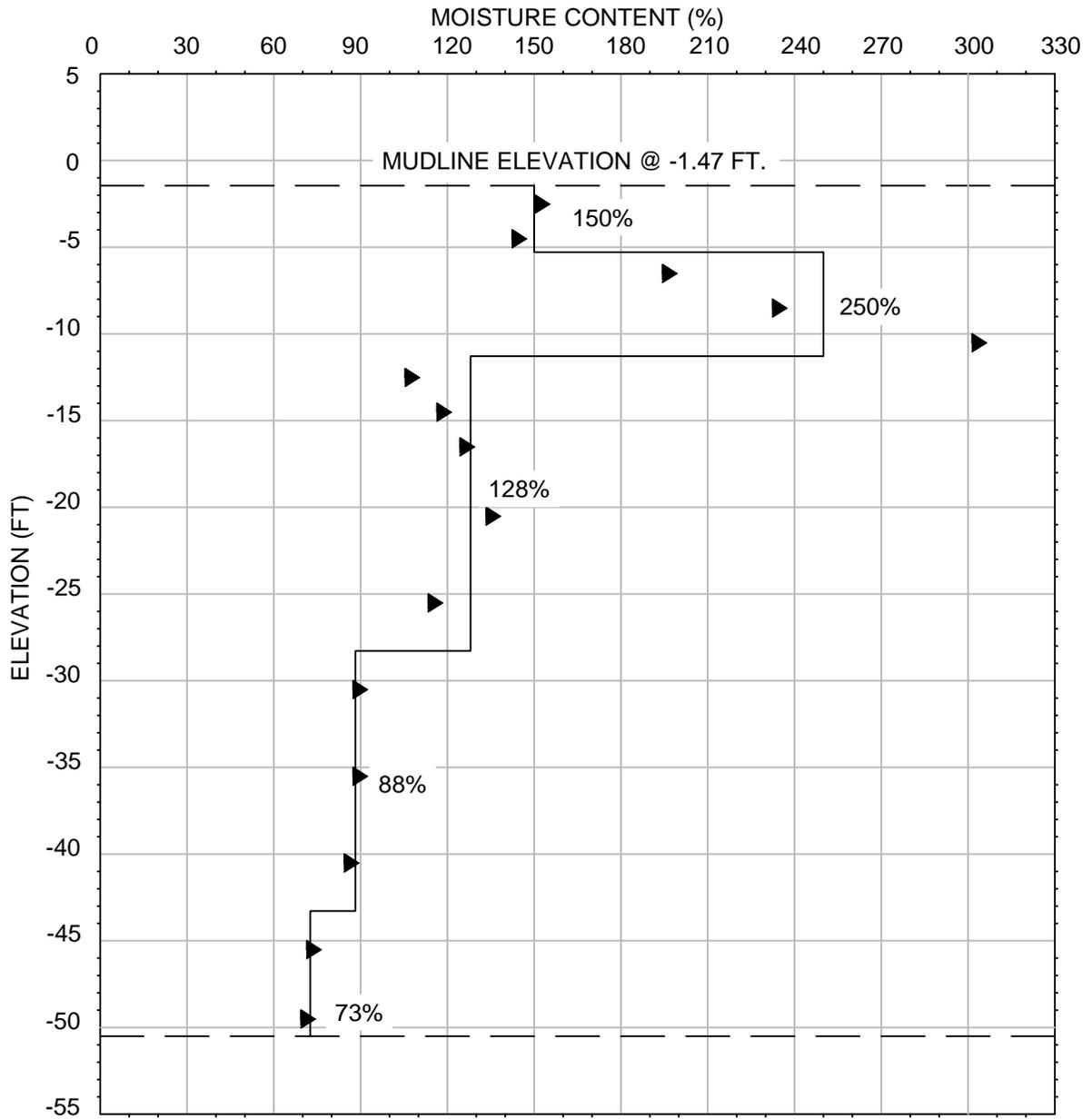
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana

GEOENGINEERS

Figure
I-D5b

VT : JLH

P:\16116715020\00\CAD\B-5.dwg\TAB\MCI modified on Aug 03, 2011 - 11:04am



LEGEND

▶ B-5

**MOISTURE CONTENT VS ELEVATION
B-5**

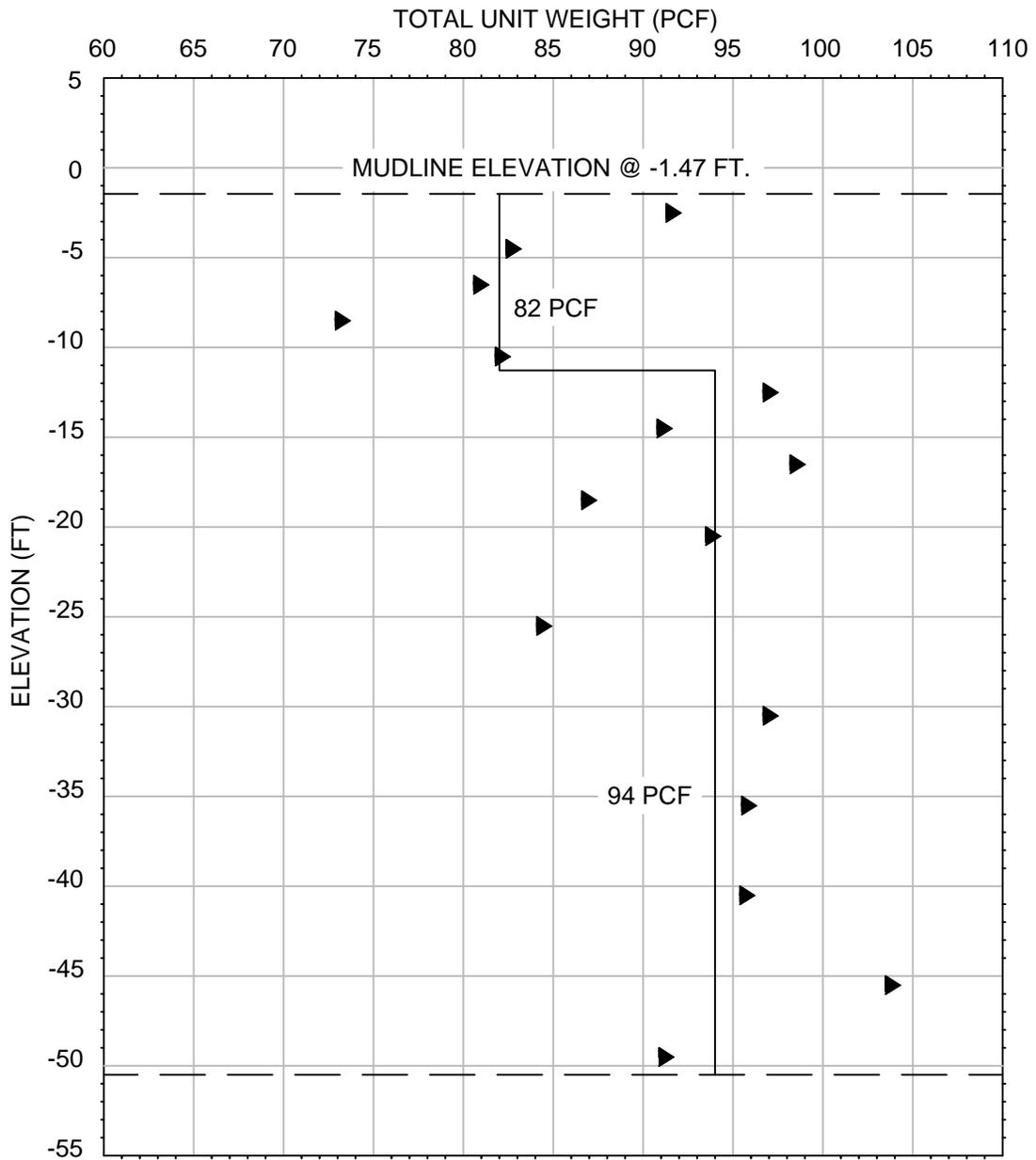
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



**Figure
I-D5c**

VT:JLH

P:\16116715020\00\CAD\B-5.dwg\TAB:TWU1 modified on Aug 03, 2011 - 11:04am



LEGEND

▶ B-5

**TOTAL UNIT WEIGHT VS ELEVATION
B-5**

Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D5d

VT : J.L.H

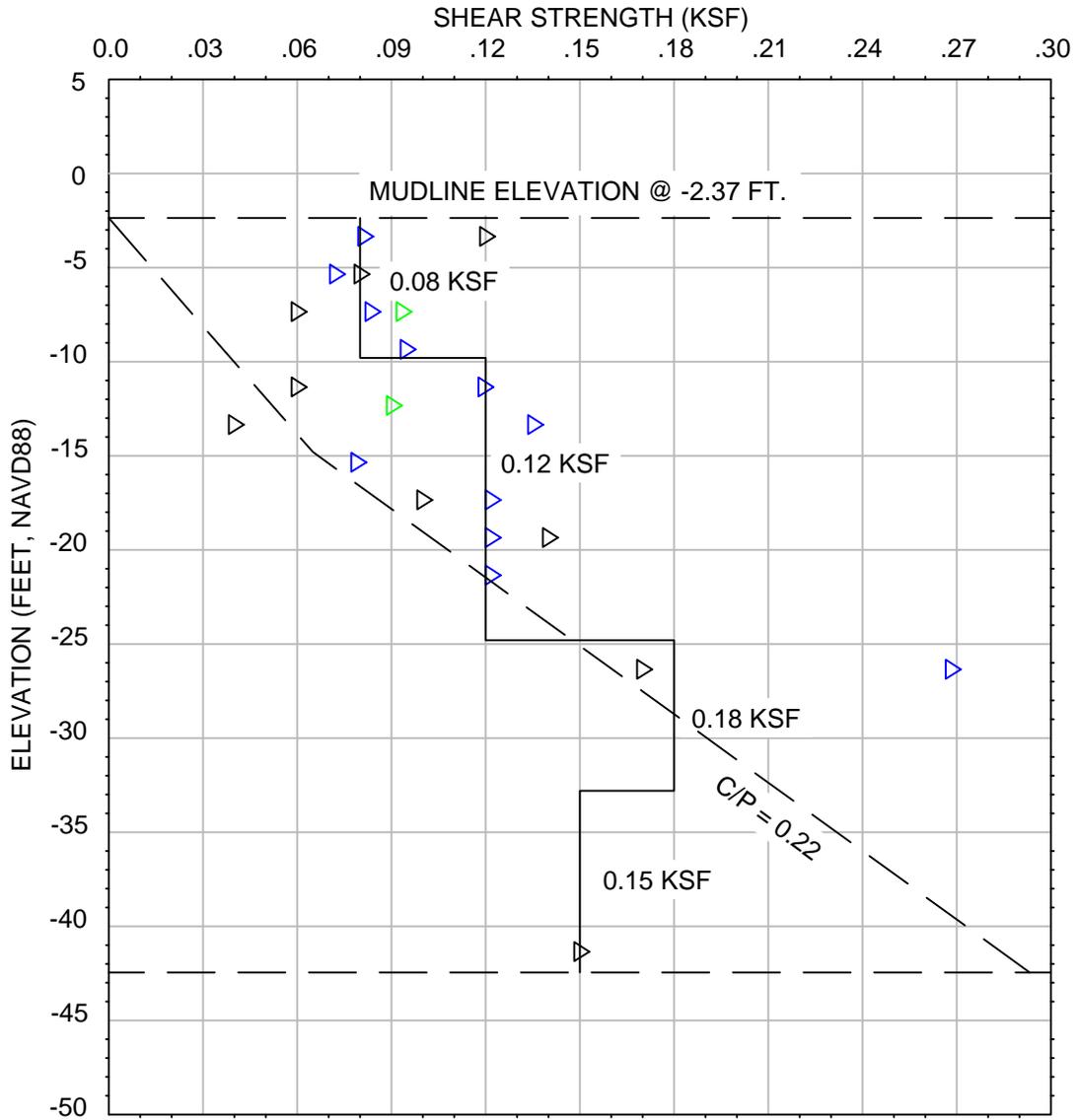
P:\16\16715020\00\CAD\B-7.dwg\TAB:Soil Summary modified on Aug 03, 2011 - 1:48pm

ELEVATION (FEET, NAVD88)	SOIL DESCRIPTION	SHEAR STRENGTH	TOTAL UNIT WEIGHT	MOISTURE CONTENT	FRICTION ANGLE
5					
0	MUDLINE ELEVATION @ -2.37 FT.				
-5					
-10	OH	C = 80 PSF	$\gamma = 86$ PCF	M = 136%	$\phi = 0$
-15	OH	C = 120 PSF	$\gamma = 86$ PCF	M = 136%	$\phi = 0$
-20	CH	C = 120 PSF	$\gamma = 100$ PCF	M = 90%	$\phi = 0$
-25					
-30	CH	C = 180 PSF	$\gamma = 100$ PCF	M = 64%	$\phi = 0$
-35	OH	C = 150 PSF	$\gamma = 100$ PCF	M = 158%	$\phi = 0$
-40	CH	C = 150 PSF	$\gamma = 100$ PCF	M = 67%	$\phi = 0$
-45					
-50					

SOIL SUMMARY	
B-7	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
	Figure I-D6a

VT : JLH

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STRENGTH TEST
▷ B-7

LEGEND

MINIVANE
▷ B-7

FIELD VANE
▷ B-7

**SHEAR STRENGTH VS ELEVATION
B-7**

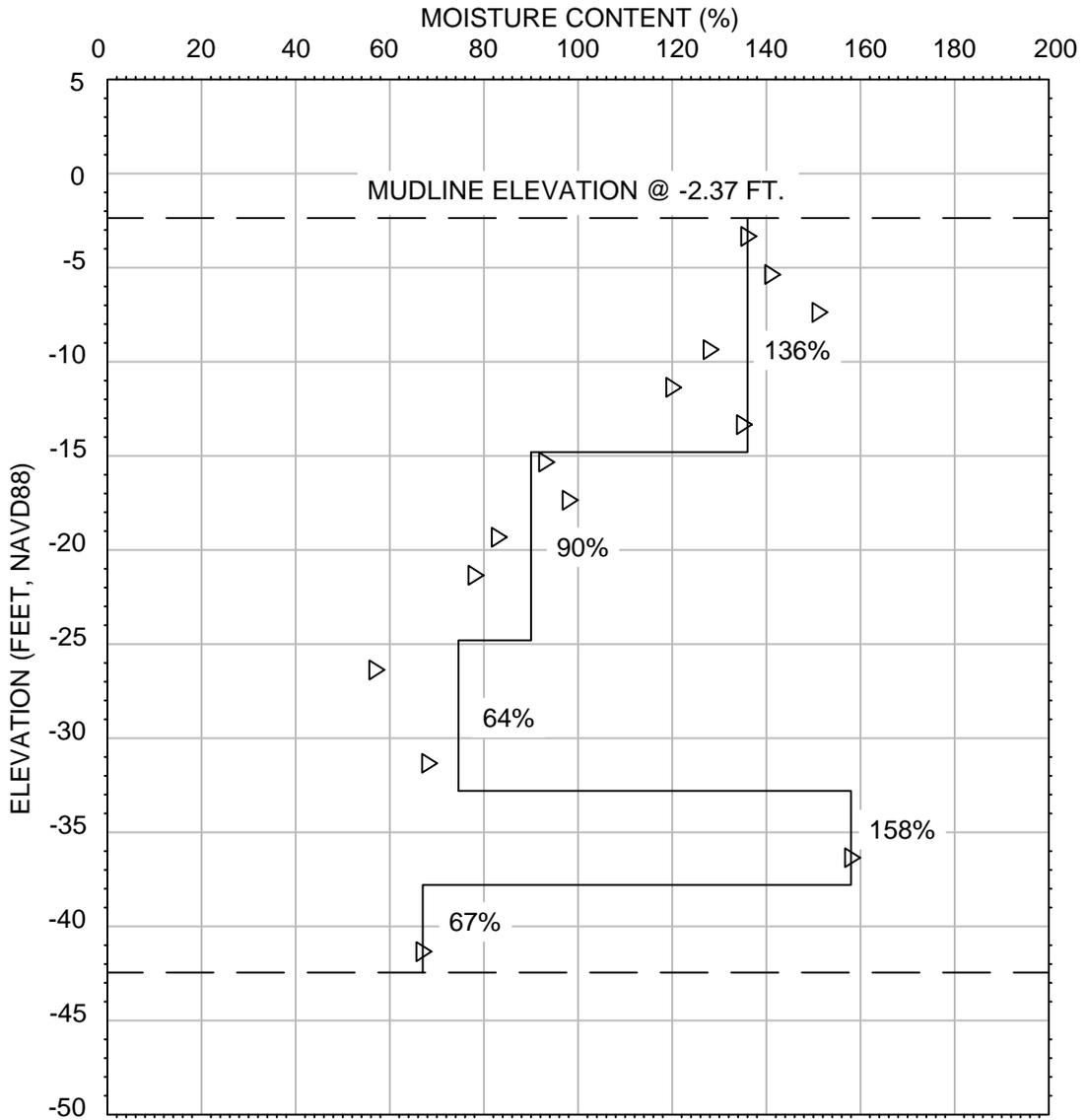
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D6b

VT: J.L.H

P:\16\16715020\00\CAD\B-7.dwg\TAB\MCI modified on Aug 03, 2011 - 1:48pm



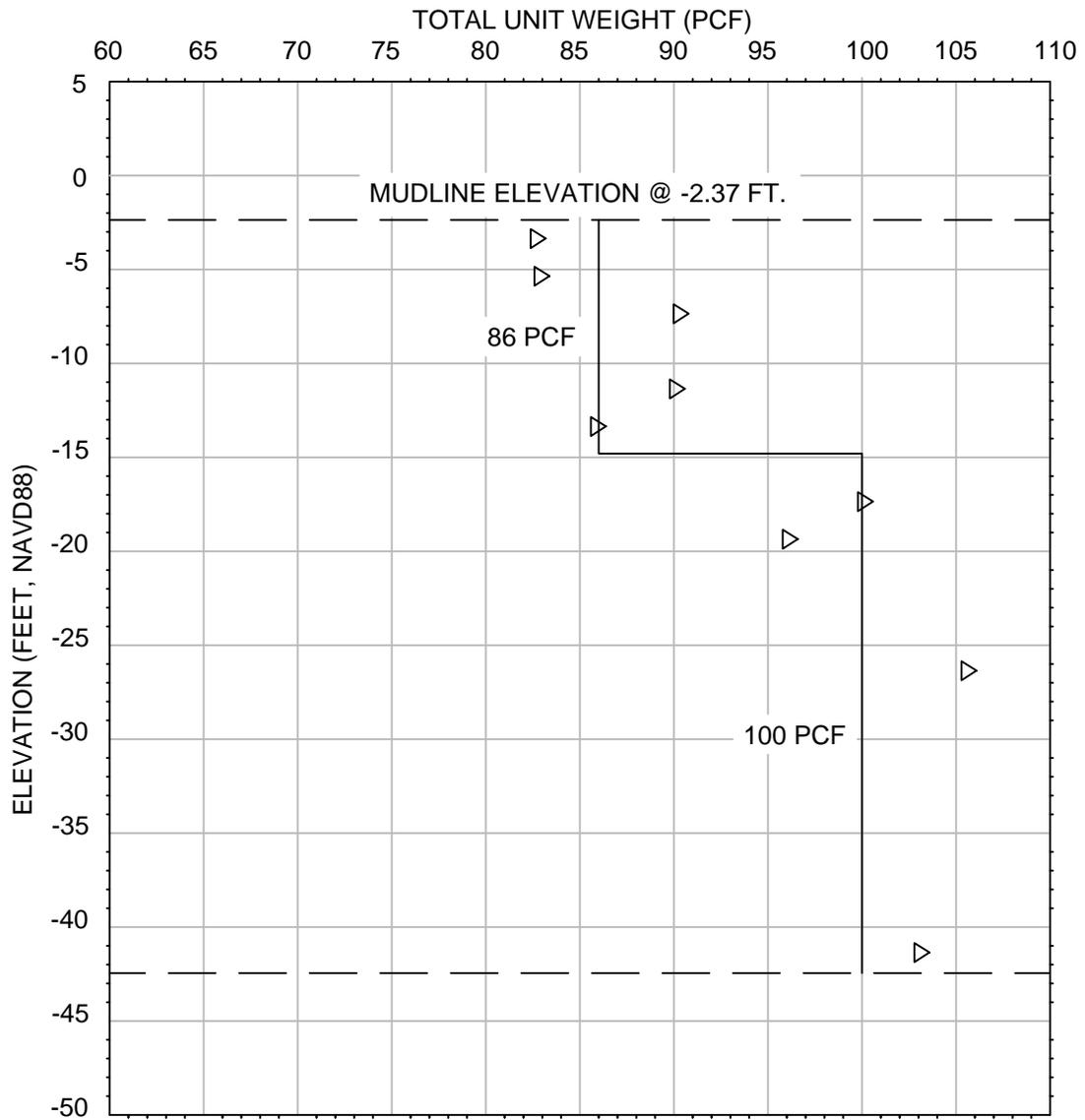
LEGEND

▷ B-7

MOISTURE CONTENT VS ELEVATION B-7	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D6c

VT: J.L.H

P:\16\16715020\00\CAD\B-7.dwg\TAB:TWU1 modified on Aug 03, 2011 - 1:48pm



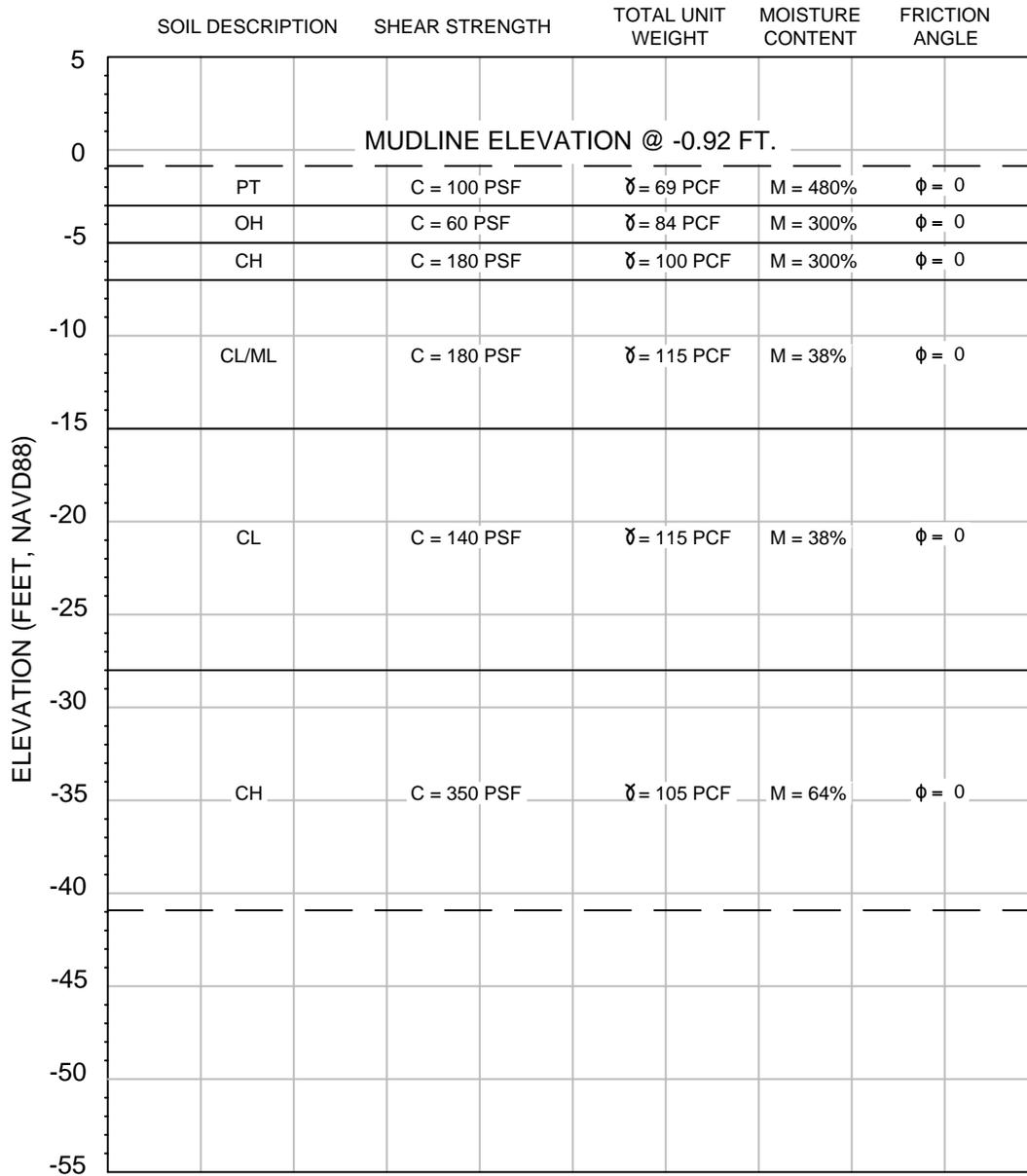
LEGEND

▷ B-7

TOTAL UNIT WEIGHT VS ELEVATION B-7	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D6d

VT : JLH

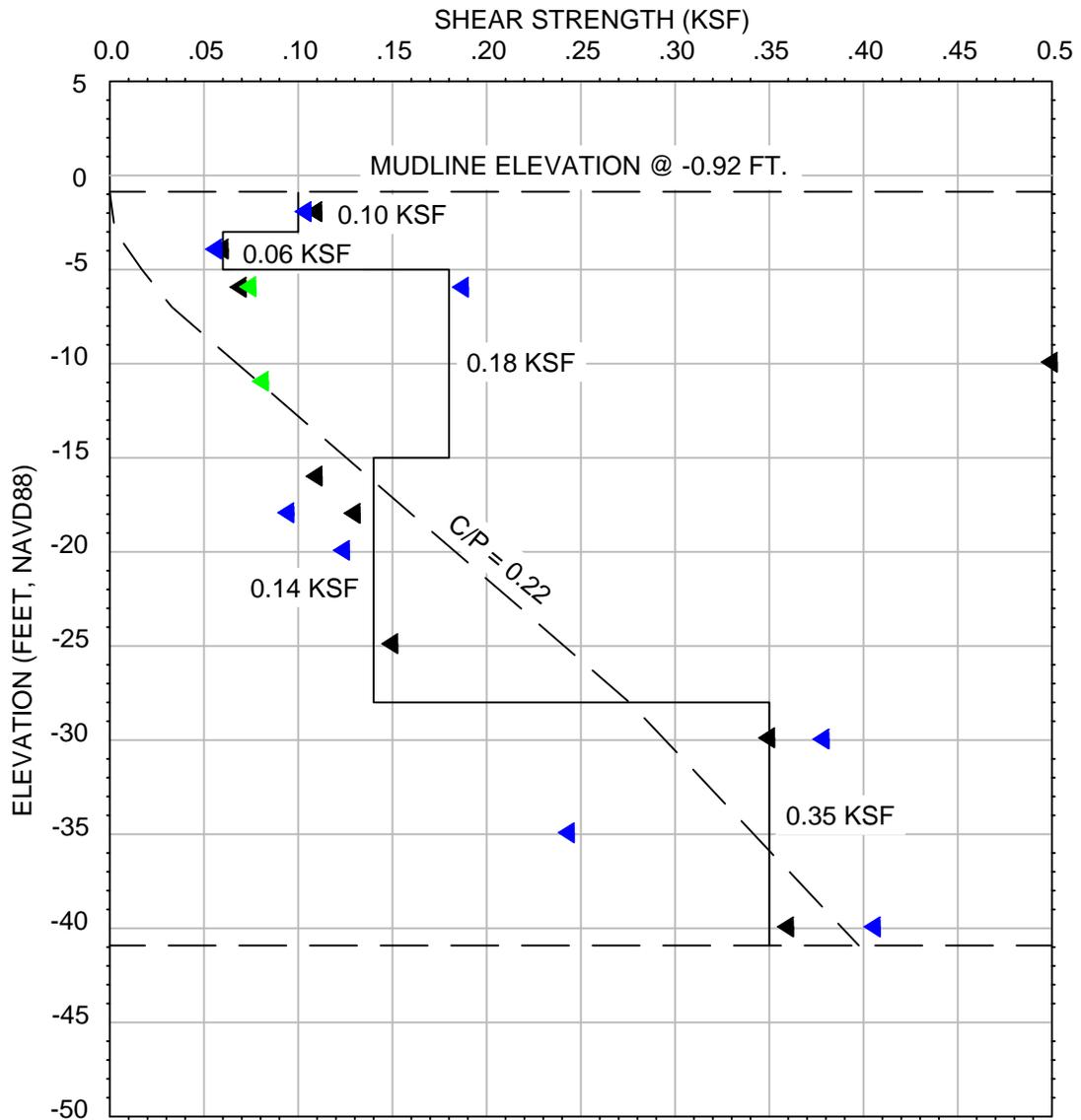
P:\16\16715020\00\CAD\B-11.dwg\TAB:Soil Summary modified on Aug 03, 2011 - 11:17am



SOIL SUMMARY B-11	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D7a

VT : JLH

P:\1616715020\00\CAD\B-11.dwg\TAB:SS1 modified on Aug 03, 2011 - 11:17am



STRENGTH TEST
◀ B-11

LEGEND

MINIVANE
◀ B-11

FIELD VANE
◀ B-11

**SHEAR STRENGTH VS ELEVATION
B-11**

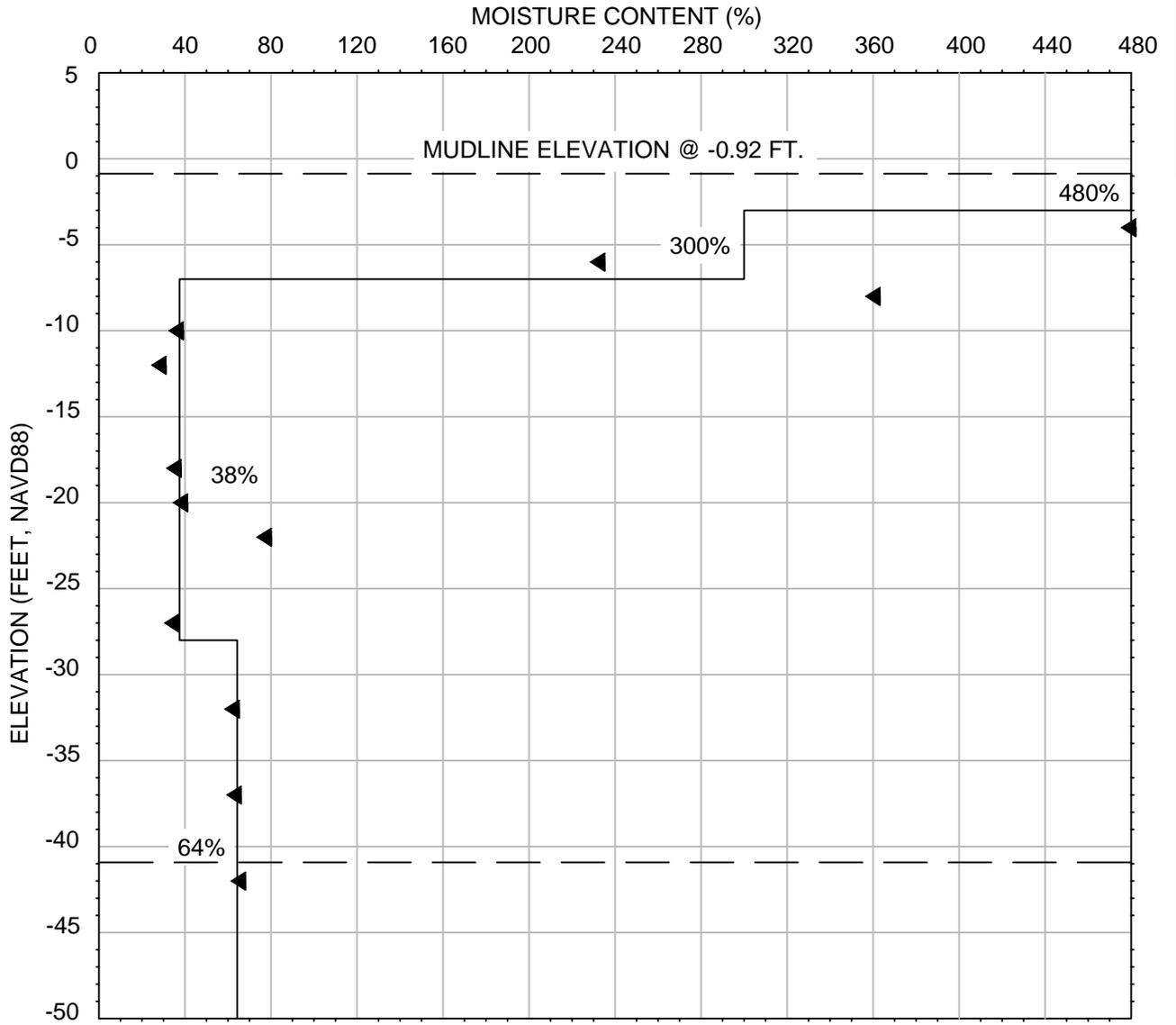
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D7b

VT : JLH

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LEGEND

◀ B-11

**MOISTURE CONTENT VS ELEVATION
B-11**

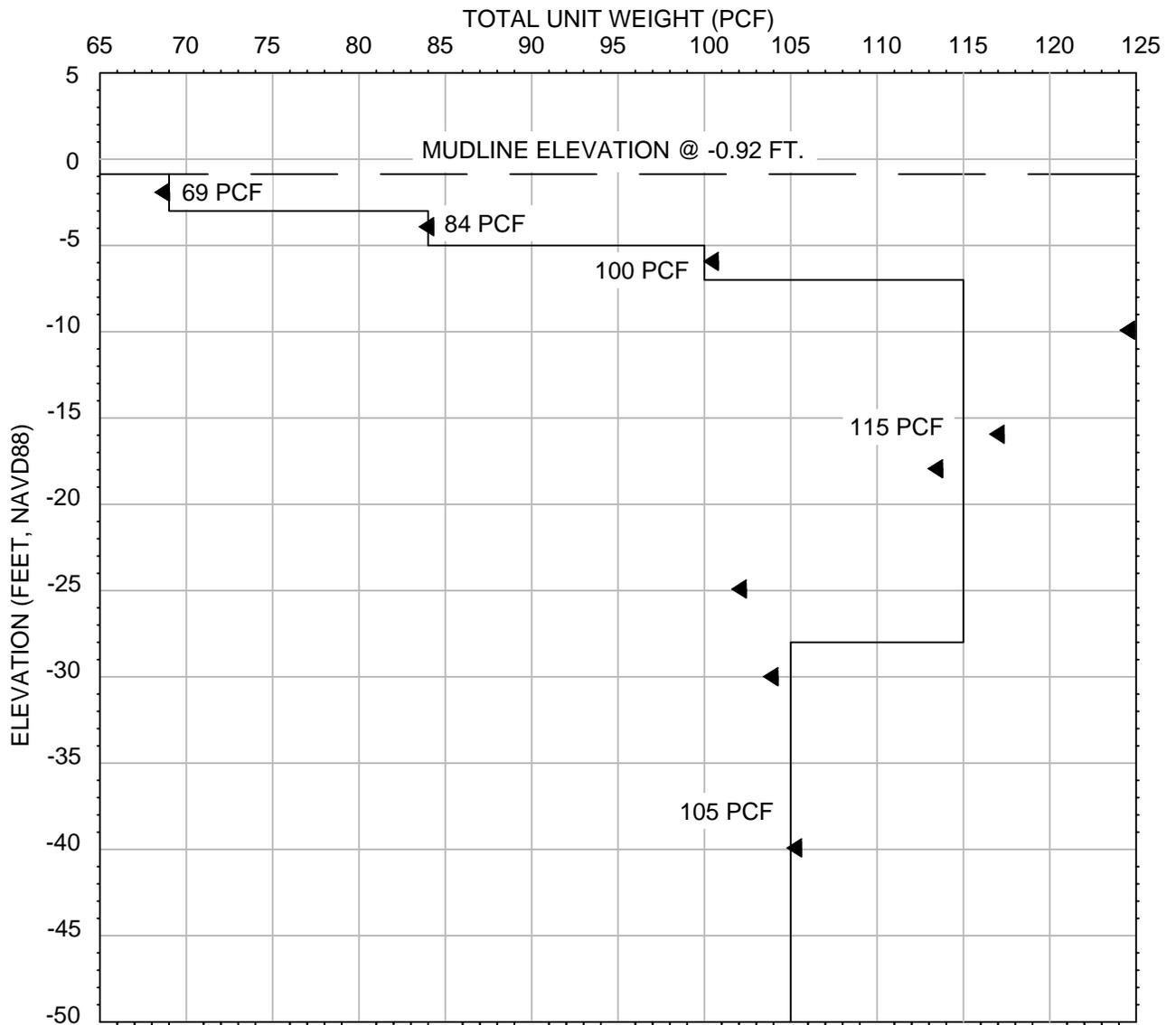
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D7c

VT : JLH

P:\16116715020\00\CAD\B-11.dwg\TAB:TWU1 modified on Aug 03, 2011 - 11:17am



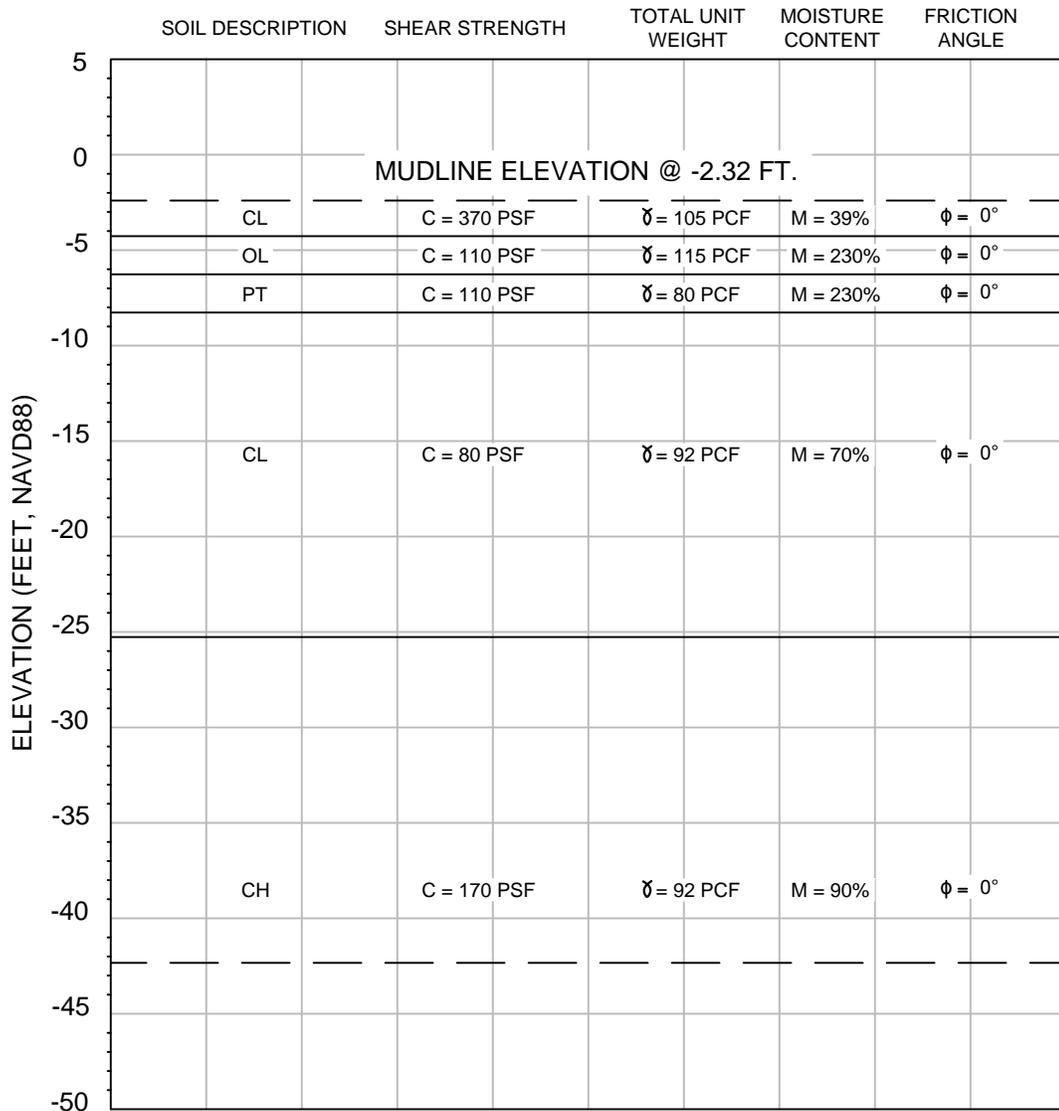
LEGEND

◀ B-11

TOTAL UNIT WEIGHT VS ELEVATION B-11	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D7d

VT : J.L.H

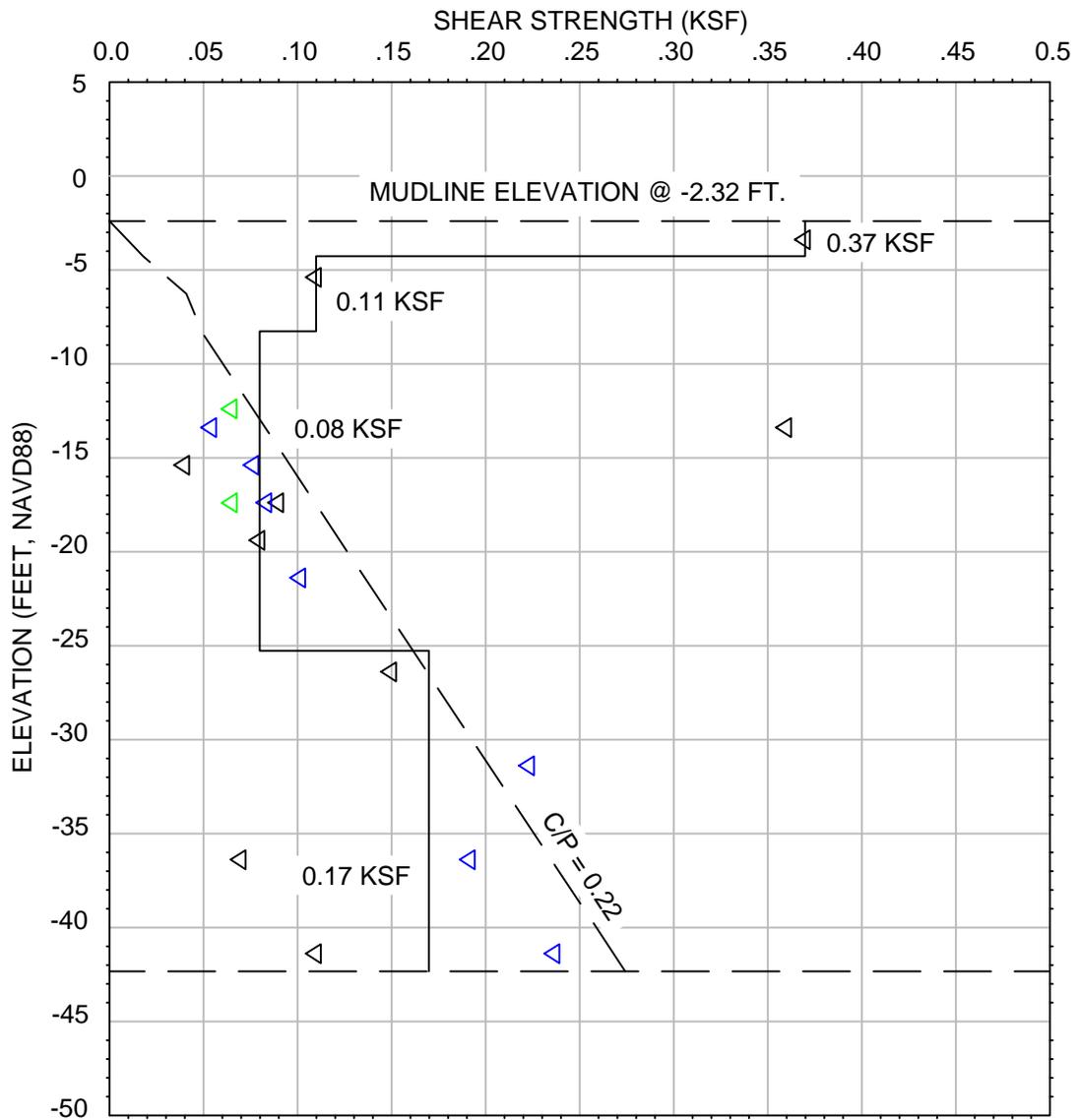
P:\16\16715020\00\CAD\B-12.dwg\TAB:Soil Summary modified on Aug 03, 2011 - 1:52pm



SOIL SUMMARY	
B-12	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D8a

VT : JLH

P:\16116715020\00\CAD\B-12.dwg\TAB:SS12 modified on Aug 03, 2011 - 1:52pm



STRENGTH TEST
△ B-12

LEGEND

MINIVANE
△ B-12

FIELD VANE
△ B-12

**SHEAR STRENGTH VS ELEVATION
B-12**

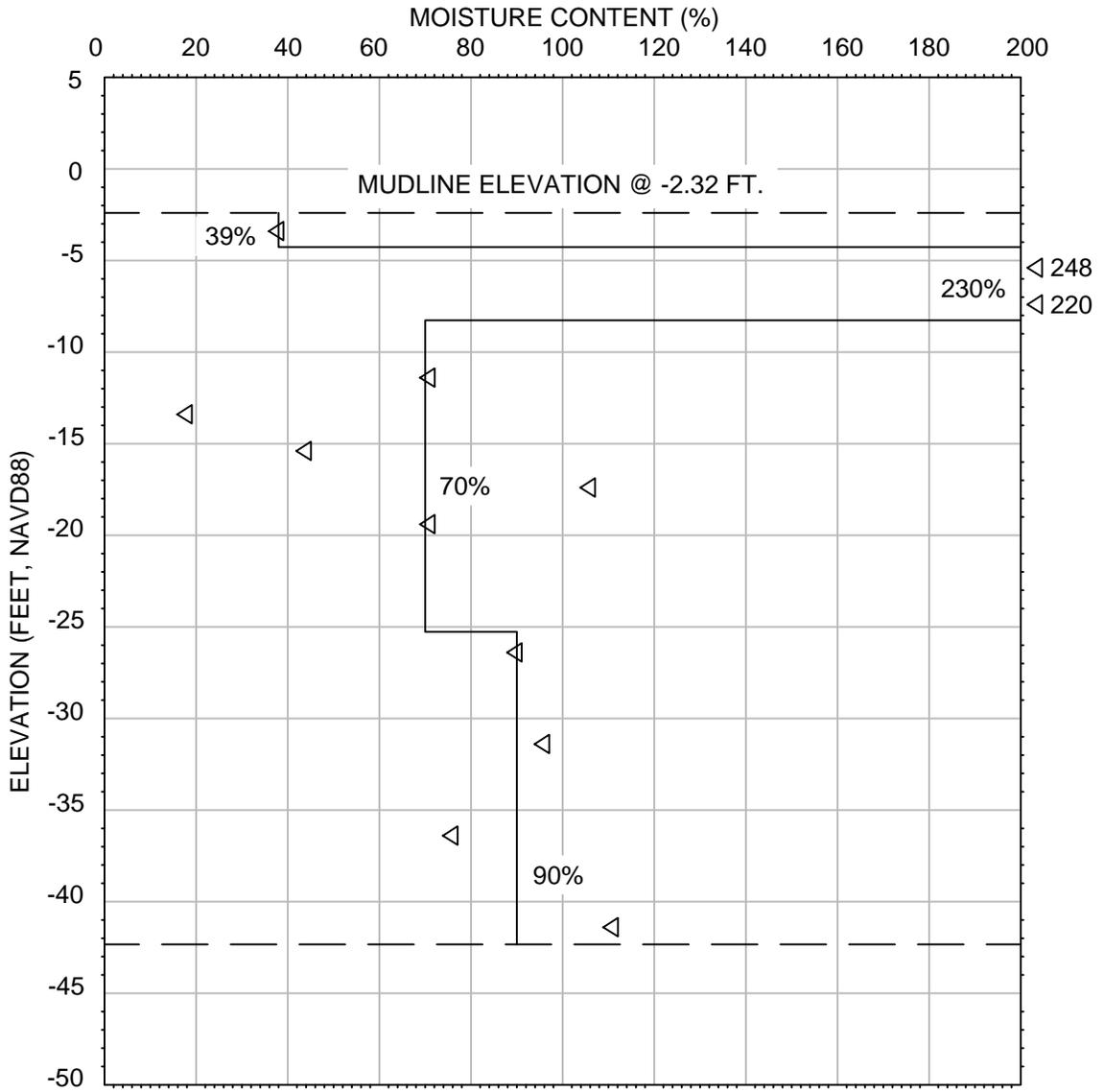
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D8b

VT : JLH

P:\16116715020\00\CAD\B-12.dwg\TAB:MC12 modified on Aug 03, 2011 - 1:52pm



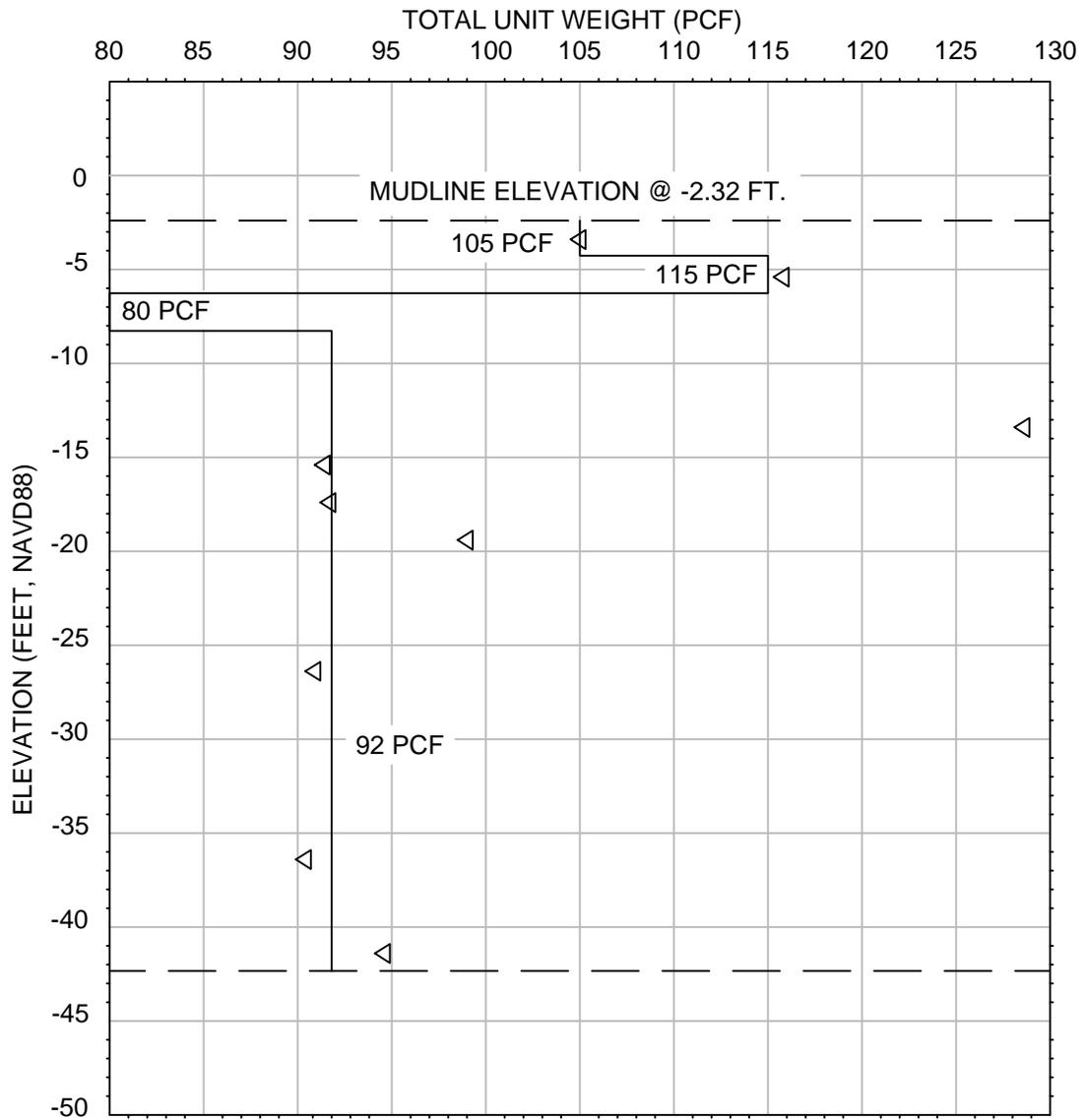
LEGEND

△ B-12

MOISTURE CONTENT VS ELEVATION B-12	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D8c

VT : JLH

P:\16116715020\00\CAD\B-12.dwg\TAB:TWU12 modified on Aug 03, 2011 - 1:52pm



LEGEND

△ B-12

**TOTAL UNIT WEIGHT VS ELEVATION
B-12**

Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D8d

VT : JLH

P:\16\16715020\00\CAD\B-13.dwg\TAB:Soil Summary modified on Aug 03, 2011 - 11:25am

ELEVATION (FEET, NAVD88)	SOIL DESCRIPTION	SHEAR STRENGTH	TOTAL UNIT WEIGHT	MOISTURE CONTENT	FRICITION ANGLE
	MUDLINE ELEVATION @ -1.04 FT.				
-5	CH	C = 190 PSF	$\gamma = 105$ PCF	M = 85%	$\phi = 0^\circ$
-10	CL/CH	C = 190 PSF	$\gamma = 117$ PCF	M = 40%	$\phi = 0^\circ$
-15	CL	C = 150 PSF	$\gamma = 117$ PCF	M = 40%	$\phi = 0^\circ$
-25	CH	C = 450 PSF	$\gamma = 108$ PCF	M = 50%	$\phi = 0^\circ$
-35	CH	C = 300 PSF	$\gamma = 108$ PCF	M = 50%	$\phi = 0^\circ$
-45					
-50					

STRENGTH TEST
● B-13

LEGEND
MINIVANE
● B-13

FIELD VANE
● B-13

**SOIL SUMMARY
B-13**

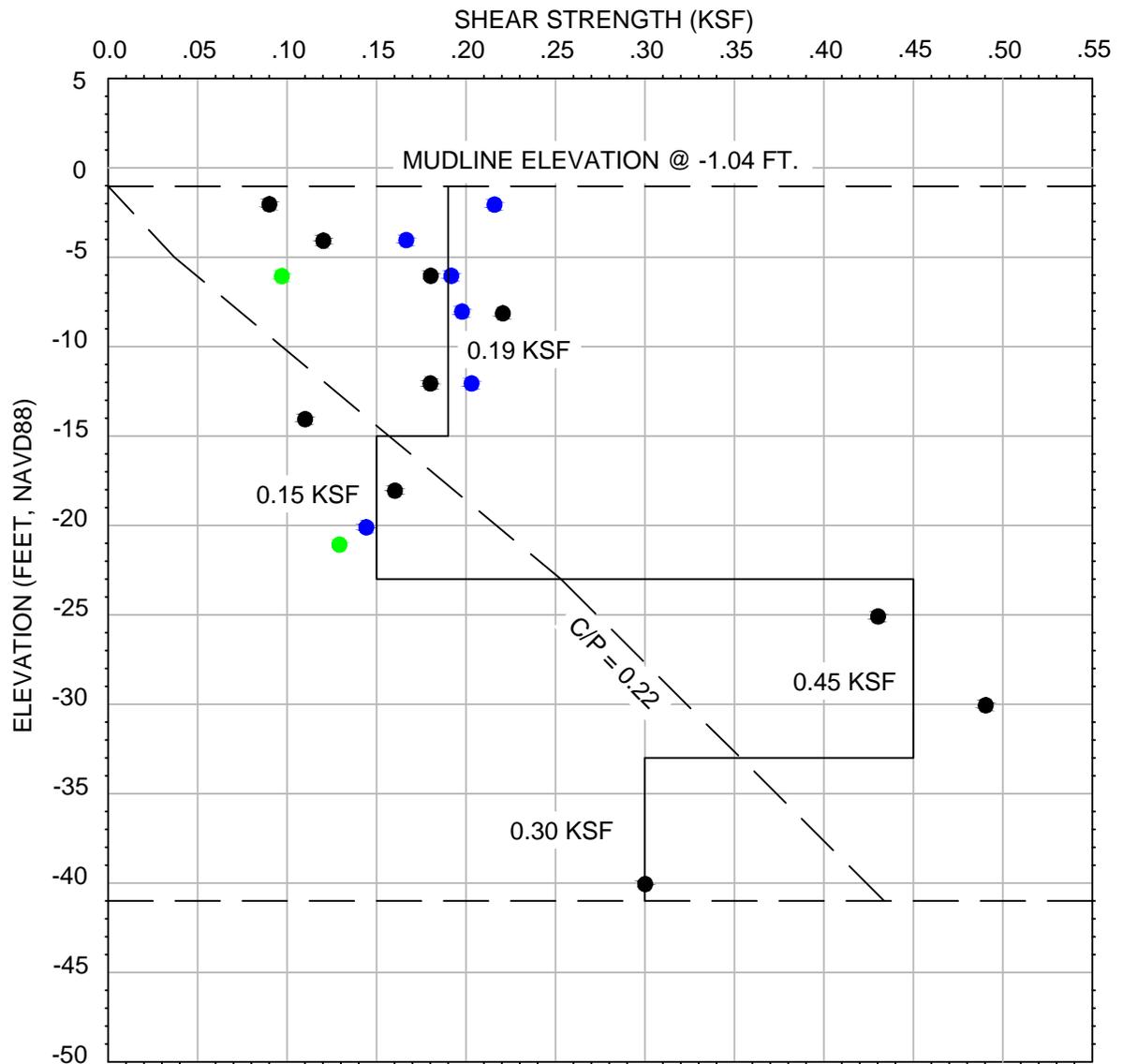
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure I-D9a

VT : JLH

P:\1616715020\00\CAD\B-13.dwg\TAB:SS1 modified on Aug 03, 2011 - 11:25am



STRENGTH TEST
● B-13

LEGEND

MINIVANE
● B-13

FIELD VANE
● B-13

**SHEAR STRENGTH VS ELEVATION
B-13**

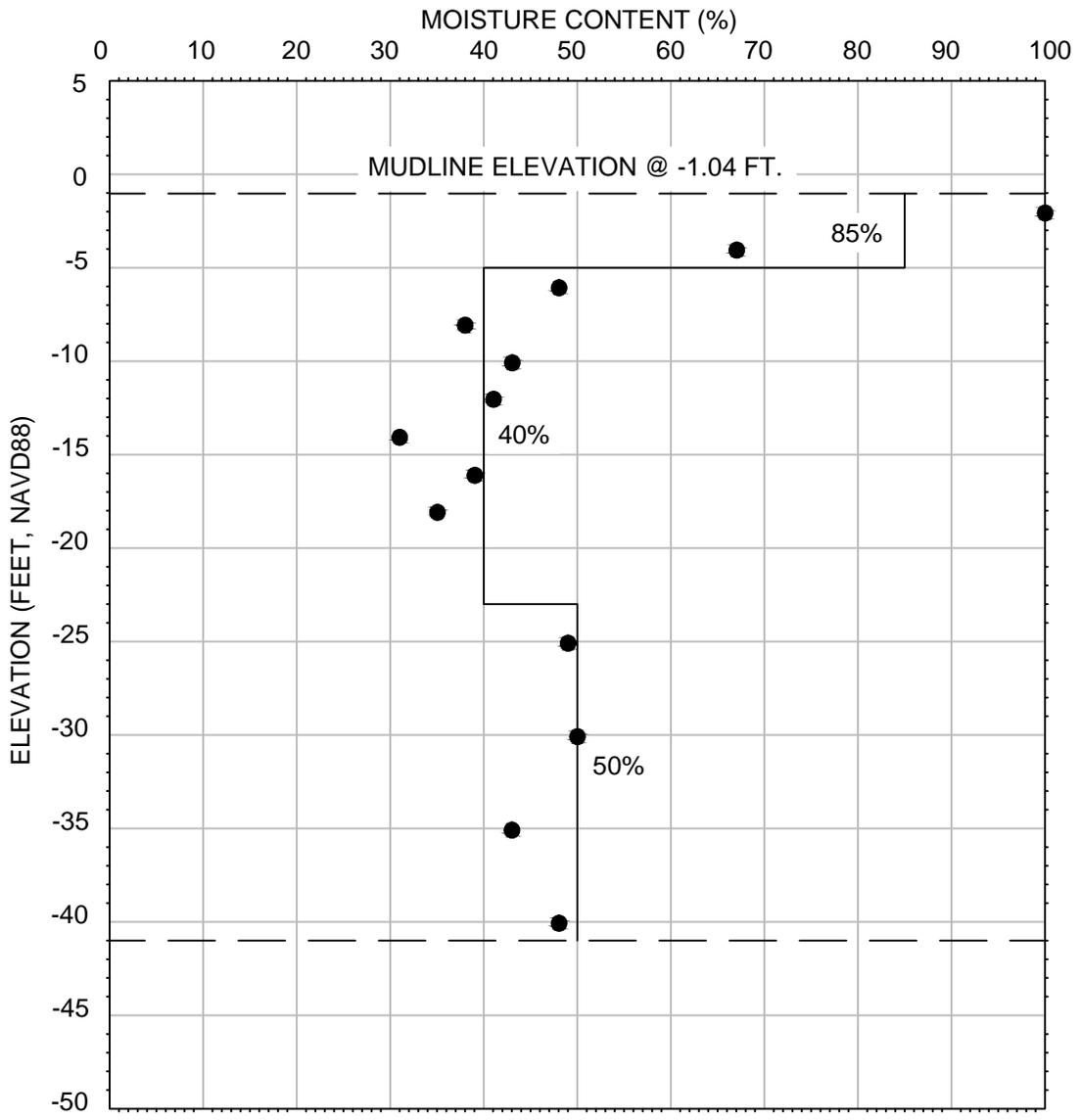
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana

GEOENGINEERS

Figure
I-D9b

VT: J.L.H

P:\16\16715020\00\CAD\B-13.dwg\TAB:MC1 modified on Aug 03, 2011 - 11:25am



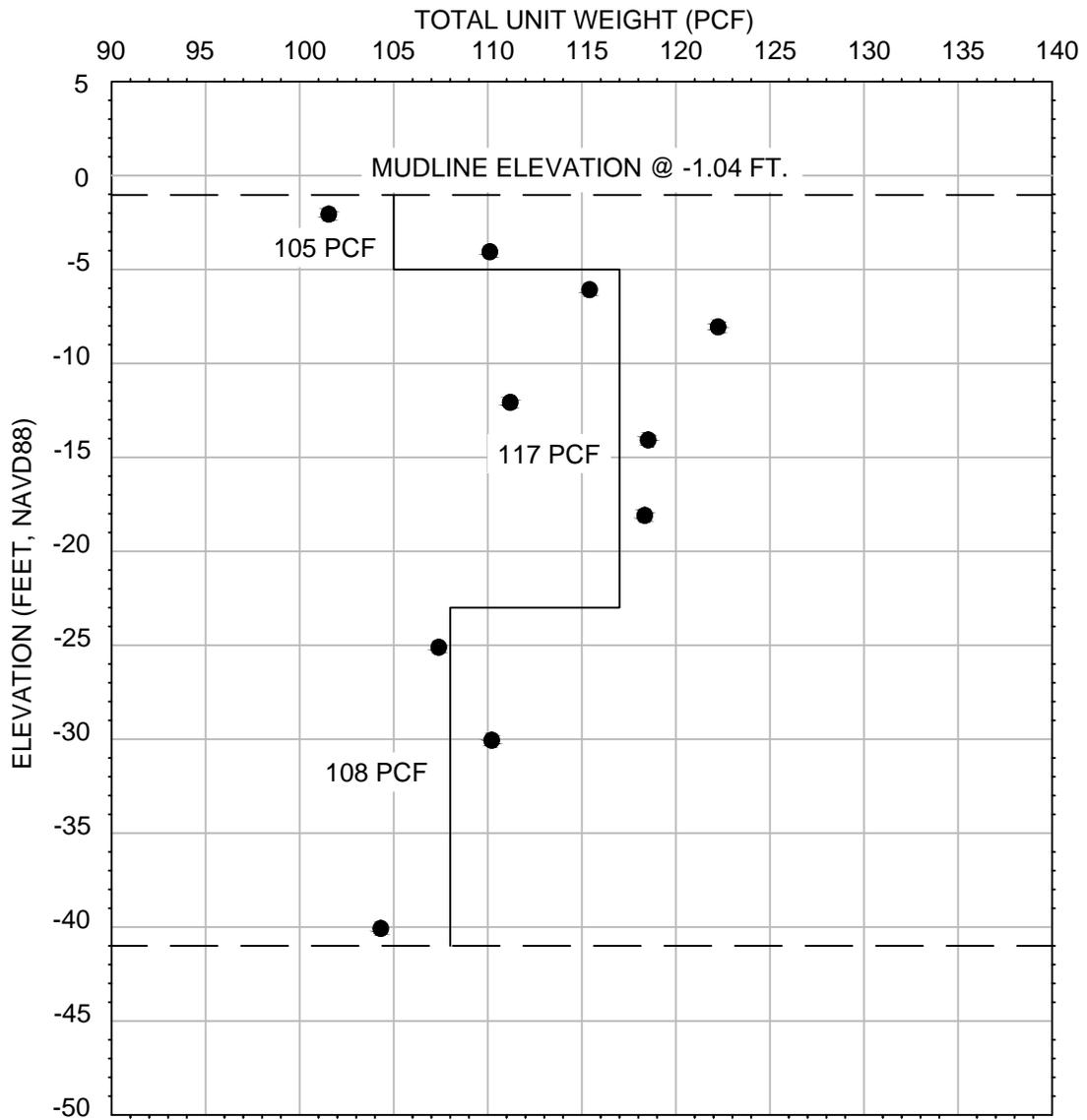
LEGEND

● B-13

MOISTURE CONTENT VS ELEVATION B-13	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D9c

VT : JLH

P:\16116715020\00\CAD\B-13.dwg\TAB:TWU1 modified on Aug 03, 2011 - 11:25am



LEGEND

● B-13

**TOTAL UNIT WEIGHT VS ELEVATION
B-13**

Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D9d

VT : J.L.H

C:\Users\kcook\appdata\localtemp\AcPublish_3876\B-14.dwg\TAB:Soil Summary modified on Aug 03, 2011 - 2:02pm

ELEVATION (FT)	SOIL DESCRIPTION	SHEAR STRENGTH	TOTAL UNIT WEIGHT	MOISTURE CONTENT	FRICTION ANGLE
5					
0	MUDLINE ELEVATION @ -1.04 FT.				
	CH	C = 150 PSF	$\gamma = 105$ PCF	M = 118%	$\phi = 0^\circ$
-5	CH	C = 150 PSF	$\gamma = 105$ PCF	M = 62%	$\phi = 0^\circ$
-10	CH	C = 210 PSF	$\gamma = 105$ PCF	M = 62%	$\phi = 0^\circ$
-15					
-20	CL/CH	C = 110 PSF	$\gamma = 105$ PCF	M = 62%	$\phi = 0^\circ$
-25					
-30					
-35	CH/OH	C = 330 PSF	$\gamma = 105$ PCF	M = 62%	$\phi = 0^\circ$
-40					
-45					
-50					

**SOIL SUMMARY
B-14**

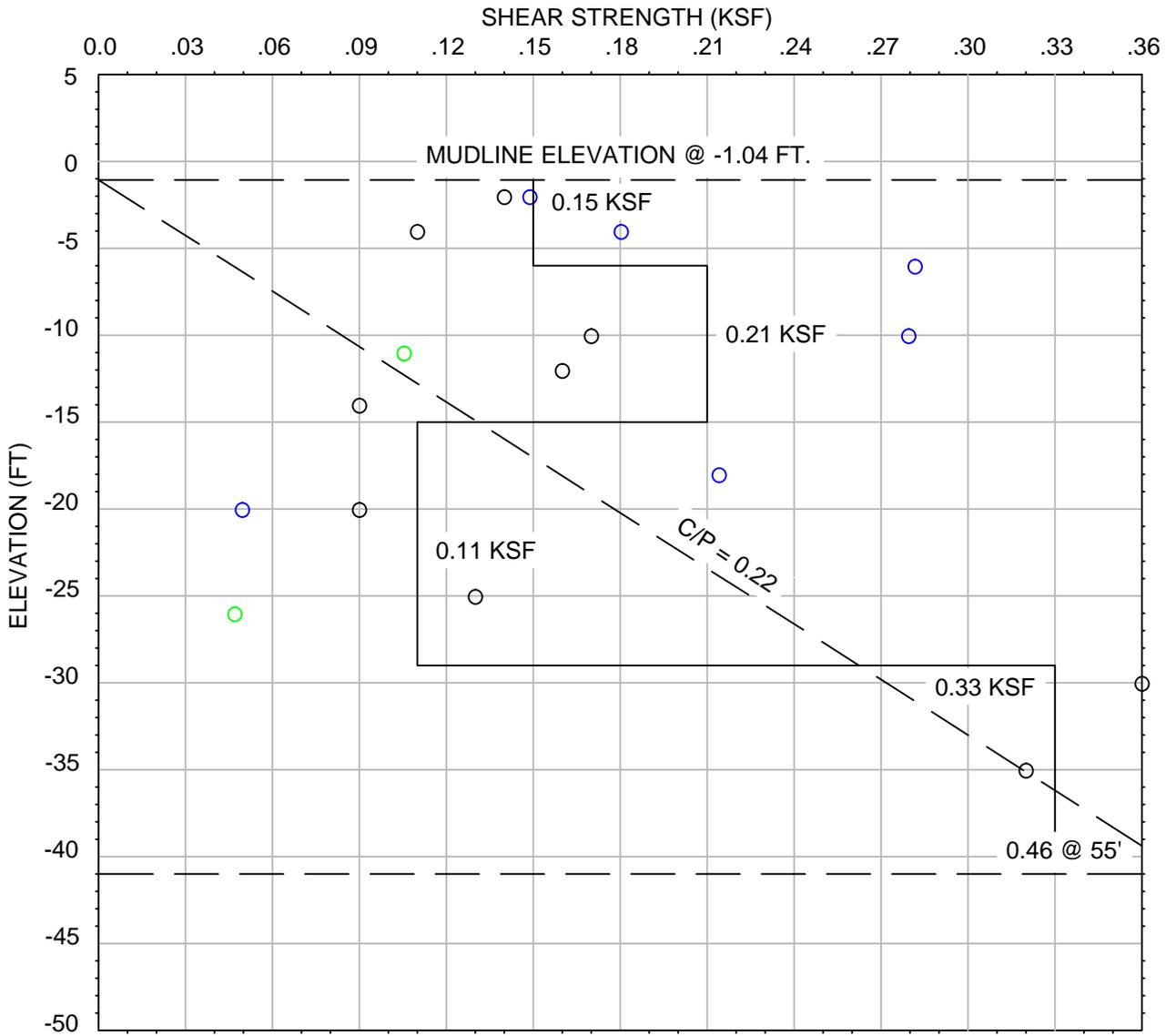
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



**Figure
I-D10a**

VT : J.LH

C:\Users\kcook\appdata\local\temp\AcPublish_3876\B-14.dwg\TAB:SS14 modified on Aug 03, 2011 - 2:02pm



STRENGTH TEST
○ B-14

LEGEND

MINIVANE
○ B-14

FIELD VANE
○ B-14

**SHEAR STRENGTH VS ELEVATION
B-14**

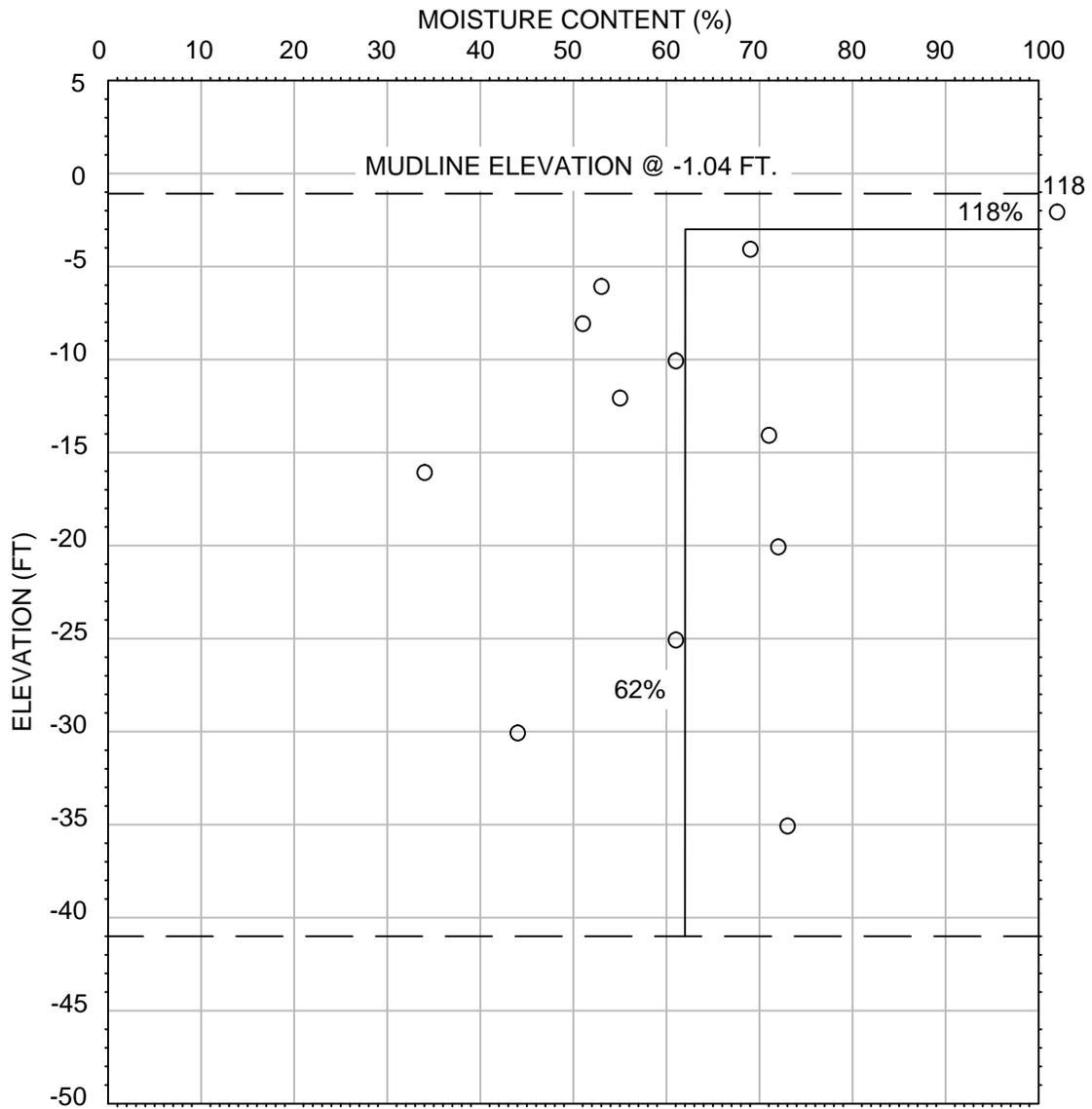
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure I-D10b

VT : J.L.H

C:\Users\kcook\appdata\local\temp\AcPublish_3876\B-14.dwg\TAB\MC14 modified on Aug 03, 2011 - 2:02pm



LEGEND

○ B-14

**MOISTURE CONTENT VS ELEVATION
B-14**

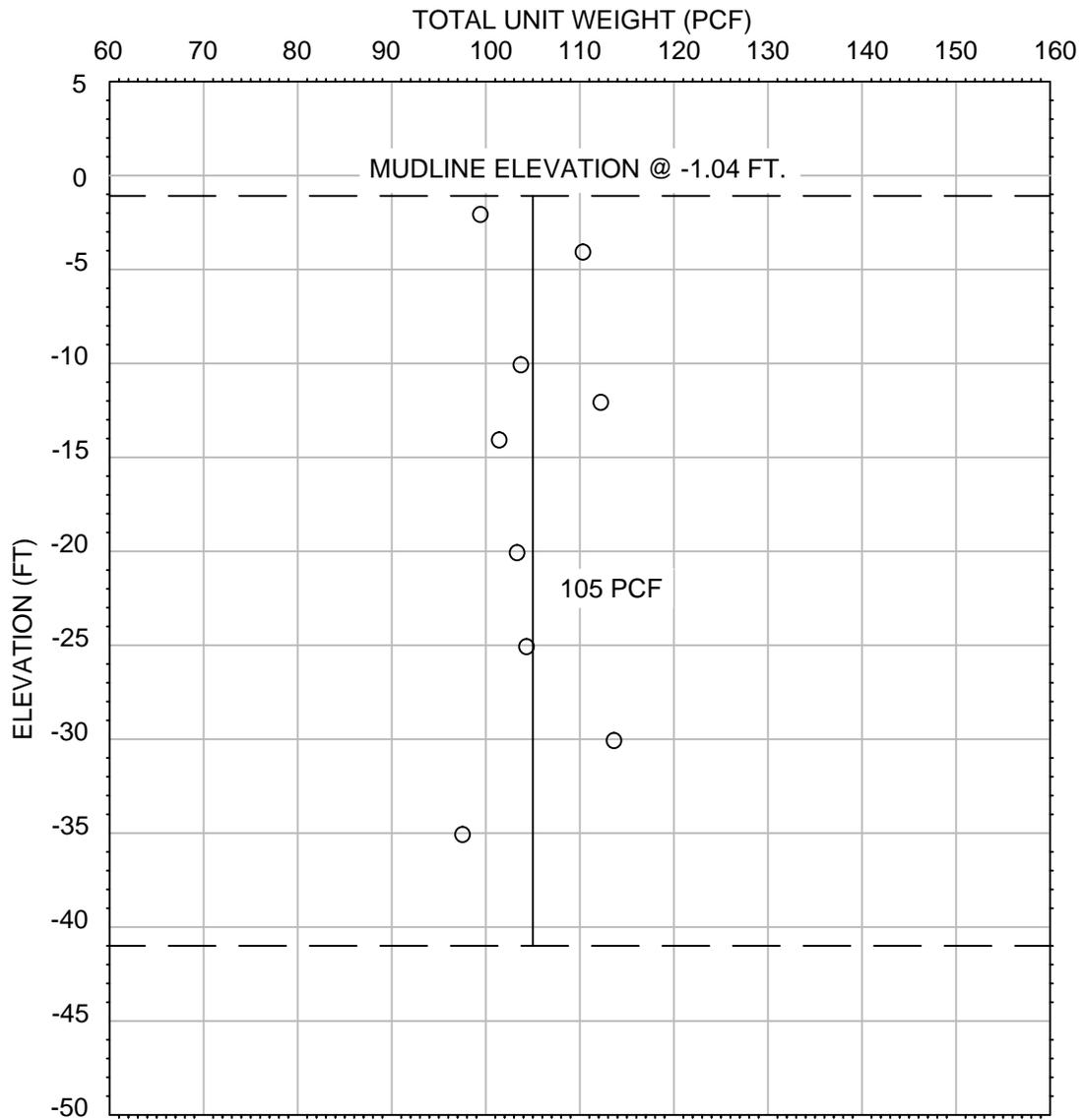
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D10c

VT : JLH

C:\Users\kcook\appdata\local\temp\AcPublish_3876\B-14.dwg\TAB:TWU14 modified on Aug 03, 2011 - 2:02pm



LEGEND

○ B-14

TOTAL UNIT WEIGHT VS ELEVATION B-14	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D10d

VT : JLH

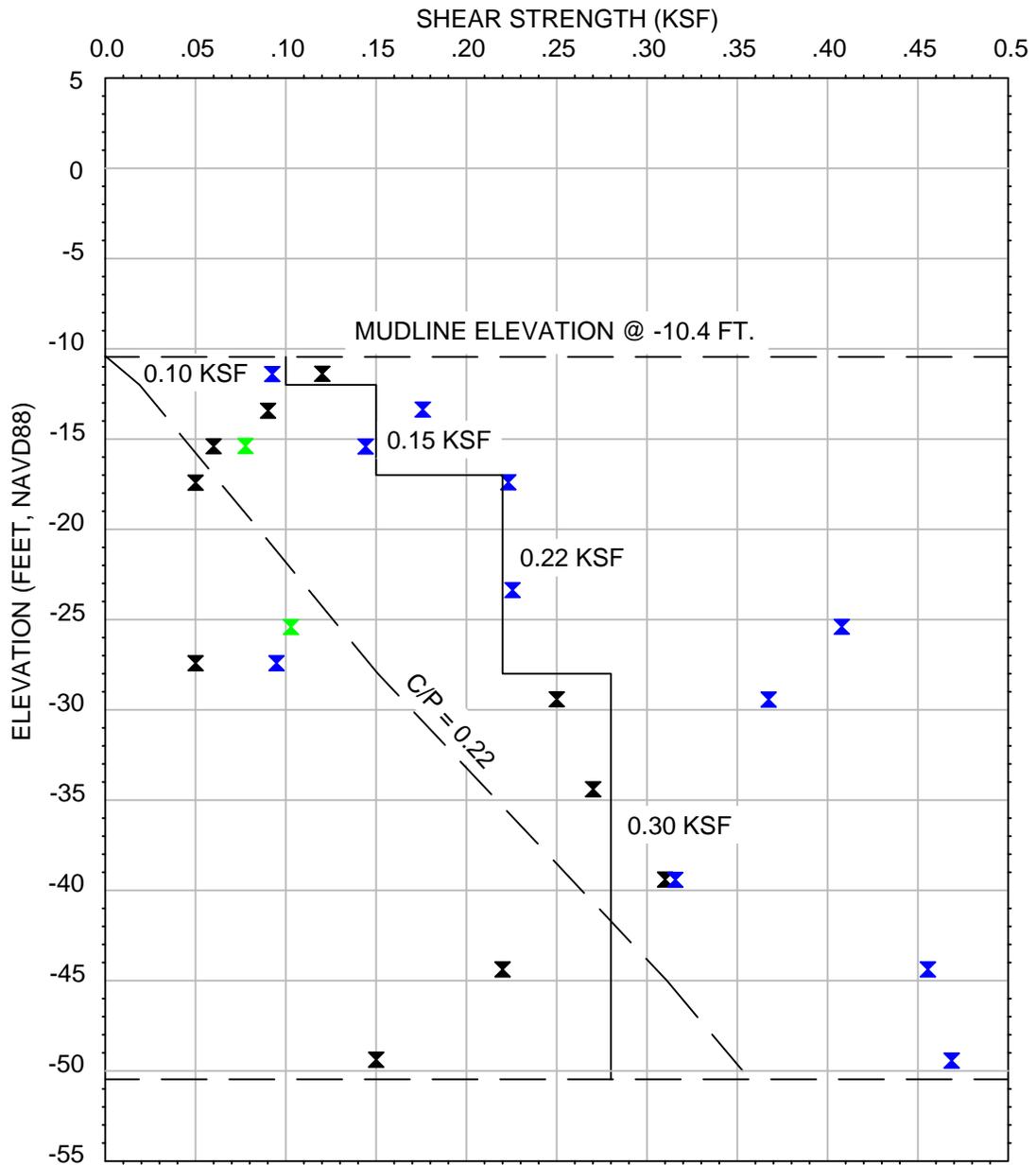
P:\16\16715020\00\CAD\B-15.dwg\TAB:Soil Summary modified on Aug 03, 2011 - 1:59pm

ELEVATION (FEET, NAVD88)	SOIL DESCRIPTION	SHEAR STRENGTH	TOTAL UNIT WEIGHT	MOISTURE CONTENT	FRICTION ANGLE
5					
0					
-5					
-10	MUDLINE ELEVATION @ -10.4 FT.				
-10.4	CL	C = 100 PSF	$\gamma = 116$ PCF	M = 65%	$\phi = 0^\circ$
-15	CL/CH	C = 150 PSF	$\gamma = 100$ PCF	M = 65%	$\phi = 0^\circ$
-20					
-25	CH	C = 220 PSF	$\gamma = 100$ PCF	M = 45%	$\phi = 0^\circ$
-30					
-35	CH	C = 300 PSF	$\gamma = 105$ PCF	M = 60%	$\phi = 0^\circ$
-40					
-45					
-50	CH	C = 300 PSF	$\gamma = 101$ PCF	M = 88%	$\phi = 0^\circ$
-55					

SOIL SUMMARY	
B-15	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D11a

VT:JLH

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STRENGTH TEST
x B-15

LEGEND

MINIVANE
x B-15

FIELD VANE
x B-15

**SHEAR STRENGTH VS ELEVATION
B-15**

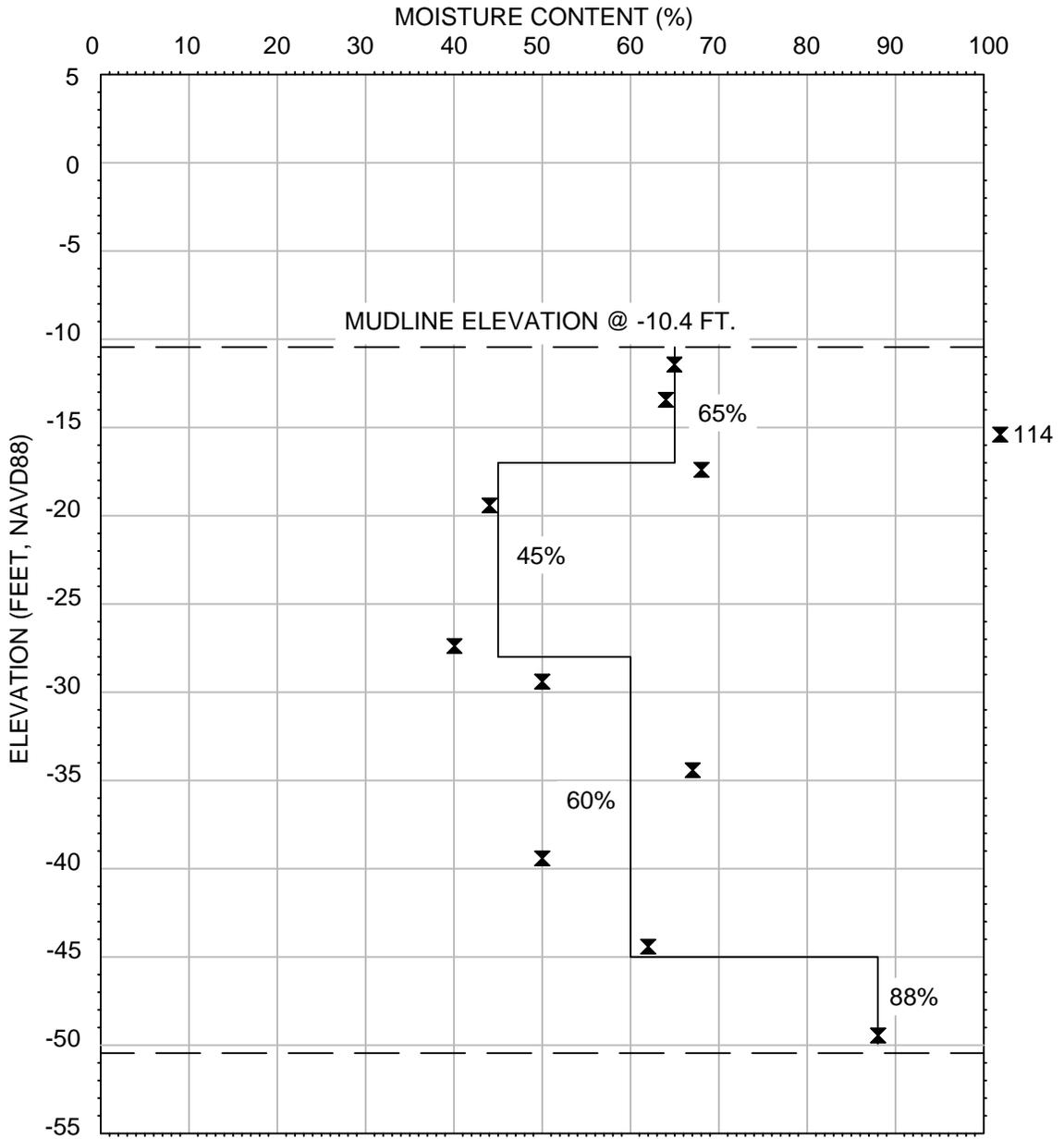
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure I-D11b

VT: J.L.H

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LEGEND

✕ B-15

**MOISTURE CONTENT VS ELEVATION
B-15**

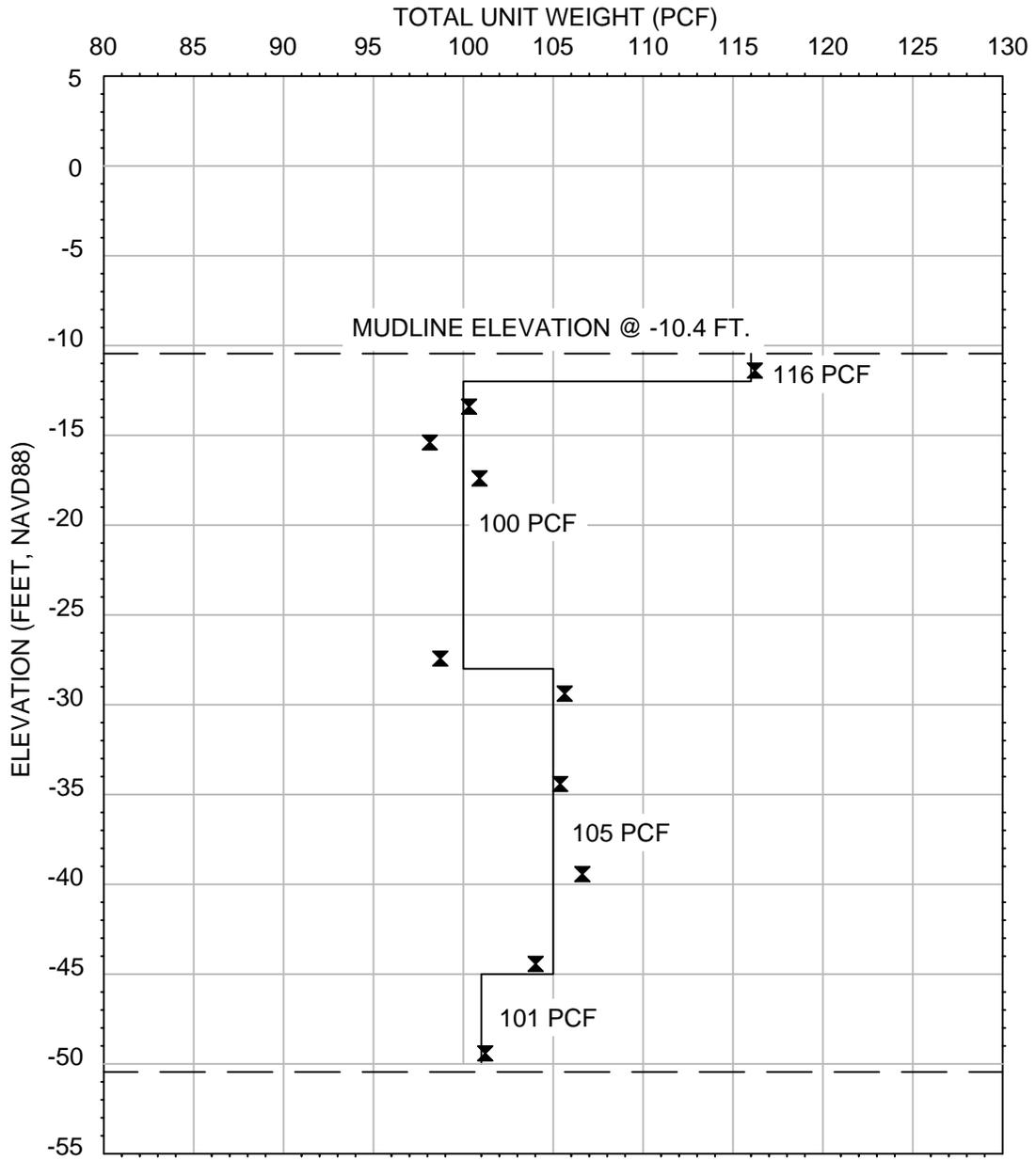
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D11c

VT:JLH

P:\16116715020\00\CAD\B-15.dwg\TAB:TWU1 modified on Aug 03, 2011 - 1:59pm



LEGEND

x B-15

**TOTAL UNIT WEIGHT VS ELEVATION
B-15**

Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D11d

VT : JLH

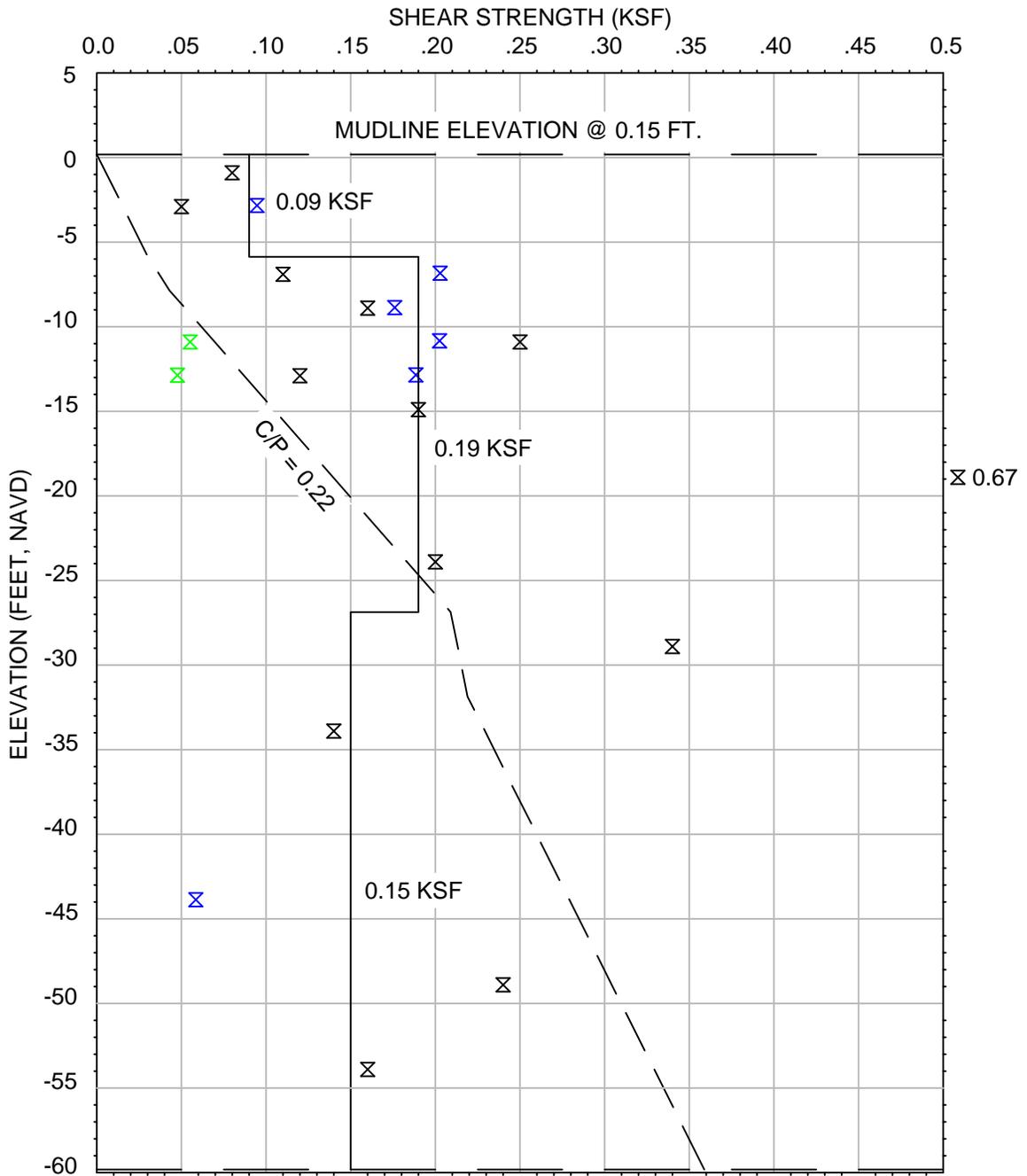
P:\16\16715020\00\CAD\B-16.dwg\TAB:Soil Summary modified on Aug 03, 2011 - 2:04pm

	SOIL DESCRIPTION	SHEAR STRENGTH	TOTAL UNIT WEIGHT	MOISTURE CONTENT	FRICTION ANGLE
	MUDLINE ELEVATION @ 0.15 FT.				
5					
0					
-5	PT	C = 90 PSF	$\gamma = 85$ PCF	M = 400%	$\phi = 0^\circ$
-10	OH	C = 190 PSF	$\gamma = 92$ PCF	M = 150%	$\phi = 0^\circ$
-15	CH	C = 190 PSF	$\gamma = 102$ PCF	M = 70%	$\phi = 0^\circ$
-20	CH/CL-ML	C = 190 PSF	$\gamma = 115$ PCF	M = 40%	$\phi = 0^\circ$
-25	CH	C = 190 PSF	$\gamma = 102$ PCF	M = 70%	$\phi = 0^\circ$
-30	PT	C = 150 PSF	$\gamma = 72$ PCF	M = 264%	$\phi = 0^\circ$
-35					
-40					
-45					
-50	CH	C = 150 PSF	$\gamma = 85$ PCF	M = 83%	$\phi = 0^\circ$
-55					
-60					

SOIL SUMMARY	
B-16	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D12a

VT : JLH

P:\16\16715020\00\CAD\B-16.dwg\TAB:SS16 modified on Aug 03, 2011 - 2:04pm



STRENGTH TEST
 x B-16

LEGEND

MINIVANE
 x B-16

FIELD VANE
 x B-16

**SHEAR STRENGTH VS ELEVATION
 B-16**

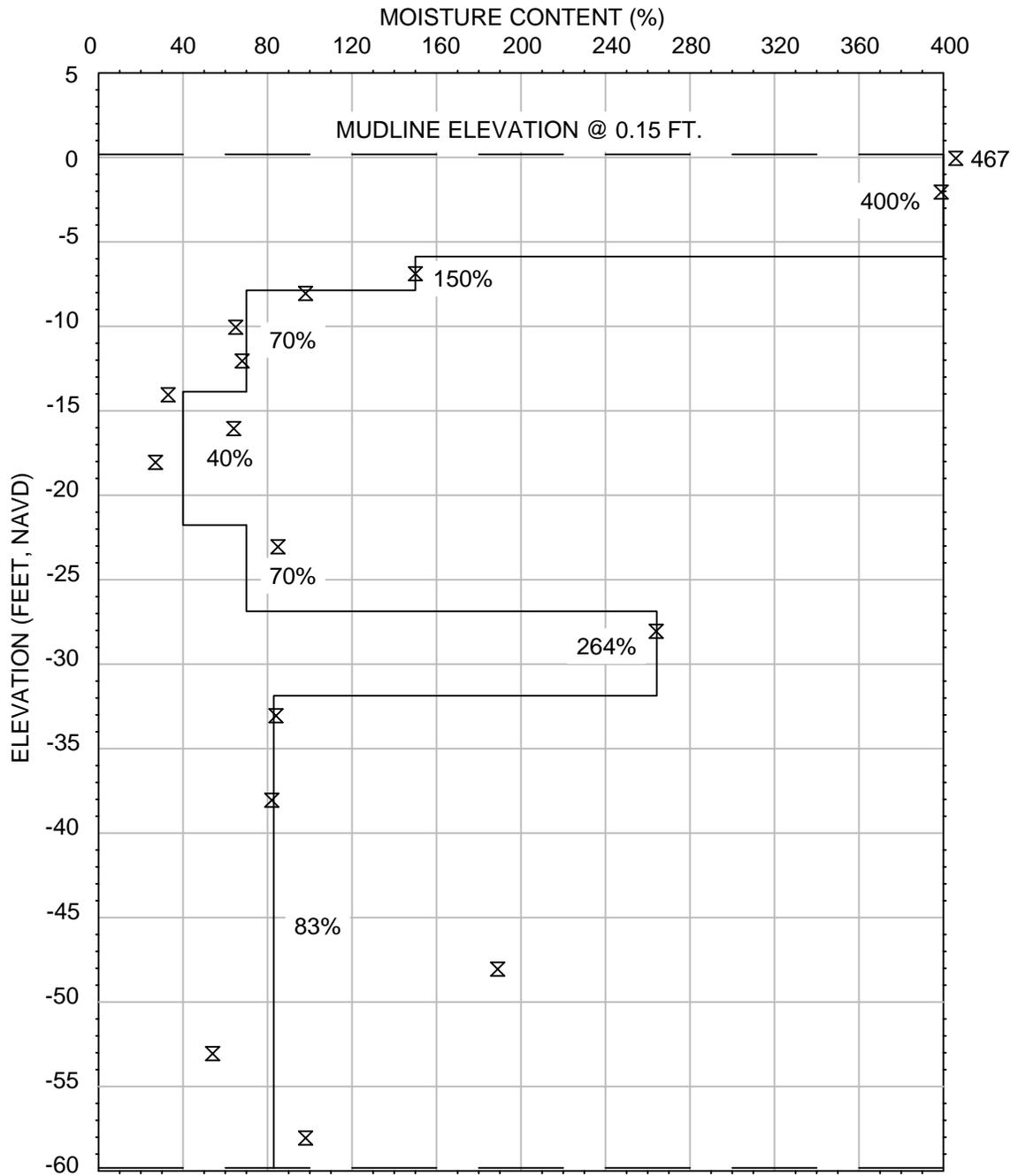
Lost Lake Marsh Creation and Hydrologic
 Restoration Project (TE-72)
 Terrebonne Parish, Louisiana



**Figure
 I-D12b**

VT : JLH

P:\16\16715020\00\CAD\B-16.dwg\TAB:MC16 modified on Aug 03, 2011 - 2:04pm



LEGEND

⊗ B-16

**MOISTURE CONTENT VS ELEVATION
B-16**

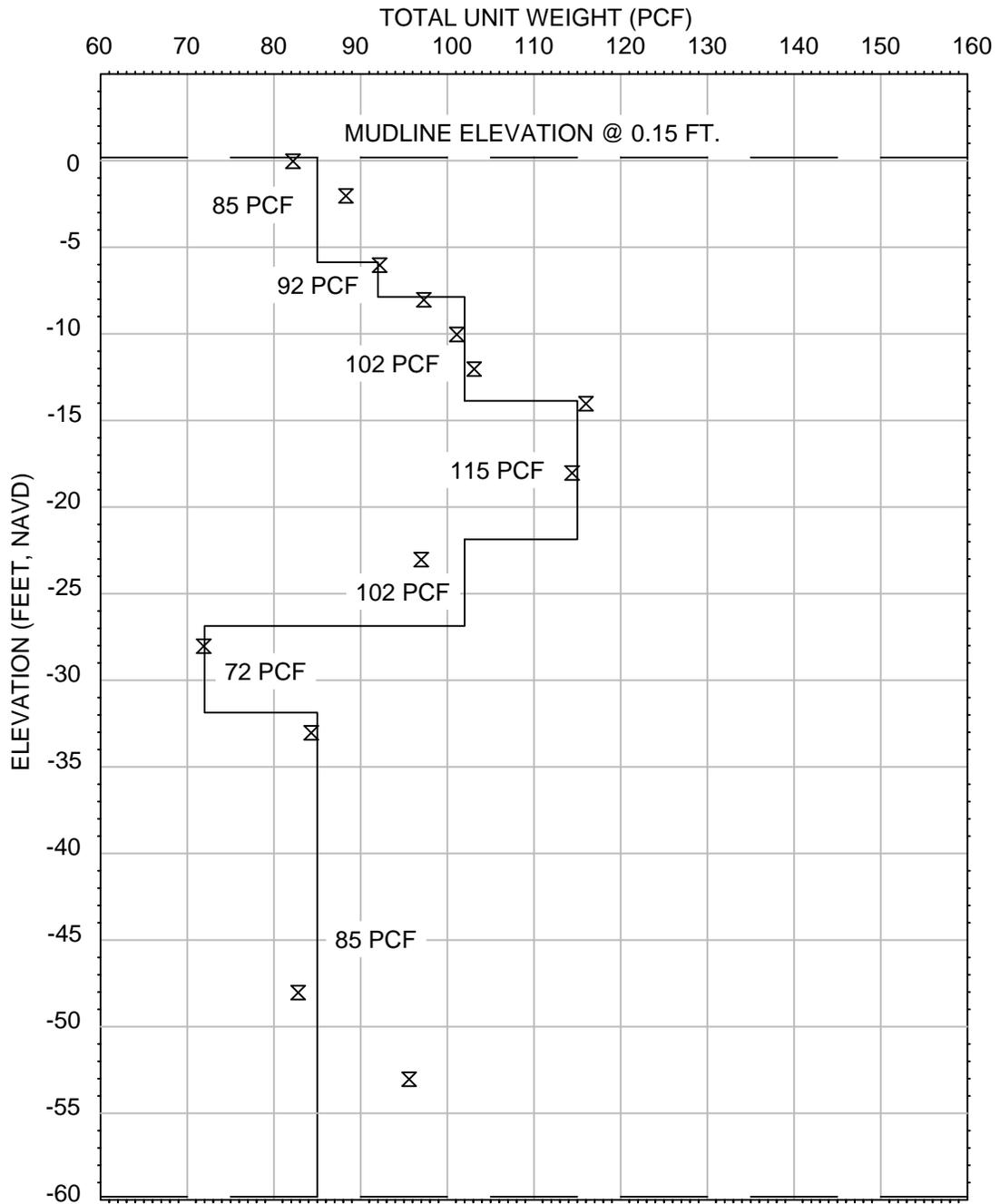
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



**Figure
I-D12c**

VT : JLH

P:\16\16715020\00\CAD\B-16.dwg\TAB:TWU16 modified on Aug 03, 2011 - 2:04pm



LEGEND

⊗ B-16

**TOTAL UNIT WEIGHT VS ELEVATION
B-16**

Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D12d

VT : JLH

P:\16\16715020\00\CAD\B-17.dwg\TAB:Soil Summary modified on Aug 03, 2011 - 1:24pm

	SOIL DESCRIPTION	SHEAR STRENGTH	TOTAL UNIT WEIGHT	MOISTURE CONTENT	FRICTION ANGLE
5					
	MUDLINE ELEVATION @ -0.57 FT.				
0					
	OH	C = 100 PSF	$\gamma = 95$ PCF	M = 100%	$\phi = 0^\circ$
-5					
	OH	C = 160 PSF	$\gamma = 101$ PCF	M = 70%	$\phi = 0^\circ$
-10					
	CH/CL	C = 160 PSF	$\gamma = 115$ PCF	M = 50%	$\phi = 0^\circ$
-15					
-20					
	CL/CH	C = 200 PSF	$\gamma = 110$ PCF	M = 50%	$\phi = 0^\circ$
-25					
-30					
	OH	C = 250 PSF	$\gamma = 97$ PCF	M = 141%	$\phi = 0^\circ$
-35					
-40					
	PT	C = 250 PSF	$\gamma = 78$ PCF	M = 270%	$\phi = 0^\circ$
-45					
-50					

**SOIL SUMMARY
B-17**

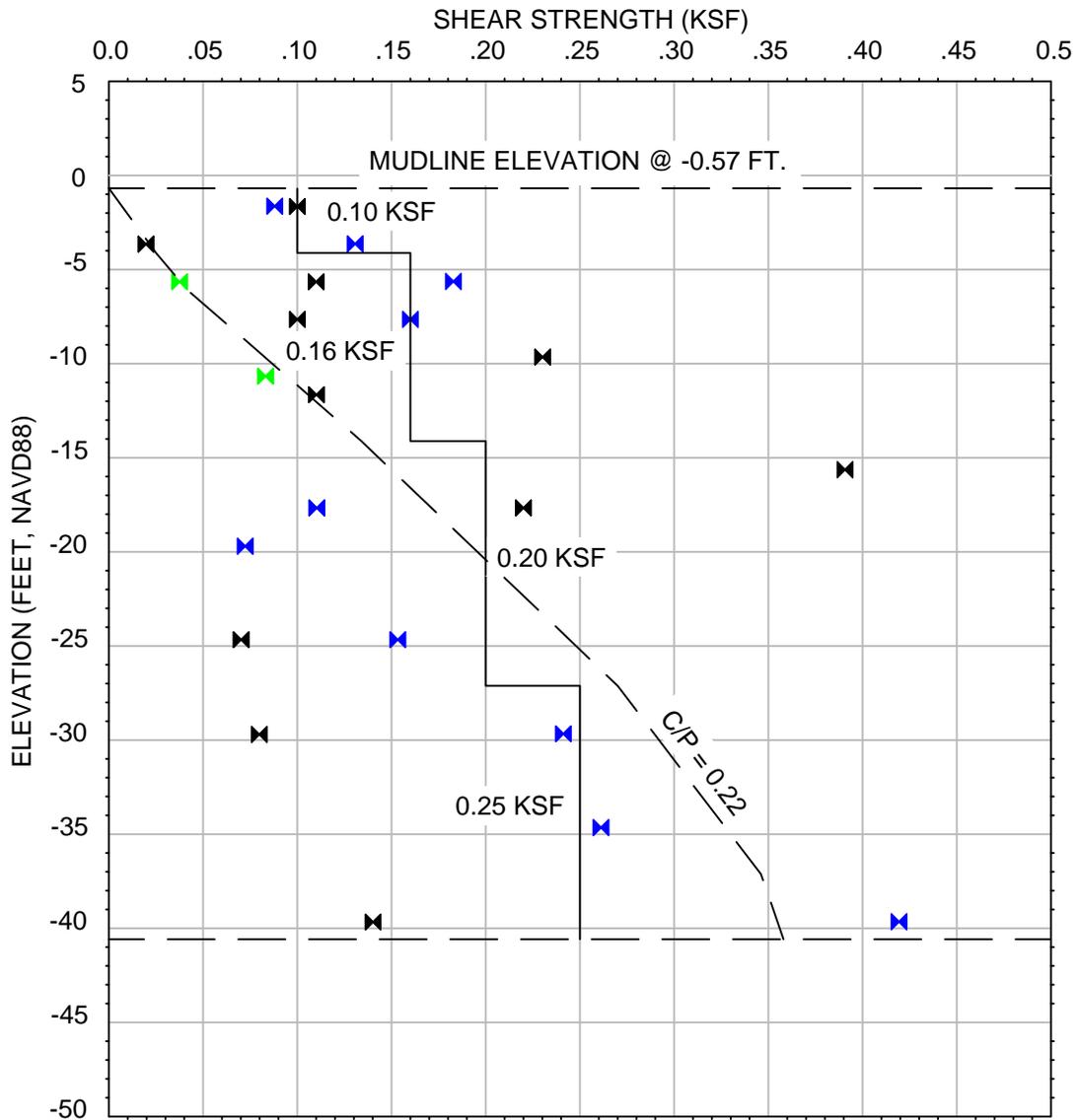
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



**Figure
I-D13a**

VT:JLH

P:\16116715020\00\CAD\B-17.dwg\TAB:SS1 modified on Aug 03, 2011 - 1:24pm



STRENGTH TEST
✕ B-17

LEGEND

MINIVANE
✕ B-17

FIELD VANE
✕ B-17

**SHEAR STRENGTH VS ELEVATION
B-17**

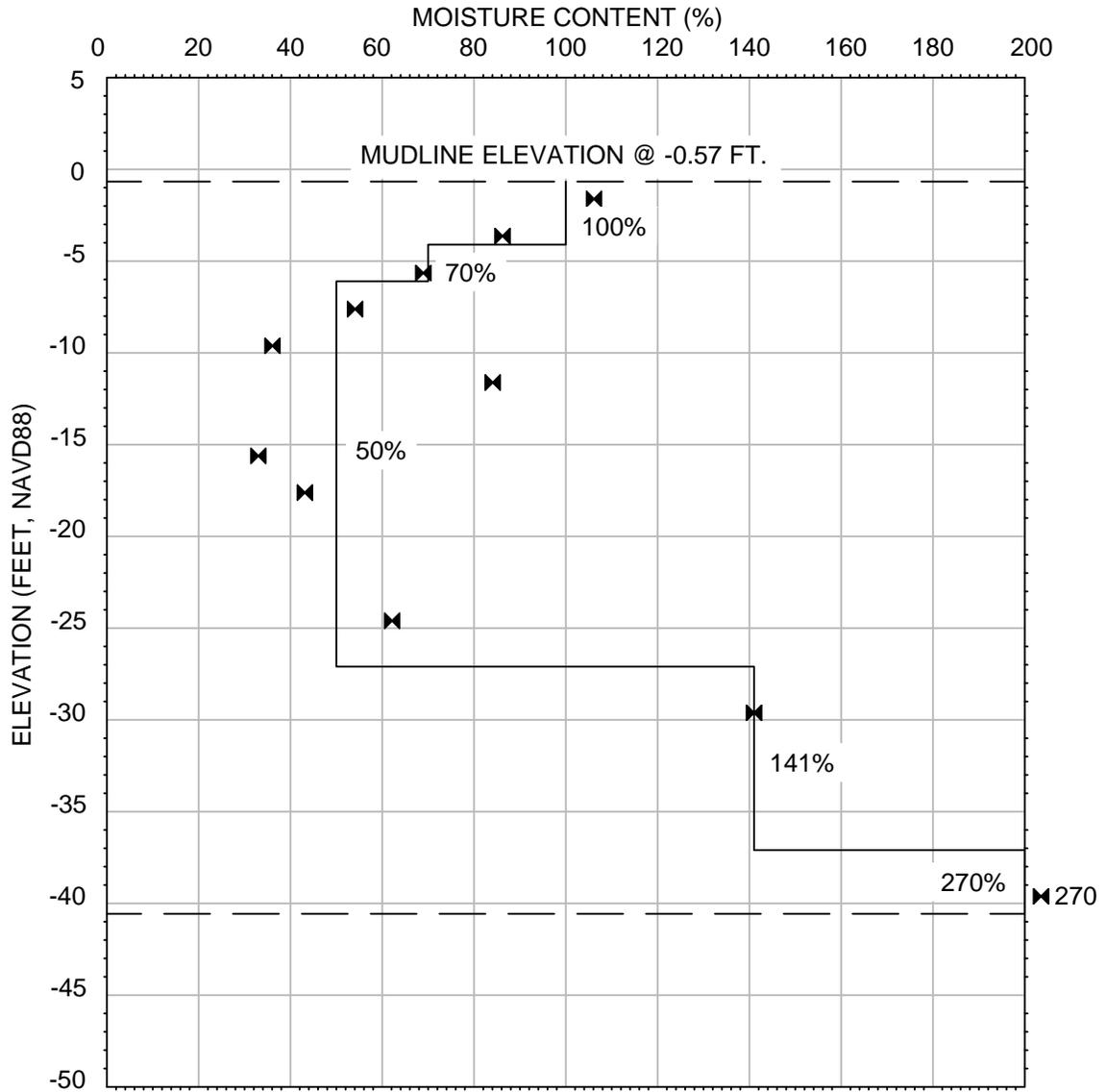
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure I-D13b

VT: J.L.H

P:\16116715020\00\CAD\B-17.dwg\TAB:MC1 modified on Aug 03, 2011 - 1:24pm



LEGEND

✕ B-17

**MOISTURE CONTENT VS ELEVATION
B-17**

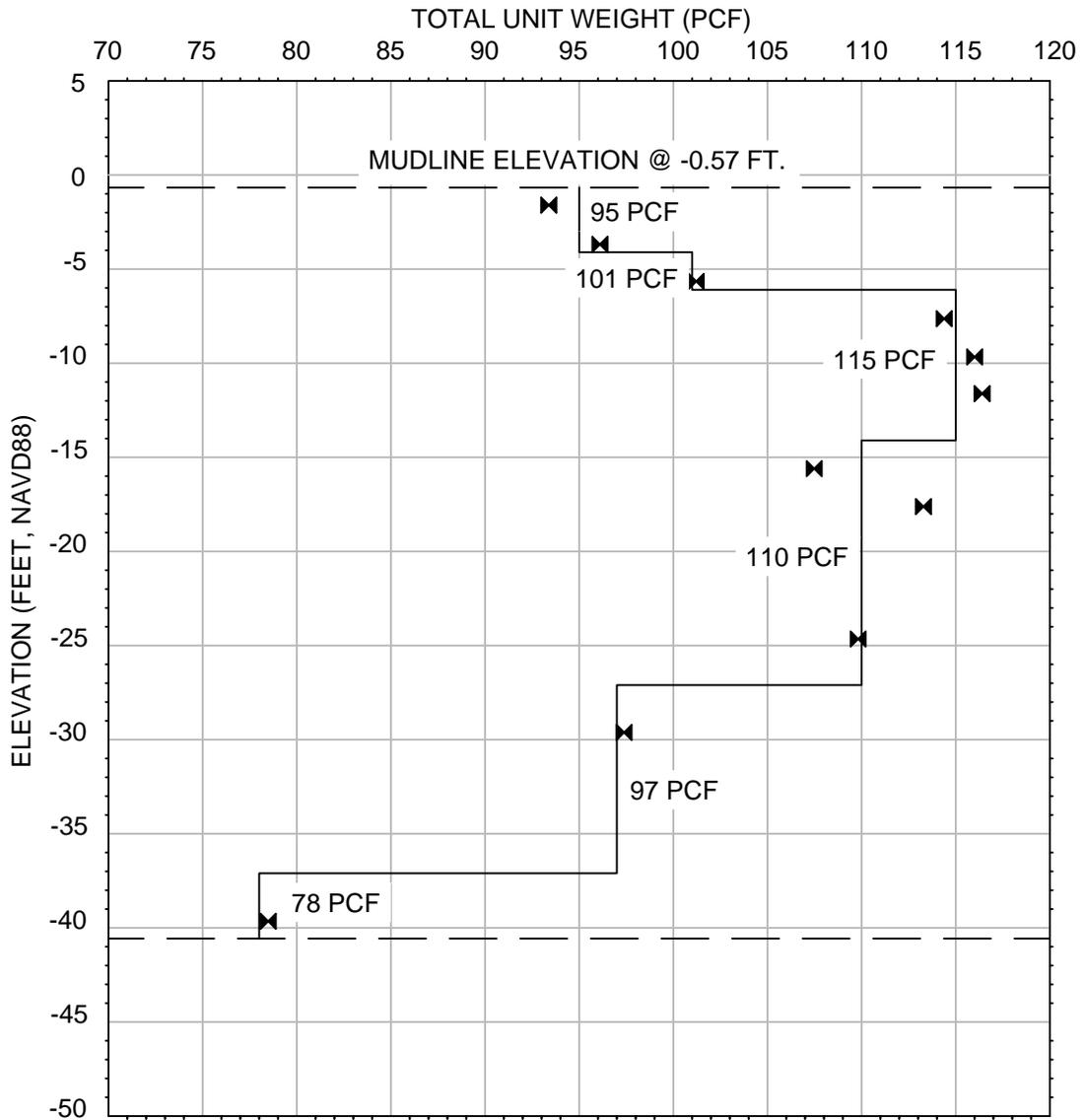
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D13c

VT:JLH

P:\16116715020\00\CAD\B-17.dwg\TAB:TWU1 modified on Aug 03, 2011 - 1:24pm



LEGEND

✕ B-17

**TOTAL UNIT WEIGHT VS ELEVATION
B-17**

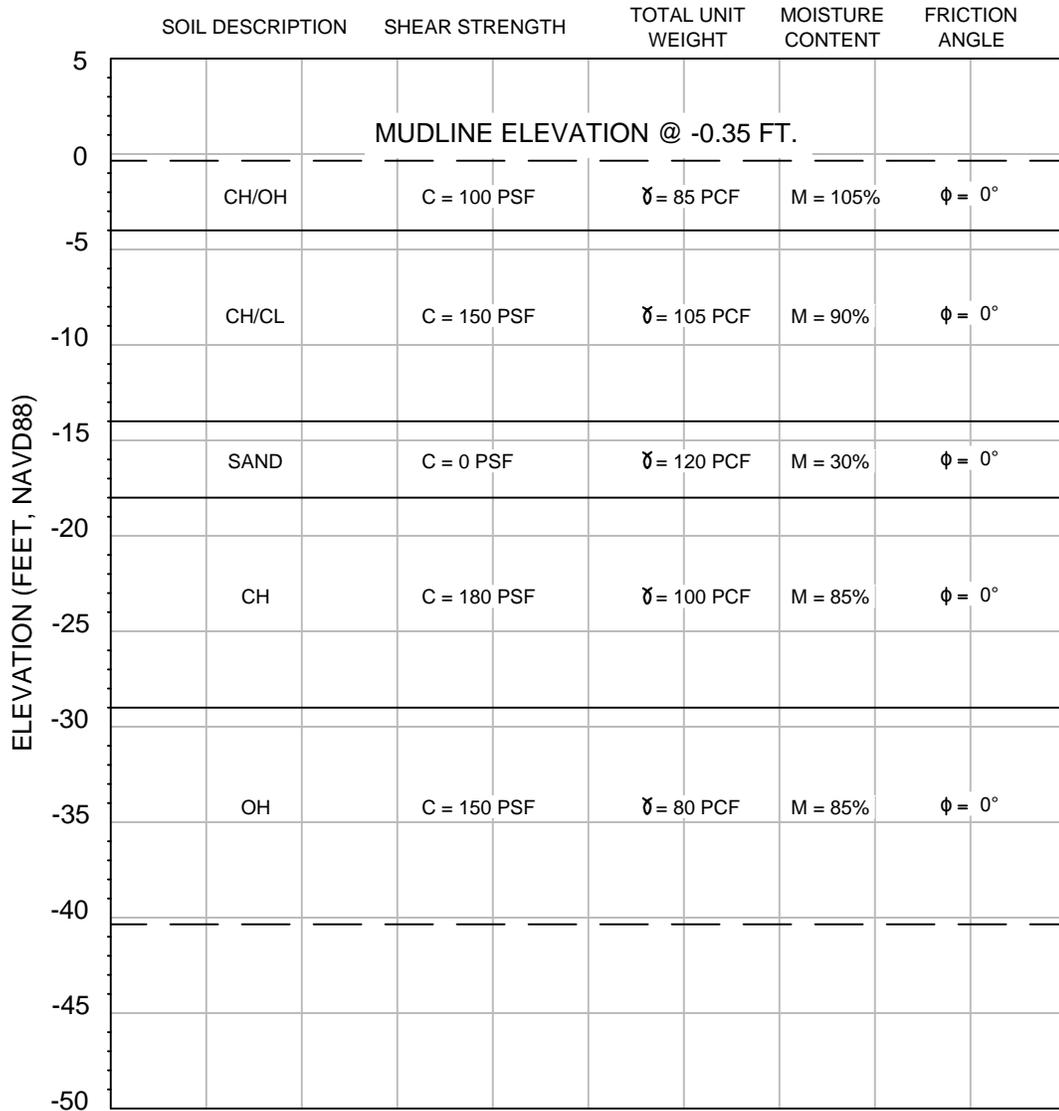
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D13d

VT : JLH

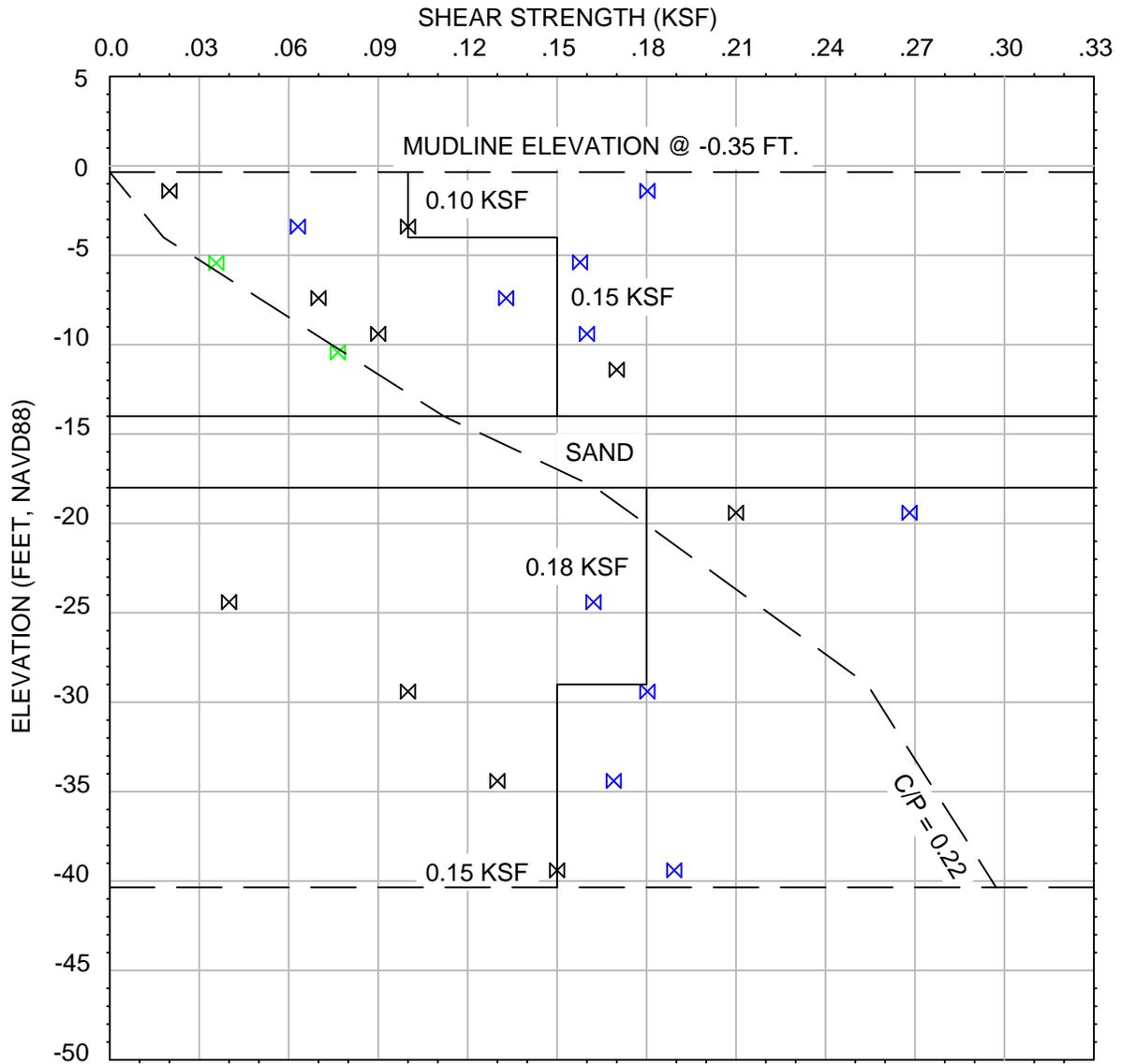
P:\16\16715020\00\CAD\B-18.dwg\TAB:Soil Summary modified on Aug 03, 2011 - 1:28pm



SOIL SUMMARY	
B-18	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS	Figure I-D14a

VT: JLH

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STRENGTH TEST
x B-18

LEGEND

MINIVANE
x B-18

FIELD VANE
x B-18

**SHEAR STRENGTH VS ELEVATION
B-18**

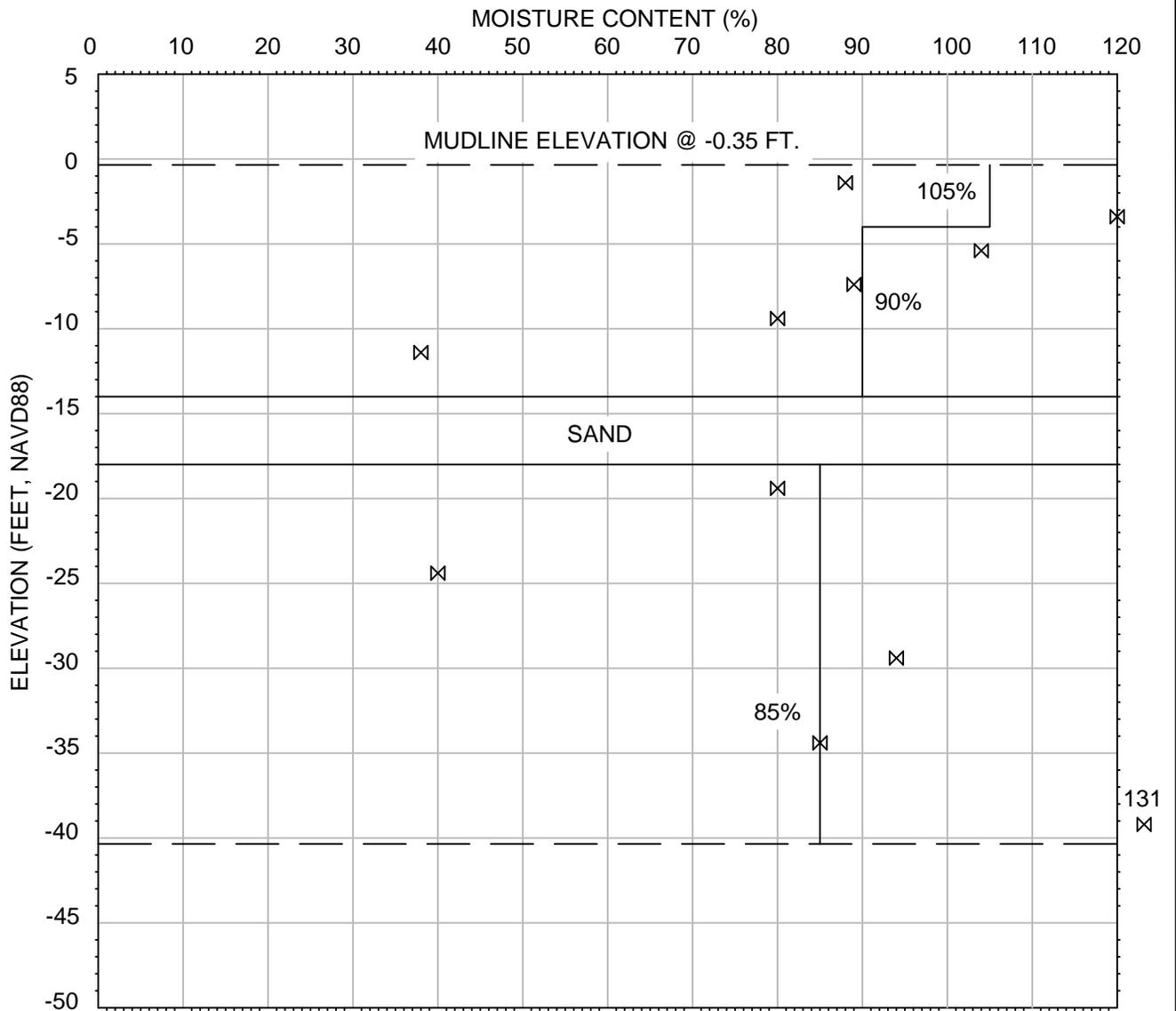
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D14b

VT : JLH

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LEGEND

✕ B-18

**MOISTURE CONTENT VS ELEVATION
B-18**

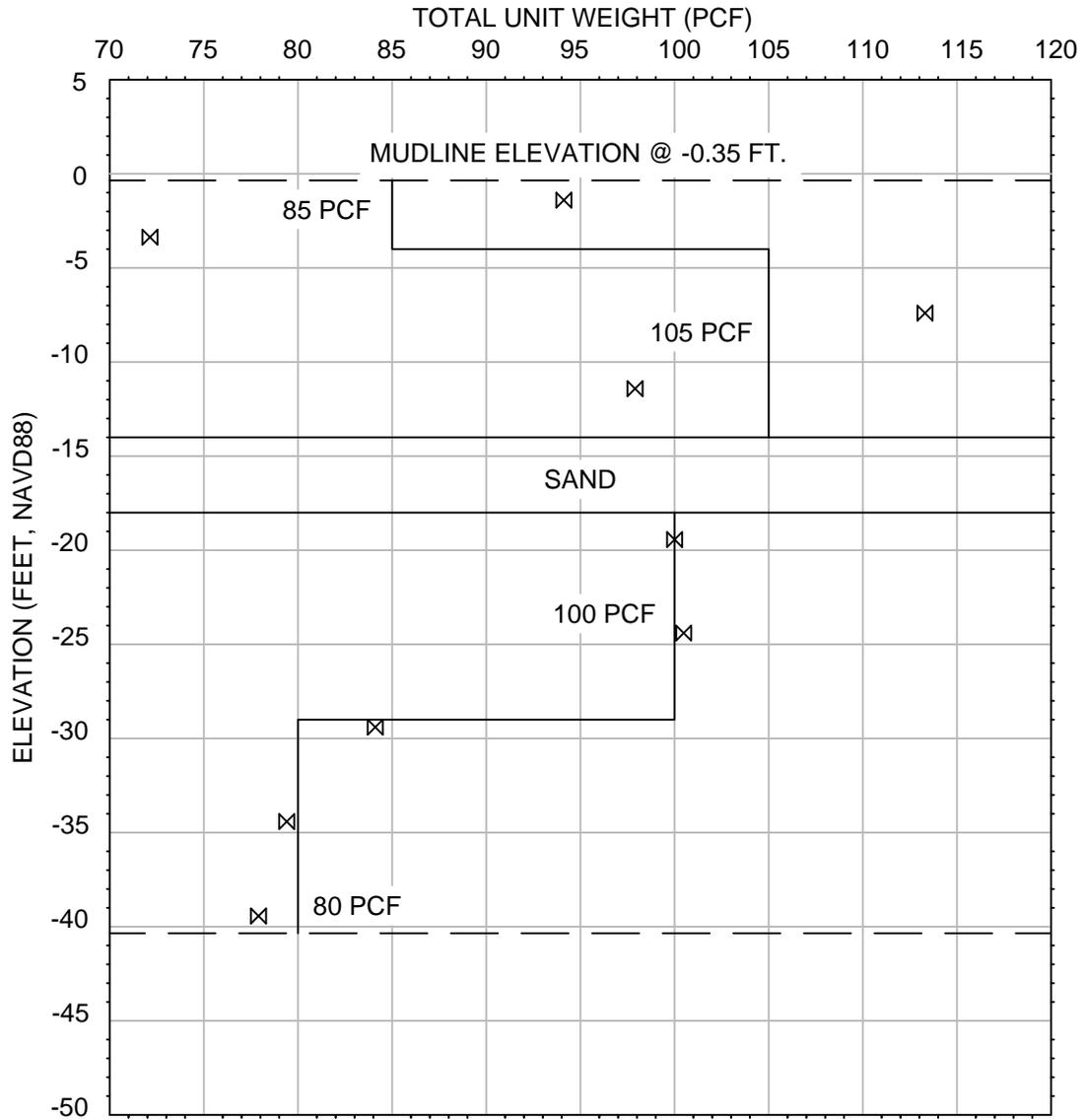
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D14c

VT : JLH

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LEGEND

X B-18

**TOTAL UNIT WEIGHT VS ELEVATION
B-18**

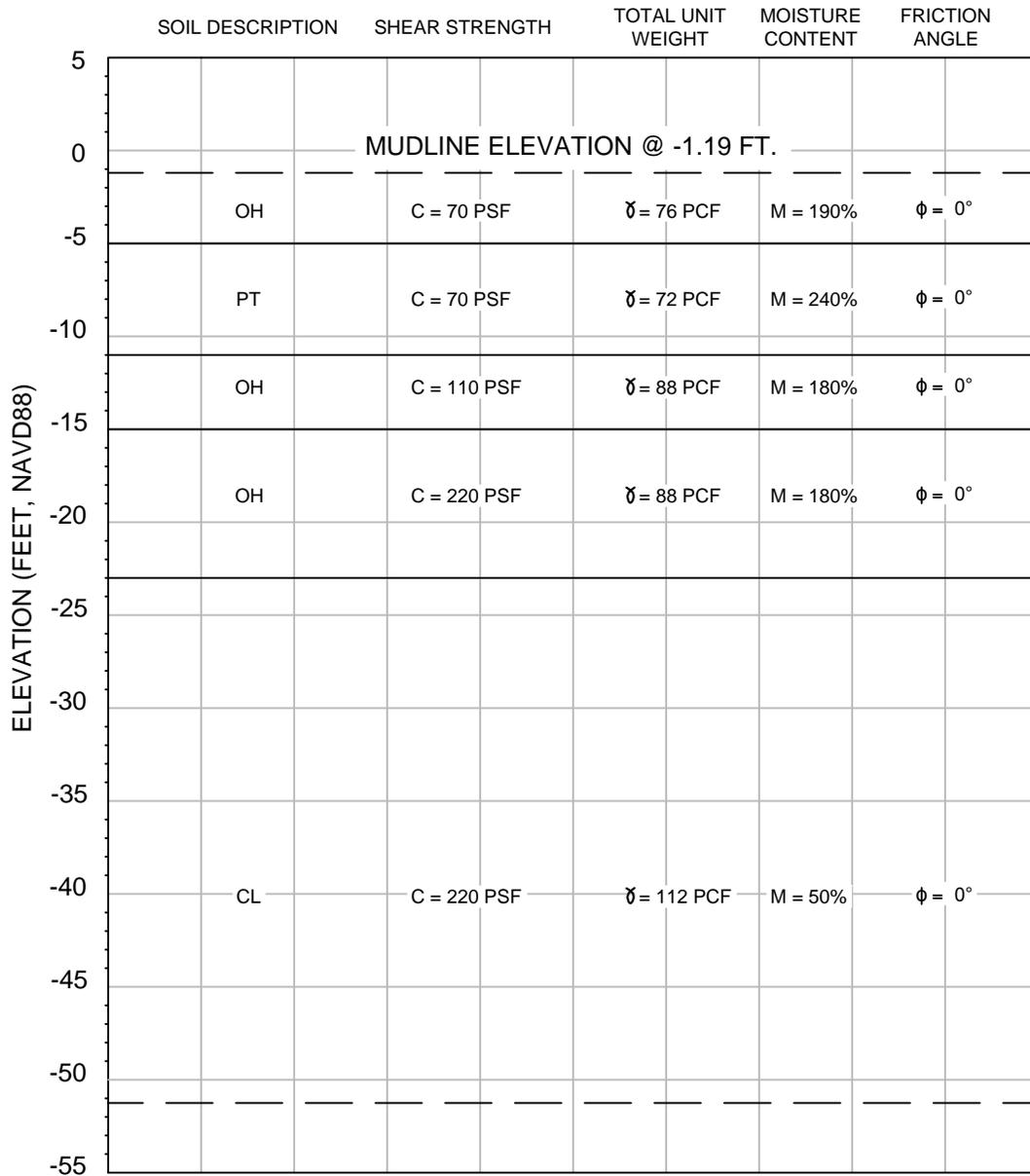
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D14d

VT : JLH

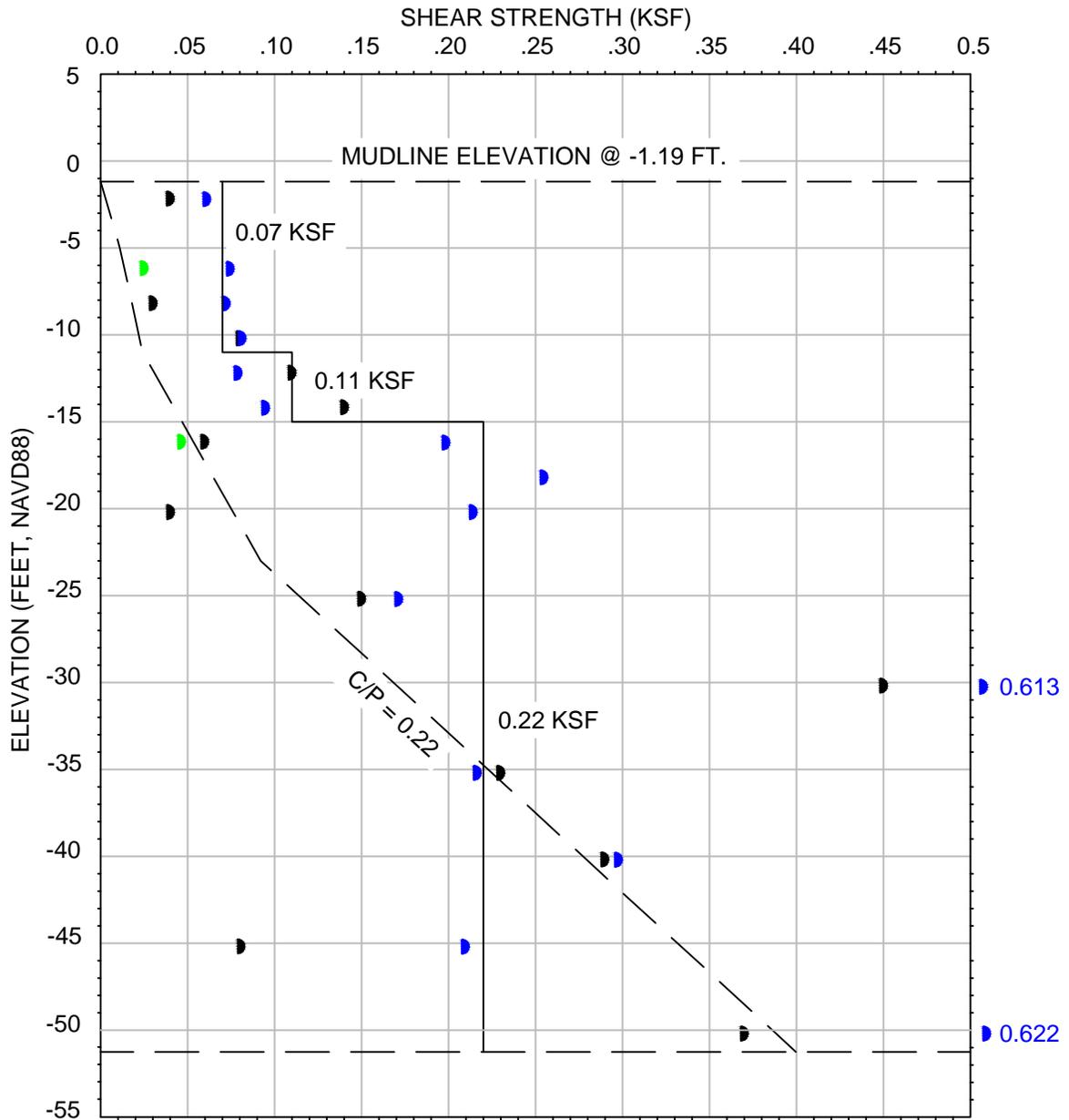
P:\16116715020\00\CAD\B-19.dwg\TAB:SS1 (2) modified on Aug 03, 2011 - 1:37pm



SOIL SUMMARY	
B-19	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D15a

VT: J.L.H

P:\16116715020\00\CAD\B-19.dwg\TAB:SS1 modified on Aug 03, 2011 - 1:37pm



STRENGTH TEST
 ▴ B-19

LEGEND

MINIVANE

▴ B-19

FIELD VANE

▴ B-19

**SHEAR STRENGTH VS ELEVATION
 B-19**

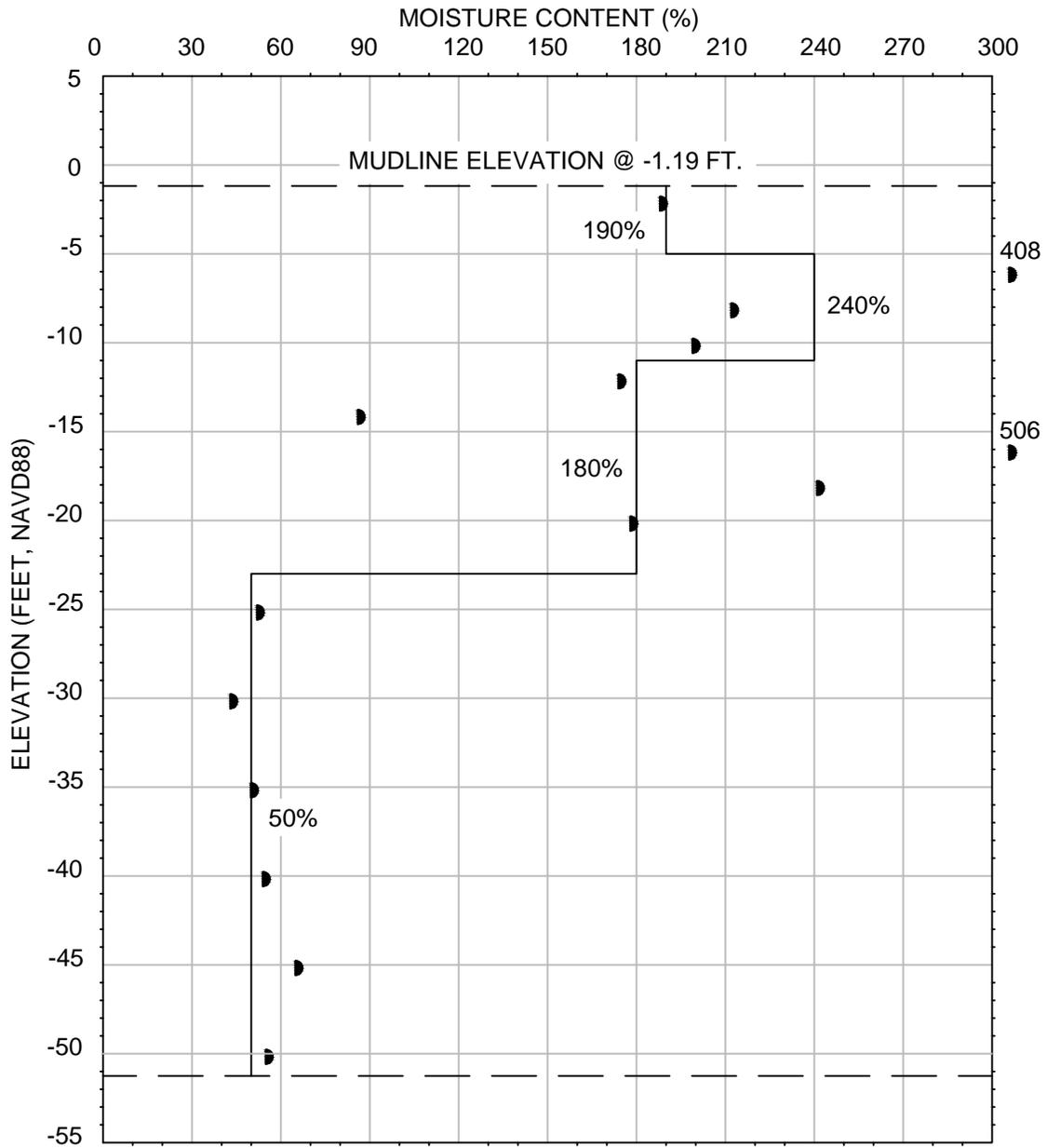
Lost Lake Marsh Creation and Hydrologic
 Restoration Project (TE-72)
 Terrebonne Parish, Louisiana



Figure I-D15b

VT : JLH

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LEGEND

● B-19

**MOISTURE CONTENT VS ELEVATION
B-19**

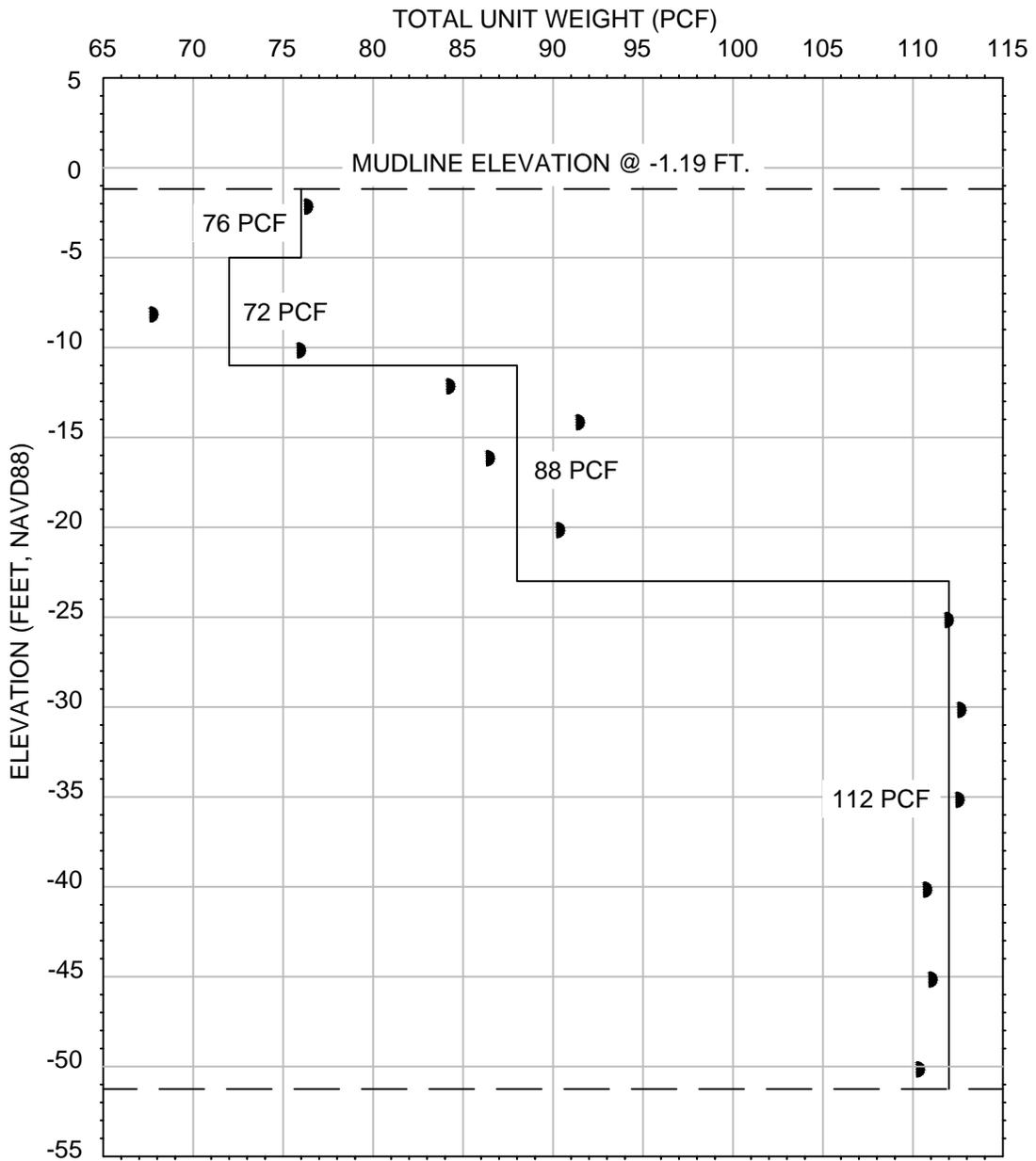
Lost Lake Marsh Creation and Hydrologic
Restoration Project (TE-72)
Terrebonne Parish, Louisiana



Figure
I-D15c

VT : JLH

P:\1616715020\00\CAD\B-19.dwg\TAB:TWU1 modified on Aug 03, 2011 - 1:37pm



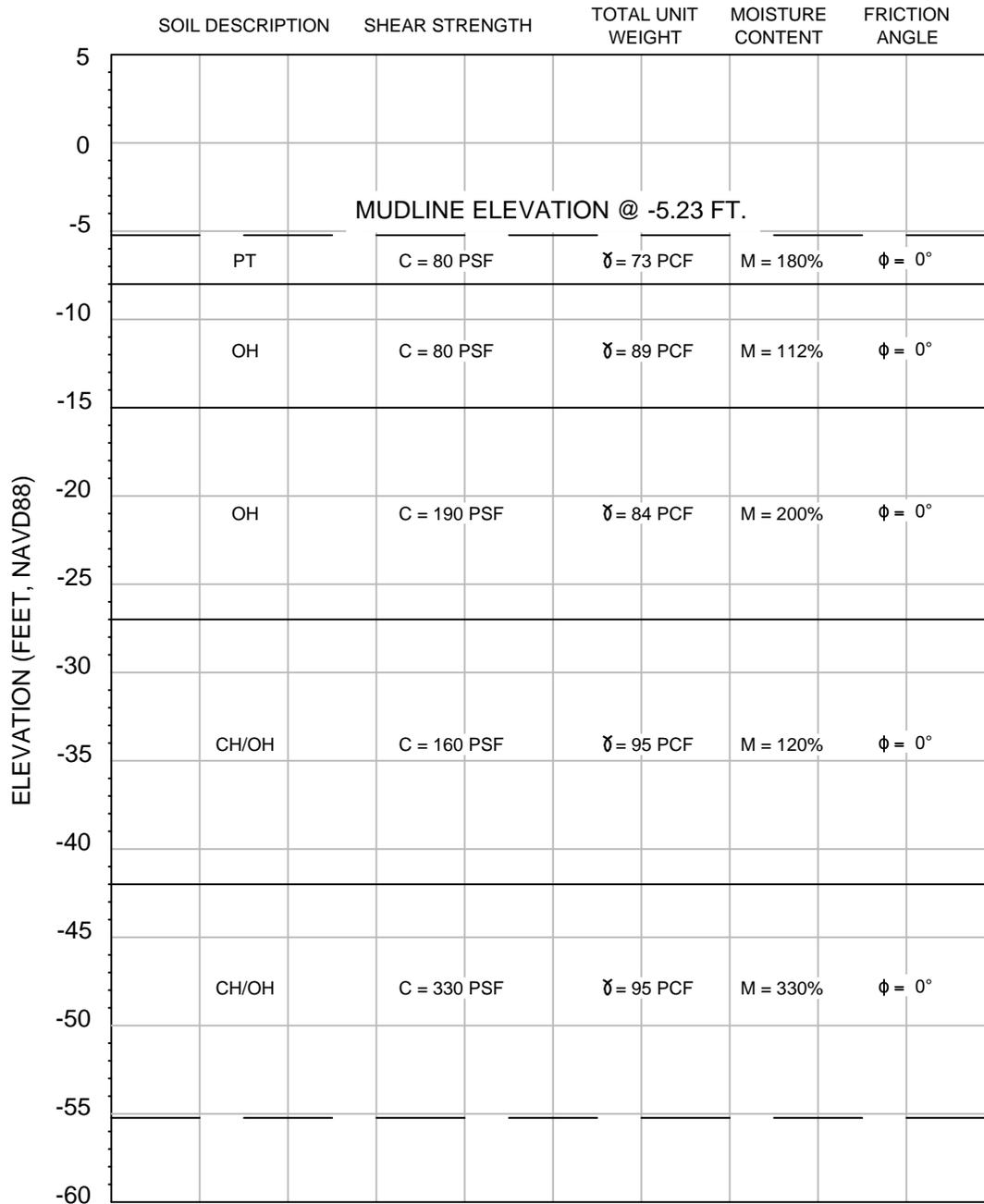
LEGEND

▀ B19

TOTAL UNIT WEIGHT VS ELEVATION B-19	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D15d

VT : JLH

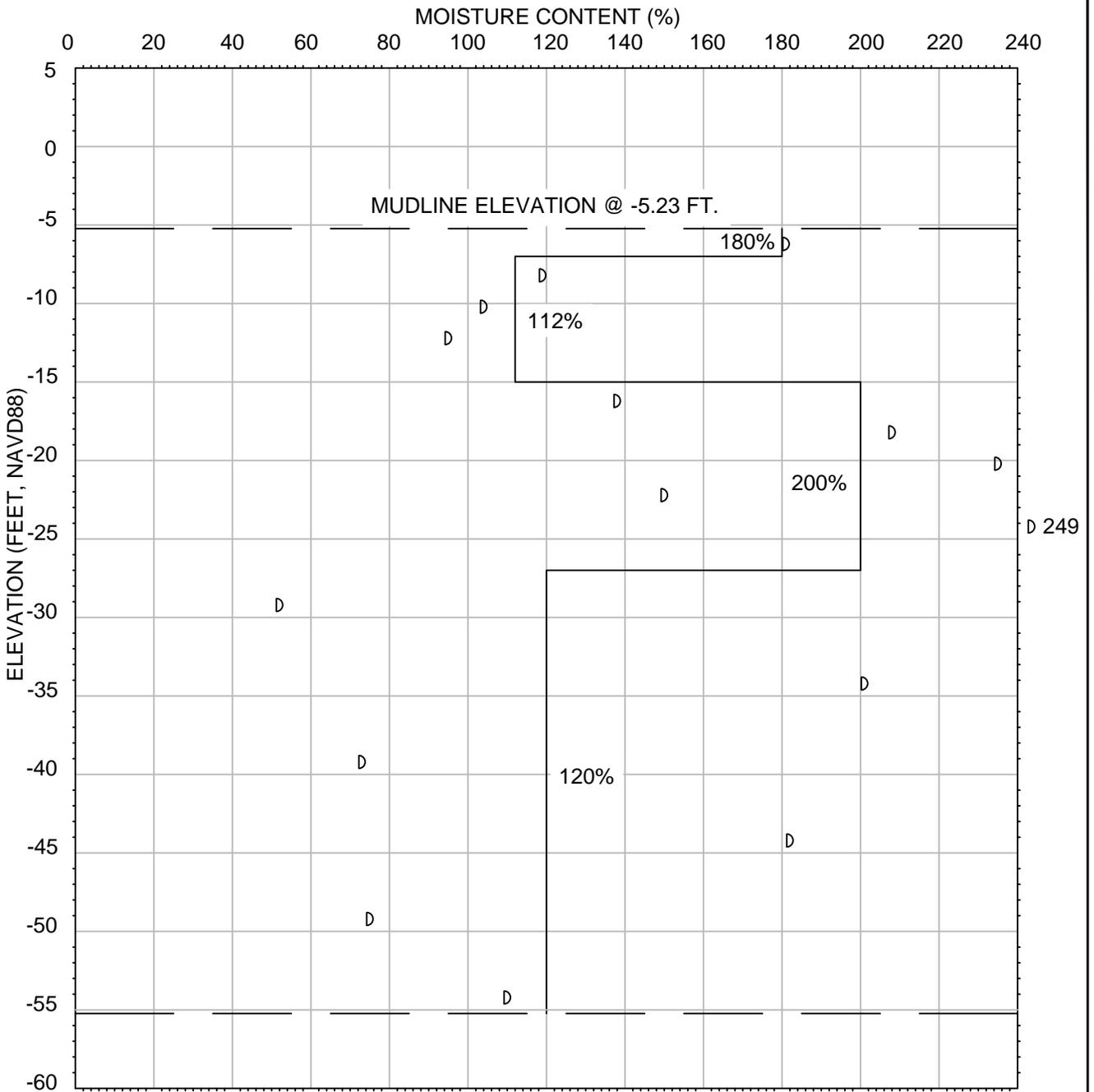
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SOIL SUMMARY	
B-20	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS	Figure I-D16a

VT : J.L.H

C:\Users\kcook\appdata\localtemp\AcPublish_3876\B-20.dwg\TAB\MC1 modified on Aug 03, 2011 - 1:44pm



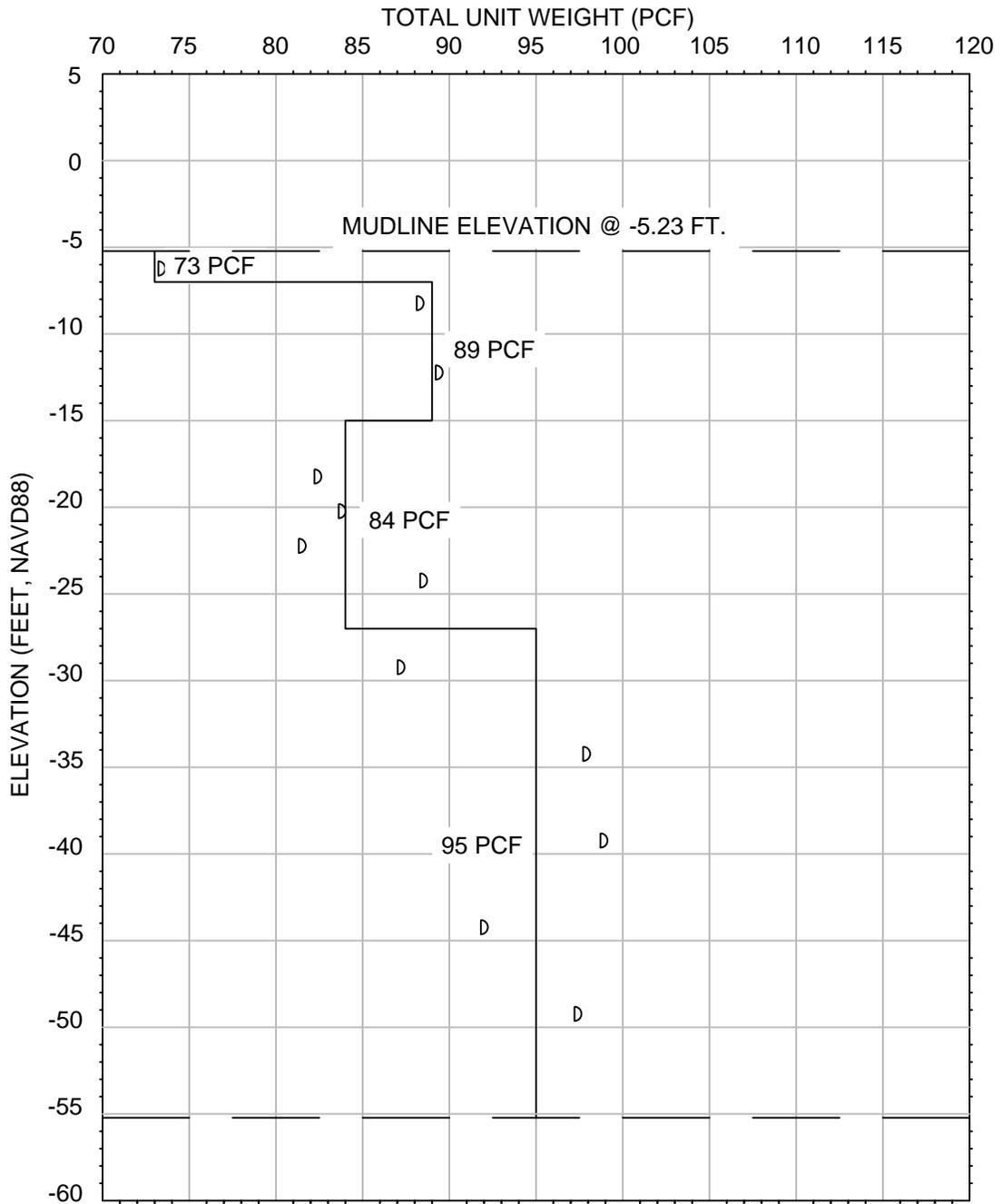
LEGEND

D B-20

MOISTURE CONTENT VS ELEVATION B-20	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D16c

VT : JLH

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LEGEND

D B-20

TOTAL UNIT WEIGHT VS ELEVATION B-20	
Lost Lake Marsh Creation and Hydrologic Restoration Project (TE-72) Terrebonne Parish, Louisiana	
GEOENGINEERS 	Figure I-D16d

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1

Total layer sett@ 30 days: 3.921 in (from SETANL)
 Total layer sett@ 45: 3.948
 Total layer sett@ 60: 2.693
 Total layer sett@ 110: 2.655
 Total layer sett@ 140: 2.222
 Total layer sett@ 180: 2.009
 Total layer sett@ 365: 1.831
 Total layer sett@ 545: 1.785
 Total layer sett@ 730: 1.762
 Total layer sett@ 1095: 1.738
 Total layer sett@ 1460: 1.738
 Total layer sett@ 1825: 1.738
 Total layer sett@ 3650: 1.738
 Total layer sett@ 20: 1.738
 Total layer sett@ 50: 1.738
 Cv: 0.02 ft²/day
 Hdr: 10 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	0.194211	0.175594	0.160036	0.156016	0.154006	0.151908	0.151908
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	0.237859	0.215058	0.196004	0.19108	0.188618	0.186048	0.186048
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	0.274656	0.248328	0.226326	0.22064	0.217797	0.21483	0.21483
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	0.371887	0.336238	0.306447	0.298748	0.294898	0.290882	0.290882
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	0.419545	0.379327	0.345718	0.337033	0.33269	0.328159	0.328159
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	0.475719	0.430117	0.392008	0.382159	0.377235	0.372097	0.372097
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	0.677424	0.612486	0.558219	0.544195	0.537183	0.529866	0.529866
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	0.827775	0.748425	0.682114	0.664977	0.656409	0.647468	0.647468
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	0.958022	0.866187	0.789441	0.769608	0.759692	0.749344	0.749344
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	1.173333	1.060858	0.966864	0.942574	0.930429	0.917755	0.917755
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	1.345663	1.216668	1.10887	1.081012	1.067083	1.052548	1.052548
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	1.490138	1.347294	1.227922	1.197073	1.181649	1.165554	1.165554
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	1.924684	1.740185	1.586002	1.546157	1.526235	1.505446	1.505446
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	2.172932	1.964636	1.790567	1.745582	1.72309	1.69962	1.69962
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	2.221779	2.008801	1.830818	1.784823	1.761825	1.737827	1.737827

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1

Total layer sett@ 30 days: 3.921 in (from SETANL)
 Total layer sett@ 45: 3.948
 Total layer sett@ 60: 2.693
 Total layer sett@ 110: 2.655
 Total layer sett@ 140: 2.222
 Total layer sett@ 180: 2.009
 Total layer sett@ 365: 1.831
 Total layer sett@ 545: 1.785
 Total layer sett@ 730: 1.762
 Total layer sett@ 1095: 1.738
 Total layer sett@ 1460: 1.738
 Total layer sett@ 1825: 1.738
 Total layer sett@ 3650: 1.738
 Total layer sett@ 20: 1.738
 Total layer sett@ 50: 1.738
 Cv: 0.02 ft²/day
 Hdr: 10 ft

Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	0.15190793	0.151908	0.151908	0.151908	30	0.002667
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	0.18604846	0.186048	0.186048	0.186048	45	0.004
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	0.21483026	0.21483	0.21483	0.21483	60	0.005333
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	0.29088155	0.290882	0.290882	0.290882	110	0.009778
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	0.32815864	0.328159	0.328159	0.328159	140	0.012444
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	0.37209693	0.372097	0.372097	0.372097	180	0.016
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	0.52986625	0.529866	0.529866	0.529866	365	0.032444
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	0.64746766	0.647468	0.647468	0.647468	545	0.048444
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	0.74934404	0.749344	0.749344	0.749344	730	0.064889
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	0.91775527	0.917755	0.917755	0.917755	1095	0.097333
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	1.05254825	1.052548	1.052548	1.052548	1460	0.129778
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	1.16555382	1.165554	1.165554	1.165554	1825	0.162222
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	1.50544616	1.505446	1.505446	1.505446	3650	0.324444
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	1.69962033	1.69962	1.69962	1.69962	7300	0.648889
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	1.73782748	1.737827	1.737827	1.737827	18250	1.622222

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1				Layer 2			
Total layer sett@ 30 days:	3.921 in	(from SETANL)		0.499 in	(from SETANL)			
Total layer sett@ 45:	3.948			0.503				
Total layer sett@ 60:	2.693			0.319				
Total layer sett@ 110:	2.655			0.314				
Total layer sett@ 140:	2.222			0.255				
Total layer sett@ 180:	2.009			0.228				
Total layer sett@ 365:	1.831			0.205				
Total layer sett@ 545:	1.785			0.199				
Total layer sett@ 730:	1.762			0.196				
Total layer sett@ 1095:	1.738			0.194				
Total layer sett@ 1460:	1.738			0.194				
Total layer sett@ 1825:	1.738			0.194				
Total layer sett@ 3650:	1.738			0.194				
Total layer sett@ 20:	1.738			0.194				
Total layer sett@ 50:	1.738			0.194				
Cv:	0.02 ft ² /day			0.02 ft ² /day				
Hdr:	10 ft			15 ft				

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	5.82692496	0.029076	0.029309	0.018588	0.018297	0.014859	0.013285
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	7.13649646	0.035611	0.035897	0.022765	0.022409	0.018198	0.016271
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	8.24051631	0.04112	0.04145	0.026287	0.025875	0.021013	0.018788
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	11.1577118	0.055677	0.056123	0.035593	0.035035	0.028452	0.02544
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	12.5875966	0.062812	0.063316	0.040154	0.039525	0.032098	0.0287
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	14.2729929	0.071222	0.071793	0.045531	0.044817	0.036396	0.032542
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	20.3247508	0.101421	0.102233	0.064836	0.06382	0.051828	0.04634
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	24.8357368	0.12393	0.124924	0.079226	0.077984	0.063331	0.056625
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	28.7435383	0.14343	0.14458	0.091692	0.090255	0.073296	0.065535
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	35.2035011	0.175665	0.177074	0.112299	0.110539	0.089769	0.080264
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	40.6495017	0.202841	0.204467	0.129672	0.127639	0.103656	0.092681
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	45.4475245	0.226783	0.228601	0.144978	0.142705	0.115891	0.10362
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	63.5956909	0.317342	0.319886	0.20287	0.19969	0.162169	0.144998
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	83.6540732	0.417434	0.42078	0.266856	0.262674	0.213318	0.190731
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	98.520279	0.491616	0.495557	0.31428	0.309354	0.251227	0.224626

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1	
Total layer sett@ 30 days:	3.921 in	(from SETANL)
Total layer sett@ 45:	3.948	
Total layer sett@ 60:	2.693	
Total layer sett@ 110:	2.655	
Total layer sett@ 140:	2.222	
Total layer sett@ 180:	2.009	
Total layer sett@ 365:	1.831	
Total layer sett@ 545:	1.785	
Total layer sett@ 730:	1.762	
Total layer sett@ 1095:	1.738	
Total layer sett@ 1460:	1.738	
Total layer sett@ 1825:	1.738	
Total layer sett@ 3650:	1.738	
Total layer sett@ 20:	1.738	
Total layer sett@ 50:	1.738	
Cv:	0.02 ft ² /day	
Hdr:	10 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460	Sett@5yr	Sett@10yr
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	0.011945	0.011596	0.011421	0.011304	0.011304	0.011304	0.011304
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	0.01463	0.014202	0.013988	0.013845	0.013845	0.013845	0.013845
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	0.016893	0.016399	0.016151	0.015987	0.015987	0.015987	0.015987
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	0.022873	0.022204	0.021869	0.021646	0.021646	0.021646	0.021646
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	0.025805	0.025049	0.024672	0.02442	0.02442	0.02442	0.02442
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	0.02926	0.028403	0.027975	0.02769	0.02769	0.02769	0.02769
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	0.041666	0.040446	0.039837	0.03943	0.03943	0.03943	0.03943
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	0.050913	0.049423	0.048678	0.048181	0.048181	0.048181	0.048181
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	0.058924	0.0572	0.056337	0.055762	0.055762	0.055762	0.055762
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	0.072167	0.070055	0.068999	0.068295	0.068295	0.068295	0.068295
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	0.083331	0.080893	0.079673	0.07886	0.07886	0.07886	0.07886
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	0.093167	0.090441	0.089077	0.088168	0.088168	0.088168	0.088168
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	0.130371	0.126555	0.124648	0.123376	0.123376	0.123376	0.123376
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	0.171491	0.166472	0.163962	0.162289	0.162289	0.162289	0.162289
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	0.201967	0.196055	0.1931	0.191129	0.191129	0.191129	0.191129

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

		Layer 1	
Total layer sett@ 30 days:	3.921 in	(from SETANL)	
Total layer sett@ 45:	3.948		
Total layer sett@ 60:	2.693		
Total layer sett@ 110:	2.655		
Total layer sett@ 140:	2.222		
Total layer sett@ 180:	2.009		
Total layer sett@ 365:	1.831		
Total layer sett@ 545:	1.785		
Total layer sett@ 730:	1.762		
Total layer sett@ 1095:	1.738		
Total layer sett@ 1460:	1.738		
Total layer sett@ 1825:	1.738		
Total layer sett@ 3650:	1.738		
Total layer sett@ 20:	1.738		
Total layer sett@ 50:	1.738		
Cv:	0.02 ft ² /day		
Hdr:	10 ft		

Total layer sett@ 30 days:	4.662 in
Total layer sett@ 45:	4.706
Total layer sett@ 60:	2.874
Total layer sett@ 110:	2.824
Total layer sett@ 140:	2.273
Total layer sett@ 180:	2.015
Total layer sett@ 365:	1.806
Total layer sett@ 545:	1.754
Total layer sett@ 730:	1.727
Total layer sett@ 1095:	1.701
Total layer sett@ 1460:	1.701
Total layer sett@ 1825:	1.701
Total layer sett@ 3650:	1.701
Total layer sett@ 20:	1.701
Total layer sett@ 50:	1.701
Cv:	0.02 ft ² /day
Hdr:	25 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	0.011304	0.011304
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	0.013845	0.013845
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	0.015987	0.015987
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	0.021646	0.021646
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	0.02442	0.02442
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	0.02769	0.02769
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	0.03943	0.03943
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	0.048181	0.048181
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	0.055762	0.055762
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	0.068295	0.068295
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	0.07886	0.07886
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	0.088168	0.088168
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	0.123376	0.123376
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	0.162289	0.162289
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	0.191129	0.191129

time, t (days)	Tv	U	Sett@30
0	0	0	0
30	0.00096	3.496155	0.162991
45	0.00144	4.281898	0.199622
60	0.00192	4.94431	0.230504
110	0.00352	6.694627	0.312104
140	0.00448	7.552558	0.3521
180	0.00576	8.563796	0.399244
365	0.01168	12.19485	0.568524
545	0.01744	14.90144	0.694705
730	0.02336	17.24612	0.804014
1095	0.03504	21.1221	0.984712
1460	0.04672	24.3897	1.137048
1825	0.0584	27.26851	1.271258
3650	0.1168	38.5635	1.797831
7300	0.2336	54.53703	2.542516
18250	0.584	80.81516	3.767603

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

		Layer 1					Layer 3							
Total layer sett@ 30 days:		3.921 in	(from SETANL)											
Total layer sett@ 45:		3.948												
Total layer sett@ 60:		2.693												
Total layer sett@ 110:		2.655												
Total layer sett@ 140:		2.222												
Total layer sett@ 180:		2.009												
Total layer sett@ 365:		1.831												
Total layer sett@ 545:		1.785												
Total layer sett@ 730:		1.762												
Total layer sett@ 1095:		1.738												
Total layer sett@ 1460:		1.738												
Total layer sett@ 1825:		1.738												
Total layer sett@ 3650:		1.738												
Total layer sett@ 20:		1.738												
Total layer sett@ 50:		1.738												
Cv:		0.02 ft ² /day												
Hdr:		10 ft												
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	0.164529	0.100479	0.098731	0.079468	0.070448	0.063141	0.061323	
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	0.201506	0.123062	0.120921	0.097328	0.08628	0.077331	0.075104	
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	0.232679	0.142099	0.139627	0.112384	0.099628	0.089294	0.086723	
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	0.315049	0.192404	0.189056	0.152169	0.134897	0.120905	0.117424	
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	0.355423	0.217061	0.213284	0.17167	0.152184	0.136399	0.132472	
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	0.403012	0.246123	0.241842	0.194655	0.17256	0.154662	0.150209	
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	0.57389	0.35048	0.344383	0.277189	0.245726	0.220239	0.213898	
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	0.701262	0.428267	0.420817	0.33871	0.300264	0.26912	0.261371	
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	0.811603	0.495654	0.487031	0.392004	0.347509	0.311465	0.302497	
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	0.994006	0.607049	0.596488	0.480105	0.42561	0.381465	0.370482	
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	1.147779	0.70096	0.688765	0.554378	0.491452	0.440478	0.427795	
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	1.283256	0.783697	0.770063	0.619813	0.549461	0.492469	0.47829	
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	1.814798	1.108315	1.089033	0.876548	0.777055	0.696457	0.676404	
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	2.566513	1.567394	1.540126	1.239627	1.098921	0.984939	0.956579	
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	3.803161	2.322628	2.28222	1.836929	1.628425	1.459522	1.417498	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1			Layer 4		
Total layer sett@ 30 days:	3.921 in	(from SETANL)	Total layer sett@ 30 days:	2.022 in	(from SETA
Total layer sett@ 45:	3.948		Total layer sett@ 45:	2.042	
Total layer sett@ 60:	2.693		Total layer sett@ 60:	1.222	
Total layer sett@ 110:	2.655		Total layer sett@ 110:	1.2	
Total layer sett@ 140:	2.222		Total layer sett@ 140:	0.96	
Total layer sett@ 180:	2.009		Total layer sett@ 180:	0.848	
Total layer sett@ 365:	1.831		Total layer sett@ 365:	0.759	
Total layer sett@ 545:	1.785		Total layer sett@ 545:	0.736	
Total layer sett@ 730:	1.762		Total layer sett@ 730:	0.725	
Total layer sett@ 1095:	1.738		Total layer sett@ 1095:	0.714	
Total layer sett@ 1460:	1.738		Total layer sett@ 1460:	0.714	
Total layer sett@ 1825:	1.738		Total layer sett@ 1825:	0.714	
Total layer sett@ 3650:	1.738		Total layer sett@ 3650:	0.714	
Total layer sett@ 20:	1.738		Total layer sett@ 20:	0.714	
Total layer sett@ 50:	1.738		Total layer sett@ 50:	0.714	
Cv:	0.02 ft ² /day		Cv:	0.04 ft ² /day	
Hdr:	10 ft		Hdr:	43 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	time, t (days)	Tv	U	Sett@30	Sett@45
0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	30	0.000649	2.874599	0.058124	0.058699
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	45	0.000973	3.52065	0.071188	0.071892
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	60	0.001298	4.065296	0.0822	0.083013
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	110	0.00238	5.504437	0.1113	0.112401
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	140	0.003029	6.209843	0.125563	0.126805
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	180	0.003894	7.0413	0.142375	0.143783
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	365	0.007896	10.02682	0.202742	0.204748
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	545	0.01179	12.25222	0.24774	0.25019
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	730	0.015792	14.18006	0.286721	0.289557
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	1095	0.023688	17.36695	0.35116	0.354633
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	1460	0.031585	20.05363	0.405484	0.409495
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	1825	0.039481	22.42064	0.453345	0.457829
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	3650	0.078962	31.70758	0.641127	0.647469
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	7300	0.157923	44.84128	0.906691	0.915659
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	18250	0.394808	69.39895	1.403247	1.417127

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1	
Total layer sett@ 30 days:	3.921 in	(from SETANL) NL)
Total layer sett@ 45:	3.948	
Total layer sett@ 60:	2.693	
Total layer sett@ 110:	2.655	
Total layer sett@ 140:	2.222	
Total layer sett@ 180:	2.009	
Total layer sett@ 365:	1.831	
Total layer sett@ 545:	1.785	
Total layer sett@ 730:	1.762	
Total layer sett@ 1095:	1.738	
Total layer sett@ 1460:	1.738	
Total layer sett@ 1825:	1.738	
Total layer sett@ 3650:	1.738	
Total layer sett@ 20:	1.738	
Total layer sett@ 50:	1.738	
Cv:	0.02 ft ² /day	
Hdr:	10 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	0.035128	0.034495	0.027596	0.024377	0.021818	0.021157	0.020841
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	0.043022	0.042248	0.033798	0.029855	0.026722	0.025912	0.025525
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	0.049678	0.048784	0.039027	0.034474	0.030856	0.029921	0.029473
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	0.067264	0.066053	0.052843	0.046678	0.041779	0.040513	0.039907
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	0.075884	0.074518	0.059614	0.052659	0.047133	0.045704	0.045021
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	0.086045	0.084496	0.067596	0.05971	0.053443	0.051824	0.051049
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	0.122528	0.120322	0.096257	0.085027	0.076104	0.073797	0.072694
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	0.149722	0.147027	0.117621	0.103899	0.092994	0.090176	0.088829
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	0.17328	0.170161	0.136129	0.120247	0.107627	0.104365	0.102805
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	0.212224	0.208403	0.166723	0.147272	0.131815	0.127821	0.12591
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	0.245055	0.240644	0.192515	0.170055	0.152207	0.147595	0.145389
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	0.27398	0.269048	0.215238	0.190127	0.170173	0.165016	0.16255
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	0.387467	0.380491	0.304393	0.26888	0.24066	0.233368	0.22988
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	0.54796	0.538095	0.430476	0.380254	0.340345	0.330032	0.325099
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	0.848055	0.832787	0.66623	0.588503	0.526738	0.510776	0.503142

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1			Layer 5		
Total layer sett@ 30 days:	3.921 in	(from SETANL)		al layer sett@ 30 days:	1.572 in	(from SETANL)
Total layer sett@ 45:	3.948			Total layer sett@ 45:	1.587	
Total layer sett@ 60:	2.693			Total layer sett@ 60:	0.943	
Total layer sett@ 110:	2.655			Total layer sett@ 110:	0.926	
Total layer sett@ 140:	2.222			Total layer sett@ 140:	0.739	
Total layer sett@ 180:	2.009			Total layer sett@ 180:	0.652	
Total layer sett@ 365:	1.831			Total layer sett@ 365:	0.583	
Total layer sett@ 545:	1.785			Total layer sett@ 545:	0.565	
Total layer sett@ 730:	1.762			Total layer sett@ 730:	0.557	
Total layer sett@ 1095:	1.738			Total layer sett@ 1095:	0.548	
Total layer sett@ 1460:	1.738			Total layer sett@ 1460:	0.548	
Total layer sett@ 1825:	1.738			Total layer sett@ 1825:	0.548	
Total layer sett@ 3650:	1.738			Total layer sett@ 3650:	0.548	
Total layer sett@ 20:	1.738			Total layer sett@ 20:	0.548	
Total layer sett@ 50:	1.738			Total layer sett@ 50:	0.548	
Cv:	0.02 ft ² /day			Cv:	0.04 ft ² /day	
Hdr:	10 ft			Hdr:	48 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	30	0.000521	2.575161	0.040482	0.040868	0.024284	0.023846
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	45	0.000781	3.153916	0.04958	0.050053	0.029741	0.029205
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	60	0.001042	3.641828	0.05725	0.057796	0.034342	0.033723
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	110	0.00191	4.931059	0.077516	0.078256	0.0465	0.045662
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	140	0.002431	5.562984	0.08745	0.088285	0.052459	0.051513
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	180	0.003125	6.307831	0.099159	0.100105	0.059483	0.058411
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	365	0.006337	8.982356	0.141203	0.14255	0.084704	0.083177
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	545	0.009462	10.97595	0.172542	0.174188	0.103503	0.101637
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	730	0.012674	12.70297	0.199691	0.201596	0.119789	0.117629
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	1095	0.01901	15.5579	0.24457	0.246904	0.146711	0.144066
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	1460	0.025347	17.96471	0.282405	0.2851	0.169407	0.166353
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	1825	0.031684	20.08516	0.315739	0.318751	0.189403	0.185989
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	3650	0.063368	28.4047	0.446522	0.450783	0.267856	0.263028
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	7300	0.126736	40.17032	0.631477	0.637503	0.378806	0.371977
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	18250	0.31684	62.90605	0.988883	0.998319	0.593204	0.58251

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1	
Total layer sett@ 30 days:	3.921 in	(from SETANL)
Total layer sett@ 45:	3.948	
Total layer sett@ 60:	2.693	
Total layer sett@ 110:	2.655	
Total layer sett@ 140:	2.222	
Total layer sett@ 180:	2.009	
Total layer sett@ 365:	1.831	
Total layer sett@ 545:	1.785	
Total layer sett@ 730:	1.762	
Total layer sett@ 1095:	1.738	
Total layer sett@ 1460:	1.738	
Total layer sett@ 1825:	1.738	
Total layer sett@ 3650:	1.738	
Total layer sett@ 20:	1.738	
Total layer sett@ 50:	1.738	
Cv:	0.02 ft ² /day	
Hdr:	10 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	0.01903	0.01679	0.015013	0.01455	0.014344	0.014112	0.014112
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	0.023307	0.020564	0.018387	0.01782	0.017567	0.017283	0.017283
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	0.026913	0.023745	0.021232	0.020576	0.020285	0.019957	0.019957
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	0.036441	0.032151	0.028748	0.02786	0.027466	0.027022	0.027022
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	0.04111	0.036271	0.032432	0.031431	0.030986	0.030485	0.030485
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	0.046615	0.041127	0.036775	0.035639	0.035135	0.034567	0.034567
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	0.06638	0.058565	0.052367	0.05075	0.050032	0.049223	0.049223
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	0.081112	0.071563	0.06399	0.062014	0.061136	0.060148	0.060148
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	0.093875	0.082823	0.074058	0.071772	0.070756	0.069612	0.069612
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	0.114973	0.101437	0.090703	0.087902	0.086657	0.085257	0.085257
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	0.132759	0.11713	0.104734	0.101501	0.100063	0.098447	0.098447
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	0.148429	0.130955	0.117096	0.113481	0.111874	0.110067	0.110067
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	0.209911	0.185199	0.165599	0.160487	0.158214	0.155658	0.155658
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	0.296859	0.26191	0.234193	0.226962	0.223749	0.220133	0.220133
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	0.464876	0.410147	0.366742	0.355419	0.350387	0.344725	0.344725

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1
(from SETANL)

Total layer sett@ 30 days: 3.921 in
 Total layer sett@ 45: 3.948
 Total layer sett@ 60: 2.693
 Total layer sett@ 110: 2.655
 Total layer sett@ 140: 2.222
 Total layer sett@ 180: 2.009
 Total layer sett@ 365: 1.831
 Total layer sett@ 545: 1.785
 Total layer sett@ 730: 1.762
 Total layer sett@ 1095: 1.738
 Total layer sett@ 1460: 1.738
 Total layer sett@ 1825: 1.738
 Total layer sett@ 3650: 1.738
 Total layer sett@ 20: 1.738
 Total layer sett@ 50: 1.738
 Cv: 0.02 ft²/day
 Hdr: 10 ft

Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	0.014112	0.014112	0.014112	0.014112	30	0.00022
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	0.017283	0.017283	0.017283	0.017283	45	0.00033
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	0.019957	0.019957	0.019957	0.019957	60	0.000439
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	0.027022	0.027022	0.027022	0.027022	110	0.000806
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	0.030485	0.030485	0.030485	0.030485	140	0.001025
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	0.034567	0.034567	0.034567	0.034567	180	0.001318
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	0.049223	0.049223	0.049223	0.049223	365	0.002673
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	0.060148	0.060148	0.060148	0.060148	545	0.003992
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	0.069612	0.069612	0.069612	0.069612	730	0.005347
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	0.085257	0.085257	0.085257	0.085257	1095	0.00802
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	0.098447	0.098447	0.098447	0.098447	1460	0.010693
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	0.110067	0.110067	0.110067	0.110067	1825	0.013367
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	0.155658	0.155658	0.155658	0.155658	3650	0.026733
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	0.220133	0.220133	0.220133	0.220133	7300	0.053467
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	0.344725	0.344725	0.344725	0.344725	18250	0.133667

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1	Layer 6
Total layer sett@ 30 days:	3.921 in (from SETANL)	3.213 in (from SETANL)
Total layer sett@ 45:	3.948	3.246
Total layer sett@ 60:	2.693	1.91
Total layer sett@ 110:	2.655	1.875
Total layer sett@ 140:	2.222	1.492
Total layer sett@ 180:	2.009	1.316
Total layer sett@ 365:	1.831	1.175
Total layer sett@ 545:	1.785	1.139
Total layer sett@ 730:	1.762	1.121
Total layer sett@ 1095:	1.738	1.104
Total layer sett@ 1460:	1.738	1.104
Total layer sett@ 1825:	1.738	1.104
Total layer sett@ 3650:	1.738	1.104
Total layer sett@ 20:	1.738	1.104
Total layer sett@ 50:	1.738	1.104
Cv:	0.02 ft ² /day	0.03 ft ² /day
Hdr:	10 ft	64 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	1.672616	0.053741	0.054293	0.031947	0.031362	0.024955	0.022012
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	2.048528	0.065819	0.066495	0.039127	0.03841	0.030564	0.026959
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	2.365437	0.076001	0.076782	0.04518	0.044352	0.035292	0.031129
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	3.202816	0.102906	0.103963	0.061174	0.060053	0.047786	0.042149
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	3.613264	0.116094	0.117287	0.069013	0.067749	0.05391	0.047551
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	4.097057	0.131638	0.13299	0.078254	0.07682	0.061128	0.053917
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	5.834211	0.187453	0.189378	0.111433	0.109391	0.087046	0.076778
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	7.129088	0.229058	0.23141	0.136166	0.13367	0.106366	0.093819
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	8.250821	0.265099	0.267822	0.157591	0.154703	0.123102	0.108581
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	10.10515	0.324678	0.328013	0.193008	0.189472	0.150769	0.132984
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	11.66842	0.374906	0.378757	0.222867	0.218783	0.174093	0.153556
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	13.04569	0.419158	0.423463	0.249173	0.244607	0.194642	0.171681
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	18.4494	0.592779	0.598867	0.352383	0.345926	0.275265	0.242794
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	26.09139	0.838316	0.846926	0.498345	0.489213	0.389283	0.343363
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	41.2541	1.325494	1.339108	0.787953	0.773514	0.615511	0.542904

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1

Total layer sett@ 30 days: 3.921 in (from SETANL)
 Total layer sett@ 45: 3.948
 Total layer sett@ 60: 2.693
 Total layer sett@ 110: 2.655
 Total layer sett@ 140: 2.222
 Total layer sett@ 180: 2.009
 Total layer sett@ 365: 1.831
 Total layer sett@ 545: 1.785
 Total layer sett@ 730: 1.762
 Total layer sett@ 1095: 1.738
 Total layer sett@ 1460: 1.738
 Total layer sett@ 1825: 1.738
 Total layer sett@ 3650: 1.738
 Total layer sett@ 20: 1.738
 Total layer sett@ 50: 1.738
 Cv: 0.02 ft²/day
 Hdr: 10 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460	Sett@5yr	Sett@10yr
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	0.019653	0.019051	0.01875	0.018466	0.018466	0.018466	0.018466
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	0.02407	0.023333	0.022964	0.022616	0.022616	0.022616	0.022616
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	0.027794	0.026942	0.026517	0.026114	0.026114	0.026114	0.026114
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	0.037633	0.03648	0.035904	0.035359	0.035359	0.035359	0.035359
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	0.042456	0.041155	0.040505	0.03989	0.03989	0.03989	0.03989
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	0.04814	0.046665	0.045928	0.045232	0.045232	0.045232	0.045232
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	0.068552	0.066452	0.065402	0.06441	0.06441	0.06441	0.06441
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	0.083767	0.0812	0.079917	0.078705	0.078705	0.078705	0.078705
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	0.096947	0.093977	0.092492	0.091089	0.091089	0.091089	0.091089
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	0.118736	0.115098	0.113279	0.111561	0.111561	0.111561	0.111561
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	0.137104	0.132903	0.130803	0.128819	0.128819	0.128819	0.128819
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	0.153287	0.14859	0.146242	0.144024	0.144024	0.144024	0.144024
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	0.21678	0.210139	0.206818	0.203681	0.203681	0.203681	0.203681
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	0.306574	0.297181	0.292484	0.288049	0.288049	0.288049	0.288049
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	0.484736	0.469884	0.462458	0.455445	0.455445	0.455445	0.455445

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1

Total layer sett@ 30 days: 3.921 in (from SETANL)
 Total layer sett@ 45: 3.948
 Total layer sett@ 60: 2.693
 Total layer sett@ 110: 2.655
 Total layer sett@ 140: 2.222
 Total layer sett@ 180: 2.009
 Total layer sett@ 365: 1.831
 Total layer sett@ 545: 1.785
 Total layer sett@ 730: 1.762
 Total layer sett@ 1095: 1.738
 Total layer sett@ 1460: 1.738
 Total layer sett@ 1825: 1.738
 Total layer sett@ 3650: 1.738
 Total layer sett@ 20: 1.738
 Total layer sett@ 50: 1.738
 Cv: 0.02 ft²/day
 Hdr: 10 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@20yr	Sett@50yr		
0	0	0	0	0	0	0	0	0		
30	0.006	8.740387	0.34271059	0.34507	0.235379	0.232057	0.018466	0.018466	0.687125	0.05726
45	0.009	10.70474	0.41973304	0.422623	0.288279	0.284211	0.022616	0.022616	0.841553	0.070129
60	0.012	12.36077	0.48466597	0.488003	0.332876	0.328179	0.026114	0.026114	0.971741	0.080978
110	0.022	16.73657	0.65624082	0.66076	0.450716	0.444356	0.035359	0.035359	1.315744	0.109645
140	0.028	18.88139	0.74033949	0.745437	0.508476	0.501301	0.03989	0.03989	1.484359	0.123697
180	0.036	21.40949	0.83946608	0.845247	0.576558	0.568422	0.045232	0.045232	1.683105	0.140259
365	0.073	30.48713	1.19540022	1.203632	0.821018	0.809433	0.06441	0.06441	2.396743	0.199729
545	0.109	37.25361	1.46071386	1.470772	1.00324	0.989083	0.078705	0.078705	2.928689	0.244057
730	0.146	43.11531	1.6905512	1.702192	1.161095	1.144711	0.091089	0.091089	3.389506	0.282459
1095	0.219	52.80525	2.07049392	2.084751	1.422045	1.401979	0.111561	0.111561	4.15128	0.34594
1460	0.292	60.56089	2.37459246	2.390944	1.630905	1.607892	0.128819	0.128819	4.777277	0.398106
1825	0.365	67.06294	2.62953771	2.647645	1.806005	1.780521	0.144024	0.144024	5.315821	0.442985
3650	0.73	86.61946	3.39634891	3.419736	2.332662	2.299747	0.203681	0.203681	7.19195	0.599329
7300	1.46	97.79173	3.83441388	3.860818	2.633531	2.596371	0.288049	0.288049	9.170848	0.764237
18250	3.65	99.99007	3.92061079	3.947608	2.692733	2.654736	0.455445	0.455445	11.89745	0.991454

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.687124778	0.057260398	0.692769225	0.057730769	0.445804359	0.037150363	0.438787983	0.036565665
45	0.123287671	0.841552548	0.070129379	0.848465556	0.070705463	0.545996602	0.045499717	0.537403332	0.044783611
60	0.164383562	0.971741181	0.080978432	0.979723634	0.081643636	0.63046257	0.052538548	0.620539917	0.05171166
110	0.301369863	1.315743778	0.109645315	1.326552072	0.110546006	0.853650356	0.07113753	0.840215019	0.070017918
140	0.383561644	1.484359172	0.123696598	1.496552571	0.124712714	0.963047484	0.080253957	0.94789038	0.078990865
180	0.493150685	1.683105096	0.140258758	1.696931112	0.141410926	1.091993204	0.090999434	1.074806664	0.089567222
365	1	2.396742708	0.199728559	2.416430963	0.201369247	1.554999004	0.12958325	1.53052536	0.12754378
545	1.493150685	2.928688849	0.244057404	2.952746822	0.246062235	1.90012396	0.158343663	1.870218501	0.155851542
730	2	3.389506043	0.282458837	3.41734944	0.28477912	2.199100682	0.18325839	2.164489721	0.180374143
1095	3	4.151280143	0.345940012	4.1853812	0.348781767	2.693337281	0.224444773	2.650947685	0.220912307
1460	4	4.777277433	0.398106453	4.816542333	0.401378528	3.098866129	0.258238844	3.050075918	0.254172993
1825	5	5.315821175	0.442985098	5.359546196	0.44662885	3.447235585	0.287269632	3.392932026	0.282744335
3650	10	7.191950111	0.599329176	7.251539654	0.604294971	4.651553689	0.387629474	4.577915004	0.381492917
7300	20	9.17084834	0.764237362	9.248198525	0.77068321	5.892894128	0.491074511	5.79845603	0.483204669
18250	50	11.89745398	0.991454499	12.00088034	1.000073361	7.558852683	0.62990439	7.435122127	0.619593511

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days		Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.687124778	0.057260398	0.692769225	0.360119696	0.030009975	0.322505576	0.026875465	
45	0.123287671	0.841552548	0.070129379	0.848465556	0.441054751	0.036754563	0.39498705	0.032915587	
60	0.164383562	0.971741181	0.080978432	0.979723634	0.509286159	0.042440513	0.456091759	0.038007647	
110	0.301369863	1.315743778	0.109645315	1.326552072	0.689576719	0.057464727	0.617551161	0.051462597	
140	0.383561644	1.484359172	0.123696598	1.496552571	0.777947458	0.064828955	0.69669167	0.058057639	
180	0.493150685	1.683105096	0.140258758	1.696931112	0.882109502	0.073509125	0.7899741	0.065831175	
365	1	2.396742708	0.199728559	2.416430963	1.256124482	0.10467704	1.124923612	0.093743634	
545	1.493150685	2.928688849	0.244057404	2.952746822	1.534915597	0.127909633	1.37459529	0.114549607	
730	2	3.389506043	0.282458837	3.41734944	1.776428279	0.14803569	1.590882228	0.132573519	
1095	3	4.151280143	0.345940012	4.1853812	2.175671424	0.181305952	1.94842485	0.162368737	
1460	4	4.777277433	0.398106453	4.816542333	2.503064027	0.208588669	2.24154275	0.186795229	
1825	5	5.315821175	0.442985098	5.359546196	2.78415217	0.232012681	2.493138892	0.207761574	
3650	10	7.191950111	0.599329176	7.251539654	3.752970235	0.31274752	3.359110604	0.279925884	
7300	20	9.17084834	0.764237362	9.248198525	4.742495311	0.395207943	4.239815533	0.353317961	
18250	50	11.89745398	0.991454499	12.00088034	6.056551599	0.504712633	5.403406843	0.450283904	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	0.687124778	0.057260398	0.692769225	0.291606886	0.024300574	0.283691863	0.023640989	0.279739515			
45	0.123287671	0.841552548	0.070129379	0.848465556	0.357144038	0.029762003	0.347450155	0.02895418	0.342609536			
60	0.164383562	0.971741181	0.080978432	0.979723634	0.412394413	0.034366201	0.401200881	0.033433407	0.395611416			
110	0.301369863	1.315743778	0.109645315	1.326552072	0.558384675	0.046532056	0.54322856	0.045269047	0.535660389			
140	0.383561644	1.484359172	0.123696598	1.496552571	0.629942872	0.052495239	0.612844468	0.051070372	0.60430642			
180	0.493150685	1.683105096	0.140258758	1.696931112	0.714288077	0.059524006	0.694900309	0.057908359	0.685219072			
365	1	2.396742708	0.199728559	2.416430963	1.017146667	0.084762222	0.989538474	0.08246154	0.975752387			
545	1.493150685	2.928688849	0.244057404	2.952746822	1.242897743	0.103574812	1.209162037	0.100763503	1.19231619			
730	2	3.389506043	0.282458837	3.41734944	1.438462612	0.119871884	1.399418731	0.116618228	1.379922259			
1095	3	4.151280143	0.345940012	4.1853812	1.761749707	0.146812476	1.713930914	0.142827576	1.69005271			
1460	4	4.777277433	0.398106453	4.816542333	2.026724649	0.168893721	1.97169841	0.164308201	1.944221309			
1825	5	5.315821175	0.442985098	5.359546196	2.254115184	0.187842932	2.192891229	0.182740936	2.162319521			
3650	10	7.191950111	0.599329176	7.251539654	3.035870605	0.252989217	2.953109521	0.24609246	2.911785928			
7300	20	9.17084834	0.764237362	9.248198525	3.828108305	0.319009025	3.722808557	0.310234046	3.670239222			
18250	50	11.89745398	0.991454499	12.00088034	4.870522637	0.405876886	4.734455778	0.394537981	4.666590252			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.687124778	0.057260398	0.692769225	0.023311626	0.275783968	0.022981997	0.275783968	0.022981997
45	0.123287671	0.841552548	0.070129379	0.848465556	0.028550795	0.337765	0.028147083	0.337765	0.028147083
60	0.164383562	0.971741181	0.080978432	0.979723634	0.032967618	0.390017428	0.032501452	0.390017428	0.032501452
110	0.301369863	1.315743778	0.109645315	1.326552072	0.044638366	0.528086094	0.044007174	0.528086094	0.044007174
140	0.383561644	1.484359172	0.123696598	1.496552571	0.050358868	0.595761462	0.049646788	0.595761462	0.049646788
180	0.493150685	1.683105096	0.140258758	1.696931112	0.057101589	0.675530001	0.056294167	0.675530001	0.056294167
365	1	2.396742708	0.199728559	2.416430963	0.081312699	0.961955143	0.080162929	0.961955143	0.080162929
545	1.493150685	2.928688849	0.244057404	2.952746822	0.099359683	1.175456711	0.097954726	1.175456711	0.097954726
730	2	3.389506043	0.282458837	3.41734944	0.114993522	1.360410009	0.113367501	1.360410009	0.113367501
1095	3	4.151280143	0.345940012	4.1853812	0.140837726	1.666155182	0.138846265	1.666155182	0.138846265
1460	4	4.777277433	0.398106453	4.816542333	0.162018442	1.916726028	0.159727169	1.916726028	0.159727169
1825	5	5.315821175	0.442985098	5.359546196	0.180193293	2.131733949	0.177644496	2.131733949	0.177644496
3650	10	7.191950111	0.599329176	7.251539654	0.242648827	2.87051818	0.239209848	2.87051818	0.239209848
7300	20	9.17084834	0.764237362	9.248198525	0.305853269	3.617933092	0.301494424	3.617933092	0.301494424
18250	50	11.89745398	0.991454499	12.00088034	0.388882521	4.59930166	0.383275138	4.59930166	0.383275138

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days		Settlement 5 years		Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.687124778	0.057260398	0.692769225	0.275783968	0.022981997	0.275783968	0.022981997	
45	0.123287671	0.841552548	0.070129379	0.848465556	0.337765	0.028147083	0.337765	0.028147083	
60	0.164383562	0.971741181	0.080978432	0.979723634	0.390017428	0.032501452	0.390017428	0.032501452	
110	0.301369863	1.315743778	0.109645315	1.326552072	0.528086094	0.044007174	0.528086094	0.044007174	
140	0.383561644	1.484359172	0.123696598	1.496552571	0.595761462	0.049646788	0.595761462	0.049646788	
180	0.493150685	1.683105096	0.140258758	1.696931112	0.675530001	0.056294167	0.675530001	0.056294167	
365	1	2.396742708	0.199728559	2.416430963	0.961955143	0.080162929	0.961955143	0.080162929	
545	1.493150685	2.928688849	0.244057404	2.952746822	1.175456711	0.097954726	1.175456711	0.097954726	
730	2	3.389506043	0.282458837	3.41734944	1.360410009	0.113367501	1.360410009	0.113367501	
1095	3	4.151280143	0.345940012	4.1853812	1.666155182	0.138846265	1.666155182	0.138846265	
1460	4	4.777277433	0.398106453	4.816542333	1.916726028	0.159727169	1.916726028	0.159727169	
1825	5	5.315821175	0.442985098	5.359546196	2.131733949	0.177644496	2.131733949	0.177644496	
3650	10	7.191950111	0.599329176	7.251539654	2.87051818	0.239209848	2.87051818	0.239209848	
7300	20	9.17084834	0.764237362	9.248198525	3.617933092	0.301494424	3.617933092	0.301494424	
18250	50	11.89745398	0.991454499	12.00088034	4.59930166	0.383275138	4.59930166	0.383275138	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days			Settlement 50 years		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.687124778	0.057260398	0.692769225	0.275783968	0.022981997	0.275783968	0.022981997	
45	0.123287671	0.841552548	0.070129379	0.848465556	0.337765	0.028147083	0.337765	0.028147083	
60	0.164383562	0.971741181	0.080978432	0.979723634	0.390017428	0.032501452	0.390017428	0.032501452	
110	0.301369863	1.315743778	0.109645315	1.326552072	0.528086094	0.044007174	0.528086094	0.044007174	
140	0.383561644	1.484359172	0.123696598	1.496552571	0.595761462	0.049646788	0.595761462	0.049646788	
180	0.493150685	1.683105096	0.140258758	1.696931112	0.675530001	0.056294167	0.675530001	0.056294167	
365	1	2.396742708	0.199728559	2.416430963	0.961955143	0.080162929	0.961955143	0.080162929	
545	1.493150685	2.928688849	0.244057404	2.952746822	1.175456711	0.097954726	1.175456711	0.097954726	
730	2	3.389506043	0.282458837	3.41734944	1.360410009	0.113367501	1.360410009	0.113367501	
1095	3	4.151280143	0.345940012	4.1853812	1.666155182	0.138846265	1.666155182	0.138846265	
1460	4	4.777277433	0.398106453	4.816542333	1.916726028	0.159727169	1.916726028	0.159727169	
1825	5	5.315821175	0.442985098	5.359546196	2.131733949	0.177644496	2.131733949	0.177644496	
3650	10	7.191950111	0.599329176	7.251539654	2.87051818	0.239209848	2.87051818	0.239209848	
7300	20	9.17084834	0.764237362	9.248198525	3.617933092	0.301494424	3.617933092	0.301494424	
18250	50	11.89745398	0.991454499	12.00088034	4.59930166	0.383275138	4.59930166	0.383275138	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft												
Layer 1												
Total layer sett@ 30 days: 2.599 in (from SETANL)						Total layer sett@ 30 days: 0.306						
Total layer sett@ 45: 2.618						Total layer sett@ 45: 0.308						
Total layer sett@ 60: 1.596						Total layer sett@ 60: 0.176						
Total layer sett@ 110: 1.596						Total layer sett@ 110: 0.176						
Total layer sett@ 140: 1.218						Total layer sett@ 140: 0.131						
Total layer sett@ 180: 1.218						Total layer sett@ 180: 0.131						
Total layer sett@ 365: 1.218						Total layer sett@ 365: 0.131						
Total layer sett@ 545: 1.218						Total layer sett@ 545: 0.131						
Total layer sett@ 730: 1.218						Total layer sett@ 730: 0.131						
Total layer sett@ 1095: 1.218						Total layer sett@ 1095: 0.131						
Total layer sett@ 1460: 1.218						Total layer sett@ 1460: 0.131						
Total layer sett@ 1825: 1.218						Total layer sett@ 1825: 0.131						
Total layer sett@ 3650: 1.218						Total layer sett@ 3650: 0.131						
Total layer sett@ 20: 1.218						Total layer sett@ 20: 0.131						
Total layer sett@ 50: 1.218						Total layer sett@ 50: 0.131						
Cv: 0.02 ft ² /day						Cv: 0.02						
Hdr: 10 ft						Hdr: 15						
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.22716267	0.228823	0.139497	0.10645792	0.106458	0.106458	0.106458	30	0.002667	5.82692496
45	0.009	10.70474	0.27821631	0.28025	0.170848	0.13038379	0.130384	0.130384	0.130384	45	0.004	7.13649646
60	0.012	12.36077	0.32125653	0.323605	0.197278	0.15055423	0.150554	0.150554	0.150554	60	0.005333	8.24051631
110	0.022	16.73657	0.4349834	0.438163	0.267116	0.2038514	0.203851	0.203851	0.203851	110	0.009778	11.1577118
140	0.028	18.88139	0.49072745	0.494315	0.301347	0.22997539	0.229975	0.229975	0.229975	140	0.012444	12.5875966
180	0.036	21.40949	0.55643263	0.5605	0.341695	0.26076758	0.260768	0.260768	0.260768	180	0.016	14.2729929
365	0.073	30.48713	0.79236041	0.798153	0.486575	0.3713332	0.371333	0.371333	0.371333	365	0.032444	20.3247508
545	0.109	37.25361	0.9682212	0.975299	0.594568	0.45374891	0.453749	0.453749	0.453749	545	0.048444	24.8357368
730	0.146	43.11531	1.12056684	1.128759	0.68812	0.52514444	0.525144	0.525144	0.525144	730	0.064889	28.7435383
1095	0.219	52.80525	1.37240849	1.382441	0.842772	0.64316797	0.643168	0.643168	0.643168	1095	0.097333	35.2035011
1460	0.292	60.56089	1.57397751	1.585484	0.966552	0.73763163	0.737632	0.737632	0.737632	1460	0.129778	40.6495017
1825	0.365	67.06294	1.7429657	1.755708	1.070324	0.81682656	0.816827	0.816827	0.816827	1825	0.162222	45.4475245
3650	0.73	86.61946	2.25123969	2.267697	1.382447	1.05502499	1.055025	1.055025	1.055025	3650	0.324444	63.5956909
7300	1.46	97.79173	2.54160716	2.560188	1.560756	1.19110332	1.191103	1.191103	1.191103	7300	0.648889	83.6540732
18250	3.65	99.99007	2.59874202	2.61774	1.595842	1.2178791	1.217879	1.217879	1.217879	18250	1.622222	98.520279

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

	Layer 1		Layer 2
Total layer sett@ 30 days:	2.599 in	(from SETANL)	in (from SETANL)
Total layer sett@ 45:	2.618		
Total layer sett@ 60:	1.596		
Total layer sett@ 110:	1.596		
Total layer sett@ 140:	1.218		
Total layer sett@ 180:	1.218		
Total layer sett@ 365:	1.218		
Total layer sett@ 545:	1.218		
Total layer sett@ 730:	1.218		
Total layer sett@ 1095:	1.218		
Total layer sett@ 1460:	1.218		
Total layer sett@ 1825:	1.218		
Total layer sett@ 3650:	1.218		
Total layer sett@ 20:	1.218		
Total layer sett@ 50:	1.218		
Cv:	0.02 ft ² /day		ft ² /day
Hdr:	10 ft		ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.22716267	0.228823	0.139497	0.01783	0.017947	0.010255	0.010255	0.007633	0.007633	0.007633	0.007633
45	0.009	10.70474	0.27821631	0.28025	0.170848	0.021838	0.02198	0.01256	0.01256	0.009349	0.009349	0.009349	0.009349
60	0.012	12.36077	0.32125653	0.323605	0.197278	0.025216	0.025381	0.014503	0.014503	0.010795	0.010795	0.010795	0.010795
110	0.022	16.73657	0.4349834	0.438163	0.267116	0.034143	0.034366	0.019638	0.019638	0.014617	0.014617	0.014617	0.014617
140	0.028	18.88139	0.49072745	0.494315	0.301347	0.038518	0.03877	0.022154	0.022154	0.01649	0.01649	0.01649	0.01649
180	0.036	21.40949	0.55643263	0.5605	0.341695	0.043675	0.043961	0.02512	0.02512	0.018698	0.018698	0.018698	0.018698
365	0.073	30.48713	0.79236041	0.798153	0.486575	0.062194	0.0626	0.035772	0.035772	0.026625	0.026625	0.026625	0.026625
545	0.109	37.25361	0.9682212	0.975299	0.594568	0.075997	0.076494	0.043711	0.043711	0.032535	0.032535	0.032535	0.032535
730	0.146	43.11531	1.12056684	1.128759	0.68812	0.087955	0.08853	0.050589	0.050589	0.037654	0.037654	0.037654	0.037654
1095	0.219	52.80525	1.37240849	1.382441	0.842772	0.107723	0.108427	0.061958	0.061958	0.046117	0.046117	0.046117	0.046117
1460	0.292	60.56089	1.57397751	1.585484	0.966552	0.124387	0.1252	0.071543	0.071543	0.053251	0.053251	0.053251	0.053251
1825	0.365	67.06294	1.7429657	1.755708	1.070324	0.139069	0.139978	0.079988	0.079988	0.059536	0.059536	0.059536	0.059536
3650	0.73	86.61946	2.25123969	2.267697	1.382447	0.194603	0.195875	0.111928	0.111928	0.08331	0.08331	0.08331	0.08331
7300	1.46	97.79173	2.54160716	2.560188	1.560756	0.255981	0.257655	0.147231	0.147231	0.109587	0.109587	0.109587	0.109587
18250	3.65	99.99007	2.59874202	2.61774	1.595842	0.301472	0.303442	0.173396	0.173396	0.129062	0.129062	0.129062	0.129062

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

		Layer 1			
Total layer sett@ 30 days:	2.599 in	(from SETANL)	al layer sett@ 30 days:	2.75 in	
Total layer sett@ 45:	2.618		Total layer sett@ 45:	2.775	
Total layer sett@ 60:	1.596		Total layer sett@ 60:	1.542	
Total layer sett@ 110:	1.596		Total layer sett@ 110:	1.542	
Total layer sett@ 140:	1.218		Total layer sett@ 140:	1.136	
Total layer sett@ 180:	1.218		Total layer sett@ 180:	1.136	
Total layer sett@ 365:	1.218		Total layer sett@ 365:	1.136	
Total layer sett@ 545:	1.218		Total layer sett@ 545:	1.136	
Total layer sett@ 730:	1.218		Total layer sett@ 730:	1.136	
Total layer sett@ 1095:	1.218		otal layer sett@ 1095:	1.136	
Total layer sett@ 1460:	1.218		otal layer sett@ 1460:	1.136	
Total layer sett@ 1825:	1.218		otal layer sett@ 1825:	1.136	
Total layer sett@ 3650:	1.218		otal layer sett@ 3650:	1.136	
Total layer sett@ 20:	1.218		Total layer sett@ 20:	1.136	
Total layer sett@ 50:	1.218		Total layer sett@ 50:	1.136	
Cv:	0.02 ft ² /day		Cv:	0.02 ft ² /day	
Hdr:	10 ft		Hdr:	25 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.22716267	0.228823	0.139497	30	0.00096	3.496155	0.096144	0.097018	0.053911	0.053911	0.039716
45	0.009	10.70474	0.27821631	0.28025	0.170848	45	0.00144	4.281898	0.117752	0.118823	0.066027	0.066027	0.048642
60	0.012	12.36077	0.32125653	0.323605	0.197278	60	0.00192	4.94431	0.135969	0.137205	0.076241	0.076241	0.056167
110	0.022	16.73657	0.4349834	0.438163	0.267116	110	0.00352	6.694627	0.184102	0.185776	0.103231	0.103231	0.076051
140	0.028	18.88139	0.49072745	0.494315	0.301347	140	0.00448	7.552558	0.207695	0.209583	0.11646	0.11646	0.085797
180	0.036	21.40949	0.55643263	0.5605	0.341695	180	0.00576	8.563796	0.235504	0.237645	0.132054	0.132054	0.097285
365	0.073	30.48713	0.79236041	0.798153	0.486575	365	0.01168	12.19485	0.335358	0.338407	0.188045	0.188045	0.138534
545	0.109	37.25361	0.9682212	0.975299	0.594568	545	0.01744	14.90144	0.40979	0.413515	0.22978	0.22978	0.16928
730	0.146	43.11531	1.12056684	1.128759	0.68812	730	0.02336	17.24612	0.474268	0.47858	0.265935	0.265935	0.195916
1095	0.219	52.80525	1.37240849	1.382441	0.842772	1095	0.03504	21.1221	0.580858	0.586138	0.325703	0.325703	0.239947
1460	0.292	60.56089	1.57397751	1.585484	0.966552	1460	0.04672	24.3897	0.670717	0.676814	0.376089	0.376089	0.277067
1825	0.365	67.06294	1.7429657	1.755708	1.070324	1825	0.0584	27.26851	0.749884	0.756701	0.42048	0.42048	0.30977
3650	0.73	86.61946	2.25123969	2.267697	1.382447	3650	0.1168	38.5635	1.060496	1.070137	0.594649	0.594649	0.438081
7300	1.46	97.79173	2.54160716	2.560188	1.560756	7300	0.2336	54.53703	1.499768	1.513403	0.840961	0.840961	0.619541
18250	3.65	99.99007	2.59874202	2.61774	1.595842	18250	0.584	80.81516	2.222417	2.242621	1.24617	1.24617	0.91806

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

Layer 1								Layer 4			
Total layer sett@ 30 days:	2.599 in		(from SETANL)		(from SETANL)			Total layer sett@ 30 days:	1.168 in		
Total layer sett@ 45:	2.618							Total layer sett@ 45:	1.178		
Total layer sett@ 60:	1.596							Total layer sett@ 60:	0.645		
Total layer sett@ 110:	1.596							Total layer sett@ 110:	0.645		
Total layer sett@ 140:	1.218							Total layer sett@ 140:	0.473		
Total layer sett@ 180:	1.218							Total layer sett@ 180:	0.473		
Total layer sett@ 365:	1.218							Total layer sett@ 365:	0.473		
Total layer sett@ 545:	1.218							Total layer sett@ 545:	0.473		
Total layer sett@ 730:	1.218							Total layer sett@ 730:	0.473		
Total layer sett@ 1095:	1.218							Total layer sett@ 1095:	0.473		
Total layer sett@ 1460:	1.218							Total layer sett@ 1460:	0.473		
Total layer sett@ 1825:	1.218							Total layer sett@ 1825:	0.473		
Total layer sett@ 3650:	1.218							Total layer sett@ 3650:	0.473		
Total layer sett@ 20:	1.218							Total layer sett@ 20:	0.473		
Total layer sett@ 50:	1.218							Total layer sett@ 50:	0.473		
Cv:	0.02 ft ² /day							Cv:	0.04 ft ² /day		
Hdr:	10 ft							Hdr:	43 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.22716267	0.228823	0.139497	0.039716	0.039716	30	0.000649	2.874599	0.033575
45	0.009	10.70474	0.27821631	0.28025	0.170848	0.048642	0.048642	45	0.000973	3.52065	0.041121
60	0.012	12.36077	0.32125653	0.323605	0.197278	0.056167	0.056167	60	0.001298	4.065296	0.047483
110	0.022	16.73657	0.4349834	0.438163	0.267116	0.076051	0.076051	110	0.00238	5.504437	0.064292
140	0.028	18.88139	0.49072745	0.494315	0.301347	0.085797	0.085797	140	0.003029	6.209843	0.072531
180	0.036	21.40949	0.55643263	0.5605	0.341695	0.097285	0.097285	180	0.003894	7.0413	0.082242
365	0.073	30.48713	0.79236041	0.798153	0.486575	0.138534	0.138534	365	0.007896	10.02682	0.117113
545	0.109	37.25361	0.9682212	0.975299	0.594568	0.16928	0.16928	545	0.01179	12.25222	0.143106
730	0.146	43.11531	1.12056684	1.128759	0.68812	0.195916	0.195916	730	0.015792	14.18006	0.165623
1095	0.219	52.80525	1.37240849	1.382441	0.842772	0.239947	0.239947	1095	0.023688	17.36695	0.202846
1460	0.292	60.56089	1.57397751	1.585484	0.966552	0.277067	0.277067	1460	0.031585	20.05363	0.234226
1825	0.365	67.06294	1.7429657	1.755708	1.070324	0.30977	0.30977	1825	0.039481	22.42064	0.261873
3650	0.73	86.61946	2.25123969	2.267697	1.382447	0.438081	0.438081	3650	0.078962	31.70758	0.370344
7300	1.46	97.79173	2.54160716	2.560188	1.560756	0.619541	0.619541	7300	0.157923	44.84128	0.523746
18250	3.65	99.99007	2.59874202	2.61774	1.595842	0.91806	0.91806	18250	0.394808	69.39895	0.81058

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

	Layer 1	(from SETANL)	(from SETANL)
Total layer sett@ 30 days:	2.599 in		
Total layer sett@ 45:	2.618		
Total layer sett@ 60:	1.596		
Total layer sett@ 110:	1.596		
Total layer sett@ 140:	1.218		
Total layer sett@ 180:	1.218		
Total layer sett@ 365:	1.218		
Total layer sett@ 545:	1.218		
Total layer sett@ 730:	1.218		
Total layer sett@ 1095:	1.218		
Total layer sett@ 1460:	1.218		
Total layer sett@ 1825:	1.218		
Total layer sett@ 3650:	1.218		
Total layer sett@ 20:	1.218		
Total layer sett@ 50:	1.218		
Cv:	0.02 ft ² /day		
Hdr:	10 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.22716267	0.228823	0.139497	0.033863	0.018541	0.018541	0.013597	0.013597	0.013597	0.013597	0.013597
45	0.009	10.70474	0.27821631	0.28025	0.170848	0.041473	0.022708	0.022708	0.016653	0.016653	0.016653	0.016653	0.016653
60	0.012	12.36077	0.32125653	0.323605	0.197278	0.047889	0.026221	0.026221	0.019229	0.019229	0.019229	0.019229	0.019229
110	0.022	16.73657	0.4349834	0.438163	0.267116	0.064842	0.035504	0.035504	0.026036	0.026036	0.026036	0.026036	0.026036
140	0.028	18.88139	0.49072745	0.494315	0.301347	0.073152	0.040053	0.040053	0.029373	0.029373	0.029373	0.029373	0.029373
180	0.036	21.40949	0.55643263	0.5605	0.341695	0.082947	0.045416	0.045416	0.033305	0.033305	0.033305	0.033305	0.033305
365	0.073	30.48713	0.79236041	0.798153	0.486575	0.118116	0.064673	0.064673	0.047427	0.047427	0.047427	0.047427	0.047427
545	0.109	37.25361	0.9682212	0.975299	0.594568	0.144331	0.079027	0.079027	0.057953	0.057953	0.057953	0.057953	0.057953
730	0.146	43.11531	1.12056684	1.128759	0.68812	0.167041	0.091461	0.091461	0.067072	0.067072	0.067072	0.067072	0.067072
1095	0.219	52.80525	1.37240849	1.382441	0.842772	0.204583	0.112017	0.112017	0.082146	0.082146	0.082146	0.082146	0.082146
1460	0.292	60.56089	1.57397751	1.585484	0.966552	0.236232	0.129346	0.129346	0.094854	0.094854	0.094854	0.094854	0.094854
1825	0.365	67.06294	1.7429657	1.755708	1.070324	0.264115	0.144613	0.144613	0.10605	0.10605	0.10605	0.10605	0.10605
3650	0.73	86.61946	2.25123969	2.267697	1.382447	0.373515	0.204514	0.204514	0.149977	0.149977	0.149977	0.149977	0.149977
7300	1.46	97.79173	2.54160716	2.560188	1.560756	0.52823	0.289226	0.289226	0.212099	0.212099	0.212099	0.212099	0.212099
18250	3.65	99.99007	2.59874202	2.61774	1.595842	0.81752	0.447623	0.447623	0.328257	0.328257	0.328257	0.328257	0.328257

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

	Layer 1			Layer 5		
Total layer sett@ 30 days:	2.599 in	(from SETANL)	@ 30 days:	0.9 in	(from SETANL)	
Total layer sett@ 45:	2.618		r sett@ 45:	0.909		
Total layer sett@ 60:	1.596		r sett@ 60:	0.495		
Total layer sett@ 110:	1.596		sett@ 110:	0.495		
Total layer sett@ 140:	1.218		sett@ 140:	0.362		
Total layer sett@ 180:	1.218		sett@ 180:	0.362		
Total layer sett@ 365:	1.218		sett@ 365:	0.362		
Total layer sett@ 545:	1.218		sett@ 545:	0.362		
Total layer sett@ 730:	1.218		sett@ 730:	0.362		
Total layer sett@ 1095:	1.218		ett@ 1095:	0.362		
Total layer sett@ 1460:	1.218		ett@ 1460:	0.362		
Total layer sett@ 1825:	1.218		ett@ 1825:	0.362		
Total layer sett@ 3650:	1.218		ett@ 3650:	0.362		
Total layer sett@ 20:	1.218		r sett@ 20:	0.362		
Total layer sett@ 50:	1.218		r sett@ 50:	0.362		
Cv:	0.02 ft ² /day		Cv:	0.04 ft ² /day		
Hdr:	10 ft		Hdr:	48 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.006	8.740387	0.22716267	0.228823	0.139497	0.000521	2.575161	0.023176	0.023408	0.012747	0.012747	0.009322	0.009322
45	0.009	10.70474	0.27821631	0.28025	0.170848	0.000781	3.153916	0.028385	0.028669	0.015612	0.015612	0.011417	0.011417
60	0.012	12.36077	0.32125653	0.323605	0.197278	0.001042	3.641828	0.032776	0.033104	0.018027	0.018027	0.013183	0.013183
110	0.022	16.73657	0.4349834	0.438163	0.267116	0.00191	4.931059	0.04438	0.044823	0.024409	0.024409	0.01785	0.01785
140	0.028	18.88139	0.49072745	0.494315	0.301347	0.002431	5.562984	0.050067	0.050568	0.027537	0.027537	0.020138	0.020138
180	0.036	21.40949	0.55643263	0.5605	0.341695	0.003125	6.307831	0.05677	0.057338	0.031224	0.031224	0.022834	0.022834
365	0.073	30.48713	0.79236041	0.798153	0.486575	0.006337	8.982356	0.080841	0.08165	0.044463	0.044463	0.032516	0.032516
545	0.109	37.25361	0.9682212	0.975299	0.594568	0.009462	10.97595	0.098784	0.099771	0.054331	0.054331	0.039733	0.039733
730	0.146	43.11531	1.12056684	1.128759	0.68812	0.012674	12.70297	0.114327	0.11547	0.06288	0.06288	0.045985	0.045985
1095	0.219	52.80525	1.37240849	1.382441	0.842772	0.01901	15.5579	0.140021	0.141421	0.077012	0.077012	0.05632	0.05632
1460	0.292	60.56089	1.57397751	1.585484	0.966552	0.025347	17.96471	0.161682	0.163299	0.088925	0.088925	0.065032	0.065032
1825	0.365	67.06294	1.7429657	1.755708	1.070324	0.031684	20.08516	0.180766	0.182574	0.099422	0.099422	0.072708	0.072708
3650	0.73	86.61946	2.25123969	2.267697	1.382447	0.063368	28.4047	0.255642	0.258199	0.140603	0.140603	0.102825	0.102825
7300	1.46	97.79173	2.54160716	2.560188	1.560756	0.126736	40.17032	0.361533	0.365148	0.198843	0.198843	0.145417	0.145417
18250	3.65	99.99007	2.59874202	2.61774	1.595842	0.31684	62.90605	0.566154	0.571816	0.311385	0.311385	0.22772	0.22772

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

		Layer 1	
Total layer sett@ 30 days:	2.599 in	(from SETANL)	
Total layer sett@ 45:	2.618		
Total layer sett@ 60:	1.596		
Total layer sett@ 110:	1.596		
Total layer sett@ 140:	1.218		
Total layer sett@ 180:	1.218		
Total layer sett@ 365:	1.218		
Total layer sett@ 545:	1.218		
Total layer sett@ 730:	1.218		
Total layer sett@ 1095:	1.218		
Total layer sett@ 1460:	1.218		
Total layer sett@ 1825:	1.218		
Total layer sett@ 3650:	1.218		
Total layer sett@ 20:	1.218		
Total layer sett@ 50:	1.218		
Cv:	0.02 ft ² /day		
Hdr:	10 ft		

		Layer 6	
Total layer sett@ 30 days:	1.823 in	(from SETANL)	
Total layer sett@ 45:	1.841		
Total layer sett@ 60:	0.997		
Total layer sett@ 110:	0.997		
Total layer sett@ 140:	0.728		
Total layer sett@ 180:	0.728		
Total layer sett@ 365:	0.728		
Total layer sett@ 545:	0.728		
Total layer sett@ 730:	0.728		
Total layer sett@ 1095:	0.728		
Total layer sett@ 1460:	0.728		
Total layer sett@ 1825:	0.728		
Total layer sett@ 3650:	0.728		
Total layer sett@ 20:	0.728		
Total layer sett@ 50:	0.728		
Cv:	0.03 ft ² /day		
Hdr:	64 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	0.006	8.740387	0.22716267	0.228823	0.139497	0.009322
45	0.009	10.70474	0.27821631	0.28025	0.170848	0.011417
60	0.012	12.36077	0.32125653	0.323605	0.197278	0.013183
110	0.022	16.73657	0.4349834	0.438163	0.267116	0.01785
140	0.028	18.88139	0.49072745	0.494315	0.301347	0.020138
180	0.036	21.40949	0.55643263	0.5605	0.341695	0.022834
365	0.073	30.48713	0.79236041	0.798153	0.486575	0.032516
545	0.109	37.25361	0.9682212	0.975299	0.594568	0.039733
730	0.146	43.11531	1.12056684	1.128759	0.68812	0.045985
1095	0.219	52.80525	1.37240849	1.382441	0.842772	0.05632
1460	0.292	60.56089	1.57397751	1.585484	0.966552	0.065032
1825	0.365	67.06294	1.7429657	1.755708	1.070324	0.072708
3650	0.73	86.61946	2.25123969	2.267697	1.382447	0.102825
7300	1.46	97.79173	2.54160716	2.560188	1.560756	0.145417
18250	3.65	99.99007	2.59874202	2.61774	1.595842	0.22772

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.00022	1.672616	0.030492	0.030793	0.016676
45	0.00033	2.048528	0.037345	0.037713	0.020424
60	0.000439	2.365437	0.043122	0.043548	0.023583
110	0.000806	3.202816	0.058387	0.058964	0.031932
140	0.001025	3.613264	0.06587	0.06652	0.036024
180	0.001318	4.097057	0.074689	0.075427	0.040848
365	0.002673	5.834211	0.106358	0.107408	0.058167
545	0.003992	7.129088	0.129963	0.131247	0.071077
730	0.005347	8.250821	0.150412	0.151898	0.082261
1095	0.00802	10.10515	0.184217	0.186036	0.100748
1460	0.010693	11.66842	0.212715	0.214816	0.116334
1825	0.013367	13.04569	0.237823	0.240171	0.130066
3650	0.026733	18.4494	0.336332	0.339653	0.18394
7300	0.053467	26.09139	0.475646	0.480342	0.260131
18250	0.133667	41.2541	0.752062	0.759488	0.411303

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

Layer 1
(from SETANL)

Total layer sett@ 30 days: 2.599 in
 Total layer sett@ 45: 2.618
 Total layer sett@ 60: 1.596
 Total layer sett@ 110: 1.596
 Total layer sett@ 140: 1.218
 Total layer sett@ 180: 1.218
 Total layer sett@ 365: 1.218
 Total layer sett@ 545: 1.218
 Total layer sett@ 730: 1.218
 Total layer sett@ 1095: 1.218
 Total layer sett@ 1460: 1.218
 Total layer sett@ 1825: 1.218
 Total layer sett@ 3650: 1.218
 Total layer sett@ 20: 1.218
 Total layer sett@ 50: 1.218
 Cv: 0.02 ft²/day
 Hdr: 10 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr		
0	0	0	0	0	0	0	0	0	0		
30	0.006	8.740387	0.22716267	0.228823	0.139497	0.012177	0.012177	0.012177	0.012177	0.428381	0.035698
45	0.009	10.70474	0.27821631	0.28025	0.170848	0.014913	0.014913	0.014913	0.014913	0.524657	0.043721
60	0.012	12.36077	0.32125653	0.323605	0.197278	0.01722	0.01722	0.01722	0.01722	0.605822	0.050485
110	0.022	16.73657	0.4349834	0.438163	0.267116	0.023317	0.023317	0.023317	0.023317	0.820287	0.068357
140	0.028	18.88139	0.49072745	0.494315	0.301347	0.026305	0.026305	0.026305	0.026305	0.925408	0.077117
180	0.036	21.40949	0.55643263	0.5605	0.341695	0.029827	0.029827	0.029827	0.029827	1.049315	0.087443
365	0.073	30.48713	0.79236041	0.798153	0.486575	0.042473	0.042473	0.042473	0.042473	1.494225	0.124519
545	0.109	37.25361	0.9682212	0.975299	0.594568	0.0519	0.0519	0.0519	0.0519	1.825861	0.152155
730	0.146	43.11531	1.12056684	1.128759	0.68812	0.060066	0.060066	0.060066	0.060066	2.113153	0.176096
1095	0.219	52.80525	1.37240849	1.382441	0.842772	0.073565	0.073565	0.073565	0.073565	2.588073	0.215673
1460	0.292	60.56089	1.57397751	1.585484	0.966552	0.084946	0.084946	0.084946	0.084946	2.977706	0.248142
1825	0.365	67.06294	1.7429657	1.755708	1.070324	0.094973	0.094973	0.094973	0.094973	3.312382	0.276032
3650	0.73	86.61946	2.25123969	2.267697	1.382447	0.134312	0.134312	0.134312	0.134312	4.468658	0.372388
7300	1.46	97.79173	2.54160716	2.560188	1.560756	0.189945	0.189945	0.189945	0.189945	5.658282	0.471523
18250	3.65	99.99007	2.59874202	2.61774	1.595842	0.30033	0.30033	0.30033	0.30033	7.251427	0.604286

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.428380883	0.035698407	0.431852429	0.035987702	0.251626877	0.020968906	0.251626877	0.020968906
45	0.123287671	0.52465729	0.043721441	0.528909048	0.044075754	0.308178727	0.025681561	0.308178727	0.025681561
60	0.164383562	0.605822055	0.050485171	0.610731563	0.050894297	0.355854142	0.029654512	0.355854142	0.029654512
110	0.301369863	0.82028694	0.068357245	0.826934445	0.068911204	0.481828786	0.040152399	0.481828786	0.040152399
140	0.383561644	0.925408475	0.077117373	0.932907872	0.077742323	0.54357618	0.045298015	0.54357618	0.045298015
180	0.493150685	1.04931458	0.087442882	1.057818096	0.088151508	0.616357454	0.051363121	0.616357454	0.051363121
365	1	1.494224616	0.124518718	1.50633363	0.125527802	0.877693399	0.073141117	0.877693399	0.073141117
545	1.493150685	1.825860973	0.152155081	1.840657526	0.153388127	1.072493456	0.089374455	1.072493456	0.089374455
730	2	2.113152718	0.17609606	2.130277448	0.177523121	1.241245908	0.103437159	1.241245908	0.103437159
1095	3	2.588072953	0.215672746	2.60904638	0.217420532	1.52020956	0.12668413	1.52020956	0.12668413
1460	4	2.977705915	0.24814216	3.001845402	0.250153784	1.748789516	0.14573246	1.748789516	0.14573246
1825	5	3.312381772	0.276031814	3.339247762	0.278270647	1.94489282	0.162074402	1.94489282	0.162074402
3650	10	4.468658128	0.372388177	4.505076687	0.375423057	2.618081784	0.218173482	2.618081784	0.218173482
7300	20	5.658281918	0.471523493	5.704965593	0.475413799	3.297148685	0.27476239	3.297148685	0.27476239
18250	50	7.251427474	0.604285623	7.312626961	0.60938558	4.185718628	0.348809886	4.185718628	0.348809886

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days			Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.428380883	0.035698407	0.431852429	0.188903094	0.015741925	0.188903094	0.015741925	0.188903094	0.015741925
45	0.123287671	0.52465729	0.043721441	0.528909048	0.231358096	0.019279841	0.231358096	0.019279841	0.231358096	0.019279841
60	0.164383562	0.605822055	0.050485171	0.610731563	0.267149318	0.022262443	0.267149318	0.022262443	0.267149318	0.022262443
110	0.301369863	0.82028694	0.068357245	0.826934445	0.361721887	0.030143491	0.361721887	0.030143491	0.361721887	0.030143491
140	0.383561644	0.925408475	0.077117373	0.932907872	0.408077324	0.034006444	0.408077324	0.034006444	0.408077324	0.034006444
180	0.493150685	1.04931458	0.087442882	1.057818096	0.462716192	0.038559683	0.462716192	0.038559683	0.462716192	0.038559683
365	1	1.494224616	0.124518718	1.50633363	0.658908146	0.054909012	0.658908146	0.054909012	0.658908146	0.054909012
545	1.493150685	1.825860973	0.152155081	1.840657526	0.805149812	0.067095818	0.805149812	0.067095818	0.805149812	0.067095818
730	2	2.113152718	0.17609606	2.130277448	0.931836837	0.07765307	0.931836837	0.07765307	0.931836837	0.07765307
1095	3	2.588072953	0.215672746	2.60904638	1.141262387	0.095105199	1.141262387	0.095105199	1.141262387	0.095105199
1460	4	2.977705915	0.24814216	3.001845402	1.312781525	0.10939846	1.312781525	0.10939846	1.312781525	0.10939846
1825	5	3.312381772	0.276031814	3.339247762	1.459863691	0.121655308	1.459863691	0.121655308	1.459863691	0.121655308
3650	10	4.468658128	0.372388177	4.505076687	1.963530194	0.163627516	1.963530194	0.163627516	1.963530194	0.163627516
7300	20	5.658281918	0.471523493	5.704965593	2.467691905	0.205640992	2.467691905	0.205640992	2.467691905	0.205640992
18250	50	7.251427474	0.604285623	7.312626961	3.121307693	0.260108974	3.121307693	0.260108974	3.121307693	0.260108974

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	0.428380883	0.035698407	0.431852429	0.188903094	0.015741925	0.188903094	0.015741925	0.188903094	0.015741925	0.188903094	
45	0.123287671	0.52465729	0.043721441	0.528909048	0.231358096	0.019279841	0.231358096	0.019279841	0.231358096	0.019279841	0.231358096	
60	0.164383562	0.605822055	0.050485171	0.610731563	0.267149318	0.022262443	0.267149318	0.022262443	0.267149318	0.022262443	0.267149318	
110	0.301369863	0.82028694	0.068357245	0.826934445	0.361721887	0.030143491	0.361721887	0.030143491	0.361721887	0.030143491	0.361721887	
140	0.383561644	0.925408475	0.077117373	0.932907872	0.408077324	0.034006444	0.408077324	0.034006444	0.408077324	0.034006444	0.408077324	
180	0.493150685	1.04931458	0.087442882	1.057818096	0.462716192	0.038559683	0.462716192	0.038559683	0.462716192	0.038559683	0.462716192	
365	1	1.494224616	0.124518718	1.50633363	0.658908146	0.054909012	0.658908146	0.054909012	0.658908146	0.054909012	0.658908146	
545	1.493150685	1.825860973	0.152155081	1.840657526	0.805149812	0.067095818	0.805149812	0.067095818	0.805149812	0.067095818	0.805149812	
730	2	2.113152718	0.17609606	2.130277448	0.931836837	0.07765307	0.931836837	0.07765307	0.931836837	0.07765307	0.931836837	
1095	3	2.588072953	0.215672746	2.60904638	1.141262387	0.095105199	1.141262387	0.095105199	1.141262387	0.095105199	1.141262387	
1460	4	2.977705915	0.24814216	3.001845402	1.312781525	0.10939846	1.312781525	0.10939846	1.312781525	0.10939846	1.312781525	
1825	5	3.312381772	0.276031814	3.339247762	1.459863691	0.121655308	1.459863691	0.121655308	1.459863691	0.121655308	1.459863691	
3650	10	4.468658128	0.372388177	4.505076687	1.963530194	0.163627516	1.963530194	0.163627516	1.963530194	0.163627516	1.963530194	
7300	20	5.658281918	0.471523493	5.704965593	2.467691905	0.205640992	2.467691905	0.205640992	2.467691905	0.205640992	2.467691905	
18250	50	7.251427474	0.604285623	7.312626961	3.121307693	0.260108974	3.121307693	0.260108974	3.121307693	0.260108974	3.121307693	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.428380883	0.035698407	0.431852429	0.015741925	0.188903094	0.015741925	0.188903094	0.015741925
45	0.123287671	0.52465729	0.043721441	0.528909048	0.019279841	0.231358096	0.019279841	0.231358096	0.019279841
60	0.164383562	0.605822055	0.050485171	0.610731563	0.022262443	0.267149318	0.022262443	0.267149318	0.022262443
110	0.301369863	0.82028694	0.068357245	0.826934445	0.030143491	0.361721887	0.030143491	0.361721887	0.030143491
140	0.383561644	0.925408475	0.077117373	0.932907872	0.034006444	0.408077324	0.034006444	0.408077324	0.034006444
180	0.493150685	1.04931458	0.087442882	1.057818096	0.038559683	0.462716192	0.038559683	0.462716192	0.038559683
365	1	1.494224616	0.124518718	1.50633363	0.054909012	0.658908146	0.054909012	0.658908146	0.054909012
545	1.493150685	1.825860973	0.152155081	1.840657526	0.067095818	0.805149812	0.067095818	0.805149812	0.067095818
730	2	2.113152718	0.17609606	2.130277448	0.07765307	0.931836837	0.07765307	0.931836837	0.07765307
1095	3	2.588072953	0.215672746	2.60904638	0.095105199	1.141262387	0.095105199	1.141262387	0.095105199
1460	4	2.977705915	0.24814216	3.001845402	0.10939846	1.312781525	0.10939846	1.312781525	0.10939846
1825	5	3.312381772	0.276031814	3.339247762	0.121655308	1.459863691	0.121655308	1.459863691	0.121655308
3650	10	4.468658128	0.372388177	4.505076687	0.163627516	1.963530194	0.163627516	1.963530194	0.163627516
7300	20	5.658281918	0.471523493	5.704965593	0.205640992	2.467691905	0.205640992	2.467691905	0.205640992
18250	50	7.251427474	0.604285623	7.312626961	0.260108974	3.121307693	0.260108974	3.121307693	0.260108974

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days			Settlement 5 years		Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.428380883	0.035698407	0.431852429	0.188903094	0.015741925	0.188903094	0.015741925	0.188903094	0.015741925
45	0.123287671	0.52465729	0.043721441	0.528909048	0.231358096	0.019279841	0.231358096	0.019279841	0.231358096	0.019279841
60	0.164383562	0.605822055	0.050485171	0.610731563	0.267149318	0.022262443	0.267149318	0.022262443	0.267149318	0.022262443
110	0.301369863	0.82028694	0.068357245	0.826934445	0.361721887	0.030143491	0.361721887	0.030143491	0.361721887	0.030143491
140	0.383561644	0.925408475	0.077117373	0.932907872	0.408077324	0.034006444	0.408077324	0.034006444	0.408077324	0.034006444
180	0.493150685	1.04931458	0.087442882	1.057818096	0.462716192	0.038559683	0.462716192	0.038559683	0.462716192	0.038559683
365	1	1.494224616	0.124518718	1.50633363	0.658908146	0.054909012	0.658908146	0.054909012	0.658908146	0.054909012
545	1.493150685	1.825860973	0.152155081	1.840657526	0.805149812	0.067095818	0.805149812	0.067095818	0.805149812	0.067095818
730	2	2.113152718	0.17609606	2.130277448	0.931836837	0.07765307	0.931836837	0.07765307	0.931836837	0.07765307
1095	3	2.588072953	0.215672746	2.60904638	1.141262387	0.095105199	1.141262387	0.095105199	1.141262387	0.095105199
1460	4	2.977705915	0.24814216	3.001845402	1.312781525	0.10939846	1.312781525	0.10939846	1.312781525	0.10939846
1825	5	3.312381772	0.276031814	3.339247762	1.459863691	0.121655308	1.459863691	0.121655308	1.459863691	0.121655308
3650	10	4.468658128	0.372388177	4.505076687	1.963530194	0.163627516	1.963530194	0.163627516	1.963530194	0.163627516
7300	20	5.658281918	0.471523493	5.704965593	2.467691905	0.205640992	2.467691905	0.205640992	2.467691905	0.205640992
18250	50	7.251427474	0.604285623	7.312626961	3.121307693	0.260108974	3.121307693	0.260108974	3.121307693	0.260108974

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.428380883	0.035698407	0.431852429	0.188903094	0.015741925	0.188903094	0.015741925	
45	0.123287671	0.52465729	0.043721441	0.528909048	0.231358096	0.019279841	0.231358096	0.019279841	
60	0.164383562	0.605822055	0.050485171	0.610731563	0.267149318	0.022262443	0.267149318	0.022262443	
110	0.301369863	0.82028694	0.068357245	0.826934445	0.361721887	0.030143491	0.361721887	0.030143491	
140	0.383561644	0.925408475	0.077117373	0.932907872	0.408077324	0.034006444	0.408077324	0.034006444	
180	0.493150685	1.04931458	0.087442882	1.057818096	0.462716192	0.038559683	0.462716192	0.038559683	
365	1	1.494224616	0.124518718	1.50633363	0.658908146	0.054909012	0.658908146	0.054909012	
545	1.493150685	1.825860973	0.152155081	1.840657526	0.805149812	0.067095818	0.805149812	0.067095818	
730	2	2.113152718	0.17609606	2.130277448	0.931836837	0.07765307	0.931836837	0.07765307	
1095	3	2.588072953	0.215672746	2.60904638	1.141262387	0.095105199	1.141262387	0.095105199	
1460	4	2.977705915	0.24814216	3.001845402	1.312781525	0.10939846	1.312781525	0.10939846	
1825	5	3.312381772	0.276031814	3.339247762	1.459863691	0.121655308	1.459863691	0.121655308	
3650	10	4.468658128	0.372388177	4.505076687	1.963530194	0.163627516	1.963530194	0.163627516	
7300	20	5.658281918	0.471523493	5.704965593	2.467691905	0.205640992	2.467691905	0.205640992	
18250	50	7.251427474	0.604285623	7.312626961	3.121307693	0.260108974	3.121307693	0.260108974	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1

Total layer sett@ 30 days: 1.189 in (from SETANL)
 Total layer sett@ 45: 1.208
 Total layer sett@ 60: 0.784
 Total layer sett@ 110: 0.771
 Total layer sett@ 140: 0.637
 Total layer sett@ 180: 0.532
 Total layer sett@ 365: 0.484
 Total layer sett@ 545: 0.464
 Total layer sett@ 730: 0.464
 Total layer sett@ 1095: 0.464
 Total layer sett@ 1460: 0.464
 Total layer sett@ 1825: 0.464
 Total layer sett@ 3650: 0.464
 Total layer sett@ 20: 0.464
 Total layer sett@ 50: 0.464
 Cv: 0.15 ft²/day
 Hdr: 3 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.90834537	0.922861	0.598943	0.589011	0.486641	0.406425	0.369755	0.354476	0.354476	0.354476	0.354476
45	0.75	87.26387	1.0375674	1.054148	0.684149	0.672804	0.555871	0.464244	0.422357	0.404904	0.404904	0.404904	0.404904
60	1	93.12798	1.10729163	1.124986	0.730123	0.718017	0.593225	0.495441	0.450739	0.432114	0.432114	0.432114	0.432114
110	1.833333	99.12116	1.17855062	1.197384	0.77711	0.764224	0.631402	0.527325	0.479746	0.459922	0.459922	0.459922	0.459922
140	2.333333	99.74414	1.18595782	1.204909	0.781994	0.769027	0.63537	0.530639	0.482762	0.462813	0.462813	0.462813	0.462813
180	3	99.95063	1.18841299	1.207404	0.783613	0.770619	0.636686	0.531737	0.483761	0.463771	0.463771	0.463771	0.463771
365	6.083333	99.99998	1.18899971	1.208	0.784	0.771	0.637	0.532	0.484	0.464	0.464	0.464	0.464
545	9.083333	100	1.189	1.208	0.784	0.771	0.637	0.532	0.484	0.464	0.464	0.464	0.464
730	12.16667	100	1.189	1.208	0.784	0.771	0.637	0.532	0.484	0.464	0.464	0.464	0.464
1095	18.25	100	1.189	1.208	0.784	0.771	0.637	0.532	0.484	0.464	0.464	0.464	0.464
1460	24.33333	100	1.189	1.208	0.784	0.771	0.637	0.532	0.484	0.464	0.464	0.464	0.464
1825	30.41667	100	1.189	1.208	0.784	0.771	0.637	0.532	0.484	0.464	0.464	0.464	0.464
3650	60.83333	100	1.189	1.208	0.784	0.771	0.637	0.532	0.484	0.464	0.464	0.464	0.464
7300	121.6667	100	1.189	1.208	0.784	0.771	0.637	0.532	0.484	0.464	0.464	0.464	0.464
18250	304.1667	100	1.189	1.208	0.784	0.771	0.637	0.532	0.484	0.464	0.464	0.464	0.464

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft											
Layer 1											
Total layer sett@ 30 days:		1.189 in	(from SETANL)								Total layer sett@ 30 days:
Total layer sett@ 45:		1.208									Total layer sett@ 45:
Total layer sett@ 60:		0.784									Total layer sett@ 60:
Total layer sett@ 110:		0.771									Total layer sett@ 110:
Total layer sett@ 140:		0.637									Total layer sett@ 140:
Total layer sett@ 180:		0.532									Total layer sett@ 180:
Total layer sett@ 365:		0.484									Total layer sett@ 365:
Total layer sett@ 545:		0.464									Total layer sett@ 545:
Total layer sett@ 730:		0.464									Total layer sett@ 730:
Total layer sett@ 1095:		0.464									Total layer sett@ 1095:
Total layer sett@ 1460:		0.464									Total layer sett@ 1460:
Total layer sett@ 1825:		0.464									Total layer sett@ 1825:
Total layer sett@ 3650:		0.464									Total layer sett@ 3650:
Total layer sett@ 20:		0.464									Total layer sett@ 20:
Total layer sett@ 50:		0.464									Total layer sett@ 50:
Cv:		0.15 ft ² /day									Cv:
Hdr:		3 ft									Hdr:
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv
0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.90834537	0.922861	0.598943	0.35447624	0.354476	0.354476	0.354476	30	0.095273
45	0.75	87.26387	1.0375674	1.054148	0.684149	0.40490435	0.404904	0.404904	0.404904	45	0.142909
60	1	93.12798	1.10729163	1.124986	0.730123	0.43211381	0.432114	0.432114	0.432114	60	0.190546
110	1.833333	99.12116	1.17855062	1.197384	0.77711	0.45992219	0.459922	0.459922	0.459922	110	0.349334
140	2.333333	99.74414	1.18595782	1.204909	0.781994	0.46281281	0.462813	0.462813	0.462813	140	0.444607
180	3	99.95063	1.18841299	1.207404	0.783613	0.46377092	0.463771	0.463771	0.463771	180	0.571637
365	6.083333	99.99998	1.18899971	1.208	0.784	0.46399989	0.464	0.464	0.464	365	1.159153
545	9.083333	100	1.189	1.208	0.784	0.464	0.464	0.464	0.464	545	1.73079
730	12.16667	100	1.189	1.208	0.784	0.464	0.464	0.464	0.464	730	2.318306
1095	18.25	100	1.189	1.208	0.784	0.464	0.464	0.464	0.464	1095	3.47746
1460	24.33333	100	1.189	1.208	0.784	0.464	0.464	0.464	0.464	1460	4.636613
1825	30.41667	100	1.189	1.208	0.784	0.464	0.464	0.464	0.464	1825	5.795766
3650	60.83333	100	1.189	1.208	0.784	0.464	0.464	0.464	0.464	3650	11.59153
7300	121.6667	100	1.189	1.208	0.784	0.464	0.464	0.464	0.464	7300	23.18306
18250	304.1667	100	1.189	1.208	0.784	0.464	0.464	0.464	0.464	18250	57.95766

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft													
Layer 1						Layer 2							
Total layer sett@ 30 days:		1.189 in (from SETANL)				0.801 in		(from SETANL)					
Total layer sett@ 45:		1.208				0.812							
Total layer sett@ 60:		0.784				0.592							
Total layer sett@ 110:		0.771				0.586							
Total layer sett@ 140:		0.637				0.522							
Total layer sett@ 180:		0.532				0.474							
Total layer sett@ 365:		0.484				0.452							
Total layer sett@ 545:		0.464				0.443							
Total layer sett@ 730:		0.464				0.443							
Total layer sett@ 1095:		0.464				0.443							
Total layer sett@ 1460:		0.464				0.443							
Total layer sett@ 1825:		0.464				0.443							
Total layer sett@ 3650:		0.464				0.443							
Total layer sett@ 20:		0.464				0.443							
Total layer sett@ 50:		0.464				0.443							
Cv:		0.15 ft ² /day				0.04 ft ² /day							
Hdr:		3 ft				3.549 ft							
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.90834537	0.922861	0.598943	34.828894	0.278979	0.282811	0.206187	0.204097	0.181807	0.165089	0.157427
45	0.75	87.26387	1.0375674	1.054148	0.684149	42.6565092	0.341679	0.346371	0.252527	0.249967	0.222667	0.202192	0.192807
60	1	93.12798	1.10729163	1.124986	0.730123	49.2554942	0.394537	0.399955	0.291593	0.288637	0.257114	0.233471	0.222635
110	1.833333	99.12116	1.17855062	1.197384	0.77711	65.7645502	0.526774	0.534008	0.389326	0.38538	0.343291	0.311724	0.297256
140	2.333333	99.74414	1.18595782	1.204909	0.781994	72.9379	0.584233	0.592256	0.431792	0.427416	0.380736	0.345726	0.329679
180	3	99.95063	1.18841299	1.207404	0.783613	80.2207979	0.642569	0.651393	0.474907	0.470094	0.418753	0.380247	0.362598
365	6.083333	99.99998	1.18899971	1.208	0.784	95.3601663	0.763835	0.774325	0.564532	0.558811	0.49778	0.452007	0.431028
545	9.083333	100	1.189	1.208	0.784	98.8680815	0.791933	0.802809	0.585299	0.579367	0.516091	0.468635	0.446884
730	12.16667	100	1.189	1.208	0.784	99.7344729	0.798873	0.809844	0.590428	0.584444	0.520614	0.472741	0.4508
1095	18.25	100	1.189	1.208	0.784	99.9848045	0.800878	0.811877	0.59191	0.585911	0.521921	0.473928	0.451931
1460	24.33333	100	1.189	1.208	0.784	99.9991304	0.800993	0.811993	0.591995	0.585995	0.521995	0.473996	0.451996
1825	30.41667	100	1.189	1.208	0.784	99.9999502	0.801	0.812	0.592	0.586	0.522	0.474	0.452
3650	60.83333	100	1.189	1.208	0.784	100	0.801	0.812	0.592	0.586	0.522	0.474	0.452
7300	121.6667	100	1.189	1.208	0.784	100	0.801	0.812	0.592	0.586	0.522	0.474	0.452
18250	304.1667	100	1.189	1.208	0.784	100	0.801	0.812	0.592	0.586	0.522	0.474	0.452

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

		Layer 1			
Total layer sett@ 30 days:	1.189 in	(from SETANL)	Total layer sett@ 30 days:	0.488 in	
Total layer sett@ 45:	1.208		Total layer sett@ 45:	0.497	
Total layer sett@ 60:	0.784		Total layer sett@ 60:	0.332	
Total layer sett@ 110:	0.771		Total layer sett@ 110:	0.327	
Total layer sett@ 140:	0.637		Total layer sett@ 140:	0.283	
Total layer sett@ 180:	0.532		Total layer sett@ 180:	0.252	
Total layer sett@ 365:	0.484		Total layer sett@ 365:	0.238	
Total layer sett@ 545:	0.464		Total layer sett@ 545:	0.232	
Total layer sett@ 730:	0.464		Total layer sett@ 730:	0.232	
Total layer sett@ 1095:	0.464		Total layer sett@ 1095:	0.232	
Total layer sett@ 1460:	0.464		Total layer sett@ 1460:	0.232	
Total layer sett@ 1825:	0.464		Total layer sett@ 1825:	0.232	
Total layer sett@ 3650:	0.464		Total layer sett@ 3650:	0.232	
Total layer sett@ 20:	0.464		Total layer sett@ 20:	0.232	
Total layer sett@ 50:	0.464		Total layer sett@ 50:	0.232	
Cv:	0.15 ft ² /day		Cv:	0.04 ft ² /day	
Hdr:	3 ft		Hdr:	5.549 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.90834537	0.922861	0.598943	30	0.038972	22.27568	0.108705	0.11071	0.073955	0.072841
45	0.75	87.26387	1.0375674	1.054148	0.684149	45	0.058458	27.28202	0.133136	0.135592	0.090576	0.089212
60	1	93.12798	1.10729163	1.124986	0.730123	60	0.077944	31.50257	0.153733	0.156568	0.104589	0.103013
110	1.833333	99.12116	1.17855062	1.197384	0.77711	110	0.142897	42.65468	0.208155	0.211994	0.141614	0.139481
140	2.333333	99.74414	1.18595782	1.204909	0.781994	140	0.181869	48.12097	0.23483	0.239161	0.159762	0.157356
180	3	99.95063	1.18841299	1.207404	0.783613	180	0.233832	54.56405	0.266273	0.271183	0.181153	0.178424
365	6.083333	99.99998	1.18899971	1.208	0.784	365	0.474158	74.84133	0.365226	0.371961	0.248473	0.244731
545	9.083333	100	1.189	1.208	0.784	545	0.70799	85.87253	0.419058	0.426786	0.285097	0.280803
730	12.16667	100	1.189	1.208	0.784	730	0.948317	92.19309	0.449902	0.4582	0.306081	0.301471
1095	18.25	100	1.189	1.208	0.784	1095	1.422475	97.57746	0.476178	0.48496	0.323957	0.319078
1460	24.33333	100	1.189	1.208	0.784	1460	1.896633	99.24827	0.484332	0.493264	0.329504	0.324542
1825	30.41667	100	1.189	1.208	0.784	1825	2.370792	99.76673	0.486862	0.495841	0.331226	0.326237
3650	60.83333	100	1.189	1.208	0.784	3650	4.741584	99.99933	0.487997	0.496997	0.331998	0.326998
7300	121.6667	100	1.189	1.208	0.784	7300	9.483167	100	0.488	0.497	0.332	0.327
18250	304.1667	100	1.189	1.208	0.784	18250	23.70792	100	0.488	0.497	0.332	0.327

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1	Layer 3
Total layer sett@ 30 days:	1.189 in	(from SETANL)
Total layer sett@ 45:	1.208	
Total layer sett@ 60:	0.784	
Total layer sett@ 110:	0.771	
Total layer sett@ 140:	0.637	
Total layer sett@ 180:	0.532	
Total layer sett@ 365:	0.484	
Total layer sett@ 545:	0.464	
Total layer sett@ 730:	0.464	
Total layer sett@ 1095:	0.464	
Total layer sett@ 1460:	0.464	
Total layer sett@ 1825:	0.464	
Total layer sett@ 3650:	0.464	
Total layer sett@ 20:	0.464	
Total layer sett@ 50:	0.464	
Cv:	0.15 ft ² /day	
Hdr:	3 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460	Sett@5yr
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.90834537	0.922861	0.598943	0.06304	0.056135	0.053016	0.05168	0.05168	0.05168	0.05168	0.05168
45	0.75	87.26387	1.0375674	1.054148	0.684149	0.077208	0.068751	0.064931	0.063294	0.063294	0.063294	0.063294	0.063294
60	1	93.12798	1.10729163	1.124986	0.730123	0.089152	0.079386	0.074976	0.073086	0.073086	0.073086	0.073086	0.073086
110	1.833333	99.12116	1.17855062	1.197384	0.77711	0.120713	0.10749	0.101518	0.098959	0.098959	0.098959	0.098959	0.098959
140	2.333333	99.74414	1.18595782	1.204909	0.781994	0.136182	0.121265	0.114528	0.111641	0.111641	0.111641	0.111641	0.111641
180	3	99.95063	1.18841299	1.207404	0.783613	0.154416	0.137501	0.129862	0.126589	0.126589	0.126589	0.126589	0.126589
365	6.083333	99.99998	1.18899971	1.208	0.784	0.211801	0.1886	0.178122	0.173632	0.173632	0.173632	0.173632	0.173632
545	9.083333	100	1.189	1.208	0.784	0.243019	0.216399	0.204377	0.199224	0.199224	0.199224	0.199224	0.199224
730	12.16667	100	1.189	1.208	0.784	0.260906	0.232327	0.21942	0.213888	0.213888	0.213888	0.213888	0.213888
1095	18.25	100	1.189	1.208	0.784	0.276144	0.245895	0.232234	0.22638	0.22638	0.22638	0.22638	0.22638
1460	24.33333	100	1.189	1.208	0.784	0.280873	0.250106	0.236211	0.230256	0.230256	0.230256	0.230256	0.230256
1825	30.41667	100	1.189	1.208	0.784	0.28234	0.251412	0.237445	0.231459	0.231459	0.231459	0.231459	0.231459
3650	60.83333	100	1.189	1.208	0.784	0.282998	0.251998	0.237998	0.231998	0.231998	0.231998	0.231998	0.231998
7300	121.6667	100	1.189	1.208	0.784	0.283	0.252	0.238	0.232	0.232	0.232	0.232	0.232
18250	304.1667	100	1.189	1.208	0.784	0.283	0.252	0.238	0.232	0.232	0.232	0.232	0.232

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1			Layer 4		
Total layer sett@ 30 days:	1.189 in	(from SETANL)	Total layer sett@ 30 days:	0.316	
Total layer sett@ 45:	1.208		Total layer sett@ 45:	0.323	
Total layer sett@ 60:	0.784		Total layer sett@ 60:	0.194	
Total layer sett@ 110:	0.771		Total layer sett@ 110:	0.191	
Total layer sett@ 140:	0.637		Total layer sett@ 140:	0.16	
Total layer sett@ 180:	0.532		Total layer sett@ 180:	0.139	
Total layer sett@ 365:	0.484		Total layer sett@ 365:	0.13	
Total layer sett@ 545:	0.464		Total layer sett@ 545:	0.126	
Total layer sett@ 730:	0.464		Total layer sett@ 730:	0.126	
Total layer sett@ 1095:	0.464		Total layer sett@ 1095:	0.126	
Total layer sett@ 1460:	0.464		Total layer sett@ 1460:	0.126	
Total layer sett@ 1825:	0.464		Total layer sett@ 1825:	0.126	
Total layer sett@ 3650:	0.464		Total layer sett@ 3650:	0.126	
Total layer sett@ 20:	0.464		Total layer sett@ 20:	0.126	
Total layer sett@ 50:	0.464		Total layer sett@ 50:	0.126	
Cv:	0.15 ft ² /day		Cv:	0.3	
Hdr:	3 ft		Hdr:	4	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U
0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.90834537	0.922861	0.598943	0.05168	0.05168	0.05168	30	0.5625	79.76971
45	0.75	87.26387	1.0375674	1.054148	0.684149	0.063294	0.063294	0.063294	45	0.84375	89.89456
60	1	93.12798	1.10729163	1.124986	0.730123	0.073086	0.073086	0.073086	60	1.125	94.95213
110	1.833333	99.12116	1.17855062	1.197384	0.77711	0.098959	0.098959	0.098959	110	2.0625	99.50079
140	2.333333	99.74414	1.18595782	1.204909	0.781994	0.111641	0.111641	0.111641	140	2.625	99.87544
180	3	99.95063	1.18841299	1.207404	0.783613	0.126589	0.126589	0.126589	180	3.375	99.98043
365	6.083333	99.99998	1.18899971	1.208	0.784	0.173632	0.173632	0.173632	365	6.84375	100
545	9.083333	100	1.189	1.208	0.784	0.199224	0.199224	0.199224	545	10.21875	100
730	12.16667	100	1.189	1.208	0.784	0.213888	0.213888	0.213888	730	13.6875	100
1095	18.25	100	1.189	1.208	0.784	0.22638	0.22638	0.22638	1095	20.53125	100
1460	24.33333	100	1.189	1.208	0.784	0.230256	0.230256	0.230256	1460	27.375	100
1825	30.41667	100	1.189	1.208	0.784	0.231459	0.231459	0.231459	1825	34.21875	100
3650	60.83333	100	1.189	1.208	0.784	0.231998	0.231998	0.231998	3650	68.4375	100
7300	121.6667	100	1.189	1.208	0.784	0.232	0.232	0.232	7300	136.875	100
18250	304.1667	100	1.189	1.208	0.784	0.232	0.232	0.232	18250	342.1875	100

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

		Layer 1	
Total layer sett@ 30 days:	1.189 in	(from SETANL)	in (from SETANL)
Total layer sett@ 45:	1.208		
Total layer sett@ 60:	0.784		
Total layer sett@ 110:	0.771		
Total layer sett@ 140:	0.637		
Total layer sett@ 180:	0.532		
Total layer sett@ 365:	0.484		
Total layer sett@ 545:	0.464		
Total layer sett@ 730:	0.464		
Total layer sett@ 1095:	0.464		
Total layer sett@ 1460:	0.464		
Total layer sett@ 1825:	0.464		
Total layer sett@ 3650:	0.464		
Total layer sett@ 20:	0.464		
Total layer sett@ 50:	0.464		
Cv:	0.15 ft ² /day		ft ² /day
Hdr:	3 ft		ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.90834537	0.922861	0.598943	0.252072	0.257656	0.154753	0.15236	0.127632	0.11088	0.103701	0.10051
45	0.75	87.26387	1.0375674	1.054148	0.684149	0.284067	0.290359	0.174395	0.171699	0.143831	0.124953	0.116863	0.113267
60	1	93.12798	1.10729163	1.124986	0.730123	0.300049	0.306695	0.184207	0.181359	0.151923	0.131983	0.123438	0.11964
110	1.833333	99.12116	1.17855062	1.197384	0.77711	0.314422	0.321388	0.193032	0.190047	0.159201	0.138306	0.129351	0.125371
140	2.333333	99.74414	1.18595782	1.204909	0.781994	0.315606	0.322598	0.193758	0.190762	0.159801	0.138827	0.129838	0.125843
180	3	99.95063	1.18841299	1.207404	0.783613	0.315938	0.322937	0.193962	0.190963	0.159969	0.138973	0.129975	0.125975
365	6.083333	99.99998	1.18899971	1.208	0.784	0.316	0.323	0.194	0.191	0.16	0.139	0.13	0.126
545	9.083333	100	1.189	1.208	0.784	0.316	0.323	0.194	0.191	0.16	0.139	0.13	0.126
730	12.16667	100	1.189	1.208	0.784	0.316	0.323	0.194	0.191	0.16	0.139	0.13	0.126
1095	18.25	100	1.189	1.208	0.784	0.316	0.323	0.194	0.191	0.16	0.139	0.13	0.126
1460	24.33333	100	1.189	1.208	0.784	0.316	0.323	0.194	0.191	0.16	0.139	0.13	0.126
1825	30.41667	100	1.189	1.208	0.784	0.316	0.323	0.194	0.191	0.16	0.139	0.13	0.126
3650	60.83333	100	1.189	1.208	0.784	0.316	0.323	0.194	0.191	0.16	0.139	0.13	0.126
7300	121.6667	100	1.189	1.208	0.784	0.316	0.323	0.194	0.191	0.16	0.139	0.13	0.126
18250	304.1667	100	1.189	1.208	0.784	0.316	0.323	0.194	0.191	0.16	0.139	0.13	0.126

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1			Layer 5		
Total layer sett@ 30 days:	1.189 in	(from SETANL)		al layer sett@ 30 days:	2.218 in	(from SETANL)
Total layer sett@ 45:	1.208			Total layer sett@ 45:	2.273	
Total layer sett@ 60:	0.784			Total layer sett@ 60:	1.298	
Total layer sett@ 110:	0.771			Total layer sett@ 110:	1.274	
Total layer sett@ 140:	0.637			Total layer sett@ 140:	1.057	
Total layer sett@ 180:	0.532			Total layer sett@ 180:	0.91	
Total layer sett@ 365:	0.484			Total layer sett@ 365:	0.848	
Total layer sett@ 545:	0.464			Total layer sett@ 545:	0.823	
Total layer sett@ 730:	0.464			Total layer sett@ 730:	0.823	
Total layer sett@ 1095:	0.464			Total layer sett@ 1095:	0.823	
Total layer sett@ 1460:	0.464			Total layer sett@ 1460:	0.823	
Total layer sett@ 1825:	0.464			Total layer sett@ 1825:	0.823	
Total layer sett@ 3650:	0.464			Total layer sett@ 3650:	0.823	
Total layer sett@ 20:	0.464			Total layer sett@ 20:	0.823	
Total layer sett@ 50:	0.464			Total layer sett@ 50:	0.823	
Cv:	0.15 ft ² /day			Cv:	0.3 ft ² /day	
Hdr:	3 ft			Hdr:	6.5 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.90834537	0.922861	0.598943	30	0.213018	52.07904	1.155113	1.183757	0.675986	0.663487	0.550475
45	0.75	87.26387	1.0375674	1.054148	0.684149	45	0.319527	63.15116	1.400693	1.435426	0.819702	0.804546	0.667508
60	1	93.12798	1.10729163	1.124986	0.730123	60	0.426036	71.66871	1.589612	1.62903	0.93026	0.913059	0.757538
110	1.833333	99.12116	1.17855062	1.197384	0.77711	110	0.781065	88.20381	1.956361	2.004873	1.144886	1.123717	0.932314
140	2.333333	99.74414	1.18595782	1.204909	0.781994	140	0.994083	93.02689	2.063336	2.114501	1.207489	1.185163	0.983294
180	3	99.95063	1.18841299	1.207404	0.783613	180	1.278107	96.54055	2.141269	2.194367	1.253096	1.229927	1.020434
365	6.083333	99.99998	1.18899971	1.208	0.784	365	2.591716	99.86477	2.215001	2.269926	1.296245	1.272277	1.055571
545	9.083333	100	1.189	1.208	0.784	545	3.869822	99.99423	2.217872	2.272869	1.297925	1.273926	1.056939
730	12.16667	100	1.189	1.208	0.784	730	5.183432	99.99977	2.217995	2.272995	1.297997	1.273997	1.056998
1095	18.25	100	1.189	1.208	0.784	1095	7.775148	100	2.218	2.273	1.298	1.274	1.057
1460	24.33333	100	1.189	1.208	0.784	1460	10.36686	100	2.218	2.273	1.298	1.274	1.057
1825	30.41667	100	1.189	1.208	0.784	1825	12.95858	100	2.218	2.273	1.298	1.274	1.057
3650	60.83333	100	1.189	1.208	0.784	3650	25.91716	100	2.218	2.273	1.298	1.274	1.057
7300	121.6667	100	1.189	1.208	0.784	7300	51.83432	100	2.218	2.273	1.298	1.274	1.057
18250	304.1667	100	1.189	1.208	0.784	18250	129.5858	100	2.218	2.273	1.298	1.274	1.057

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1			Layer 6		
Total layer sett@ 30 days:	1.189 in	(from SETANL)	Total layer sett@ 30 days:	3.87 in	(from SETA)
Total layer sett@ 45:	1.208		Total layer sett@ 45:	3.971	
Total layer sett@ 60:	0.784		Total layer sett@ 60:	2.221	
Total layer sett@ 110:	0.771		Total layer sett@ 110:	2.179	
Total layer sett@ 140:	0.637		Total layer sett@ 140:	1.799	
Total layer sett@ 180:	0.532		Total layer sett@ 180:	1.544	
Total layer sett@ 365:	0.484		Total layer sett@ 365:	1.437	
Total layer sett@ 545:	0.464		Total layer sett@ 545:	1.394	
Total layer sett@ 730:	0.464		Total layer sett@ 730:	1.394	
Total layer sett@ 1095:	0.464		Total layer sett@ 1095:	1.394	
Total layer sett@ 1460:	0.464		Total layer sett@ 1460:	1.394	
Total layer sett@ 1825:	0.464		Total layer sett@ 1825:	1.394	
Total layer sett@ 3650:	0.464		Total layer sett@ 3650:	1.394	
Total layer sett@ 20:	0.464		Total layer sett@ 20:	1.394	
Total layer sett@ 50:	0.464		Total layer sett@ 50:	1.394	
Cv:	0.15 ft ² /day		Cv:	0.04 ft ² /day	
Hdr:	3 ft		Hdr:	34.3735 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30	Sett@45
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.90834537	0.922861	0.598943	0.42861	0.42861	30	0.001016	3.596019	0.139166	0.142798
45	0.75	87.26387	1.0375674	1.054148	0.684149	0.519734	0.519734	45	0.001523	4.404205	0.170443	0.174891
60	1	93.12798	1.10729163	1.124986	0.730123	0.589833	0.589833	60	0.002031	5.085538	0.19681	0.201947
110	1.833333	99.12116	1.17855062	1.197384	0.77711	0.725917	0.725917	110	0.003724	6.885851	0.266482	0.273437
140	2.333333	99.74414	1.18595782	1.204909	0.781994	0.765611	0.765611	140	0.00474	7.768288	0.300633	0.308479
180	3	99.95063	1.18841299	1.207404	0.783613	0.794529	0.794529	180	0.006094	8.808411	0.340885	0.349782
365	6.083333	99.99998	1.18899971	1.208	0.784	0.821887	0.821887	365	0.012357	12.54318	0.485421	0.49809
545	9.083333	100	1.189	1.208	0.784	0.822953	0.822953	545	0.018451	15.32708	0.593158	0.608639
730	12.16667	100	1.189	1.208	0.784	0.822998	0.822998	730	0.024714	17.73874	0.686489	0.704405
1095	18.25	100	1.189	1.208	0.784	0.823	0.823	1095	0.03707	21.72543	0.840774	0.862717
1460	24.33333	100	1.189	1.208	0.784	0.823	0.823	1460	0.049427	25.08636	0.970842	0.99618
1825	30.41667	100	1.189	1.208	0.784	0.823	0.823	1825	0.061784	28.04741	1.085435	1.113763
3650	60.83333	100	1.189	1.208	0.784	0.823	0.823	3650	0.123568	39.66502	1.535036	1.575098
7300	121.6667	100	1.189	1.208	0.784	0.823	0.823	7300	0.247136	56.09482	2.170869	2.227525
18250	304.1667	100	1.189	1.208	0.784	0.823	0.823	18250	0.617839	82.35226	3.187032	3.270208

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1

Total layer sett@ 30 days: 1.189 in (from SETANL) NL)
 Total layer sett@ 45: 1.208
 Total layer sett@ 60: 0.784
 Total layer sett@ 110: 0.771
 Total layer sett@ 140: 0.637
 Total layer sett@ 180: 0.532
 Total layer sett@ 365: 0.484
 Total layer sett@ 545: 0.464
 Total layer sett@ 730: 0.464
 Total layer sett@ 1095: 0.464
 Total layer sett@ 1460: 0.464
 Total layer sett@ 1825: 0.464
 Total layer sett@ 3650: 0.464
 Total layer sett@ 20: 0.464
 Total layer sett@ 50: 0.464
 Cv: 0.15 ft²/day
 Hdr: 3 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.90834537	0.922861	0.598943	0.079868	0.078357	0.064692	0.055523	0.051675	0.050128	0.050128	0.050128
45	0.75	87.26387	1.0375674	1.054148	0.684149	0.097817	0.095968	0.079232	0.068001	0.063288	0.061395	0.061395	0.061395
60	1	93.12798	1.10729163	1.124986	0.730123	0.11295	0.110814	0.091489	0.078521	0.073079	0.070892	0.070892	0.070892
110	1.833333	99.12116	1.17855062	1.197384	0.77711	0.152935	0.150043	0.123876	0.106318	0.09895	0.095989	0.095989	0.095989
140	2.333333	99.74414	1.18595782	1.204909	0.781994	0.172534	0.169271	0.139752	0.119942	0.11163	0.10829	0.10829	0.10829
180	3	99.95063	1.18841299	1.207404	0.783613	0.195635	0.191935	0.158463	0.136002	0.126577	0.122789	0.122789	0.122789
365	6.083333	99.99998	1.18899971	1.208	0.784	0.278584	0.273316	0.225652	0.193667	0.180246	0.174852	0.174852	0.174852
545	9.083333	100	1.189	1.208	0.784	0.340415	0.333977	0.275734	0.23665	0.22025	0.21366	0.21366	0.21366
730	12.16667	100	1.189	1.208	0.784	0.393977	0.386527	0.31912	0.273886	0.254906	0.247278	0.247278	0.247278
1095	18.25	100	1.189	1.208	0.784	0.482522	0.473397	0.39084	0.335441	0.312194	0.302852	0.302852	0.302852
1460	24.33333	100	1.189	1.208	0.784	0.557168	0.546632	0.451304	0.387333	0.360491	0.349704	0.349704	0.349704
1825	30.41667	100	1.189	1.208	0.784	0.622933	0.611153	0.504573	0.433052	0.403041	0.390981	0.390981	0.390981
3650	60.83333	100	1.189	1.208	0.784	0.88096	0.864301	0.713574	0.612428	0.569986	0.55293	0.55293	0.55293
7300	121.6667	100	1.189	1.208	0.784	1.245866	1.222306	1.009146	0.866104	0.806083	0.781962	0.781962	0.781962
18250	304.1667	100	1.189	1.208	0.784	1.829044	1.794456	1.481517	1.271519	1.183402	1.14799	1.14799	1.14799

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days		Settlement 5 years		Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	2.842381399	0.236865117	2.900591909	1.139696637	0.09497472	1.139696637	0.09497472	
45	0.123287671	3.367584711	0.280632059	3.436786452	1.351562839	0.112630237	1.351562839	0.112630237	
60	0.164383562	3.742031729	0.311835977	3.819180214	1.503767178	0.125313931	1.503767178	0.125313931	
110	0.301369863	4.45074504	0.37089542	4.543082946	1.797495158	0.149791263	1.797495158	0.149791263	
140	0.383561644	4.684596181	0.390383015	4.781903662	1.897312607	0.158109384	1.897312607	0.158109384	
180	0.493150685	4.895347213	0.407945601	4.997065313	1.989030972	0.165752581	1.989030972	0.165752581	
365	1	5.334482111	0.444540176	5.445301682	2.182816335	0.181901361	2.182816335	0.181901361	
545	1.493150685	5.527021461	0.460585122	5.642102659	2.263821937	0.188651828	2.263821937	0.188651828	
730	2	5.658259561	0.47152163	5.776443732	2.315987831	0.192998986	2.315987831	0.192998986	
1095	3	5.840830375	0.486735865	5.963553358	2.385164865	0.198763739	2.385164865	0.198763739	
1460	4	5.979166889	0.498263907	6.105436366	2.435956051	0.202996338	2.435956051	0.202996338	
1825	5	6.09629595	0.508024662	6.225602832	2.478439468	0.206536622	2.478439468	0.206536622	
3650	10	6.54703319	0.545586099	6.688094805	2.640928891	0.220077408	2.640928891	0.220077408	
7300	20	7.182869388	0.598572449	7.340525153	2.869961738	0.239163478	2.869961738	0.239163478	
18250	50	8.199032412	0.683252701	8.383208194	3.235990487	0.269665874	3.235990487	0.269665874	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days			Settlement 50 years		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	2.842381399	0.236865117	2.900591909	1.139696637	0.09497472	1.139696637	0.09497472	
45	0.123287671	3.367584711	0.280632059	3.436786452	1.351562839	0.112630237	1.351562839	0.112630237	
60	0.164383562	3.742031729	0.311835977	3.819180214	1.503767178	0.125313931	1.503767178	0.125313931	
110	0.301369863	4.45074504	0.37089542	4.543082946	1.797495158	0.149791263	1.797495158	0.149791263	
140	0.383561644	4.684596181	0.390383015	4.781903662	1.897312607	0.158109384	1.897312607	0.158109384	
180	0.493150685	4.895347213	0.407945601	4.997065313	1.989030972	0.165752581	1.989030972	0.165752581	
365	1	5.334482111	0.444540176	5.445301682	2.182816335	0.181901361	2.182816335	0.181901361	
545	1.493150685	5.527021461	0.460585122	5.642102659	2.263821937	0.188651828	2.263821937	0.188651828	
730	2	5.658259561	0.47152163	5.776443732	2.315987831	0.192998986	2.315987831	0.192998986	
1095	3	5.840830375	0.486735865	5.963553358	2.385164865	0.198763739	2.385164865	0.198763739	
1460	4	5.979166889	0.498263907	6.105436366	2.435956051	0.202996338	2.435956051	0.202996338	
1825	5	6.09629595	0.508024662	6.225602832	2.478439468	0.206536622	2.478439468	0.206536622	
3650	10	6.54703319	0.545586099	6.688094805	2.640928891	0.220077408	2.640928891	0.220077408	
7300	20	7.182869388	0.598572449	7.340525153	2.869961738	0.239163478	2.869961738	0.239163478	
18250	50	8.199032412	0.683252701	8.383208194	3.235990487	0.269665874	3.235990487	0.269665874	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1
 Total layer sett@ 30 days: 0.771 in (from SETANL)
 Total layer sett@ 45: 0.791
 Total layer sett@ 60: 0.33
 Total layer sett@ 110: 0.33
 Total layer sett@ 140: 0.197
 Total layer sett@ 180: 0.197
 Total layer sett@ 365: 0.197
 Total layer sett@ 545: 0.197
 Total layer sett@ 730: 0.197
 Total layer sett@ 1095: 0.197
 Total layer sett@ 1460: 0.197
 Total layer sett@ 1825: 0.197
 Total layer sett@ 3650: 0.197
 Total layer sett@ 20: 0.197
 Total layer sett@ 50: 0.197
 Cv: 0.15 ft²/day
 Hdr: 3 ft

Total layer sett@ 30 days: 0.586
 Total layer sett@ 45: 0.596
 Total layer sett@ 60: 0.386
 Total layer sett@ 110: 0.386
 Total layer sett@ 140: 0.332
 Total layer sett@ 180: 0.332
 Total layer sett@ 365: 0.332
 Total layer sett@ 545: 0.332
 Total layer sett@ 730: 0.332
 Total layer sett@ 1095: 0.332
 Total layer sett@ 1460: 0.332
 Total layer sett@ 1825: 0.332
 Total layer sett@ 3650: 0.332
 Total layer sett@ 20: 0.332
 Total layer sett@ 50: 0.332
 Cv: 0.04
 Hdr: 3.549

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.58901117	0.60429	0.252106	0.15049961	0.1505	0.1505	0.1505	30	0.095273	34.828894
45	0.75	87.26387	0.67280443	0.690257	0.287971	0.17190982	0.17191	0.17191	0.17191	45	0.142909	42.6565092
60	1	93.12798	0.71801669	0.736642	0.307322	0.18346211	0.183462	0.183462	0.183462	60	0.190546	49.2554942
110	1.833333	99.12116	0.76422416	0.784048	0.3271	0.19526869	0.195269	0.195269	0.195269	110	0.349334	65.7645502
140	2.333333	99.74414	0.76902732	0.788976	0.329156	0.19649596	0.196496	0.196496	0.196496	140	0.444607	72.9379
180	3	99.95063	0.77061936	0.790609	0.329837	0.19690274	0.196903	0.196903	0.196903	180	0.571637	80.2207979
365	6.083333	99.99998	0.77099981	0.791	0.33	0.19699995	0.197	0.197	0.197	365	1.159153	95.3601663
545	9.083333	100	0.771	0.791	0.33	0.197	0.197	0.197	0.197	545	1.73079	98.8680815
730	12.16667	100	0.771	0.791	0.33	0.197	0.197	0.197	0.197	730	2.318306	99.7344729
1095	18.25	100	0.771	0.791	0.33	0.197	0.197	0.197	0.197	1095	3.47746	99.9848045
1460	24.33333	100	0.771	0.791	0.33	0.197	0.197	0.197	0.197	1460	4.636613	99.9991304
1825	30.41667	100	0.771	0.791	0.33	0.197	0.197	0.197	0.197	1825	5.795766	99.9999502
3650	60.83333	100	0.771	0.791	0.33	0.197	0.197	0.197	0.197	3650	11.59153	100
7300	121.6667	100	0.771	0.791	0.33	0.197	0.197	0.197	0.197	7300	23.18306	100
18250	304.1667	100	0.771	0.791	0.33	0.197	0.197	0.197	0.197	18250	57.95766	100

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

		Layer 1				Layer 2								
Total layer sett@ 30 days:		0.771 in	(from SETANL)		in	(from SETANL)								
Total layer sett@ 45:		0.791												
Total layer sett@ 60:		0.33												
Total layer sett@ 110:		0.33												
Total layer sett@ 140:		0.197												
Total layer sett@ 180:		0.197												
Total layer sett@ 365:		0.197												
Total layer sett@ 545:		0.197												
Total layer sett@ 730:		0.197												
Total layer sett@ 1095:		0.197												
Total layer sett@ 1460:		0.197												
Total layer sett@ 1825:		0.197												
Total layer sett@ 3650:		0.197												
Total layer sett@ 20:		0.197												
Total layer sett@ 50:		0.197												
Cv:		0.15 ft ² /day	ft ² /day											
Hdr:		3 ft	ft											
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0.5	76.39574	0.58901117	0.60429	0.252106	0.204097	0.20758	0.13444	0.13444	0.115632	0.115632	0.115632	0.115632	
45	0.75	87.26387	0.67280443	0.690257	0.287971	0.249967	0.254233	0.164654	0.164654	0.14162	0.14162	0.14162	0.14162	
60	1	93.12798	0.71801669	0.736642	0.307322	0.288637	0.293563	0.190126	0.190126	0.163528	0.163528	0.163528	0.163528	
110	1.833333	99.12116	0.76422416	0.784048	0.3271	0.38538	0.391957	0.253851	0.253851	0.218338	0.218338	0.218338	0.218338	
140	2.333333	99.74414	0.76902732	0.788976	0.329156	0.427416	0.43471	0.28154	0.28154	0.242154	0.242154	0.242154	0.242154	
180	3	99.95063	0.77061936	0.790609	0.329837	0.470094	0.478116	0.309652	0.309652	0.266333	0.266333	0.266333	0.266333	
365	6.083333	99.99998	0.77099981	0.791	0.33	0.558811	0.568347	0.36809	0.36809	0.316596	0.316596	0.316596	0.316596	
545	9.083333	100	0.771	0.791	0.33	0.579367	0.589254	0.381631	0.381631	0.328242	0.328242	0.328242	0.328242	
730	12.16667	100	0.771	0.791	0.33	0.584444	0.594417	0.384975	0.384975	0.331118	0.331118	0.331118	0.331118	
1095	18.25	100	0.771	0.791	0.33	0.585911	0.595909	0.385941	0.385941	0.33195	0.33195	0.33195	0.33195	
1460	24.33333	100	0.771	0.791	0.33	0.585995	0.595995	0.385997	0.385997	0.331997	0.331997	0.331997	0.331997	
1825	30.41667	100	0.771	0.791	0.33	0.586	0.596	0.386	0.386	0.332	0.332	0.332	0.332	
3650	60.83333	100	0.771	0.791	0.33	0.586	0.596	0.386	0.386	0.332	0.332	0.332	0.332	
7300	121.6667	100	0.771	0.791	0.33	0.586	0.596	0.386	0.386	0.332	0.332	0.332	0.332	
18250	304.1667	100	0.771	0.791	0.33	0.586	0.596	0.386	0.386	0.332	0.332	0.332	0.332	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

		Layer 1			
Total layer sett@ 30 days:	0.771 in	(from SETANL)	al layer sett@ 30 days:	0.327 in	
Total layer sett@ 45:	0.791		Total layer sett@ 45:	0.334	
Total layer sett@ 60:	0.33		Total layer sett@ 60:	0.196	
Total layer sett@ 110:	0.33		Total layer sett@ 110:	0.196	
Total layer sett@ 140:	0.197		Total layer sett@ 140:	0.164	
Total layer sett@ 180:	0.197		Total layer sett@ 180:	0.164	
Total layer sett@ 365:	0.197		Total layer sett@ 365:	0.164	
Total layer sett@ 545:	0.197		Total layer sett@ 545:	0.164	
Total layer sett@ 730:	0.197		Total layer sett@ 730:	0.164	
Total layer sett@ 1095:	0.197		otal layer sett@ 1095:	0.164	
Total layer sett@ 1460:	0.197		otal layer sett@ 1460:	0.164	
Total layer sett@ 1825:	0.197		otal layer sett@ 1825:	0.164	
Total layer sett@ 3650:	0.197		otal layer sett@ 3650:	0.164	
Total layer sett@ 20:	0.197		Total layer sett@ 20:	0.164	
Total layer sett@ 50:	0.197		Total layer sett@ 50:	0.164	
Cv:	0.15 ft ² /day		Cv:	0.04 ft ² /day	
Hdr:	3 ft		Hdr:	5.549 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.58901117	0.60429	0.252106	30	0.038972	22.27568	0.072841	0.074401	0.04366	0.04366	0.036532
45	0.75	87.26387	0.67280443	0.690257	0.287971	45	0.058458	27.28202	0.089212	0.091122	0.053473	0.053473	0.044743
60	1	93.12798	0.71801669	0.736642	0.307322	60	0.077944	31.50257	0.103013	0.105219	0.061745	0.061745	0.051664
110	1.833333	99.12116	0.76422416	0.784048	0.3271	110	0.142897	42.65468	0.139481	0.142467	0.083603	0.083603	0.069954
140	2.333333	99.74414	0.76902732	0.788976	0.329156	140	0.181869	48.12097	0.157356	0.160724	0.094317	0.094317	0.078918
180	3	99.95063	0.77061936	0.790609	0.329837	180	0.233832	54.56405	0.178424	0.182244	0.106946	0.106946	0.089485
365	6.083333	99.99998	0.77099981	0.791	0.33	365	0.474158	74.84133	0.244731	0.24997	0.146689	0.146689	0.12274
545	9.083333	100	0.771	0.791	0.33	545	0.70799	85.87253	0.280803	0.286814	0.16831	0.16831	0.140831
730	12.16667	100	0.771	0.791	0.33	730	0.948317	92.19309	0.301471	0.307925	0.180698	0.180698	0.151197
1095	18.25	100	0.771	0.791	0.33	1095	1.422475	97.57746	0.319078	0.325909	0.191252	0.191252	0.160027
1460	24.33333	100	0.771	0.791	0.33	1460	1.896633	99.24827	0.324542	0.331489	0.194527	0.194527	0.162767
1825	30.41667	100	0.771	0.791	0.33	1825	2.370792	99.76673	0.326237	0.333221	0.195543	0.195543	0.163617
3650	60.83333	100	0.771	0.791	0.33	3650	4.741584	99.99933	0.326998	0.333998	0.195999	0.195999	0.163999
7300	121.6667	100	0.771	0.791	0.33	7300	9.483167	100	0.327	0.334	0.196	0.196	0.164
18250	304.1667	100	0.771	0.791	0.33	18250	23.70792	100	0.327	0.334	0.196	0.196	0.164

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1								Layer 4			
Total layer sett@ 30 days:	0.771 in		(from SETANL)		(from SETANL)			Total layer sett@ 30 days:	0.191 in		
Total layer sett@ 45:	0.791							Total layer sett@ 45:	0.196		
Total layer sett@ 60:	0.33							Total layer sett@ 60:	0.104		
Total layer sett@ 110:	0.33							Total layer sett@ 110:	0.104		
Total layer sett@ 140:	0.197							Total layer sett@ 140:	0.085		
Total layer sett@ 180:	0.197							Total layer sett@ 180:	0.085		
Total layer sett@ 365:	0.197							Total layer sett@ 365:	0.085		
Total layer sett@ 545:	0.197							Total layer sett@ 545:	0.085		
Total layer sett@ 730:	0.197							Total layer sett@ 730:	0.085		
Total layer sett@ 1095:	0.197							Total layer sett@ 1095:	0.085		
Total layer sett@ 1460:	0.197							Total layer sett@ 1460:	0.085		
Total layer sett@ 1825:	0.197							Total layer sett@ 1825:	0.085		
Total layer sett@ 3650:	0.197							Total layer sett@ 3650:	0.085		
Total layer sett@ 20:	0.197							Total layer sett@ 20:	0.085		
Total layer sett@ 50:	0.197							Total layer sett@ 50:	0.085		
Cv:	0.15 ft ² /day							Cv:	0.3 ft ² /day		
Hdr:	3 ft							Hdr:	4 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.58901117	0.60429	0.252106	0.036532	0.036532	30	0.5625	79.76971	0.15236
45	0.75	87.26387	0.67280443	0.690257	0.287971	0.044743	0.044743	45	0.84375	89.89456	0.171699
60	1	93.12798	0.71801669	0.736642	0.307322	0.051664	0.051664	60	1.125	94.95213	0.181359
110	1.833333	99.12116	0.76422416	0.784048	0.3271	0.069954	0.069954	110	2.0625	99.50079	0.190047
140	2.333333	99.74414	0.76902732	0.788976	0.329156	0.078918	0.078918	140	2.625	99.87544	0.190762
180	3	99.95063	0.77061936	0.790609	0.329837	0.089485	0.089485	180	3.375	99.98043	0.190963
365	6.083333	99.99998	0.77099981	0.791	0.33	0.12274	0.12274	365	6.84375	100	0.191
545	9.083333	100	0.771	0.791	0.33	0.140831	0.140831	545	10.21875	100	0.191
730	12.16667	100	0.771	0.791	0.33	0.151197	0.151197	730	13.6875	100	0.191
1095	18.25	100	0.771	0.791	0.33	0.160027	0.160027	1095	20.53125	100	0.191
1460	24.33333	100	0.771	0.791	0.33	0.162767	0.162767	1460	27.375	100	0.191
1825	30.41667	100	0.771	0.791	0.33	0.163617	0.163617	1825	34.21875	100	0.191
3650	60.83333	100	0.771	0.791	0.33	0.163999	0.163999	3650	68.4375	100	0.191
7300	121.6667	100	0.771	0.791	0.33	0.164	0.164	7300	136.875	100	0.191
18250	304.1667	100	0.771	0.791	0.33	0.164	0.164	18250	342.1875	100	0.191

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1
 Total layer sett@ 30 days: 0.771 in (from SETANL) (from SETANL)
 Total layer sett@ 45: 0.791
 Total layer sett@ 60: 0.33
 Total layer sett@ 110: 0.33
 Total layer sett@ 140: 0.197
 Total layer sett@ 180: 0.197
 Total layer sett@ 365: 0.197
 Total layer sett@ 545: 0.197
 Total layer sett@ 730: 0.197
 Total layer sett@ 1095: 0.197
 Total layer sett@ 1460: 0.197
 Total layer sett@ 1825: 0.197
 Total layer sett@ 3650: 0.197
 Total layer sett@ 20: 0.197
 Total layer sett@ 50: 0.197
 Cv: 0.15 ft²/day
 Hdr: 3 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.58901117	0.60429	0.252106	0.156349	0.08296	0.08296	0.067804	0.067804	0.067804	0.067804	0.067804
45	0.75	87.26387	0.67280443	0.690257	0.287971	0.176193	0.09349	0.09349	0.07641	0.07641	0.07641	0.07641	0.07641
60	1	93.12798	0.71801669	0.736642	0.307322	0.186106	0.09875	0.09875	0.080709	0.080709	0.080709	0.080709	0.080709
110	1.833333	99.12116	0.76422416	0.784048	0.3271	0.195022	0.103481	0.103481	0.084576	0.084576	0.084576	0.084576	0.084576
140	2.333333	99.74414	0.76902732	0.788976	0.329156	0.195756	0.10387	0.10387	0.084894	0.084894	0.084894	0.084894	0.084894
180	3	99.95063	0.77061936	0.790609	0.329837	0.195962	0.10398	0.10398	0.084983	0.084983	0.084983	0.084983	0.084983
365	6.083333	99.99998	0.77099981	0.791	0.33	0.196	0.104	0.104	0.085	0.085	0.085	0.085	0.085
545	9.083333	100	0.771	0.791	0.33	0.196	0.104	0.104	0.085	0.085	0.085	0.085	0.085
730	12.16667	100	0.771	0.791	0.33	0.196	0.104	0.104	0.085	0.085	0.085	0.085	0.085
1095	18.25	100	0.771	0.791	0.33	0.196	0.104	0.104	0.085	0.085	0.085	0.085	0.085
1460	24.33333	100	0.771	0.791	0.33	0.196	0.104	0.104	0.085	0.085	0.085	0.085	0.085
1825	30.41667	100	0.771	0.791	0.33	0.196	0.104	0.104	0.085	0.085	0.085	0.085	0.085
3650	60.83333	100	0.771	0.791	0.33	0.196	0.104	0.104	0.085	0.085	0.085	0.085	0.085
7300	121.6667	100	0.771	0.791	0.33	0.196	0.104	0.104	0.085	0.085	0.085	0.085	0.085
18250	304.1667	100	0.771	0.791	0.33	0.196	0.104	0.104	0.085	0.085	0.085	0.085	0.085

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1			Layer 5		
Total layer sett@ 30 days:	0.771 in	(from SETANL)	@ 30 days:	1.274 in	(from SETANL)	
Total layer sett@ 45:	0.791		r sett@ 45:	1.31		
Total layer sett@ 60:	0.33		r sett@ 60:	0.673		
Total layer sett@ 110:	0.33		sett@ 110:	0.673		
Total layer sett@ 140:	0.197		sett@ 140:	0.546		
Total layer sett@ 180:	0.197		sett@ 180:	0.546		
Total layer sett@ 365:	0.197		sett@ 365:	0.546		
Total layer sett@ 545:	0.197		sett@ 545:	0.546		
Total layer sett@ 730:	0.197		sett@ 730:	0.546		
Total layer sett@ 1095:	0.197		ett@ 1095:	0.546		
Total layer sett@ 1460:	0.197		ett@ 1460:	0.546		
Total layer sett@ 1825:	0.197		ett@ 1825:	0.546		
Total layer sett@ 3650:	0.197		ett@ 3650:	0.546		
Total layer sett@ 20:	0.197		r sett@ 20:	0.546		
Total layer sett@ 50:	0.197		r sett@ 50:	0.546		
Cv:	0.15 ft ² /day		Cv:	0.3 ft ² /day		
Hdr:	3 ft		Hdr:	6.5 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.58901117	0.60429	0.252106	0.213018	52.07904	0.663487	0.682235	0.350492	0.350492	0.284352	0.284352
45	0.75	87.26387	0.67280443	0.690257	0.287971	0.319527	63.15116	0.804546	0.82728	0.425007	0.425007	0.344805	0.344805
60	1	93.12798	0.71801669	0.736642	0.307322	0.426036	71.66871	0.913059	0.93886	0.48233	0.48233	0.391311	0.391311
110	1.833333	99.12116	0.76422416	0.784048	0.3271	0.781065	88.20381	1.123717	1.15547	0.593612	0.593612	0.481593	0.481593
140	2.333333	99.74414	0.76902732	0.788976	0.329156	0.994083	93.02689	1.185163	1.218652	0.626071	0.626071	0.507927	0.507927
180	3	99.95063	0.77061936	0.790609	0.329837	1.278107	96.54055	1.229927	1.264681	0.649718	0.649718	0.527111	0.527111
365	6.083333	99.99998	0.77099981	0.791	0.33	2.591716	99.86477	1.272277	1.308229	0.67209	0.67209	0.545262	0.545262
545	9.083333	100	0.771	0.791	0.33	3.869822	99.99423	1.273926	1.309924	0.672961	0.672961	0.545968	0.545968
730	12.16667	100	0.771	0.791	0.33	5.183432	99.99977	1.273997	1.309997	0.672998	0.672998	0.545999	0.545999
1095	18.25	100	0.771	0.791	0.33	7.775148	100	1.274	1.31	0.673	0.673	0.546	0.546
1460	24.33333	100	0.771	0.791	0.33	10.36686	100	1.274	1.31	0.673	0.673	0.546	0.546
1825	30.41667	100	0.771	0.791	0.33	12.95858	100	1.274	1.31	0.673	0.673	0.546	0.546
3650	60.83333	100	0.771	0.791	0.33	25.91716	100	1.274	1.31	0.673	0.673	0.546	0.546
7300	121.6667	100	0.771	0.791	0.33	51.83432	100	1.274	1.31	0.673	0.673	0.546	0.546
18250	304.1667	100	0.771	0.791	0.33	129.5858	100	1.274	1.31	0.673	0.673	0.546	0.546

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

		Layer 1	
Total layer sett@ 30 days:	0.771 in	(from SETANL)	
Total layer sett@ 45:	0.791		
Total layer sett@ 60:	0.33		
Total layer sett@ 110:	0.33		
Total layer sett@ 140:	0.197		
Total layer sett@ 180:	0.197		
Total layer sett@ 365:	0.197		
Total layer sett@ 545:	0.197		
Total layer sett@ 730:	0.197		
Total layer sett@ 1095:	0.197		
Total layer sett@ 1460:	0.197		
Total layer sett@ 1825:	0.197		
Total layer sett@ 3650:	0.197		
Total layer sett@ 20:	0.197		
Total layer sett@ 50:	0.197		
Cv:	0.15 ft ² /day		
Hdr:	3 ft		

		Layer 6	
Total layer sett@ 30 days:	2.179 in	(from SETANL)	
Total layer sett@ 45:	2.242		
Total layer sett@ 60:	1.136		
Total layer sett@ 110:	1.136		
Total layer sett@ 140:	0.92		
Total layer sett@ 180:	0.92		
Total layer sett@ 365:	0.92		
Total layer sett@ 545:	0.92		
Total layer sett@ 730:	0.92		
Total layer sett@ 1095:	0.92		
Total layer sett@ 1460:	0.92		
Total layer sett@ 1825:	0.92		
Total layer sett@ 3650:	0.92		
Total layer sett@ 20:	0.92		
Total layer sett@ 50:	0.92		
Cv:	0.04 ft ² /day		
Hdr:	34.3735 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	0.5	76.39574	0.58901117	0.60429	0.252106	0.284352
45	0.75	87.26387	0.67280443	0.690257	0.287971	0.344805
60	1	93.12798	0.71801669	0.736642	0.307322	0.391311
110	1.833333	99.12116	0.76422416	0.784048	0.3271	0.481593
140	2.333333	99.74414	0.76902732	0.788976	0.329156	0.507927
180	3	99.95063	0.77061936	0.790609	0.329837	0.527111
365	6.083333	99.99998	0.77099981	0.791	0.33	0.545262
545	9.083333	100	0.771	0.791	0.33	0.545968
730	12.16667	100	0.771	0.791	0.33	0.545999
1095	18.25	100	0.771	0.791	0.33	0.546
1460	24.33333	100	0.771	0.791	0.33	0.546
1825	30.41667	100	0.771	0.791	0.33	0.546
3650	60.83333	100	0.771	0.791	0.33	0.546
7300	121.6667	100	0.771	0.791	0.33	0.546
18250	304.1667	100	0.771	0.791	0.33	0.546

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.001016	3.596019	0.078357	0.080623	0.040851
45	0.001523	4.404205	0.095968	0.098742	0.050032
60	0.002031	5.085538	0.110814	0.114018	0.057772
110	0.003724	6.885851	0.150043	0.154381	0.078223
140	0.00474	7.768288	0.169271	0.174165	0.088248
180	0.006094	8.808411	0.191935	0.197485	0.100064
365	0.012357	12.54318	0.273316	0.281218	0.142491
545	0.018451	15.32708	0.333977	0.343633	0.174116
730	0.024714	17.73874	0.386527	0.397703	0.201512
1095	0.03707	21.72543	0.473397	0.487084	0.246801
1460	0.049427	25.08636	0.546632	0.562436	0.284981
1825	0.061784	28.04741	0.611153	0.628823	0.318619
3650	0.123568	39.66502	0.864301	0.88929	0.450595
7300	0.247136	56.09482	1.222306	1.257646	0.637237
18250	0.617839	82.35226	1.794456	1.846338	0.935522

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft									
Layer 1									
Total layer sett@ 30 days:	0.771 in	(from SETANL)							
Total layer sett@ 45:	0.791								
Total layer sett@ 60:	0.33								
Total layer sett@ 110:	0.33								
Total layer sett@ 140:	0.197								
Total layer sett@ 180:	0.197								
Total layer sett@ 365:	0.197								
Total layer sett@ 545:	0.197								
Total layer sett@ 730:	0.197								
Total layer sett@ 1095:	0.197								
Total layer sett@ 1460:	0.197								
Total layer sett@ 1825:	0.197								
Total layer sett@ 3650:	0.197								
Total layer sett@ 20:	0.197								
Total layer sett@ 50:	0.197								
Cv:	0.15 ft ² /day								
Hdr:	3 ft								
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.5	76.39574	0.58901117	0.60429	0.252106	0.033083	0.033083	0.033083	0.033083
45	0.75	87.26387	0.67280443	0.690257	0.287971	0.040519	0.040519	0.040519	0.040519
60	1	93.12798	0.71801669	0.736642	0.307322	0.046787	0.046787	0.046787	0.046787
110	1.833333	99.12116	0.76422416	0.784048	0.3271	0.06335	0.06335	0.06335	0.06335
140	2.333333	99.74414	0.76902732	0.788976	0.329156	0.071468	0.071468	0.071468	0.071468
180	3	99.95063	0.77061936	0.790609	0.329837	0.081037	0.081037	0.081037	0.081037
365	6.083333	99.99998	0.77099981	0.791	0.33	0.115397	0.115397	0.115397	0.115397
545	9.083333	100	0.771	0.791	0.33	0.141009	0.141009	0.141009	0.141009
730	12.16667	100	0.771	0.791	0.33	0.163196	0.163196	0.163196	0.163196
1095	18.25	100	0.771	0.791	0.33	0.199874	0.199874	0.199874	0.199874
1460	24.33333	100	0.771	0.791	0.33	0.230795	0.230795	0.230795	0.230795
1825	30.41667	100	0.771	0.791	0.33	0.258036	0.258036	0.258036	0.258036
3650	60.83333	100	0.771	0.791	0.33	0.364918	0.364918	0.364918	0.364918
7300	121.6667	100	0.771	0.791	0.33	0.516072	0.516072	0.516072	0.516072
18250	304.1667	100	0.771	0.791	0.33	0.757641	0.757641	0.757641	0.757641

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft			Settlement 45 days		Settlement 60 days		Settlement 110 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)						
0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.760154299	0.146679525	1.805478065	0.150456505	0.904509007	0.075375751	0.904509007	0.075375751
45	0.123287671	2.084195877	0.17368299	2.13782784	0.17815232	1.074627115	0.08955226	1.074627115	0.08955226
60	0.164383562	2.314899103	0.192908259	2.374407659	0.197867305	1.198045911	0.099837159	1.198045911	0.099837159
110	0.301369863	2.752891027	0.229407586	2.823344041	0.23527867	1.439869931	0.119989161	1.439869931	0.119989161
140	0.383561644	2.898994583	0.241582882	2.972983141	0.247748595	1.523202201	0.126933517	1.523202201	0.126933517
180	0.493150685	3.031962182	0.252663515	3.10909679	0.259091399	1.600195995	0.133349666	1.600195995	0.133349666
365	1	3.31113466	0.275927888	3.394763088	0.282896924	1.763359627	0.146946636	1.763359627	0.146946636
545	1.493150685	3.430073786	0.285839482	3.516625657	0.293052138	1.831017797	0.152584816	1.831017797	0.152584816
730	2	3.508439638	0.29236997	3.597041926	0.299753494	1.874184064	0.156182005	1.874184064	0.156182005
1095	3	3.614386337	0.301198861	3.70590226	0.308825188	1.930994035	0.16091617	1.930994035	0.16091617
1460	4	3.693168623	0.307764052	3.786920325	0.315576694	1.97250435	0.164375362	1.97250435	0.164375362
1825	5	3.759389946	0.313282496	3.85504348	0.321253623	2.00716116	0.16726343	2.00716116	0.16726343
3650	10	4.013298699	0.334441558	4.116287618	0.343023968	2.139593368	0.178299447	2.139593368	0.178299447
7300	20	4.371306046	0.364275504	4.48464578	0.373720482	2.326237112	0.193853093	2.326237112	0.193853093
18250	50	4.943455717	0.411954643	5.07333764	0.422778137	2.624521659	0.218710138	2.624521659	0.218710138

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days			Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.760154299	0.146679525	1.805478065	0.687902827	0.057325236	0.687902827	0.057325236	0.687902827	0.057325236
45	0.123287671	2.084195877	0.17368299	2.13782784	0.820006377	0.068333865	0.820006377	0.068333865	0.820006377	0.068333865
60	0.164383562	2.314899103	0.192908259	2.374407659	0.917461985	0.076455165	0.917461985	0.076455165	0.917461985	0.076455165
110	0.301369863	2.752891027	0.229407586	2.823344041	1.113078998	0.092756583	1.113078998	0.092756583	1.113078998	0.092756583
140	0.383561644	2.898994583	0.241582882	2.972983141	1.181857339	0.098488112	1.181857339	0.098488112	1.181857339	0.098488112
180	0.493150685	3.031962182	0.252663515	3.10909679	1.245852982	0.103821082	1.245852982	0.103821082	1.245852982	0.103821082
365	1	3.31113466	0.275927888	3.394763088	1.381994411	0.115166201	1.381994411	0.115166201	1.381994411	0.115166201
545	1.493150685	3.430073786	0.285839482	3.516625657	1.43805065	0.119837554	1.43805065	0.119837554	1.43805065	0.119837554
730	2	3.508439638	0.29236997	3.597041926	1.473510273	0.122792523	1.473510273	0.122792523	1.473510273	0.122792523
1095	3	3.614386337	0.301198861	3.70590226	1.519850528	0.126654211	1.519850528	0.126654211	1.519850528	0.126654211
1460	4	3.693168623	0.307764052	3.786920325	1.553558826	0.129463236	1.553558826	0.129463236	1.553558826	0.129463236
1825	5	3.759389946	0.313282496	3.85504348	1.581653431	0.131804453	1.581653431	0.131804453	1.581653431	0.131804453
3650	10	4.013298699	0.334441558	4.116287618	1.688917129	0.140743094	1.688917129	0.140743094	1.688917129	0.140743094
7300	20	4.371306046	0.364275504	4.48464578	1.840072309	0.153339359	1.840072309	0.153339359	1.840072309	0.153339359
18250	50	4.943455717	0.411954643	5.07333764	2.08164078	0.173470065	2.08164078	0.173470065	2.08164078	0.173470065

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	1.760154299	0.146679525	1.805478065	0.687902827	0.057325236	0.687902827	0.057325236	0.687902827	0.057325236	0.687902827	
45	0.123287671	2.084195877	0.17368299	2.13782784	0.820006377	0.068333865	0.820006377	0.068333865	0.820006377	0.068333865	0.820006377	
60	0.164383562	2.314899103	0.192908259	2.374407659	0.917461985	0.076455165	0.917461985	0.076455165	0.917461985	0.076455165	0.917461985	
110	0.301369863	2.752891027	0.229407586	2.823344041	1.113078998	0.092756583	1.113078998	0.092756583	1.113078998	0.092756583	1.113078998	
140	0.383561644	2.898994583	0.241582882	2.972983141	1.181857339	0.098488112	1.181857339	0.098488112	1.181857339	0.098488112	1.181857339	
180	0.493150685	3.031962182	0.252663515	3.10909679	1.245852982	0.103821082	1.245852982	0.103821082	1.245852982	0.103821082	1.245852982	
365	1	3.31113466	0.275927888	3.394763088	1.381994411	0.115166201	1.381994411	0.115166201	1.381994411	0.115166201	1.381994411	
545	1.493150685	3.430073786	0.285839482	3.516625657	1.43805065	0.119837554	1.43805065	0.119837554	1.43805065	0.119837554	1.43805065	
730	2	3.508439638	0.29236997	3.597041926	1.473510273	0.122792523	1.473510273	0.122792523	1.473510273	0.122792523	1.473510273	
1095	3	3.614386337	0.301198861	3.70590226	1.519850528	0.126654211	1.519850528	0.126654211	1.519850528	0.126654211	1.519850528	
1460	4	3.693168623	0.307764052	3.786920325	1.553558826	0.129463236	1.553558826	0.129463236	1.553558826	0.129463236	1.553558826	
1825	5	3.759389946	0.313282496	3.85504348	1.581653431	0.131804453	1.581653431	0.131804453	1.581653431	0.131804453	1.581653431	
3650	10	4.013298699	0.334441558	4.116287618	1.688917129	0.140743094	1.688917129	0.140743094	1.688917129	0.140743094	1.688917129	
7300	20	4.371306046	0.364275504	4.48464578	1.840072309	0.153339359	1.840072309	0.153339359	1.840072309	0.153339359	1.840072309	
18250	50	4.943455717	0.411954643	5.07333764	2.08164078	0.173470065	2.08164078	0.173470065	2.08164078	0.173470065	2.08164078	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.760154299	0.146679525	1.805478065	0.057325236	0.687902827	0.057325236	0.687902827	0.057325236
45	0.123287671	2.084195877	0.17368299	2.13782784	0.068333865	0.820006377	0.068333865	0.820006377	0.068333865
60	0.164383562	2.314899103	0.192908259	2.374407659	0.076455165	0.917461985	0.076455165	0.917461985	0.076455165
110	0.301369863	2.752891027	0.229407586	2.823344041	0.092756583	1.113078998	0.092756583	1.113078998	0.092756583
140	0.383561644	2.898994583	0.241582882	2.972983141	0.098488112	1.181857339	0.098488112	1.181857339	0.098488112
180	0.493150685	3.031962182	0.252663515	3.10909679	0.103821082	1.245852982	0.103821082	1.245852982	0.103821082
365	1	3.31113466	0.275927888	3.394763088	0.115166201	1.381994411	0.115166201	1.381994411	0.115166201
545	1.493150685	3.430073786	0.285839482	3.516625657	0.119837554	1.43805065	0.119837554	1.43805065	0.119837554
730	2	3.508439638	0.29236997	3.597041926	0.122792523	1.473510273	0.122792523	1.473510273	0.122792523
1095	3	3.614386337	0.301198861	3.70590226	0.126654211	1.519850528	0.126654211	1.519850528	0.126654211
1460	4	3.693168623	0.307764052	3.786920325	0.129463236	1.553558826	0.129463236	1.553558826	0.129463236
1825	5	3.759389946	0.313282496	3.85504348	0.131804453	1.581653431	0.131804453	1.581653431	0.131804453
3650	10	4.013298699	0.334441558	4.116287618	0.140743094	1.688917129	0.140743094	1.688917129	0.140743094
7300	20	4.371306046	0.364275504	4.48464578	0.153339359	1.840072309	0.153339359	1.840072309	0.153339359
18250	50	4.943455717	0.411954643	5.07333764	0.173470065	2.08164078	0.173470065	2.08164078	0.173470065

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days			Settlement 5 years		Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.760154299	0.146679525	1.805478065	0.687902827	0.057325236	0.687902827	0.057325236	0.687902827	0.057325236
45	0.123287671	2.084195877	0.17368299	2.13782784	0.820006377	0.068333865	0.820006377	0.068333865	0.820006377	0.068333865
60	0.164383562	2.314899103	0.192908259	2.374407659	0.917461985	0.076455165	0.917461985	0.076455165	0.917461985	0.076455165
110	0.301369863	2.752891027	0.229407586	2.823344041	1.113078998	0.092756583	1.113078998	0.092756583	1.113078998	0.092756583
140	0.383561644	2.898994583	0.241582882	2.972983141	1.181857339	0.098488112	1.181857339	0.098488112	1.181857339	0.098488112
180	0.493150685	3.031962182	0.252663515	3.10909679	1.245852982	0.103821082	1.245852982	0.103821082	1.245852982	0.103821082
365	1	3.31113466	0.275927888	3.394763088	1.381994411	0.115166201	1.381994411	0.115166201	1.381994411	0.115166201
545	1.493150685	3.430073786	0.285839482	3.516625657	1.43805065	0.119837554	1.43805065	0.119837554	1.43805065	0.119837554
730	2	3.508439638	0.29236997	3.597041926	1.473510273	0.122792523	1.473510273	0.122792523	1.473510273	0.122792523
1095	3	3.614386337	0.301198861	3.70590226	1.519850528	0.126654211	1.519850528	0.126654211	1.519850528	0.126654211
1460	4	3.693168623	0.307764052	3.786920325	1.553558826	0.129463236	1.553558826	0.129463236	1.553558826	0.129463236
1825	5	3.759389946	0.313282496	3.85504348	1.581653431	0.131804453	1.581653431	0.131804453	1.581653431	0.131804453
3650	10	4.013298699	0.334441558	4.116287618	1.688917129	0.140743094	1.688917129	0.140743094	1.688917129	0.140743094
7300	20	4.371306046	0.364275504	4.48464578	1.840072309	0.153339359	1.840072309	0.153339359	1.840072309	0.153339359
18250	50	4.943455717	0.411954643	5.07333764	2.08164078	0.173470065	2.08164078	0.173470065	2.08164078	0.173470065

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	1.760154299	0.146679525	1.805478065	0.687902827	0.057325236	0.687902827	0.057325236	
45	0.123287671	2.084195877	0.17368299	2.13782784	0.820006377	0.068333865	0.820006377	0.068333865	
60	0.164383562	2.314899103	0.192908259	2.374407659	0.917461985	0.076455165	0.917461985	0.076455165	
110	0.301369863	2.752891027	0.229407586	2.823344041	1.113078998	0.092756583	1.113078998	0.092756583	
140	0.383561644	2.898994583	0.241582882	2.972983141	1.181857339	0.098488112	1.181857339	0.098488112	
180	0.493150685	3.031962182	0.252663515	3.10909679	1.245852982	0.103821082	1.245852982	0.103821082	
365	1	3.31113466	0.275927888	3.394763088	1.381994411	0.115166201	1.381994411	0.115166201	
545	1.493150685	3.430073786	0.285839482	3.516625657	1.43805065	0.119837554	1.43805065	0.119837554	
730	2	3.508439638	0.29236997	3.597041926	1.473510273	0.122792523	1.473510273	0.122792523	
1095	3	3.614386337	0.301198861	3.70590226	1.519850528	0.126654211	1.519850528	0.126654211	
1460	4	3.693168623	0.307764052	3.786920325	1.553558826	0.129463236	1.553558826	0.129463236	
1825	5	3.759389946	0.313282496	3.85504348	1.581653431	0.131804453	1.581653431	0.131804453	
3650	10	4.013298699	0.334441558	4.116287618	1.688917129	0.140743094	1.688917129	0.140743094	
7300	20	4.371306046	0.364275504	4.48464578	1.840072309	0.153339359	1.840072309	0.153339359	
18250	50	4.943455717	0.411954643	5.07333764	2.08164078	0.173470065	2.08164078	0.173470065	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1
(from SETANL)

Total layer sett@ 30 days: 0.43 in
 Total layer sett@ 45: 0.434
 Total layer sett@ 60: 0.297
 Total layer sett@ 110: 0.293
 Total layer sett@ 140: 0.254
 Total layer sett@ 180: 0.226
 Total layer sett@ 365: 0.214
 Total layer sett@ 545: 0.212
 Total layer sett@ 730: 0.212
 Total layer sett@ 1095: 0.212
 Total layer sett@ 1460: 0.212
 Total layer sett@ 1825: 0.212
 Total layer sett@ 3650: 0.212
 Total layer sett@ 20: 0.212
 Total layer sett@ 50: 0.212
 Cv: 0.2 ft²/day
 Hdr: 2 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138	0.248918	0.221478	0.209719	0.207759	0.207759	0.207759	0.207759
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079	0.253202	0.22529	0.213327	0.211334	0.211334	0.211334	0.211334
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855	0.253875	0.225888	0.213894	0.211895	0.211895	0.211895	0.211895
110	5.5	99.9999	0.42999956	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212
140	7	100	0.42999999	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212
180	9	100	0.43	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212
365	18.25	100	0.43	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212
545	27.25	100	0.43	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212
730	36.5	100	0.43	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212
1095	54.75	100	0.43	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212
1460	73	100	0.43	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212
1825	91.25	100	0.43	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212
3650	182.5	100	0.43	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212
7300	365	100	0.43	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212
18250	912.5	100	0.43	0.434	0.297	0.293	0.254	0.226	0.214	0.212	0.212	0.212	0.212

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1
(from SETANL)

Total layer sett@ 30 days: 0.43 in
 Total layer sett@ 45: 0.434
 Total layer sett@ 60: 0.297
 Total layer sett@ 110: 0.293
 Total layer sett@ 140: 0.254
 Total layer sett@ 180: 0.226
 Total layer sett@ 365: 0.214
 Total layer sett@ 545: 0.212
 Total layer sett@ 730: 0.212
 Total layer sett@ 1095: 0.212
 Total layer sett@ 1460: 0.212
 Total layer sett@ 1825: 0.212
 Total layer sett@ 3650: 0.212
 Total layer sett@ 20: 0.212
 Total layer sett@ 50: 0.212
 Cv: 0.2 ft²/day
 Hdr: 2 ft

Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv
0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138	0.20775855	0.207759	0.207759	0.207759	30	0.117296
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079	0.21133372	0.211334	0.211334	0.211334	45	0.175944
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855	0.21189534	0.211895	0.211895	0.211895	60	0.234592
110	5.5	99.9999	0.42999956	0.434	0.297	0.293	0.21199978	0.212	0.212	0.212	110	0.430085
140	7	100	0.42999999	0.434	0.297	0.293	0.21199999	0.212	0.212	0.212	140	0.547381
180	9	100	0.43	0.434	0.297	0.293	0.212	0.212	0.212	0.212	180	0.703776
365	18.25	100	0.43	0.434	0.297	0.293	0.212	0.212	0.212	0.212	365	1.427101
545	27.25	100	0.43	0.434	0.297	0.293	0.212	0.212	0.212	0.212	545	2.130876
730	36.5	100	0.43	0.434	0.297	0.293	0.212	0.212	0.212	0.212	730	2.854201
1095	54.75	100	0.43	0.434	0.297	0.293	0.212	0.212	0.212	0.212	1095	4.281302
1460	73	100	0.43	0.434	0.297	0.293	0.212	0.212	0.212	0.212	1460	5.708402
1825	91.25	100	0.43	0.434	0.297	0.293	0.212	0.212	0.212	0.212	1825	7.135503
3650	182.5	100	0.43	0.434	0.297	0.293	0.212	0.212	0.212	0.212	3650	14.27101
7300	365	100	0.43	0.434	0.297	0.293	0.212	0.212	0.212	0.212	7300	28.54201
18250	912.5	100	0.43	0.434	0.297	0.293	0.212	0.212	0.212	0.212	18250	71.35503

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1				Layer 2			
Total layer sett@ 30 days:	0.43 in	(from SETANL)			0.289 in	(from SETANL)		
Total layer sett@ 45:	0.434				0.293			
Total layer sett@ 60:	0.297				0.183			
Total layer sett@ 110:	0.293				0.18			
Total layer sett@ 140:	0.254				0.151			
Total layer sett@ 180:	0.226				0.132			
Total layer sett@ 365:	0.214				0.124			
Total layer sett@ 545:	0.212				0.122			
Total layer sett@ 730:	0.212				0.122			
Total layer sett@ 1095:	0.212				0.122			
Total layer sett@ 1460:	0.212				0.122			
Total layer sett@ 1825:	0.212				0.122			
Total layer sett@ 3650:	0.212				0.122			
Total layer sett@ 20:	0.212				0.122			
Total layer sett@ 50:	0.212				0.122			
Cv:	0.2 ft ² /day				0.03 ft ² /day			
Hdr:	2 ft				2.77 ft			

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138	38.6452877	0.111685	0.113231	0.070721	0.069562	0.058354	0.051012
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079	47.3306179	0.136785	0.138679	0.086615	0.085195	0.071469	0.062476
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855	54.65269	0.157946	0.160132	0.100014	0.098375	0.082526	0.072142
110	5.5	99.9999	0.42999956	0.434	0.297	0.293	71.9504478	0.207937	0.210815	0.131669	0.129511	0.108645	0.094975
140	7	100	0.42999999	0.434	0.297	0.293	79.0006035	0.228312	0.231472	0.144571	0.142201	0.119291	0.104281
180	9	100	0.43	0.434	0.297	0.293	85.7248289	0.247745	0.251174	0.156876	0.154305	0.129444	0.113157
365	18.25	100	0.43	0.434	0.297	0.293	97.6049564	0.282078	0.285983	0.178617	0.175689	0.147383	0.128839
545	27.25	100	0.43	0.434	0.297	0.293	99.5783047	0.287781	0.291764	0.182228	0.179241	0.150363	0.131443
730	36.5	100	0.43	0.434	0.297	0.293	99.9292493	0.288796	0.292793	0.182871	0.179873	0.150893	0.131907
1095	54.75	100	0.43	0.434	0.297	0.293	99.99791	0.288994	0.292994	0.182996	0.179996	0.150997	0.131997
1460	73	100	0.43	0.434	0.297	0.293	99.9999383	0.289	0.293	0.183	0.18	0.151	0.132
1825	91.25	100	0.43	0.434	0.297	0.293	99.9999982	0.289	0.293	0.183	0.18	0.151	0.132
3650	182.5	100	0.43	0.434	0.297	0.293	100	0.289	0.293	0.183	0.18	0.151	0.132
7300	365	100	0.43	0.434	0.297	0.293	100	0.289	0.293	0.183	0.18	0.151	0.132
18250	912.5	100	0.43	0.434	0.297	0.293	100	0.289	0.293	0.183	0.18	0.151	0.132

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1
(from SETANL)

Total layer sett@ 30 days: 0.43 in
 Total layer sett@ 45: 0.434
 Total layer sett@ 60: 0.297
 Total layer sett@ 110: 0.293
 Total layer sett@ 140: 0.254
 Total layer sett@ 180: 0.226
 Total layer sett@ 365: 0.214
 Total layer sett@ 545: 0.212
 Total layer sett@ 730: 0.212
 Total layer sett@ 1095: 0.212
 Total layer sett@ 1460: 0.212
 Total layer sett@ 1825: 0.212
 Total layer sett@ 3650: 0.212
 Total layer sett@ 20: 0.212
 Total layer sett@ 50: 0.212
 Cv: 0.2 ft²/day
 Hdr: 2 ft

Total layer sett@ 30 days: 2.544 in
 Total layer sett@ 45: 2.576
 Total layer sett@ 60: 1.569
 Total layer sett@ 110: 1.543
 Total layer sett@ 140: 1.29
 Total layer sett@ 180: 1.122
 Total layer sett@ 365: 1.051
 Total layer sett@ 545: 1.037
 Total layer sett@ 730: 1.037
 Total layer sett@ 1095: 1.037
 Total layer sett@ 1460: 1.037
 Total layer sett@ 1825: 1.037
 Total layer sett@ 3650: 1.037
 Total layer sett@ 20: 1.037
 Total layer sett@ 50: 1.037
 Cv: 0.024 ft²/day
 Hdr: 4.48 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138	0.047147	0.047147
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079	0.057743	0.057743
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855	0.066676	0.066676
110	5.5	99.9999	0.42999956	0.434	0.297	0.293	0.08778	0.08778
140	7	100	0.42999999	0.434	0.297	0.293	0.096381	0.096381
180	9	100	0.43	0.434	0.297	0.293	0.104584	0.104584
365	18.25	100	0.43	0.434	0.297	0.293	0.119078	0.119078
545	27.25	100	0.43	0.434	0.297	0.293	0.121486	0.121486
730	36.5	100	0.43	0.434	0.297	0.293	0.121914	0.121914
1095	54.75	100	0.43	0.434	0.297	0.293	0.121997	0.121997
1460	73	100	0.43	0.434	0.297	0.293	0.122	0.122
1825	91.25	100	0.43	0.434	0.297	0.293	0.122	0.122
3650	182.5	100	0.43	0.434	0.297	0.293	0.122	0.122
7300	365	100	0.43	0.434	0.297	0.293	0.122	0.122
18250	912.5	100	0.43	0.434	0.297	0.293	0.122	0.122

time, t (days)	Tv	U	Sett@30
0	0	0	0
30	0.035874	21.37191	0.543701
45	0.053811	26.17513	0.665895
60	0.071747	30.22444	0.76891
110	0.131537	40.92409	1.041109
140	0.167411	46.1686	1.174529
180	0.215242	52.35027	1.331791
365	0.436464	72.38854	1.841565
545	0.651706	83.76732	2.131041
730	0.872927	90.59665	2.304779
1095	1.309391	96.7976	2.462531
1460	1.745855	98.90939	2.516255
1825	2.182318	99.62858	2.534551
3650	4.364636	99.9983	2.543957
7300	8.729273	100	2.544
18250	21.82318	100	2.544

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

		Layer 1					Layer 3							
Total layer sett@ 30 days:		0.43 in	(from SETANL)											
Total layer sett@ 45:		0.434												
Total layer sett@ 60:		0.297												
Total layer sett@ 110:		0.293												
Total layer sett@ 140:		0.254												
Total layer sett@ 180:		0.226												
Total layer sett@ 365:		0.214												
Total layer sett@ 545:		0.212												
Total layer sett@ 730:		0.212												
Total layer sett@ 1095:		0.212												
Total layer sett@ 1460:		0.212												
Total layer sett@ 1825:		0.212												
Total layer sett@ 3650:		0.212												
Total layer sett@ 20:		0.212												
Total layer sett@ 50:		0.212												
Cv:		0.2 ft ² /day												
Hdr:		2 ft												
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@210	Sett@240	Sett@270	Sett@300	Sett@365	Sett@545
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138	0.55054	0.335325	0.329769	0.275698	0.239793	0.224619	0.221627	
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079	0.674271	0.410688	0.403882	0.337659	0.293685	0.275101	0.271436	
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855	0.778582	0.474221	0.466363	0.389895	0.339118	0.317659	0.313427	
110	5.5	99.9999	0.42999956	0.434	0.297	0.293	1.054205	0.642099	0.631459	0.527921	0.459168	0.430112	0.424383	
140	7	100	0.42999999	0.434	0.297	0.293	1.189303	0.724385	0.712381	0.595575	0.518012	0.485232	0.478768	
180	9	100	0.43	0.434	0.297	0.293	1.348543	0.821376	0.807765	0.675318	0.58737	0.550201	0.542872	
365	18.25	100	0.43	0.434	0.297	0.293	1.864729	1.135776	1.116955	0.933812	0.812199	0.760804	0.750669	
545	27.25	100	0.43	0.434	0.297	0.293	2.157846	1.314309	1.29253	1.080598	0.939869	0.880395	0.868667	
730	36.5	100	0.43	0.434	0.297	0.293	2.33377	1.421461	1.397906	1.168697	1.016494	0.952171	0.939487	
1095	54.75	100	0.43	0.434	0.297	0.293	2.493506	1.518754	1.493587	1.248689	1.086069	1.017343	1.003791	
1460	73	100	0.43	0.434	0.297	0.293	2.547906	1.551888	1.526172	1.275931	1.109763	1.039538	1.02569	
1825	91.25	100	0.43	0.434	0.297	0.293	2.566432	1.563172	1.537269	1.285209	1.117833	1.047096	1.033148	
3650	182.5	100	0.43	0.434	0.297	0.293	2.575956	1.568973	1.542974	1.289978	1.121981	1.050982	1.036982	
7300	365	100	0.43	0.434	0.297	0.293	2.576	1.569	1.543	1.29	1.122	1.051	1.037	
18250	912.5	100	0.43	0.434	0.297	0.293	2.576	1.569	1.543	1.29	1.122	1.051	1.037	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1				Layer 4			
Total layer sett@ 30 days:	0.43 in	(from SETANL)	NL)	Total layer sett@ 30 days:	6.942 in	(from SETA	
Total layer sett@ 45:	0.434			Total layer sett@ 45:	7.038		
Total layer sett@ 60:	0.297			Total layer sett@ 60:	4.107		
Total layer sett@ 110:	0.293			Total layer sett@ 110:	4.034		
Total layer sett@ 140:	0.254			Total layer sett@ 140:	3.333		
Total layer sett@ 180:	0.226			Total layer sett@ 180:	2.879		
Total layer sett@ 365:	0.214			Total layer sett@ 365:	2.687		
Total layer sett@ 545:	0.212			Total layer sett@ 545:	2.648		
Total layer sett@ 730:	0.212			Total layer sett@ 730:	2.648		
Total layer sett@ 1095:	0.212			Total layer sett@ 1095:	2.648		
Total layer sett@ 1460:	0.212			Total layer sett@ 1460:	2.648		
Total layer sett@ 1825:	0.212			Total layer sett@ 1825:	2.648		
Total layer sett@ 3650:	0.212			Total layer sett@ 3650:	2.648		
Total layer sett@ 20:	0.212			Total layer sett@ 20:	2.648		
Total layer sett@ 50:	0.212			Total layer sett@ 50:	2.648		
Cv:	0.2 ft ² /day			Cv:	0.03 ft ² /day		
Hdr:	2 ft			Hdr:	32.01 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	time, t (days)	Tv	U	Sett@30	Sett@45
0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138	30	0.000878	3.344188	0.232154	0.235364
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079	45	0.001318	4.095777	0.284329	0.288261
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855	60	0.001757	4.729396	0.328315	0.332855
110	5.5	99.9999	0.42999956	0.434	0.297	0.293	110	0.003221	6.403632	0.44454	0.450688
140	7	100	0.42999999	0.434	0.297	0.293	140	0.004099	7.224271	0.501509	0.508444
180	9	100	0.43	0.434	0.297	0.293	180	0.00527	8.191553	0.568658	0.576522
365	18.25	100	0.43	0.434	0.297	0.293	365	0.010687	11.66478	0.809769	0.820967
545	27.25	100	0.43	0.434	0.297	0.293	545	0.015957	14.25372	0.989493	1.003177
730	36.5	100	0.43	0.434	0.297	0.293	730	0.021373	16.49649	1.145186	1.161023
1095	54.75	100	0.43	0.434	0.297	0.293	1095	0.03206	20.20399	1.402561	1.421957
1460	73	100	0.43	0.434	0.297	0.293	1460	0.042747	23.32955	1.619538	1.641934
1825	91.25	100	0.43	0.434	0.297	0.293	1825	0.053433	26.08323	1.810698	1.835738
3650	182.5	100	0.43	0.434	0.297	0.293	3650	0.106867	36.88726	2.560714	2.596126
7300	365	100	0.43	0.434	0.297	0.293	7300	0.213734	52.16647	3.621396	3.671476
18250	912.5	100	0.43	0.434	0.297	0.293	18250	0.534334	78.31343	5.436518	5.511699

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1

Total layer sett@ 30 days: 0.43 in (from SETANL) NL)

Total layer sett@ 45: 0.434

Total layer sett@ 60: 0.297

Total layer sett@ 110: 0.293

Total layer sett@ 140: 0.254

Total layer sett@ 180: 0.226

Total layer sett@ 365: 0.214

Total layer sett@ 545: 0.212

Total layer sett@ 730: 0.212

Total layer sett@ 1095: 0.212

Total layer sett@ 1460: 0.212

Total layer sett@ 1825: 0.212

Total layer sett@ 3650: 0.212

Total layer sett@ 20: 0.212

Total layer sett@ 50: 0.212

Cv: 0.2 ft²/day

Hdr: 2 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138	0.137346	0.134905	0.111462	0.096279	0.089858	0.088554	0.088554
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079	0.168214	0.165224	0.136512	0.117917	0.110054	0.108456	0.108456
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855	0.194236	0.190784	0.157631	0.136159	0.127079	0.125234	0.125234
110	5.5	99.9999	0.42999956	0.434	0.297	0.293	0.262997	0.258323	0.213433	0.184361	0.172066	0.169568	0.169568
140	7	100	0.42999999	0.434	0.297	0.293	0.296701	0.291427	0.240785	0.207987	0.194116	0.191299	0.191299
180	9	100	0.43	0.434	0.297	0.293	0.336427	0.330447	0.273024	0.235835	0.220107	0.216912	0.216912
365	18.25	100	0.43	0.434	0.297	0.293	0.479072	0.470557	0.388787	0.335829	0.313433	0.308883	0.308883
545	27.25	100	0.43	0.434	0.297	0.293	0.5854	0.574995	0.475077	0.410365	0.382997	0.377439	0.377439
730	36.5	100	0.43	0.434	0.297	0.293	0.677511	0.665468	0.549828	0.474934	0.443261	0.436827	0.436827
1095	54.75	100	0.43	0.434	0.297	0.293	0.829778	0.815029	0.673399	0.581673	0.542881	0.535002	0.535002
1460	73	100	0.43	0.434	0.297	0.293	0.958145	0.941114	0.777574	0.671658	0.626865	0.617767	0.617767
1825	91.25	100	0.43	0.434	0.297	0.293	1.071238	1.052198	0.869354	0.750936	0.700857	0.690684	0.690684
3650	182.5	100	0.43	0.434	0.297	0.293	1.51496	1.488032	1.229453	1.061984	0.991161	0.976775	0.976775
7300	365	100	0.43	0.434	0.297	0.293	2.142477	2.104395	1.738708	1.501873	1.401713	1.381368	1.381368
18250	912.5	100	0.43	0.434	0.297	0.293	3.216333	3.159164	2.610187	2.254644	2.104282	2.07374	2.07374

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1			Layer 5		
Total layer sett@ 30 days:	0.43 in	(from SETANL)	Total layer sett@ 30 days:	7.642 in	(from SETANL)
Total layer sett@ 45:	0.434		Total layer sett@ 45:	7.757	
Total layer sett@ 60:	0.297		Total layer sett@ 60:	4.372	
Total layer sett@ 110:	0.293		Total layer sett@ 110:	4.291	
Total layer sett@ 140:	0.254		Total layer sett@ 140:	3.515	
Total layer sett@ 180:	0.226		Total layer sett@ 180:	3.019	
Total layer sett@ 365:	0.214		Total layer sett@ 365:	2.812	
Total layer sett@ 545:	0.212		Total layer sett@ 545:	2.77	
Total layer sett@ 730:	0.212		Total layer sett@ 730:	2.77	
Total layer sett@ 1095:	0.212		Total layer sett@ 1095:	2.77	
Total layer sett@ 1460:	0.212		Total layer sett@ 1460:	2.77	
Total layer sett@ 1825:	0.212		Total layer sett@ 1825:	2.77	
Total layer sett@ 3650:	0.212		Total layer sett@ 3650:	2.77	
Total layer sett@ 20:	0.212		Total layer sett@ 20:	2.77	
Total layer sett@ 50:	0.212		Total layer sett@ 50:	2.77	
Cv:	0.2 ft ² /day		Cv:	0.02 ft ² /day	
Hdr:	2 ft		Hdr:	55 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138	30	0.000198	1.589161	0.121444	0.123271	0.069478	0.068191
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079	45	0.000298	1.946317	0.148738	0.150976	0.085093	0.083516
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855	60	0.000397	2.247414	0.171747	0.174332	0.098257	0.096437
110	5.5	99.9999	0.42999956	0.434	0.297	0.293	110	0.000727	3.043012	0.232547	0.236046	0.13304	0.130576
140	7	100	0.42999999	0.434	0.297	0.293	140	0.000926	3.432981	0.262348	0.266296	0.15009	0.147309
180	9	100	0.43	0.434	0.297	0.293	180	0.00119	3.892634	0.297475	0.301952	0.170186	0.167033
365	18.25	100	0.43	0.434	0.297	0.293	365	0.002413	5.543114	0.423605	0.429979	0.242345	0.237855
545	27.25	100	0.43	0.434	0.297	0.293	545	0.003603	6.773383	0.517622	0.525411	0.296132	0.290646
730	36.5	100	0.43	0.434	0.297	0.293	730	0.004826	7.839147	0.599068	0.608083	0.342727	0.336378
1095	54.75	100	0.43	0.434	0.297	0.293	1095	0.00724	9.600955	0.733705	0.744746	0.419754	0.411977
1460	73	100	0.43	0.434	0.297	0.293	1460	0.009653	11.08623	0.84721	0.859959	0.48469	0.47571
1825	91.25	100	0.43	0.434	0.297	0.293	1825	0.012066	12.39478	0.947209	0.961463	0.5419	0.53186
3650	182.5	100	0.43	0.434	0.297	0.293	3650	0.024132	17.52887	1.339556	1.359714	0.766362	0.752164
7300	365	100	0.43	0.434	0.297	0.293	7300	0.048264	24.78956	1.894418	1.922926	1.0838	1.06372
18250	912.5	100	0.43	0.434	0.297	0.293	18250	0.120661	39.19573	2.995338	3.040413	1.713637	1.681889

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1
(from SETANL)

Total layer sett@ 30 days: 0.43 in
 Total layer sett@ 45: 0.434
 Total layer sett@ 60: 0.297
 Total layer sett@ 110: 0.293
 Total layer sett@ 140: 0.254
 Total layer sett@ 180: 0.226
 Total layer sett@ 365: 0.214
 Total layer sett@ 545: 0.212
 Total layer sett@ 730: 0.212
 Total layer sett@ 1095: 0.212
 Total layer sett@ 1460: 0.212
 Total layer sett@ 1825: 0.212
 Total layer sett@ 3650: 0.212
 Total layer sett@ 20: 0.212
 Total layer sett@ 50: 0.212
 Cv: 0.2 ft²/day
 Hdr: 2 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138	0.055859	0.047977	0.044687	0.04402	0.04402	0.04402	0.04402
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079	0.068413	0.058759	0.05473	0.053913	0.053913	0.053913	0.053913
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855	0.078997	0.067849	0.063197	0.062253	0.062253	0.062253	0.062253
110	5.5	99.9999	0.42999956	0.434	0.297	0.293	0.106962	0.091869	0.08557	0.084291	0.084291	0.084291	0.084291
140	7	100	0.42999999	0.434	0.297	0.293	0.120669	0.103642	0.096535	0.095094	0.095094	0.095094	0.095094
180	9	100	0.43	0.434	0.297	0.293	0.136826	0.117519	0.109461	0.107826	0.107826	0.107826	0.107826
365	18.25	100	0.43	0.434	0.297	0.293	0.19484	0.167347	0.155872	0.153544	0.153544	0.153544	0.153544
545	27.25	100	0.43	0.434	0.297	0.293	0.238084	0.204488	0.190468	0.187623	0.187623	0.187623	0.187623
730	36.5	100	0.43	0.434	0.297	0.293	0.275546	0.236664	0.220437	0.217144	0.217144	0.217144	0.217144
1095	54.75	100	0.43	0.434	0.297	0.293	0.337474	0.289853	0.269979	0.265946	0.265946	0.265946	0.265946
1460	73	100	0.43	0.434	0.297	0.293	0.389681	0.334693	0.311745	0.307089	0.307089	0.307089	0.307089
1825	91.25	100	0.43	0.434	0.297	0.293	0.435676	0.374198	0.348541	0.343335	0.343335	0.343335	0.343335
3650	182.5	100	0.43	0.434	0.297	0.293	0.61614	0.529196	0.492912	0.48555	0.48555	0.48555	0.48555
7300	365	100	0.43	0.434	0.297	0.293	0.871353	0.748397	0.697082	0.686671	0.686671	0.686671	0.686671
18250	912.5	100	0.43	0.434	0.297	0.293	1.37773	1.183319	1.102184	1.085722	1.085722	1.085722	1.085722

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1
(from SETANL)

Total layer sett@ 30 days: 0.43 in
 Total layer sett@ 45: 0.434
 Total layer sett@ 60: 0.297
 Total layer sett@ 110: 0.293
 Total layer sett@ 140: 0.254
 Total layer sett@ 180: 0.226
 Total layer sett@ 365: 0.214
 Total layer sett@ 545: 0.212
 Total layer sett@ 730: 0.212
 Total layer sett@ 1095: 0.212
 Total layer sett@ 1460: 0.212
 Total layer sett@ 1825: 0.212
 Total layer sett@ 3650: 0.212
 Total layer sett@ 20: 0.212
 Total layer sett@ 50: 0.212
 Cv: 0.2 ft²/day
 Hdr: 2 ft

Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv
0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138	0.04402	0.04402	0.04402	0.04402	30	#DIV/0!
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079	0.053913	0.053913	0.053913	0.053913	45	#DIV/0!
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855	0.062253	0.062253	0.062253	0.062253	60	#DIV/0!
110	5.5	99.9999	0.42999956	0.434	0.297	0.293	0.084291	0.084291	0.084291	0.084291	110	#DIV/0!
140	7	100	0.42999999	0.434	0.297	0.293	0.095094	0.095094	0.095094	0.095094	140	#DIV/0!
180	9	100	0.43	0.434	0.297	0.293	0.107826	0.107826	0.107826	0.107826	180	#DIV/0!
365	18.25	100	0.43	0.434	0.297	0.293	0.153544	0.153544	0.153544	0.153544	365	#DIV/0!
545	27.25	100	0.43	0.434	0.297	0.293	0.187623	0.187623	0.187623	0.187623	545	#DIV/0!
730	36.5	100	0.43	0.434	0.297	0.293	0.217144	0.217144	0.217144	0.217144	730	#DIV/0!
1095	54.75	100	0.43	0.434	0.297	0.293	0.265946	0.265946	0.265946	0.265946	1095	#DIV/0!
1460	73	100	0.43	0.434	0.297	0.293	0.307089	0.307089	0.307089	0.307089	1460	#DIV/0!
1825	91.25	100	0.43	0.434	0.297	0.293	0.343335	0.343335	0.343335	0.343335	1825	#DIV/0!
3650	182.5	100	0.43	0.434	0.297	0.293	0.48555	0.48555	0.48555	0.48555	3650	#DIV/0!
7300	365	100	0.43	0.434	0.297	0.293	0.686671	0.686671	0.686671	0.686671	7300	#DIV/0!
18250	912.5	100	0.43	0.434	0.297	0.293	1.085722	1.085722	1.085722	1.085722	18250	#DIV/0!

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1		Layer 6
Total layer sett@ 30 days:	0.43 in	(from SETANL)	in (from SETANL)
Total layer sett@ 45:	0.434		
Total layer sett@ 60:	0.297		
Total layer sett@ 110:	0.293		
Total layer sett@ 140:	0.254		
Total layer sett@ 180:	0.226		
Total layer sett@ 365:	0.214		
Total layer sett@ 545:	0.212		
Total layer sett@ 730:	0.212		
Total layer sett@ 1095:	0.212		
Total layer sett@ 1460:	0.212		
Total layer sett@ 1825:	0.212		
Total layer sett@ 3650:	0.212		
Total layer sett@ 20:	0.212		
Total layer sett@ 50:	0.212		
Cv:	0.2 ft ² /day		ft ² /day
Hdr:	2 ft		ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138	#DIV/0!						
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079	#DIV/0!						
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855	#DIV/0!						
110	5.5	99.9999	0.42999956	0.434	0.297	0.293	#DIV/0!						
140	7	100	0.42999999	0.434	0.297	0.293	#DIV/0!						
180	9	100	0.43	0.434	0.297	0.293	#DIV/0!						
365	18.25	100	0.43	0.434	0.297	0.293	#DIV/0!						
545	27.25	100	0.43	0.434	0.297	0.293	#DIV/0!						
730	36.5	100	0.43	0.434	0.297	0.293	#DIV/0!						
1095	54.75	100	0.43	0.434	0.297	0.293	#DIV/0!						
1460	73	100	0.43	0.434	0.297	0.293	#DIV/0!						
1825	91.25	100	0.43	0.434	0.297	0.293	#DIV/0!						
3650	182.5	100	0.43	0.434	0.297	0.293	#DIV/0!						
7300	365	100	0.43	0.434	0.297	0.293	#DIV/0!						
18250	912.5	100	0.43	0.434	0.297	0.293	#DIV/0!						

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1

Total layer sett@ 30 days: 0.43 in (from SETANL)
 Total layer sett@ 45: 0.434
 Total layer sett@ 60: 0.297
 Total layer sett@ 110: 0.293
 Total layer sett@ 140: 0.254
 Total layer sett@ 180: 0.226
 Total layer sett@ 365: 0.214
 Total layer sett@ 545: 0.212
 Total layer sett@ 730: 0.212
 Total layer sett@ 1095: 0.212
 Total layer sett@ 1460: 0.212
 Total layer sett@ 1825: 0.212
 Total layer sett@ 3650: 0.212
 Total layer sett@ 20: 0.212
 Total layer sett@ 50: 0.212
 Cv: 0.2 ft²/day
 Hdr: 2 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460	Sett@5yr	Sett@10yr
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138							
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079							
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855							
110	5.5	99.9999	0.42999956	0.434	0.297	0.293							
140	7	100	0.42999999	0.434	0.297	0.293							
180	9	100	0.43	0.434	0.297	0.293							
365	18.25	100	0.43	0.434	0.297	0.293							
545	27.25	100	0.43	0.434	0.297	0.293							
730	36.5	100	0.43	0.434	0.297	0.293							
1095	54.75	100	0.43	0.434	0.297	0.293							
1460	73	100	0.43	0.434	0.297	0.293							
1825	91.25	100	0.43	0.434	0.297	0.293							
3650	182.5	100	0.43	0.434	0.297	0.293							
7300	365	100	0.43	0.434	0.297	0.293							
18250	912.5	100	0.43	0.434	0.297	0.293							

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1
(from SETANL)

Total layer sett@ 30 days: 0.43 in
 Total layer sett@ 45: 0.434
 Total layer sett@ 60: 0.297
 Total layer sett@ 110: 0.293
 Total layer sett@ 140: 0.254
 Total layer sett@ 180: 0.226
 Total layer sett@ 365: 0.214
 Total layer sett@ 545: 0.212
 Total layer sett@ 730: 0.212
 Total layer sett@ 1095: 0.212
 Total layer sett@ 1460: 0.212
 Total layer sett@ 1825: 0.212
 Total layer sett@ 3650: 0.212
 Total layer sett@ 20: 0.212
 Total layer sett@ 50: 0.212
 Cv: 0.2 ft²/day
 Hdr: 2 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@20yr	Sett@50yr	
0	0	0	0	0	0	0	0	0	
30	1.5	97.99931	0.42139705	0.425317	0.291058	0.287138			1.43038
45	2.25	99.68572	0.42864858	0.432636	0.296067	0.292079			
60	3	99.95063	0.42978771	0.433786	0.296853	0.292855			
110	5.5	99.9999	0.42999956	0.434	0.297	0.293			
140	7	100	0.42999999	0.434	0.297	0.293			
180	9	100	0.43	0.434	0.297	0.293			
365	18.25	100	0.43	0.434	0.297	0.293			
545	27.25	100	0.43	0.434	0.297	0.293			
730	36.5	100	0.43	0.434	0.297	0.293			
1095	54.75	100	0.43	0.434	0.297	0.293			
1460	73	100	0.43	0.434	0.297	0.293			
1825	91.25	100	0.43	0.434	0.297	0.293			
3650	182.5	100	0.43	0.434	0.297	0.293			
7300	365	100	0.43	0.434	0.297	0.293			
18250	912.5	100	0.43	0.434	0.297	0.293			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.430380485	0.119198374	1.447723235	0.120643603	0.903927994	0.075327333	0.88956349	0.074130291
45	0.123287671	1.664395873	0.138699656	1.68482278	0.140401898	1.04667601	0.087223001	1.029896694	0.085824724
60	0.164383562	1.856705769	0.154725481	1.879686468	0.156640539	1.163582484	0.096965207	1.144813659	0.095401138
110	0.301369863	2.356132269	0.196344356	2.385752942	0.198812745	1.46680561	0.122233801	1.442867346	0.120238946
140	0.383561644	2.596698153	0.216391513	2.629515357	0.21912628	1.61274713	0.134395594	1.586318845	0.132193237
180	0.493150685	2.875668361	0.23963903	2.912189861	0.242682488	1.781865234	0.148488769	1.752549551	0.146045796
365	1	3.787016425	0.315584702	3.835657723	0.319638144	2.33281063	0.194400886	2.294056251	0.191171354
545	1.493150685	4.355937246	0.36299477	4.412198884	0.36768324	2.675070227	0.222922519	2.630411717	0.219200976
730	2	4.767827941	0.397318995	4.829667684	0.402472307	2.921570129	0.243464177	2.872624979	0.239385415
1095	3	5.317790555	0.443149213	5.387202628	0.448933552	3.248281953	0.270690163	3.193588957	0.266132413
1460	4	5.702001895	0.475166825	5.776798431	0.481399869	3.474722893	0.289560241	3.415996035	0.284666336
1825	5	6.011458315	0.50095486	6.090633363	0.50755278	3.656310653	0.304692554	3.594326689	0.299527224
3650	10	7.16322646	0.596935538	7.258795884	0.604899657	4.330295223	0.360857935	4.256169582	0.354680798
7300	20	8.778814371	0.731567864	8.897402174	0.741450181	5.275276398	0.439606367	5.184115333	0.432009611
18250	50	11.69485645	0.974571371	11.85511244	0.987926036	6.978970146	0.581580845	6.857052796	0.571421066

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days		Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	1.430380485	0.119198374	1.447723235	0.750291049	0.062524254	0.656538979	0.054711582	
45	0.123287671	1.664395873	0.138699656	1.68482278	0.867255478	0.07227129	0.758127874	0.063177323	
60	0.164383562	1.856705769	0.154725481	1.879686468	0.962922803	0.080243567	0.841156926	0.070096411	
110	0.301369863	2.356132269	0.196344356	2.385752942	1.21096058	0.100913382	1.056371726	0.088030977	
140	0.383561644	2.596698153	0.216391513	2.629515357	1.330320047	0.110860004	1.159920913	0.096660076	
180	0.493150685	2.875668361	0.23963903	2.912189861	1.468613538	0.122384461	1.279880249	0.106656687	
365	1	3.787016425	0.315584702	3.835657723	1.918823151	0.159901929	1.670213526	0.13918446	
545	1.493150685	4.355937246	0.36299477	4.412198884	2.198122644	0.183176887	1.91216579	0.159347149	
730	2	4.767827941	0.397318995	4.829667684	2.398963829	0.199913652	2.085998686	0.173833224	
1095	3	5.317790555	0.443149213	5.387202628	2.664558286	0.222046524	2.315591884	0.19296599	
1460	4	5.702001895	0.475166825	5.776798431	2.848185992	0.237348833	2.474114362	0.206176197	
1825	5	6.011458315	0.50095486	6.090633363	2.995239414	0.249603284	2.600967405	0.216747284	
3650	10	7.16322646	0.596935538	7.258795884	3.540570172	0.295047514	3.071161681	0.25593014	
7300	20	8.778814371	0.731567864	8.897402174	4.305061408	0.358755117	3.730269426	0.310855786	
18250	50	11.69485645	0.974571371	11.85511244	5.682916741	0.473576395	4.917962919	0.409830243	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	1.430380485	0.119198374	1.447723235	0.61680298	0.051400248	0.60910634	0.050758862	0.60910634		0.60910634	
45	0.123287671	1.664395873	0.138699656	1.68482278	0.711902025	0.059325169	0.702882374	0.058573531	0.702882374		0.702882374	
60	0.164383562	1.856705769	0.154725481	1.879686468	0.789598696	0.065799891	0.77948683	0.064957236	0.77948683		0.77948683	
110	0.301369863	2.356132269	0.196344356	2.385752942	0.990965592	0.082580466	0.978021731	0.081501811	0.978021731		0.978021731	
140	0.383561644	2.596698153	0.216391513	2.629515357	1.08784429	0.090653691	1.073541357	0.08946178	1.073541357		1.073541357	
180	0.493150685	2.875668361	0.23963903	2.912189861	1.200068036	0.10000567	1.184194889	0.098682907	1.184194889		1.184194889	
365	1	3.787016425	0.315584702	3.835657723	1.565138647	0.130428221	1.544174781	0.128681232	1.544174781		1.544174781	
545	1.493150685	4.355937246	0.36299477	4.412198884	1.791336679	0.149278057	1.767213916	0.147267826	1.767213916		1.767213916	
730	2	4.767827941	0.397318995	4.829667684	1.953780438	0.162815037	1.927372251	0.160614354	1.927372251		1.927372251	
1095	3	5.317790555	0.443149213	5.387202628	2.168200127	0.180683344	2.138736549	0.178228046	2.138736549		2.138736549	
1460	4	5.702001895	0.475166825	5.776798431	2.316147464	0.193012289	2.284545409	0.190378784	2.284545409		2.284545409	
1825	5	6.011458315	0.50095486	6.090633363	2.434494108	0.202874509	2.401167838	0.20009732	2.401167838		2.401167838	
3650	10	7.16322646	0.596935538	7.258795884	2.873054591	0.239421216	2.833306673	0.236108889	2.833306673		2.833306673	
7300	20	8.778814371	0.731567864	8.897402174	3.487795419	0.290649618	3.439038881	0.286586573	3.439038881		3.439038881	
18250	50	11.69485645	0.974571371	11.85511244	4.59546596	0.382955497	4.530461513	0.377538459	4.530461513		4.530461513	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.430380485	0.119198374	1.447723235	0.050758862	0.60910634	0.050758862	0.60910634	0.050758862
45	0.123287671	1.664395873	0.138699656	1.68482278	0.058573531	0.702882374	0.058573531	0.702882374	0.058573531
60	0.164383562	1.856705769	0.154725481	1.879686468	0.064957236	0.77948683	0.064957236	0.77948683	0.064957236
110	0.301369863	2.356132269	0.196344356	2.385752942	0.081501811	0.978021731	0.081501811	0.978021731	0.081501811
140	0.383561644	2.596698153	0.216391513	2.629515357	0.08946178	1.073541357	0.08946178	1.073541357	0.08946178
180	0.493150685	2.875668361	0.23963903	2.912189861	0.098682907	1.184194889	0.098682907	1.184194889	0.098682907
365	1	3.787016425	0.315584702	3.835657723	0.128681232	1.544174781	0.128681232	1.544174781	0.128681232
545	1.493150685	4.355937246	0.36299477	4.412198884	0.147267826	1.767213916	0.147267826	1.767213916	0.147267826
730	2	4.767827941	0.397318995	4.829667684	0.160614354	1.927372251	0.160614354	1.927372251	0.160614354
1095	3	5.317790555	0.443149213	5.387202628	0.178228046	2.138736549	0.178228046	2.138736549	0.178228046
1460	4	5.702001895	0.475166825	5.776798431	0.190378784	2.284545409	0.190378784	2.284545409	0.190378784
1825	5	6.011458315	0.50095486	6.090633363	0.20009732	2.401167838	0.20009732	2.401167838	0.20009732
3650	10	7.16322646	0.596935538	7.258795884	0.236108889	2.833306673	0.236108889	2.833306673	0.236108889
7300	20	8.778814371	0.731567864	8.897402174	0.286586573	3.439038881	0.286586573	3.439038881	0.286586573
18250	50	11.69485645	0.974571371	11.85511244	0.377538459	4.530461513	0.377538459	4.530461513	0.377538459

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days		Settlement 5 years		Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	1.430380485	0.119198374	1.447723235	0.60910634	0.050758862	0.60910634	0.050758862	
45	0.123287671	1.664395873	0.138699656	1.68482278	0.702882374	0.058573531	0.702882374	0.058573531	
60	0.164383562	1.856705769	0.154725481	1.879686468	0.77948683	0.064957236	0.77948683	0.064957236	
110	0.301369863	2.356132269	0.196344356	2.385752942	0.978021731	0.081501811	0.978021731	0.081501811	
140	0.383561644	2.596698153	0.216391513	2.629515357	1.073541357	0.08946178	1.073541357	0.08946178	
180	0.493150685	2.875668361	0.23963903	2.912189861	1.184194889	0.098682907	1.184194889	0.098682907	
365	1	3.787016425	0.315584702	3.835657723	1.544174781	0.128681232	1.544174781	0.128681232	
545	1.493150685	4.355937246	0.36299477	4.412198884	1.767213916	0.147267826	1.767213916	0.147267826	
730	2	4.767827941	0.397318995	4.829667684	1.927372251	0.160614354	1.927372251	0.160614354	
1095	3	5.317790555	0.443149213	5.387202628	2.138736549	0.178228046	2.138736549	0.178228046	
1460	4	5.702001895	0.475166825	5.776798431	2.284545409	0.190378784	2.284545409	0.190378784	
1825	5	6.011458315	0.50095486	6.090633363	2.401167838	0.20009732	2.401167838	0.20009732	
3650	10	7.16322646	0.596935538	7.258795884	2.833306673	0.236108889	2.833306673	0.236108889	
7300	20	8.778814371	0.731567864	8.897402174	3.439038881	0.286586573	3.439038881	0.286586573	
18250	50	11.69485645	0.974571371	11.85511244	4.530461513	0.377538459	4.530461513	0.377538459	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days			Settlement 50 years		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	1.430380485	0.119198374	1.447723235	0.60910634	0.050758862	0.60910634	0.050758862	
45	0.123287671	1.664395873	0.138699656	1.68482278	0.702882374	0.058573531	0.702882374	0.058573531	
60	0.164383562	1.856705769	0.154725481	1.879686468	0.77948683	0.064957236	0.77948683	0.064957236	
110	0.301369863	2.356132269	0.196344356	2.385752942	0.978021731	0.081501811	0.978021731	0.081501811	
140	0.383561644	2.596698153	0.216391513	2.629515357	1.073541357	0.08946178	1.073541357	0.08946178	
180	0.493150685	2.875668361	0.23963903	2.912189861	1.184194889	0.098682907	1.184194889	0.098682907	
365	1	3.787016425	0.315584702	3.835657723	1.544174781	0.128681232	1.544174781	0.128681232	
545	1.493150685	4.355937246	0.36299477	4.412198884	1.767213916	0.147267826	1.767213916	0.147267826	
730	2	4.767827941	0.397318995	4.829667684	1.927372251	0.160614354	1.927372251	0.160614354	
1095	3	5.317790555	0.443149213	5.387202628	2.138736549	0.178228046	2.138736549	0.178228046	
1460	4	5.702001895	0.475166825	5.776798431	2.284545409	0.190378784	2.284545409	0.190378784	
1825	5	6.011458315	0.50095486	6.090633363	2.401167838	0.20009732	2.401167838	0.20009732	
3650	10	7.16322646	0.596935538	7.258795884	2.833306673	0.236108889	2.833306673	0.236108889	
7300	20	8.778814371	0.731567864	8.897402174	3.439038881	0.286586573	3.439038881	0.286586573	
18250	50	11.69485645	0.974571371	11.85511244	4.530461513	0.377538459	4.530461513	0.377538459	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft												
Layer 1												
(from SETANL)												
Total layer sett@ 30 days:			0.301 in			Total layer sett@ 30 days:				0.186		
Total layer sett@ 45:			0.303			Total layer sett@ 45:				0.187		
Total layer sett@ 60:			0.178			Total layer sett@ 60:				0.1		
Total layer sett@ 110:			0.178			Total layer sett@ 110:				0.1		
Total layer sett@ 140:			0.159			Total layer sett@ 140:				0.088		
Total layer sett@ 180:			0.159			Total layer sett@ 180:				0.088		
Total layer sett@ 365:			0.159			Total layer sett@ 365:				0.088		
Total layer sett@ 545:			0.159			Total layer sett@ 545:				0.088		
Total layer sett@ 730:			0.159			Total layer sett@ 730:				0.088		
Total layer sett@ 1095:			0.159			Total layer sett@ 1095:				0.088		
Total layer sett@ 1460:			0.159			Total layer sett@ 1460:				0.088		
Total layer sett@ 1825:			0.159			Total layer sett@ 1825:				0.088		
Total layer sett@ 3650:			0.159			Total layer sett@ 3650:				0.088		
Total layer sett@ 20:			0.159			Total layer sett@ 20:				0.088		
Total layer sett@ 50:			0.159			Total layer sett@ 50:				0.088		
Cv:			0.2 ft ² /day			Cv:				0.03		
Hdr:			2 ft			Hdr:				2.77		
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U
0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.29497793	0.296938	0.174439	0.15581891	0.155819	0.155819	0.155819	30	0.117296	38.6452877
45	2.25	99.68572	0.30005401	0.302048	0.177441	0.15850029	0.1585	0.1585	0.1585	45	0.175944	47.3306179
60	3	99.95063	0.3008514	0.30285	0.177912	0.1589215	0.158922	0.158922	0.158922	60	0.234592	54.65269
110	5.5	99.9999	0.30099969	0.303	0.178	0.15899984	0.159	0.159	0.159	110	0.430085	71.9504478
140	7	100	0.30099999	0.303	0.178	0.159	0.159	0.159	0.159	140	0.547381	79.0006035
180	9	100	0.301	0.303	0.178	0.159	0.159	0.159	0.159	180	0.703776	85.7248289
365	18.25	100	0.301	0.303	0.178	0.159	0.159	0.159	0.159	365	1.427101	97.6049564
545	27.25	100	0.301	0.303	0.178	0.159	0.159	0.159	0.159	545	2.130876	99.5783047
730	36.5	100	0.301	0.303	0.178	0.159	0.159	0.159	0.159	730	2.854201	99.9292493
1095	54.75	100	0.301	0.303	0.178	0.159	0.159	0.159	0.159	1095	4.281302	99.99791
1460	73	100	0.301	0.303	0.178	0.159	0.159	0.159	0.159	1460	5.708402	99.9999383
1825	91.25	100	0.301	0.303	0.178	0.159	0.159	0.159	0.159	1825	7.135503	99.9999982
3650	182.5	100	0.301	0.303	0.178	0.159	0.159	0.159	0.159	3650	14.27101	100
7300	365	100	0.301	0.303	0.178	0.159	0.159	0.159	0.159	7300	28.54201	100
18250	912.5	100	0.301	0.303	0.178	0.159	0.159	0.159	0.159	18250	71.35503	100

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

		Layer 1				Layer 2								
Total layer sett@ 30 days:		0.301 in	(from SETANL)		in	(from SETANL)								
Total layer sett@ 45:		0.303												
Total layer sett@ 60:		0.178												
Total layer sett@ 110:		0.178												
Total layer sett@ 140:		0.159												
Total layer sett@ 180:		0.159												
Total layer sett@ 365:		0.159												
Total layer sett@ 545:		0.159												
Total layer sett@ 730:		0.159												
Total layer sett@ 1095:		0.159												
Total layer sett@ 1460:		0.159												
Total layer sett@ 1825:		0.159												
Total layer sett@ 3650:		0.159												
Total layer sett@ 20:		0.159												
Total layer sett@ 50:		0.159												
Cv:		0.2 ft ² /day	ft ² /day											
Hdr:		2 ft	ft											
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	1.5	97.99931	0.29497793	0.296938	0.174439	0.07188	0.072267	0.038645	0.038645	0.034008	0.034008	0.034008	0.034008	
45	2.25	99.68572	0.30005401	0.302048	0.177441	0.088035	0.088508	0.047331	0.047331	0.041651	0.041651	0.041651	0.041651	
60	3	99.95063	0.3008514	0.30285	0.177912	0.101654	0.102201	0.054653	0.054653	0.048094	0.048094	0.048094	0.048094	
110	5.5	99.9999	0.30099969	0.303	0.178	0.133828	0.134547	0.07195	0.07195	0.063316	0.063316	0.063316	0.063316	
140	7	100	0.30099999	0.303	0.178	0.146941	0.147731	0.079001	0.079001	0.069521	0.069521	0.069521	0.069521	
180	9	100	0.301	0.303	0.178	0.159448	0.160305	0.085725	0.085725	0.075438	0.075438	0.075438	0.075438	
365	18.25	100	0.301	0.303	0.178	0.181545	0.182521	0.097605	0.097605	0.085892	0.085892	0.085892	0.085892	
545	27.25	100	0.301	0.303	0.178	0.185216	0.186211	0.099578	0.099578	0.087629	0.087629	0.087629	0.087629	
730	36.5	100	0.301	0.303	0.178	0.185868	0.186868	0.099929	0.099929	0.087938	0.087938	0.087938	0.087938	
1095	54.75	100	0.301	0.303	0.178	0.185996	0.186996	0.099998	0.099998	0.087998	0.087998	0.087998	0.087998	
1460	73	100	0.301	0.303	0.178	0.186	0.187	0.1	0.1	0.088	0.088	0.088	0.088	
1825	91.25	100	0.301	0.303	0.178	0.186	0.187	0.1	0.1	0.088	0.088	0.088	0.088	
3650	182.5	100	0.301	0.303	0.178	0.186	0.187	0.1	0.1	0.088	0.088	0.088	0.088	
7300	365	100	0.301	0.303	0.178	0.186	0.187	0.1	0.1	0.088	0.088	0.088	0.088	
18250	912.5	100	0.301	0.303	0.178	0.186	0.187	0.1	0.1	0.088	0.088	0.088	0.088	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

		Layer 1			
Total layer sett@ 30 days:	0.301 in	(from SETANL)	al layer sett@ 30 days:	1.595 in	
Total layer sett@ 45:	0.303		Total layer sett@ 45:	1.608	
Total layer sett@ 60:	0.178		Total layer sett@ 60:	0.846	
Total layer sett@ 110:	0.178		Total layer sett@ 110:	0.846	
Total layer sett@ 140:	0.159		Total layer sett@ 140:	0.74	
Total layer sett@ 180:	0.159		Total layer sett@ 180:	0.74	
Total layer sett@ 365:	0.159		Total layer sett@ 365:	0.74	
Total layer sett@ 545:	0.159		Total layer sett@ 545:	0.74	
Total layer sett@ 730:	0.159		Total layer sett@ 730:	0.74	
Total layer sett@ 1095:	0.159		otal layer sett@ 1095:	0.74	
Total layer sett@ 1460:	0.159		otal layer sett@ 1460:	0.74	
Total layer sett@ 1825:	0.159		otal layer sett@ 1825:	0.74	
Total layer sett@ 3650:	0.159		otal layer sett@ 3650:	0.74	
Total layer sett@ 20:	0.159		Total layer sett@ 20:	0.74	
Total layer sett@ 50:	0.159		Total layer sett@ 50:	0.74	
Cv:	0.2 ft ² /day		Cv:	0.024 ft ² /day	
Hdr:	2 ft		Hdr:	4.48 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.29497793	0.296938	0.174439	30	0.035874	21.37191	0.340882	0.34366	0.180806	0.180806	0.158152
45	2.25	99.68572	0.30005401	0.302048	0.177441	45	0.053811	26.17513	0.417493	0.420896	0.221442	0.221442	0.193696
60	3	99.95063	0.3008514	0.30285	0.177912	60	0.071747	30.22444	0.48208	0.486009	0.255699	0.255699	0.223661
110	5.5	99.9999	0.30099969	0.303	0.178	110	0.131537	40.92409	0.652739	0.658059	0.346218	0.346218	0.302838
140	7	100	0.30099999	0.303	0.178	140	0.167411	46.1686	0.736389	0.742391	0.390586	0.390586	0.341648
180	9	100	0.301	0.303	0.178	180	0.215242	52.35027	0.834987	0.841792	0.442883	0.442883	0.387392
365	18.25	100	0.301	0.303	0.178	365	0.436464	72.38854	1.154597	1.164008	0.612407	0.612407	0.535675
545	27.25	100	0.301	0.303	0.178	545	0.651706	83.76732	1.336089	1.346979	0.708672	0.708672	0.619878
730	36.5	100	0.301	0.303	0.178	730	0.872927	90.59665	1.445017	1.456794	0.766448	0.766448	0.670415
1095	54.75	100	0.301	0.303	0.178	1095	1.309391	96.7976	1.543922	1.556505	0.818908	0.818908	0.716302
1460	73	100	0.301	0.303	0.178	1460	1.745855	98.90939	1.577605	1.590463	0.836773	0.836773	0.731929
1825	91.25	100	0.301	0.303	0.178	1825	2.182318	99.62858	1.589076	1.602028	0.842858	0.842858	0.737252
3650	182.5	100	0.301	0.303	0.178	3650	4.364636	99.9983	1.594973	1.607973	0.845986	0.845986	0.739987
7300	365	100	0.301	0.303	0.178	7300	8.729273	100	1.595	1.608	0.846	0.846	0.74
18250	912.5	100	0.301	0.303	0.178	18250	21.82318	100	1.595	1.608	0.846	0.846	0.74

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

Layer 1			Layer 4		
Total layer sett@ 30 days:	0.301 in	(from SETANL)	Total layer sett@ 30 days:	4.179 in	
Total layer sett@ 45:	0.303		Total layer sett@ 45:	4.215	
Total layer sett@ 60:	0.178		Total layer sett@ 60:	2.142	
Total layer sett@ 110:	0.178		Total layer sett@ 110:	2.142	
Total layer sett@ 140:	0.159		Total layer sett@ 140:	1.864	
Total layer sett@ 180:	0.159		Total layer sett@ 180:	1.864	
Total layer sett@ 365:	0.159		Total layer sett@ 365:	1.864	
Total layer sett@ 545:	0.159		Total layer sett@ 545:	1.864	
Total layer sett@ 730:	0.159		Total layer sett@ 730:	1.864	
Total layer sett@ 1095:	0.159		Total layer sett@ 1095:	1.864	
Total layer sett@ 1460:	0.159		Total layer sett@ 1460:	1.864	
Total layer sett@ 1825:	0.159		Total layer sett@ 1825:	1.864	
Total layer sett@ 3650:	0.159		Total layer sett@ 3650:	1.864	
Total layer sett@ 20:	0.159		Total layer sett@ 20:	1.864	
Total layer sett@ 50:	0.159		Total layer sett@ 50:	1.864	
Cv:	0.2 ft ² /day		Cv:	0.03 ft ² /day	
Hdr:	2 ft		Hdr:	32.01 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.29497793	0.296938	0.174439	0.158152	0.158152	30	0.000878	3.344188	0.139754
45	2.25	99.68572	0.30005401	0.302048	0.177441	0.193696	0.193696	45	0.001318	4.095777	0.171163
60	3	99.95063	0.3008514	0.30285	0.177912	0.223661	0.223661	60	0.001757	4.729396	0.197641
110	5.5	99.9999	0.30099969	0.303	0.178	0.302838	0.302838	110	0.003221	6.403632	0.267608
140	7	100	0.30099999	0.303	0.178	0.341648	0.341648	140	0.004099	7.224271	0.301902
180	9	100	0.301	0.303	0.178	0.387392	0.387392	180	0.00527	8.191553	0.342325
365	18.25	100	0.301	0.303	0.178	0.535675	0.535675	365	0.010687	11.66478	0.487471
545	27.25	100	0.301	0.303	0.178	0.619878	0.619878	545	0.015957	14.25372	0.595663
730	36.5	100	0.301	0.303	0.178	0.670415	0.670415	730	0.021373	16.49649	0.689388
1095	54.75	100	0.301	0.303	0.178	0.716302	0.716302	1095	0.03206	20.20399	0.844325
1460	73	100	0.301	0.303	0.178	0.731929	0.731929	1460	0.042747	23.32955	0.974942
1825	91.25	100	0.301	0.303	0.178	0.737252	0.737252	1825	0.053433	26.08323	1.090018
3650	182.5	100	0.301	0.303	0.178	0.739987	0.739987	3650	0.106867	36.88726	1.541519
7300	365	100	0.301	0.303	0.178	0.74	0.74	7300	0.213734	52.16647	2.180037
18250	912.5	100	0.301	0.303	0.178	0.74	0.74	18250	0.534334	78.31343	3.272718

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

Layer 1

Total layer sett@ 30 days: 0.301 in (from SETANL) (from SETANL)
 Total layer sett@ 45: 0.303
 Total layer sett@ 60: 0.178
 Total layer sett@ 110: 0.178
 Total layer sett@ 140: 0.159
 Total layer sett@ 180: 0.159
 Total layer sett@ 365: 0.159
 Total layer sett@ 545: 0.159
 Total layer sett@ 730: 0.159
 Total layer sett@ 1095: 0.159
 Total layer sett@ 1460: 0.159
 Total layer sett@ 1825: 0.159
 Total layer sett@ 3650: 0.159
 Total layer sett@ 20: 0.159
 Total layer sett@ 50: 0.159
 Cv: 0.2 ft²/day
 Hdr: 2 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.29497793	0.296938	0.174439	0.140958	0.071632	0.071632	0.062336	0.062336	0.062336	0.062336	0.062336
45	2.25	99.68572	0.30005401	0.302048	0.177441	0.172637	0.087732	0.087732	0.076345	0.076345	0.076345	0.076345	0.076345
60	3	99.95063	0.3008514	0.30285	0.177912	0.199344	0.101304	0.101304	0.088156	0.088156	0.088156	0.088156	0.088156
110	5.5	99.9999	0.30099969	0.303	0.178	0.269913	0.137166	0.137166	0.119364	0.119364	0.119364	0.119364	0.119364
140	7	100	0.30099999	0.303	0.178	0.304503	0.154744	0.154744	0.13466	0.13466	0.13466	0.13466	0.13466
180	9	100	0.301	0.303	0.178	0.345274	0.175463	0.175463	0.152691	0.152691	0.152691	0.152691	0.152691
365	18.25	100	0.301	0.303	0.178	0.49167	0.24986	0.24986	0.217431	0.217431	0.217431	0.217431	0.217431
545	27.25	100	0.301	0.303	0.178	0.600794	0.305315	0.305315	0.265689	0.265689	0.265689	0.265689	0.265689
730	36.5	100	0.301	0.303	0.178	0.695327	0.353355	0.353355	0.307494	0.307494	0.307494	0.307494	0.307494
1095	54.75	100	0.301	0.303	0.178	0.851598	0.432769	0.432769	0.376602	0.376602	0.376602	0.376602	0.376602
1460	73	100	0.301	0.303	0.178	0.983341	0.499719	0.499719	0.434863	0.434863	0.434863	0.434863	0.434863
1825	91.25	100	0.301	0.303	0.178	1.099408	0.558703	0.558703	0.486191	0.486191	0.486191	0.486191	0.486191
3650	182.5	100	0.301	0.303	0.178	1.554798	0.790125	0.790125	0.687579	0.687579	0.687579	0.687579	0.687579
7300	365	100	0.301	0.303	0.178	2.198817	1.117406	1.117406	0.972383	0.972383	0.972383	0.972383	0.972383
18250	912.5	100	0.301	0.303	0.178	3.300911	1.677474	1.677474	1.459762	1.459762	1.459762	1.459762	1.459762

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

	Layer 1			Layer 5		
Total layer sett@ 30 days:	0.301 in	(from SETANL)	@ 30 days:	4.453 in	(from SETANL)	
Total layer sett@ 45:	0.303		r sett@ 45:	4.493		
Total layer sett@ 60:	0.178		r sett@ 60:	2.226		
Total layer sett@ 110:	0.178		sett@ 110:	2.226		
Total layer sett@ 140:	0.159		sett@ 140:	1.932		
Total layer sett@ 180:	0.159		sett@ 180:	1.932		
Total layer sett@ 365:	0.159		sett@ 365:	1.932		
Total layer sett@ 545:	0.159		sett@ 545:	1.932		
Total layer sett@ 730:	0.159		sett@ 730:	1.932		
Total layer sett@ 1095:	0.159		ett@ 1095:	1.932		
Total layer sett@ 1460:	0.159		ett@ 1460:	1.932		
Total layer sett@ 1825:	0.159		ett@ 1825:	1.932		
Total layer sett@ 3650:	0.159		ett@ 3650:	1.932		
Total layer sett@ 20:	0.159		r sett@ 20:	1.932		
Total layer sett@ 50:	0.159		r sett@ 50:	1.932		
Cv:	0.2 ft ² /day		Cv:	0.02 ft ² /day		
Hdr:	2 ft		Hdr:	55 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.29497793	0.296938	0.174439	0.000198	1.589161	0.070765	0.071401	0.035375	0.035375	0.030703	0.030703
45	2.25	99.68572	0.30005401	0.302048	0.177441	0.000298	1.946317	0.08667	0.087448	0.043325	0.043325	0.037603	0.037603
60	3	99.95063	0.3008514	0.30285	0.177912	0.000397	2.247414	0.100077	0.100976	0.050027	0.050027	0.04342	0.04342
110	5.5	99.9999	0.30099969	0.303	0.178	0.000727	3.043012	0.135505	0.136723	0.067737	0.067737	0.058791	0.058791
140	7	100	0.30099999	0.303	0.178	0.000926	3.432981	0.152871	0.154244	0.076418	0.076418	0.066325	0.066325
180	9	100	0.301	0.303	0.178	0.00119	3.892634	0.173339	0.174896	0.08665	0.08665	0.075206	0.075206
365	18.25	100	0.301	0.303	0.178	0.002413	5.543114	0.246835	0.249052	0.12339	0.12339	0.107093	0.107093
545	27.25	100	0.301	0.303	0.178	0.003603	6.773383	0.301619	0.304328	0.150776	0.150776	0.130862	0.130862
730	36.5	100	0.301	0.303	0.178	0.004826	7.839147	0.349077	0.352213	0.174499	0.174499	0.151452	0.151452
1095	54.75	100	0.301	0.303	0.178	0.00724	9.600955	0.427531	0.431371	0.213717	0.213717	0.18549	0.18549
1460	73	100	0.301	0.303	0.178	0.009653	11.08623	0.49367	0.498104	0.246779	0.246779	0.214186	0.214186
1825	91.25	100	0.301	0.303	0.178	0.012066	12.39478	0.55194	0.556897	0.275908	0.275908	0.239467	0.239467
3650	182.5	100	0.301	0.303	0.178	0.024132	17.52887	0.78056	0.787572	0.390193	0.390193	0.338658	0.338658
7300	365	100	0.301	0.303	0.178	0.048264	24.78956	1.103879	1.113795	0.551816	0.551816	0.478934	0.478934
18250	912.5	100	0.301	0.303	0.178	0.120661	39.19573	1.745386	1.761064	0.872497	0.872497	0.757262	0.757262

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

Layer 1
 Total layer sett@ 30 days: 0.301 in (from SETANL)
 Total layer sett@ 45: 0.303
 Total layer sett@ 60: 0.178
 Total layer sett@ 110: 0.178
 Total layer sett@ 140: 0.159
 Total layer sett@ 180: 0.159
 Total layer sett@ 365: 0.159
 Total layer sett@ 545: 0.159
 Total layer sett@ 730: 0.159
 Total layer sett@ 1095: 0.159
 Total layer sett@ 1460: 0.159
 Total layer sett@ 1825: 0.159
 Total layer sett@ 3650: 0.159
 Total layer sett@ 20: 0.159
 Total layer sett@ 50: 0.159
 Cv: 0.2 ft²/day
 Hdr: 2 ft

Layer 6
 Total layer sett@ 30 days: in (from SETANL)
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: ft²/day
 Hdr: ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	1.5	97.99931	0.29497793	0.296938	0.174439	0.030703
45	2.25	99.68572	0.30005401	0.302048	0.177441	0.037603
60	3	99.95063	0.3008514	0.30285	0.177912	0.04342
110	5.5	99.9999	0.30099969	0.303	0.178	0.058791
140	7	100	0.30099999	0.303	0.178	0.066325
180	9	100	0.301	0.303	0.178	0.075206
365	18.25	100	0.301	0.303	0.178	0.107093
545	27.25	100	0.301	0.303	0.178	0.130862
730	36.5	100	0.301	0.303	0.178	0.151452
1095	54.75	100	0.301	0.303	0.178	0.18549
1460	73	100	0.301	0.303	0.178	0.214186
1825	91.25	100	0.301	0.303	0.178	0.239467
3650	182.5	100	0.301	0.303	0.178	0.338658
7300	365	100	0.301	0.303	0.178	0.478934
18250	912.5	100	0.301	0.303	0.178	0.757262

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	#DIV/0!	#DIV/0!			
45	#DIV/0!	#DIV/0!			
60	#DIV/0!	#DIV/0!			
110	#DIV/0!	#DIV/0!			
140	#DIV/0!	#DIV/0!			
180	#DIV/0!	#DIV/0!			
365	#DIV/0!	#DIV/0!			
545	#DIV/0!	#DIV/0!			
730	#DIV/0!	#DIV/0!			
1095	#DIV/0!	#DIV/0!			
1460	#DIV/0!	#DIV/0!			
1825	#DIV/0!	#DIV/0!			
3650	#DIV/0!	#DIV/0!			
7300	#DIV/0!	#DIV/0!			
18250	#DIV/0!	#DIV/0!			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

Layer 1

Total layer sett@ 30 days: 0.301 in (from SETANL)
 Total layer sett@ 45: 0.303
 Total layer sett@ 60: 0.178
 Total layer sett@ 110: 0.178
 Total layer sett@ 140: 0.159
 Total layer sett@ 180: 0.159
 Total layer sett@ 365: 0.159
 Total layer sett@ 545: 0.159
 Total layer sett@ 730: 0.159
 Total layer sett@ 1095: 0.159
 Total layer sett@ 1460: 0.159
 Total layer sett@ 1825: 0.159
 Total layer sett@ 3650: 0.159
 Total layer sett@ 20: 0.159
 Total layer sett@ 50: 0.159
 Cv: 0.2 ft²/day
 Hdr: 2 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	1.5	97.99931	0.29497793	0.296938	0.174439				
45	2.25	99.68572	0.30005401	0.302048	0.177441				
60	3	99.95063	0.3008514	0.30285	0.177912				
110	5.5	99.9999	0.30099969	0.303	0.178				
140	7	100	0.30099999	0.303	0.178				
180	9	100	0.301	0.303	0.178				
365	18.25	100	0.301	0.303	0.178				
545	27.25	100	0.301	0.303	0.178				
730	36.5	100	0.301	0.303	0.178				
1095	54.75	100	0.301	0.303	0.178				
1460	73	100	0.301	0.303	0.178				
1825	91.25	100	0.301	0.303	0.178				
3650	182.5	100	0.301	0.303	0.178				
7300	365	100	0.301	0.303	0.178				
18250	912.5	100	0.301	0.303	0.178				

0.918259 0.076522

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.918259057	0.076521588	0.925223417	0.077101951	0.500897638	0.04174147	0.500897638	0.04174147
45	0.123287671	1.063414368	0.088617864	1.071537163	0.089294764	0.577269391	0.048105783	0.577269391	0.048105783
60	0.164383562	1.182304014	0.098525335	1.191380279	0.09928169	0.639594669	0.053299556	0.639594669	0.053299556
110	0.301369863	1.490679837	0.12422332	1.502241983	0.125186832	0.801071296	0.066755941	0.801071296	0.066755941
140	0.383561644	1.639103174	0.136591931	1.651869027	0.137655752	0.878748976	0.073229081	0.878748976	0.073229081
180	0.493150685	1.811099001	0.150924917	1.825267797	0.15210565	0.968721221	0.080726768	0.968721221	0.080726768
365	1	2.371448362	0.197620697	2.390251487	0.199187624	1.261261263	0.105105105	1.261261263	0.105105105
545	1.493150685	2.719586199	0.226632183	2.741312427	0.228442702	1.442340069	0.120195006	1.442340069	0.120195006
730	2	2.970350314	0.247529193	2.994201565	0.249516797	1.572231039	0.131019253	1.572231039	0.131019253
1095	3	3.302772909	0.275231076	3.329470393	0.277455866	1.743392231	0.145282686	1.743392231	0.145282686
1460	4	3.533216457	0.294434705	3.561907807	0.296825651	1.861271863	0.155105989	1.861271863	0.155105989
1825	5	3.718033784	0.309836149	3.748333376	0.312361115	1.955468479	0.162955707	1.955468479	0.162955707
3650	10	4.404051992	0.367004333	4.440342732	0.370028561	2.30430334	0.192025278	2.30430334	0.192025278
7300	20	5.365915798	0.44715965	5.410611551	0.450884296	2.793221348	0.232768446	2.793221348	0.232768446
18250	50	7.100104361	0.591675363	7.15997549	0.596664624	3.673970754	0.306164229	3.673970754	0.306164229

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft		Settlement 45 days			Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.918259057	0.076521588	0.925223417	0.441017136	0.036751428	0.441017136	0.036751428	0.441017136	0.036751428
45	0.123287671	1.063414368	0.088617864	1.071537163	0.507795356	0.04231628	0.507795356	0.04231628	0.507795356	0.04231628
60	0.164383562	1.182304014	0.098525335	1.191380279	0.562252702	0.046854392	0.562252702	0.046854392	0.562252702	0.046854392
110	0.301369863	1.490679837	0.12422332	1.502241983	0.703309176	0.058609098	0.703309176	0.058609098	0.703309176	0.058609098
140	0.383561644	1.639103174	0.136591931	1.651869027	0.771153753	0.064262813	0.771153753	0.064262813	0.771153753	0.064262813
180	0.493150685	1.811099001	0.150924917	1.825267797	0.849726093	0.070810508	0.849726093	0.070810508	0.849726093	0.070810508
365	1	2.371448362	0.197620697	2.390251487	1.105091979	0.092090998	1.105091979	0.092090998	1.105091979	0.092090998
545	1.493150685	2.719586199	0.226632183	2.741312427	1.26305822	0.105254852	1.26305822	0.105254852	1.26305822	0.105254852
730	2	2.970350314	0.247529193	2.994201565	1.376299758	0.114691647	1.376299758	0.114691647	1.376299758	0.114691647
1095	3	3.302772909	0.275231076	3.329470393	1.525393139	0.127116095	1.525393139	0.127116095	1.525393139	0.127116095
1460	4	3.533216457	0.294434705	3.561907807	1.627978246	0.135664854	1.627978246	0.135664854	1.627978246	0.135664854
1825	5	3.718033784	0.309836149	3.748333376	1.709910138	0.142492512	1.709910138	0.142492512	1.709910138	0.142492512
3650	10	4.404051992	0.367004333	4.440342732	2.013223686	0.16776864	2.013223686	0.16776864	2.013223686	0.16776864
7300	20	5.365915798	0.44715965	5.410611551	2.438317261	0.203193105	2.438317261	0.203193105	2.438317261	0.203193105
18250	50	7.100104361	0.591675363	7.15997549	3.204023955	0.267001996	3.204023955	0.267001996	3.204023955	0.267001996

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	0.918259057	0.076521588	0.925223417	0.441017136	0.036751428	0.441017136	0.036751428	0.441017136	0.036751428	0.441017136	
45	0.123287671	1.063414368	0.088617864	1.071537163	0.507795356	0.04231628	0.507795356	0.04231628	0.507795356	0.04231628	0.507795356	
60	0.164383562	1.182304014	0.098525335	1.191380279	0.562252702	0.046854392	0.562252702	0.046854392	0.562252702	0.046854392	0.562252702	
110	0.301369863	1.490679837	0.12422332	1.502241983	0.703309176	0.058609098	0.703309176	0.058609098	0.703309176	0.058609098	0.703309176	
140	0.383561644	1.639103174	0.136591931	1.651869027	0.771153753	0.064262813	0.771153753	0.064262813	0.771153753	0.064262813	0.771153753	
180	0.493150685	1.811099001	0.150924917	1.825267797	0.849726093	0.070810508	0.849726093	0.070810508	0.849726093	0.070810508	0.849726093	
365	1	2.371448362	0.197620697	2.390251487	1.105091979	0.092090998	1.105091979	0.092090998	1.105091979	0.092090998	1.105091979	
545	1.493150685	2.719586199	0.226632183	2.741312427	1.26305822	0.105254852	1.26305822	0.105254852	1.26305822	0.105254852	1.26305822	
730	2	2.970350314	0.247529193	2.994201565	1.376299758	0.114691647	1.376299758	0.114691647	1.376299758	0.114691647	1.376299758	
1095	3	3.302772909	0.275231076	3.329470393	1.525393139	0.127116095	1.525393139	0.127116095	1.525393139	0.127116095	1.525393139	
1460	4	3.533216457	0.294434705	3.561907807	1.627978246	0.135664854	1.627978246	0.135664854	1.627978246	0.135664854	1.627978246	
1825	5	3.718033784	0.309836149	3.748333376	1.709910138	0.142492512	1.709910138	0.142492512	1.709910138	0.142492512	1.709910138	
3650	10	4.404051992	0.367004333	4.440342732	2.013223686	0.16776864	2.013223686	0.16776864	2.013223686	0.16776864	2.013223686	
7300	20	5.365915798	0.44715965	5.410611551	2.438317261	0.203193105	2.438317261	0.203193105	2.438317261	0.203193105	2.438317261	
18250	50	7.100104361	0.591675363	7.15997549	3.204023955	0.267001996	3.204023955	0.267001996	3.204023955	0.267001996	3.204023955	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.918259057	0.076521588	0.925223417	0.036751428	0.441017136	0.036751428	0.441017136	0.036751428
45	0.123287671	1.063414368	0.088617864	1.071537163	0.04231628	0.507795356	0.04231628	0.507795356	0.04231628
60	0.164383562	1.182304014	0.098525335	1.191380279	0.046854392	0.562252702	0.046854392	0.562252702	0.046854392
110	0.301369863	1.490679837	0.12422332	1.502241983	0.058609098	0.703309176	0.058609098	0.703309176	0.058609098
140	0.383561644	1.639103174	0.136591931	1.651869027	0.064262813	0.771153753	0.064262813	0.771153753	0.064262813
180	0.493150685	1.811099001	0.150924917	1.825267797	0.070810508	0.849726093	0.070810508	0.849726093	0.070810508
365	1	2.371448362	0.197620697	2.390251487	0.092090998	1.105091979	0.092090998	1.105091979	0.092090998
545	1.493150685	2.719586199	0.226632183	2.741312427	0.105254852	1.26305822	0.105254852	1.26305822	0.105254852
730	2	2.970350314	0.247529193	2.994201565	0.114691647	1.376299758	0.114691647	1.376299758	0.114691647
1095	3	3.302772909	0.275231076	3.329470393	0.127116095	1.525393139	0.127116095	1.525393139	0.127116095
1460	4	3.533216457	0.294434705	3.561907807	0.135664854	1.627978246	0.135664854	1.627978246	0.135664854
1825	5	3.718033784	0.309836149	3.748333376	0.142492512	1.709910138	0.142492512	1.709910138	0.142492512
3650	10	4.404051992	0.367004333	4.440342732	0.16776864	2.013223686	0.16776864	2.013223686	0.16776864
7300	20	5.365915798	0.44715965	5.410611551	0.203193105	2.438317261	0.203193105	2.438317261	0.203193105
18250	50	7.100104361	0.591675363	7.15997549	0.267001996	3.204023955	0.267001996	3.204023955	0.267001996

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft		Settlement 45 days			Settlement 5 years		Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.918259057	0.076521588	0.925223417	0.441017136	0.036751428	0.441017136	0.036751428	0.441017136	0.036751428
45	0.123287671	1.063414368	0.088617864	1.071537163	0.507795356	0.04231628	0.507795356	0.04231628	0.507795356	0.04231628
60	0.164383562	1.182304014	0.098525335	1.191380279	0.562252702	0.046854392	0.562252702	0.046854392	0.562252702	0.046854392
110	0.301369863	1.490679837	0.12422332	1.502241983	0.703309176	0.058609098	0.703309176	0.058609098	0.703309176	0.058609098
140	0.383561644	1.639103174	0.136591931	1.651869027	0.771153753	0.064262813	0.771153753	0.064262813	0.771153753	0.064262813
180	0.493150685	1.811099001	0.150924917	1.825267797	0.849726093	0.070810508	0.849726093	0.070810508	0.849726093	0.070810508
365	1	2.371448362	0.197620697	2.390251487	1.105091979	0.092090998	1.105091979	0.092090998	1.105091979	0.092090998
545	1.493150685	2.719586199	0.226632183	2.741312427	1.26305822	0.105254852	1.26305822	0.105254852	1.26305822	0.105254852
730	2	2.970350314	0.247529193	2.994201565	1.376299758	0.114691647	1.376299758	0.114691647	1.376299758	0.114691647
1095	3	3.302772909	0.275231076	3.329470393	1.525393139	0.127116095	1.525393139	0.127116095	1.525393139	0.127116095
1460	4	3.533216457	0.294434705	3.561907807	1.627978246	0.135664854	1.627978246	0.135664854	1.627978246	0.135664854
1825	5	3.718033784	0.309836149	3.748333376	1.709910138	0.142492512	1.709910138	0.142492512	1.709910138	0.142492512
3650	10	4.404051992	0.367004333	4.440342732	2.013223686	0.16776864	2.013223686	0.16776864	2.013223686	0.16776864
7300	20	5.365915798	0.44715965	5.410611551	2.438317261	0.203193105	2.438317261	0.203193105	2.438317261	0.203193105
18250	50	7.100104361	0.591675363	7.15997549	3.204023955	0.267001996	3.204023955	0.267001996	3.204023955	0.267001996

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.918259057	0.076521588	0.925223417	0.441017136	0.036751428	0.441017136	0.036751428	
45	0.123287671	1.063414368	0.088617864	1.071537163	0.507795356	0.04231628	0.507795356	0.04231628	
60	0.164383562	1.182304014	0.098525335	1.191380279	0.562252702	0.046854392	0.562252702	0.046854392	
110	0.301369863	1.490679837	0.12422332	1.502241983	0.703309176	0.058609098	0.703309176	0.058609098	
140	0.383561644	1.639103174	0.136591931	1.651869027	0.771153753	0.064262813	0.771153753	0.064262813	
180	0.493150685	1.811099001	0.150924917	1.825267797	0.849726093	0.070810508	0.849726093	0.070810508	
365	1	2.371448362	0.197620697	2.390251487	1.105091979	0.092090998	1.105091979	0.092090998	
545	1.493150685	2.719586199	0.226632183	2.741312427	1.26305822	0.105254852	1.26305822	0.105254852	
730	2	2.970350314	0.247529193	2.994201565	1.376299758	0.114691647	1.376299758	0.114691647	
1095	3	3.302772909	0.275231076	3.329470393	1.525393139	0.127116095	1.525393139	0.127116095	
1460	4	3.533216457	0.294434705	3.561907807	1.627978246	0.135664854	1.627978246	0.135664854	
1825	5	3.718033784	0.309836149	3.748333376	1.709910138	0.142492512	1.709910138	0.142492512	
3650	10	4.404051992	0.367004333	4.440342732	2.013223686	0.16776864	2.013223686	0.16776864	
7300	20	5.365915798	0.44715965	5.410611551	2.438317261	0.203193105	2.438317261	0.203193105	
18250	50	7.100104361	0.591675363	7.15997549	3.204023955	0.267001996	3.204023955	0.267001996	

Layer 2

Total layer sett@ 30 days: 0.389 in (from SETANL)
 Total layer sett@ 45: 0.391
 Total layer sett@ 60: 0.194
 Total layer sett@ 110: 0.192
 Total layer sett@ 140: 0.177
 Total layer sett@ 180: 0.177
 Total layer sett@ 365: 0.177
 Total layer sett@ 545: 0.177
 Total layer sett@ 730: 0.177
 Total layer sett@ 1095: 0.177
 Total layer sett@ 1460: 0.177
 Total layer sett@ 1825: 0.177
 Total layer sett@ 3650: 0.177
 Total layer sett@ 20: 0.177
 Total layer sett@ 50: 0.177
 Cv: 0.2 ft²/day
 Hdr: 22.65 ft

Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.09221109	0.092211	0.092211	0.092211	30	0.011695	12.2028839	0.047469	0.047713	0.023674	0.02343	0.021599	0.021599	0.021599	0.021599
0.11293506	0.112935	0.112935	0.112935	45	0.017543	14.9454194	0.058138	0.058437	0.028994	0.028695	0.026453	0.026453	0.026453	0.026453
0.13040617	0.130406	0.130406	0.130406	60	0.023391	17.2574839	0.067132	0.067477	0.03348	0.033134	0.030546	0.030546	0.030546	0.030546
0.17657079	0.176571	0.176571	0.176571	110	0.042883	23.3667436	0.090897	0.091364	0.045331	0.044864	0.041359	0.041359	0.041359	0.041359
0.19919872	0.199199	0.199199	0.199199	140	0.054579	26.361242	0.102545	0.103072	0.051141	0.050614	0.046659	0.046659	0.046659	0.046659
0.22587011	0.22587	0.22587	0.22587	180	0.070172	29.8908389	0.116275	0.116873	0.057988	0.05739	0.052907	0.052907	0.052907	0.052907
0.31103282	0.311033	0.311033	0.311033	365	0.142294	42.5645732	0.165576	0.166427	0.082575	0.081724	0.075339	0.075339	0.075339	0.075339
0.35831502	0.358315	0.358315	0.358315	545	0.212466	52.0115866	0.202325	0.203365	0.100902	0.099862	0.092061	0.092061	0.092061	0.092061
0.3860101	0.38601	0.38601	0.38601	730	0.284588	59.8328072	0.23275	0.233946	0.116076	0.114879	0.105904	0.105904	0.105904	0.105904
0.41032742	0.410327	0.410327	0.410327	1095	0.426882	71.727826	0.279021	0.280456	0.139152	0.137717	0.126958	0.126958	0.126958	0.126958
0.41821424	0.418214	0.418214	0.418214	1460	0.569176	80.1002817	0.31159	0.313192	0.155395	0.153793	0.141777	0.141777	0.141777	0.141777
0.42077217	0.420772	0.420772	0.420772	1825	0.71147	85.9933379	0.334514	0.336234	0.166827	0.165107	0.152208	0.152208	0.152208	0.152208
0.42199559	0.421996	0.421996	0.421996	3650	1.42294	97.5802346	0.379587	0.381539	0.189306	0.187354	0.172717	0.172717	0.172717	0.172717
0.422	0.422	0.422	0.422	7300	2.845879	99.9277812	0.388719	0.390718	0.19386	0.191861	0.176872	0.176872	0.176872	0.176872
0.422	0.422	0.422	0.422	18250	7.114698	99.9999981	0.389	0.391	0.194	0.192	0.177	0.177	0.177	0.177

Total layer sett@ 30 days: 1.576 in
 Total layer sett@ 45: 1.583
 Total layer sett@ 60: 0.749
 Total layer sett@ 110: 0.741
 Total layer sett@ 140: 0.68
 Total layer sett@ 180: 0.68
 Total layer sett@ 365: 0.68
 Total layer sett@ 545: 0.68
 Total layer sett@ 730: 0.68
 Total layer sett@ 1095: 0.68
 Total layer sett@ 1460: 0.68
 Total layer sett@ 1825: 0.68
 Total layer sett@ 3650: 0.68
 Total layer sett@ 20: 0.68
 Total layer sett@ 50: 0.68
 Cv: 0.2 ft²/day
 Hdr: 30.65 ft

Sett@730	Sett@1095	Sett@1460	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.021599	0.021599	0.021599	0.021599	0.021599	0.021599	0.021599	30	0.006387	9.017792	0.14212	0.142752	0.067543	0.066822	0.061321
0.026453	0.026453	0.026453	0.026453	0.026453	0.026453	0.026453	45	0.00958	11.04449	0.174061	0.174834	0.082723	0.08184	0.075103
0.030546	0.030546	0.030546	0.030546	0.030546	0.030546	0.030546	60	0.012774	12.75308	0.200989	0.201881	0.095521	0.0945	0.086721
0.041359	0.041359	0.041359	0.041359	0.041359	0.041359	0.041359	110	0.023419	17.26776	0.27214	0.273349	0.129335	0.127954	0.117421
0.046659	0.046659	0.046659	0.046659	0.046659	0.046659	0.046659	140	0.029806	19.48066	0.307015	0.308379	0.14591	0.144352	0.132468
0.052907	0.052907	0.052907	0.052907	0.052907	0.052907	0.052907	180	0.038321	22.08899	0.348122	0.349669	0.165447	0.163679	0.150205
0.075339	0.075339	0.075339	0.075339	0.075339	0.075339	0.075339	365	0.077707	31.45473	0.495727	0.497928	0.235596	0.23308	0.213892
0.092061	0.092061	0.092061	0.092061	0.092061	0.092061	0.092061	545	0.116029	38.43597	0.605751	0.608441	0.287885	0.284811	0.261365
0.105904	0.105904	0.105904	0.105904	0.105904	0.105904	0.105904	730	0.155415	44.48371	0.701063	0.704177	0.333183	0.329624	0.302489
0.126958	0.126958	0.126958	0.126958	0.126958	0.126958	0.126958	1095	0.233122	54.4812	0.858624	0.862437	0.408064	0.403706	0.370472
0.141777	0.141777	0.141777	0.141777	0.141777	0.141777	0.141777	1460	0.310829	62.35167	0.982662	0.987027	0.467014	0.462026	0.423991
0.152208	0.152208	0.152208	0.152208	0.152208	0.152208	0.152208	1825	0.388537	68.92164	1.086205	1.09103	0.516223	0.510709	0.468667
0.172717	0.172717	0.172717	0.172717	0.172717	0.172717	0.172717	3650	0.777073	88.08703	1.388252	1.394418	0.659772	0.652725	0.598992
0.176872	0.176872	0.176872	0.176872	0.176872	0.176872	0.176872	7300	1.554146	98.24957	1.548413	1.555291	0.735889	0.728029	0.668097
0.177	0.177	0.177	0.177	0.177	0.177	0.177	18250	3.885366	99.99445	1.575912	1.582912	0.748958	0.740959	0.679962

Layer 3

(from SETANL)

Layer 4

Total layer sett@ 30 days: 1.617 in
 Total layer sett@ 45: 1.625
 Total layer sett@ 60: 0.756
 Total layer sett@ 110: 0.748
 Total layer sett@ 140: 0.686
 Total layer sett@ 180: 0.686
 Total layer sett@ 365: 0.686
 Total layer sett@ 545: 0.686
 Total layer sett@ 730: 0.686
 Total layer sett@ 1095: 0.686
 Total layer sett@ 1460: 0.686
 Total layer sett@ 1825: 0.686
 Total layer sett@ 3650: 0.686
 Total layer sett@ 20: 0.686
 Total layer sett@ 50: 0.686
 Cv: 0.08 ft²/day
 Hdr: 29.38 ft

Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.061321	0.061321	0.061321	0.061321	0.061321	0.061321	0.061321	0.061321	0.061321	0.061321	30	0.00278	5.949889	0.09621
0.075103	0.075103	0.075103	0.075103	0.075103	0.075103	0.075103	0.075103	0.075103	0.075103	45	0.004171	7.287096	0.117832
0.086721	0.086721	0.086721	0.086721	0.086721	0.086721	0.086721	0.086721	0.086721	0.086721	60	0.005561	8.414414	0.136061
0.117421	0.117421	0.117421	0.117421	0.117421	0.117421	0.117421	0.117421	0.117421	0.117421	110	0.010195	11.39317	0.184228
0.132468	0.132468	0.132468	0.132468	0.132468	0.132468	0.132468	0.132468	0.132468	0.132468	140	0.012975	12.85323	0.207837
0.150205	0.150205	0.150205	0.150205	0.150205	0.150205	0.150205	0.150205	0.150205	0.150205	180	0.016682	14.57419	0.235665
0.213892	0.213892	0.213892	0.213892	0.213892	0.213892	0.213892	0.213892	0.213892	0.213892	365	0.033828	20.75366	0.335587
0.261365	0.261365	0.261365	0.261365	0.261365	0.261365	0.261365	0.261365	0.261365	0.261365	545	0.050511	25.35984	0.410069
0.302489	0.302489	0.302489	0.302489	0.302489	0.302489	0.302489	0.302489	0.302489	0.302489	730	0.067656	29.35011	0.474591
0.370472	0.370472	0.370472	0.370472	0.370472	0.370472	0.370472	0.370472	0.370472	0.370472	1095	0.101485	35.94639	0.581253
0.423991	0.423991	0.423991	0.423991	0.423991	0.423991	0.423991	0.423991	0.423991	0.423991	1460	0.135313	41.50732	0.671173
0.468667	0.468667	0.468667	0.468667	0.468667	0.468667	0.468667	0.468667	0.468667	0.468667	1825	0.169141	46.40659	0.750395
0.598992	0.598992	0.598992	0.598992	0.598992	0.598992	0.598992	0.598992	0.598992	0.598992	3650	0.338282	64.81794	1.048106
0.668097	0.668097	0.668097	0.668097	0.668097	0.668097	0.668097	0.668097	0.668097	0.668097	7300	0.676565	84.73326	1.370137
0.679962	0.679962	0.679962	0.679962	0.679962	0.679962	0.679962	0.679962	0.679962	0.679962	18250	1.691411	98.75255	1.596829

Sett@50yr

0

0.035904

0.043973

0.050776

0.068751

0.077562

0.087947

0.125236

0.153032

0.177111

0.216916

0.250472

0.280037

0.396032

0.560073

0.855786

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days		Settlement 60 days		Settlement 110 days			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.534535671	0.044544639	0.536727053	0.044727254	0.27458914	0.022882428	0.272089071	0.022674089
45	0.123287671	0.654669821	0.054555818	0.657353705	0.054779475	0.336301641	0.028025137	0.333239694	0.027769974
60	0.164383562	0.755947595	0.062995633	0.759046678	0.06325389	0.388327686	0.032360641	0.384792054	0.032066004
110	0.301369863	1.023557882	0.08529649	1.02775406	0.085646172	0.525798173	0.043816514	0.521010904	0.043417575
140	0.383561644	1.154729025	0.096227419	1.159462952	0.096621913	0.593180339	0.049431695	0.587779571	0.048981631
180	0.493150685	1.309339643	0.109111637	1.314707411	0.109558951	0.672603283	0.056050274	0.666479388	0.055539949
365	1	1.845775966	0.153814664	1.853369404	0.15444745	0.946427125	0.078868927	0.937782095	0.078148508
545	1.493150685	2.217039829	0.184753319	2.226215515	0.18551796	1.133185988	0.094432166	1.122776854	0.093564738
730	2	2.513832107	0.209486009	2.524308353	0.210359029	1.280061245	0.10667177	1.268225446	0.105685454
1095	3	2.962539802	0.246878317	2.975043582	0.247920299	1.497862297	0.124821858	1.483841365	0.123653447
1460	4	3.303318951	0.275276579	3.317400084	0.276450007	1.660577161	0.13838143	1.644881482	0.137073457
1825	5	3.584293066	0.298691089	3.599687919	0.299973993	1.793624942	0.149468745	1.776543783	0.148045315
3650	10	4.508950755	0.375745896	4.528699818	0.377391651	2.228167685	0.18568064	2.206537762	0.183878147
7300	20	5.392962979	0.449413582	5.416905191	0.451408766	2.64044473	0.220037061	2.614520023	0.217876669
18250	50	6.355306797	0.5296089	6.383813882	0.53198449	3.085996232	0.257166353	3.055489202	0.2546241

		Settlement 1095 days		Settlement 4 years		Settlement 5 years		Settlement 10 years	
Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
0.251851528	0.020987627	0.251851528	0.020987627	0.251851528	0.020987627	0.251851528	0.020987627	0.251851528	0.020987627
0.308453867	0.025704489	0.308453867	0.025704489	0.308453867	0.025704489	0.308453867	0.025704489	0.308453867	0.025704489
0.356171846	0.029680987	0.356171846	0.029680987	0.356171846	0.029680987	0.356171846	0.029680987	0.356171846	0.029680987
0.482258959	0.040188247	0.482258959	0.040188247	0.482258959	0.040188247	0.482258959	0.040188247	0.482258959	0.040188247
0.544061481	0.045338457	0.544061481	0.045338457	0.544061481	0.045338457	0.544061481	0.045338457	0.544061481	0.045338457
0.616907733	0.051408978	0.616907733	0.051408978	0.616907733	0.051408978	0.616907733	0.051408978	0.616907733	0.051408978
0.867870635	0.072322553	0.867870635	0.072322553	0.867870635	0.072322553	0.867870635	0.072322553	0.867870635	0.072322553
1.038740458	0.086561705	1.038740458	0.086561705	1.038740458	0.086561705	1.038740458	0.086561705	1.038740458	0.086561705
1.172855909	0.097737992	1.172855909	0.097737992	1.172855909	0.097737992	1.172855909	0.097737992	1.172855909	0.097737992
1.371265578	0.114272132	1.371265578	0.114272132	1.371265578	0.114272132	1.371265578	0.114272132	1.371265578	0.114272132
1.519195771	0.126599648	1.519195771	0.126599648	1.519195771	0.126599648	1.519195771	0.126599648	1.519195771	0.126599648
1.640033467	0.136669456	1.640033467	0.136669456	1.640033467	0.136669456	1.640033467	0.136669456	1.640033467	0.136669456
2.034387194	0.169532266	2.034387194	0.169532266	2.034387194	0.169532266	2.034387194	0.169532266	2.034387194	0.169532266
2.408312827	0.200692736	2.408312827	0.200692736	2.408312827	0.200692736	2.408312827	0.200692736	2.408312827	0.200692736
2.812190786	0.234349232	2.812190786	0.234349232	2.812190786	0.234349232	2.812190786	0.234349232	2.812190786	0.234349232

Foundation Settlement (ft)	Settlement 20 years		Settlement 50 years	
	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0
0.020987627	0.251851528	0.020987627	0.251851528	0.020987627
0.025704489	0.308453867	0.025704489	0.308453867	0.025704489
0.029680987	0.356171846	0.029680987	0.356171846	0.029680987
0.040188247	0.482258959	0.040188247	0.482258959	0.040188247
0.045338457	0.544061481	0.045338457	0.544061481	0.045338457
0.051408978	0.616907733	0.051408978	0.616907733	0.051408978
0.072322553	0.867870635	0.072322553	0.867870635	0.072322553
0.086561705	1.038740458	0.086561705	1.038740458	0.086561705
0.097737992	1.172855909	0.097737992	1.172855909	0.097737992
0.114272132	1.371265578	0.114272132	1.371265578	0.114272132
0.126599648	1.519195771	0.126599648	1.519195771	0.126599648
0.136669456	1.640033467	0.136669456	1.640033467	0.136669456
0.169532266	2.034387194	0.169532266	2.034387194	0.169532266
0.200692736	2.408312827	0.200692736	2.408312827	0.200692736
0.234349232	2.812190786	0.234349232	2.812190786	0.234349232

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft													
Layer 1													
Total layer sett@ 30 days:			0.554 in		(from SETANL)					Total layer sett@ 30 days:			0.255
Total layer sett@ 45:			0.555							Total layer sett@ 45:			0.256
Total layer sett@ 60:			0.351							Total layer sett@ 60:			0.14
Total layer sett@ 110:			0.351							Total layer sett@ 110:			0.14
Total layer sett@ 140:			0.351							Total layer sett@ 140:			0.14
Total layer sett@ 180:			0.351							Total layer sett@ 180:			0.14
Total layer sett@ 365:			0.351							Total layer sett@ 365:			0.14
Total layer sett@ 545:			0.351							Total layer sett@ 545:			0.14
Total layer sett@ 730:			0.351							Total layer sett@ 730:			0.14
Total layer sett@ 1095:			0.351							Total layer sett@ 1095:			0.14
Total layer sett@ 1460:			0.351							Total layer sett@ 1460:			0.14
Total layer sett@ 1825:			0.351							Total layer sett@ 1825:			0.14
Total layer sett@ 3650:			0.351							Total layer sett@ 3650:			0.14
Total layer sett@ 20:			0.351							Total layer sett@ 20:			0.14
Total layer sett@ 50:			0.351							Total layer sett@ 50:			0.14
Cv:			0.02 ft ² /day							Cv:			0.2
Hdr:			4 ft							Hdr:			22.65
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	
0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0.0375	21.85097	0.12105437	0.121273	0.076697	0.0766969	0.076697	0.076697	0.076697	30	0.011695	12.2028839	
45	0.05625	26.76186	0.14826071	0.148528	0.093934	0.09393413	0.093934	0.093934	0.093934	45	0.017543	14.9454194	
60	0.075	30.90194	0.17119673	0.171506	0.108466	0.1084658	0.108466	0.108466	0.108466	60	0.023391	17.2574839	
110	0.1375	41.84142	0.23180146	0.23222	0.146863	0.14686338	0.146863	0.146863	0.146863	110	0.042883	23.3667436	
140	0.175	47.20349	0.26150732	0.261979	0.165684	0.16568424	0.165684	0.165684	0.165684	140	0.054579	26.361242	
180	0.225	53.52372	0.29652143	0.297057	0.187868	0.18786827	0.187868	0.187868	0.187868	180	0.070172	29.8908389	
365	0.45625	73.70446	0.40832271	0.40906	0.258703	0.25870265	0.258703	0.258703	0.258703	365	0.142294	42.5645732	
545	0.68125	84.90877	0.4703946	0.471244	0.29803	0.29802979	0.29803	0.29803	0.29803	545	0.212466	52.0115866	
730	0.9125	91.47159	0.5067526	0.507667	0.321065	0.32106527	0.321065	0.321065	0.321065	730	0.284588	59.8328072	
1095	1.36875	97.23399	0.53867629	0.539649	0.341291	0.34129129	0.341291	0.341291	0.341291	1095	0.426882	71.727826	
1460	1.825	99.1029	0.54903007	0.550021	0.347851	0.34785118	0.347851	0.347851	0.347851	1460	0.569176	80.1002817	
1825	2.28125	99.70904	0.55238811	0.553385	0.349979	0.34997875	0.349979	0.349979	0.349979	1825	0.71147	85.9933379	
3650	4.5625	99.99896	0.55399422	0.554994	0.350996	0.35099634	0.350996	0.350996	0.350996	3650	1.42294	97.5802346	
7300	9.125	100	0.554	0.555	0.351	0.351	0.351	0.351	0.351	7300	2.845879	99.9277812	
18250	22.8125	100	0.554	0.555	0.351	0.351	0.351	0.351	0.351	18250	7.114698	99.9999981	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

		Layer 1			
Total layer sett@ 30 days:	0.554 in	(from SETANL)	al layer sett@ 30 days:	1 in	
Total layer sett@ 45:	0.555		Total layer sett@ 45:	1.003	
Total layer sett@ 60:	0.351		Total layer sett@ 60:	0.533	
Total layer sett@ 110:	0.351		Total layer sett@ 110:	0.533	
Total layer sett@ 140:	0.351		Total layer sett@ 140:	0.533	
Total layer sett@ 180:	0.351		Total layer sett@ 180:	0.533	
Total layer sett@ 365:	0.351		Total layer sett@ 365:	0.533	
Total layer sett@ 545:	0.351		Total layer sett@ 545:	0.533	
Total layer sett@ 730:	0.351		Total layer sett@ 730:	0.533	
Total layer sett@ 1095:	0.351		otal layer sett@ 1095:	0.533	
Total layer sett@ 1460:	0.351		otal layer sett@ 1460:	0.533	
Total layer sett@ 1825:	0.351		otal layer sett@ 1825:	0.533	
Total layer sett@ 3650:	0.351		otal layer sett@ 3650:	0.533	
Total layer sett@ 20:	0.351		Total layer sett@ 20:	0.533	
Total layer sett@ 50:	0.351		Total layer sett@ 50:	0.533	
Cv:	0.02 ft ² /day		Cv:	0.2 ft ² /day	
Hdr:	4 ft		Hdr:	30.65 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.12105437	0.121273	0.076697	30	0.006387	9.017792	0.090178	0.090448	0.048065	0.048065	0.048065
45	0.05625	26.76186	0.14826071	0.148528	0.093934	45	0.00958	11.04449	0.110445	0.110776	0.058867	0.058867	0.058867
60	0.075	30.90194	0.17119673	0.171506	0.108466	60	0.012774	12.75308	0.127531	0.127913	0.067974	0.067974	0.067974
110	0.1375	41.84142	0.23180146	0.23222	0.146863	110	0.023419	17.26776	0.172678	0.173196	0.092037	0.092037	0.092037
140	0.175	47.20349	0.26150732	0.261979	0.165684	140	0.029806	19.48066	0.194807	0.195391	0.103832	0.103832	0.103832
180	0.225	53.52372	0.29652143	0.297057	0.187868	180	0.038321	22.08899	0.22089	0.221553	0.117734	0.117734	0.117734
365	0.45625	73.70446	0.40832271	0.40906	0.258703	365	0.077707	31.45473	0.314547	0.315491	0.167654	0.167654	0.167654
545	0.68125	84.90877	0.4703946	0.471244	0.29803	545	0.116029	38.43597	0.38436	0.385513	0.204864	0.204864	0.204864
730	0.9125	91.47159	0.5067526	0.507667	0.321065	730	0.155415	44.48371	0.444837	0.446172	0.237098	0.237098	0.237098
1095	1.36875	97.23399	0.53867629	0.539649	0.341291	1095	0.233122	54.4812	0.544812	0.546446	0.290385	0.290385	0.290385
1460	1.825	99.1029	0.54903007	0.550021	0.347851	1460	0.310829	62.35167	0.623517	0.625387	0.332334	0.332334	0.332334
1825	2.28125	99.70904	0.55238811	0.553385	0.349979	1825	0.388537	68.92164	0.689216	0.691284	0.367352	0.367352	0.367352
3650	4.5625	99.99896	0.55399422	0.554994	0.350996	3650	0.777073	88.08703	0.88087	0.883513	0.469504	0.469504	0.469504
7300	9.125	100	0.554	0.555	0.351	7300	1.554146	98.24957	0.982496	0.985443	0.52367	0.52367	0.52367
18250	22.8125	100	0.554	0.555	0.351	18250	3.885366	99.99445	0.999944	1.002944	0.53297	0.53297	0.53297

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

Layer 1								Layer 4			
Total layer sett@ 30 days:	0.554 in		(from SETANL)		(from SETANL)			Total layer sett@ 30 days:	1.015 in		
Total layer sett@ 45:	0.555							Total layer sett@ 45:	1.018		
Total layer sett@ 60:	0.351							Total layer sett@ 60:	0.536		
Total layer sett@ 110:	0.351							Total layer sett@ 110:	0.536		
Total layer sett@ 140:	0.351							Total layer sett@ 140:	0.536		
Total layer sett@ 180:	0.351							Total layer sett@ 180:	0.536		
Total layer sett@ 365:	0.351							Total layer sett@ 365:	0.536		
Total layer sett@ 545:	0.351							Total layer sett@ 545:	0.536		
Total layer sett@ 730:	0.351							Total layer sett@ 730:	0.536		
Total layer sett@ 1095:	0.351							Total layer sett@ 1095:	0.536		
Total layer sett@ 1460:	0.351							Total layer sett@ 1460:	0.536		
Total layer sett@ 1825:	0.351							Total layer sett@ 1825:	0.536		
Total layer sett@ 3650:	0.351							Total layer sett@ 3650:	0.536		
Total layer sett@ 20:	0.351							Total layer sett@ 20:	0.536		
Total layer sett@ 50:	0.351							Total layer sett@ 50:	0.536		
Cv:	0.02 ft ² /day							Cv:	0.08 ft ² /day		
Hdr:	4 ft							Hdr:	29.38 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.12105437	0.121273	0.076697	0.048065	0.048065	30	0.00278	5.949889	0.060391
45	0.05625	26.76186	0.14826071	0.148528	0.093934	0.058867	0.058867	45	0.004171	7.287096	0.073964
60	0.075	30.90194	0.17119673	0.171506	0.108466	0.067974	0.067974	60	0.005561	8.414414	0.085406
110	0.1375	41.84142	0.23180146	0.23222	0.146863	0.092037	0.092037	110	0.010195	11.39317	0.115641
140	0.175	47.20349	0.26150732	0.261979	0.165684	0.103832	0.103832	140	0.012975	12.85323	0.13046
180	0.225	53.52372	0.29652143	0.297057	0.187868	0.117734	0.117734	180	0.016682	14.57419	0.147928
365	0.45625	73.70446	0.40832271	0.40906	0.258703	0.167654	0.167654	365	0.033828	20.75366	0.21065
545	0.68125	84.90877	0.4703946	0.471244	0.29803	0.204864	0.204864	545	0.050511	25.35984	0.257402
730	0.9125	91.47159	0.5067526	0.507667	0.321065	0.237098	0.237098	730	0.067656	29.35011	0.297904
1095	1.36875	97.23399	0.53867629	0.539649	0.341291	0.290385	0.290385	1095	0.101485	35.94639	0.364856
1460	1.825	99.1029	0.54903007	0.550021	0.347851	0.332334	0.332334	1460	0.135313	41.50732	0.421299
1825	2.28125	99.70904	0.55238811	0.553385	0.349979	0.367352	0.367352	1825	0.169141	46.40659	0.471027
3650	4.5625	99.99896	0.55399422	0.554994	0.350996	0.469504	0.469504	3650	0.338282	64.81794	0.657902
7300	9.125	100	0.554	0.555	0.351	0.52367	0.52367	7300	0.676565	84.73326	0.860043
18250	22.8125	100	0.554	0.555	0.351	0.53297	0.53297	18250	1.691411	98.75255	1.002338

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

	Layer 1			Layer 5		
Total layer sett@ 30 days:	0.554 in	(from SETANL)	@ 30 days:	1.722 in	(from SETANL)	
Total layer sett@ 45:	0.555		r sett@ 45:	1.727		
Total layer sett@ 60:	0.351		r sett@ 60:	0.903		
Total layer sett@ 110:	0.351		sett@ 110:	0.903		
Total layer sett@ 140:	0.351		sett@ 140:	0.903		
Total layer sett@ 180:	0.351		sett@ 180:	0.903		
Total layer sett@ 365:	0.351		sett@ 365:	0.903		
Total layer sett@ 545:	0.351		sett@ 545:	0.903		
Total layer sett@ 730:	0.351		sett@ 730:	0.903		
Total layer sett@ 1095:	0.351		ett@ 1095:	0.903		
Total layer sett@ 1460:	0.351		ett@ 1460:	0.903		
Total layer sett@ 1825:	0.351		ett@ 1825:	0.903		
Total layer sett@ 3650:	0.351		ett@ 3650:	0.903		
Total layer sett@ 20:	0.351		r sett@ 20:	0.903		
Total layer sett@ 50:	0.351		r sett@ 50:	0.903		
Cv:	0.02 ft ² /day		Cv:	0.08 ft ² /day		
Hdr:	4 ft		Hdr:	56.38 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.12105437	0.121273	0.076697	0.000755	3.100528	0.053391	0.053546	0.027998	0.027998	0.027998	0.027998
45	0.05625	26.76186	0.14826071	0.148528	0.093934	0.001133	3.797355	0.06539	0.06558	0.03429	0.03429	0.03429	0.03429
60	0.075	30.90194	0.17119673	0.171506	0.108466	0.00151	4.384808	0.075506	0.075726	0.039595	0.039595	0.039595	0.039595
110	0.1375	41.84142	0.23180146	0.23222	0.146863	0.002768	5.937058	0.102236	0.102533	0.053612	0.053612	0.053612	0.053612
140	0.175	47.20349	0.26150732	0.261979	0.165684	0.003523	6.697905	0.115338	0.115673	0.060482	0.060482	0.060482	0.060482
180	0.225	53.52372	0.29652143	0.297057	0.187868	0.00453	7.594711	0.130781	0.131161	0.06858	0.06858	0.06858	0.06858
365	0.45625	73.70446	0.40832271	0.40906	0.258703	0.009186	10.81487	0.186232	0.186773	0.097658	0.097658	0.097658	0.097658
545	0.68125	84.90877	0.4703946	0.471244	0.29803	0.013716	13.21518	0.227565	0.228226	0.119333	0.119333	0.119333	0.119333
730	0.9125	91.47159	0.5067526	0.507667	0.321065	0.018372	15.29454	0.263372	0.264137	0.13811	0.13811	0.13811	0.13811
1095	1.36875	97.23399	0.53867629	0.539649	0.341291	0.027558	18.73191	0.322563	0.3235	0.169149	0.169149	0.169149	0.169149
1460	1.825	99.1029	0.54903007	0.550021	0.347851	0.036745	21.62975	0.372464	0.373546	0.195317	0.195317	0.195317	0.195317
1825	2.28125	99.70904	0.55238811	0.553385	0.349979	0.045931	24.18279	0.416428	0.417637	0.218371	0.218371	0.218371	0.218371
3650	4.5625	99.99896	0.55399422	0.554994	0.350996	0.091861	34.19963	0.588918	0.590628	0.308823	0.308823	0.308823	0.308823
7300	9.125	100	0.554	0.555	0.351	0.183723	48.36558	0.832855	0.835274	0.436741	0.436741	0.436741	0.436741
18250	22.8125	100	0.554	0.555	0.351	0.459307	73.90208	1.272594	1.276289	0.667336	0.667336	0.667336	0.667336

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

Layer 1			Layer 6		
Total layer sett@ 30 days:	0.554 in	(from SETANL)	Total layer sett@ 30 days:	in	(from SETA
Total layer sett@ 45:	0.555		Total layer sett@ 45:		
Total layer sett@ 60:	0.351		Total layer sett@ 60:		
Total layer sett@ 110:	0.351		Total layer sett@ 110:		
Total layer sett@ 140:	0.351		Total layer sett@ 140:		
Total layer sett@ 180:	0.351		Total layer sett@ 180:		
Total layer sett@ 365:	0.351		Total layer sett@ 365:		
Total layer sett@ 545:	0.351		Total layer sett@ 545:		
Total layer sett@ 730:	0.351		Total layer sett@ 730:		
Total layer sett@ 1095:	0.351		Total layer sett@ 1095:		
Total layer sett@ 1460:	0.351		Total layer sett@ 1460:		
Total layer sett@ 1825:	0.351		Total layer sett@ 1825:		
Total layer sett@ 3650:	0.351		Total layer sett@ 3650:		
Total layer sett@ 20:	0.351		Total layer sett@ 20:		
Total layer sett@ 50:	0.351		Total layer sett@ 50:		
Cv:	0.02 ft ² /day		Cv:	ft ² /day	
Hdr:	4 ft		Hdr:	ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr	time, t (days)	Tv	U	Sett@30	Sett@45
0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.12105437	0.121273	0.076697	0.027998	30	#DIV/0!	#DIV/0!		
45	0.05625	26.76186	0.14826071	0.148528	0.093934	0.03429	45	#DIV/0!	#DIV/0!		
60	0.075	30.90194	0.17119673	0.171506	0.108466	0.039595	60	#DIV/0!	#DIV/0!		
110	0.1375	41.84142	0.23180146	0.23222	0.146863	0.053612	110	#DIV/0!	#DIV/0!		
140	0.175	47.20349	0.26150732	0.261979	0.165684	0.060482	140	#DIV/0!	#DIV/0!		
180	0.225	53.52372	0.29652143	0.297057	0.187868	0.06858	180	#DIV/0!	#DIV/0!		
365	0.45625	73.70446	0.40832271	0.40906	0.258703	0.097658	365	#DIV/0!	#DIV/0!		
545	0.68125	84.90877	0.4703946	0.471244	0.29803	0.119333	545	#DIV/0!	#DIV/0!		
730	0.9125	91.47159	0.5067526	0.507667	0.321065	0.13811	730	#DIV/0!	#DIV/0!		
1095	1.36875	97.23399	0.53867629	0.539649	0.341291	0.169149	1095	#DIV/0!	#DIV/0!		
1460	1.825	99.1029	0.54903007	0.550021	0.347851	0.195317	1460	#DIV/0!	#DIV/0!		
1825	2.28125	99.70904	0.55238811	0.553385	0.349979	0.218371	1825	#DIV/0!	#DIV/0!		
3650	4.5625	99.99896	0.55399422	0.554994	0.350996	0.308823	3650	#DIV/0!	#DIV/0!		
7300	9.125	100	0.554	0.555	0.351	0.436741	7300	#DIV/0!	#DIV/0!		
18250	22.8125	100	0.554	0.555	0.351	0.667336	18250	#DIV/0!	#DIV/0!		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft			Settlement 45 days		Settlement 60 days		Settlement 110 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)						
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.356132101	0.029677675	0.357076697	0.029756391	0.201734939	0.016811245	0.201734939	0.016811245
45	0.123287671	0.436170965	0.03634758	0.437327853	0.036443988	0.247073832	0.020589486	0.247073832	0.020589486
60	0.164383562	0.503646848	0.041970571	0.504982707	0.042081892	0.285296287	0.023774691	0.285296287	0.023774691
110	0.301369863	0.681941055	0.056828421	0.683749818	0.056979151	0.386292999	0.032191083	0.386292999	0.032191083
140	0.383561644	0.769333267	0.064111106	0.771373827	0.064281152	0.435797277	0.03631644	0.435797277	0.03631644
180	0.493150685	0.872341929	0.072695161	0.874655706	0.072887975	0.494147664	0.041178972	0.494147664	0.041178972
365	1	1.228291459	0.102357622	1.231561145	0.102630095	0.694844703	0.057903725	0.694844703	0.057903725
545	1.493150685	1.472351691	0.122695974	1.476295528	0.123024627	0.830971588	0.069247632	0.830971588	0.069247632
730	2	1.665438926	0.138786577	1.669931711	0.139160976	0.937355651	0.078112971	0.937355651	0.078112971
1095	3	1.953813575	0.162817798	1.959152617	0.163262718	1.093916835	0.091159736	1.093916835	0.091159736
1460	4	2.170566014	0.180880501	2.176555303	0.181379609	1.21012182	0.100843485	1.21012182	0.100843485
1825	5	2.348342085	0.195695174	2.354868095	0.196239008	1.304831695	0.108735975	1.304831695	0.108735975
3650	10	2.930513829	0.244209486	2.938786752	0.244898896	1.613359348	0.134446612	1.613359348	0.134446612
7300	20	3.484209415	0.290350785	3.494116457	0.291176371	1.905480561	0.158790047	1.905480561	0.158790047
18250	50	4.083876621	0.340323052	4.095534135	0.341294511	2.220619827	0.185051652	2.220619827	0.185051652

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft		Settlement 45 days			Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.356132101	0.029677675	0.357076697	0.201734939	0.016811245	0.201734939	0.016811245	0.201734939	0.016811245
45	0.123287671	0.436170965	0.03634758	0.437327853	0.247073832	0.020589486	0.247073832	0.020589486	0.247073832	0.020589486
60	0.164383562	0.503646848	0.041970571	0.504982707	0.285296287	0.023774691	0.285296287	0.023774691	0.285296287	0.023774691
110	0.301369863	0.681941055	0.056828421	0.683749818	0.386292999	0.032191083	0.386292999	0.032191083	0.386292999	0.032191083
140	0.383561644	0.769333267	0.064111106	0.771373827	0.435797277	0.03631644	0.435797277	0.03631644	0.435797277	0.03631644
180	0.493150685	0.872341929	0.072695161	0.874655706	0.494147664	0.041178972	0.494147664	0.041178972	0.494147664	0.041178972
365	1	1.228291459	0.102357622	1.231561145	0.694844703	0.057903725	0.694844703	0.057903725	0.694844703	0.057903725
545	1.493150685	1.472351691	0.122695974	1.476295528	0.830971588	0.069247632	0.830971588	0.069247632	0.830971588	0.069247632
730	2	1.665438926	0.138786577	1.669931711	0.937355651	0.078112971	0.937355651	0.078112971	0.937355651	0.078112971
1095	3	1.953813575	0.162817798	1.959152617	1.093916835	0.091159736	1.093916835	0.091159736	1.093916835	0.091159736
1460	4	2.170566014	0.180880501	2.176555303	1.21012182	0.100843485	1.21012182	0.100843485	1.21012182	0.100843485
1825	5	2.348342085	0.195695174	2.354868095	1.304831695	0.108735975	1.304831695	0.108735975	1.304831695	0.108735975
3650	10	2.930513829	0.244209486	2.938786752	1.613359348	0.134446612	1.613359348	0.134446612	1.613359348	0.134446612
7300	20	3.484209415	0.290350785	3.494116457	1.905480561	0.158790047	1.905480561	0.158790047	1.905480561	0.158790047
18250	50	4.083876621	0.340323052	4.095534135	2.220619827	0.185051652	2.220619827	0.185051652	2.220619827	0.185051652

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	0.356132101	0.029677675	0.357076697	0.201734939	0.016811245	0.201734939	0.016811245	0.201734939	0.016811245	0.201734939	
45	0.123287671	0.436170965	0.03634758	0.437327853	0.247073832	0.020589486	0.247073832	0.020589486	0.247073832	0.020589486	0.247073832	
60	0.164383562	0.503646848	0.041970571	0.504982707	0.285296287	0.023774691	0.285296287	0.023774691	0.285296287	0.023774691	0.285296287	
110	0.301369863	0.681941055	0.056828421	0.683749818	0.386292999	0.032191083	0.386292999	0.032191083	0.386292999	0.032191083	0.386292999	
140	0.383561644	0.769333267	0.064111106	0.771373827	0.435797277	0.03631644	0.435797277	0.03631644	0.435797277	0.03631644	0.435797277	
180	0.493150685	0.872341929	0.072695161	0.874655706	0.494147664	0.041178972	0.494147664	0.041178972	0.494147664	0.041178972	0.494147664	
365	1	1.228291459	0.102357622	1.231561145	0.694844703	0.057903725	0.694844703	0.057903725	0.694844703	0.057903725	0.694844703	
545	1.493150685	1.472351691	0.122695974	1.476295528	0.830971588	0.069247632	0.830971588	0.069247632	0.830971588	0.069247632	0.830971588	
730	2	1.665438926	0.138786577	1.669931711	0.937355651	0.078112971	0.937355651	0.078112971	0.937355651	0.078112971	0.937355651	
1095	3	1.953813575	0.162817798	1.959152617	1.093916835	0.091159736	1.093916835	0.091159736	1.093916835	0.091159736	1.093916835	
1460	4	2.170566014	0.180880501	2.176555303	1.21012182	0.100843485	1.21012182	0.100843485	1.21012182	0.100843485	1.21012182	
1825	5	2.348342085	0.195695174	2.354868095	1.304831695	0.108735975	1.304831695	0.108735975	1.304831695	0.108735975	1.304831695	
3650	10	2.930513829	0.244209486	2.938786752	1.613359348	0.134446612	1.613359348	0.134446612	1.613359348	0.134446612	1.613359348	
7300	20	3.484209415	0.290350785	3.494116457	1.905480561	0.158790047	1.905480561	0.158790047	1.905480561	0.158790047	1.905480561	
18250	50	4.083876621	0.340323052	4.095534135	2.220619827	0.185051652	2.220619827	0.185051652	2.220619827	0.185051652	2.220619827	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.356132101	0.029677675	0.357076697	0.016811245	0.201734939	0.016811245	0.201734939	0.016811245
45	0.123287671	0.436170965	0.03634758	0.437327853	0.020589486	0.247073832	0.020589486	0.247073832	0.020589486
60	0.164383562	0.503646848	0.041970571	0.504982707	0.023774691	0.285296287	0.023774691	0.285296287	0.023774691
110	0.301369863	0.681941055	0.056828421	0.683749818	0.032191083	0.386292999	0.032191083	0.386292999	0.032191083
140	0.383561644	0.769333267	0.064111106	0.771373827	0.03631644	0.435797277	0.03631644	0.435797277	0.03631644
180	0.493150685	0.872341929	0.072695161	0.874655706	0.041178972	0.494147664	0.041178972	0.494147664	0.041178972
365	1	1.228291459	0.102357622	1.231561145	0.057903725	0.694844703	0.057903725	0.694844703	0.057903725
545	1.493150685	1.472351691	0.122695974	1.476295528	0.069247632	0.830971588	0.069247632	0.830971588	0.069247632
730	2	1.665438926	0.138786577	1.669931711	0.078112971	0.937355651	0.078112971	0.937355651	0.078112971
1095	3	1.953813575	0.162817798	1.959152617	0.091159736	1.093916835	0.091159736	1.093916835	0.091159736
1460	4	2.170566014	0.180880501	2.176555303	0.100843485	1.21012182	0.100843485	1.21012182	0.100843485
1825	5	2.348342085	0.195695174	2.354868095	0.108735975	1.304831695	0.108735975	1.304831695	0.108735975
3650	10	2.930513829	0.244209486	2.938786752	0.134446612	1.613359348	0.134446612	1.613359348	0.134446612
7300	20	3.484209415	0.290350785	3.494116457	0.158790047	1.905480561	0.158790047	1.905480561	0.158790047
18250	50	4.083876621	0.340323052	4.095534135	0.185051652	2.220619827	0.185051652	2.220619827	0.185051652

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft		Settlement 45 days			Settlement 5 years		Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.356132101	0.029677675	0.357076697	0.201734939	0.016811245	0.201734939	0.016811245	0.201734939	0.016811245
45	0.123287671	0.436170965	0.03634758	0.437327853	0.247073832	0.020589486	0.247073832	0.020589486	0.247073832	0.020589486
60	0.164383562	0.503646848	0.041970571	0.504982707	0.285296287	0.023774691	0.285296287	0.023774691	0.285296287	0.023774691
110	0.301369863	0.681941055	0.056828421	0.683749818	0.386292999	0.032191083	0.386292999	0.032191083	0.386292999	0.032191083
140	0.383561644	0.769333267	0.064111106	0.771373827	0.435797277	0.03631644	0.435797277	0.03631644	0.435797277	0.03631644
180	0.493150685	0.872341929	0.072695161	0.874655706	0.494147664	0.041178972	0.494147664	0.041178972	0.494147664	0.041178972
365	1	1.228291459	0.102357622	1.231561145	0.694844703	0.057903725	0.694844703	0.057903725	0.694844703	0.057903725
545	1.493150685	1.472351691	0.122695974	1.476295528	0.830971588	0.069247632	0.830971588	0.069247632	0.830971588	0.069247632
730	2	1.665438926	0.138786577	1.669931711	0.937355651	0.078112971	0.937355651	0.078112971	0.937355651	0.078112971
1095	3	1.953813575	0.162817798	1.959152617	1.093916835	0.091159736	1.093916835	0.091159736	1.093916835	0.091159736
1460	4	2.170566014	0.180880501	2.176555303	1.21012182	0.100843485	1.21012182	0.100843485	1.21012182	0.100843485
1825	5	2.348342085	0.195695174	2.354868095	1.304831695	0.108735975	1.304831695	0.108735975	1.304831695	0.108735975
3650	10	2.930513829	0.244209486	2.938786752	1.613359348	0.134446612	1.613359348	0.134446612	1.613359348	0.134446612
7300	20	3.484209415	0.290350785	3.494116457	1.905480561	0.158790047	1.905480561	0.158790047	1.905480561	0.158790047
18250	50	4.083876621	0.340323052	4.095534135	2.220619827	0.185051652	2.220619827	0.185051652	2.220619827	0.185051652

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.356132101	0.029677675	0.357076697	0.201734939	0.016811245	0.201734939	0.016811245	
45	0.123287671	0.436170965	0.03634758	0.437327853	0.247073832	0.020589486	0.247073832	0.020589486	
60	0.164383562	0.503646848	0.041970571	0.504982707	0.285296287	0.023774691	0.285296287	0.023774691	
110	0.301369863	0.681941055	0.056828421	0.683749818	0.386292999	0.032191083	0.386292999	0.032191083	
140	0.383561644	0.769333267	0.064111106	0.771373827	0.435797277	0.03631644	0.435797277	0.03631644	
180	0.493150685	0.872341929	0.072695161	0.874655706	0.494147664	0.041178972	0.494147664	0.041178972	
365	1	1.228291459	0.102357622	1.231561145	0.694844703	0.057903725	0.694844703	0.057903725	
545	1.493150685	1.472351691	0.122695974	1.476295528	0.830971588	0.069247632	0.830971588	0.069247632	
730	2	1.665438926	0.138786577	1.669931711	0.937355651	0.078112971	0.937355651	0.078112971	
1095	3	1.953813575	0.162817798	1.959152617	1.093916835	0.091159736	1.093916835	0.091159736	
1460	4	2.170566014	0.180880501	2.176555303	1.21012182	0.100843485	1.21012182	0.100843485	
1825	5	2.348342085	0.195695174	2.354868095	1.304831695	0.108735975	1.304831695	0.108735975	
3650	10	2.930513829	0.244209486	2.938786752	1.613359348	0.134446612	1.613359348	0.134446612	
7300	20	3.484209415	0.290350785	3.494116457	1.905480561	0.158790047	1.905480561	0.158790047	
18250	50	4.083876621	0.340323052	4.095534135	2.220619827	0.185051652	2.220619827	0.185051652	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1
(from SETANL)

Total layer sett@ 30 days: 0.665 in
 Total layer sett@ 45: 0.667
 Total layer sett@ 60: 0.468
 Total layer sett@ 110: 0.465
 Total layer sett@ 140: 0.405
 Total layer sett@ 180: 0.364
 Total layer sett@ 365: 0.353
 Total layer sett@ 545: 0.353
 Total layer sett@ 730: 0.353
 Total layer sett@ 1095: 0.353
 Total layer sett@ 1460: 0.353
 Total layer sett@ 1825: 0.353
 Total layer sett@ 3650: 0.353
 Total layer sett@ 20: 0.353
 Total layer sett@ 50: 0.353
 Cv: 0.02 ft²/day
 Hdr: 2 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.29061788	0.291492	0.204525	0.203214	0.176993	0.159075	0.154268	0.154268	0.154268	0.154268	0.154268
45	0.225	53.52372	0.35593276	0.357003	0.250491	0.248885	0.216771	0.194826	0.188939	0.188939	0.188939	0.188939	0.188939
60	0.3	61.33192	0.40785726	0.409084	0.287033	0.285193	0.248394	0.223248	0.216502	0.216502	0.216502	0.216502	0.216502
110	0.55	79.13589	0.52625369	0.527836	0.370356	0.367982	0.3205	0.288055	0.27935	0.27935	0.27935	0.27935	0.27935
140	0.7	85.59119	0.56918142	0.570893	0.400567	0.397999	0.346644	0.311552	0.302137	0.302137	0.302137	0.302137	0.302137
180	0.9	91.20439	0.60650921	0.608333	0.426837	0.4241	0.369378	0.331984	0.321952	0.321952	0.321952	0.321952	0.321952
365	1.825	99.1029	0.65903429	0.661016	0.463802	0.460828	0.401367	0.360735	0.349833	0.349833	0.349833	0.349833	0.349833
545	2.725	99.90268	0.66435281	0.666351	0.467545	0.464547	0.404606	0.363646	0.352656	0.352656	0.352656	0.352656	0.352656
730	3.65	99.99007	0.66493399	0.666934	0.467954	0.464954	0.40496	0.363964	0.352965	0.352965	0.352965	0.352965	0.352965
1095	5.475	99.99989	0.66499927	0.666999	0.467999	0.464999	0.405	0.364	0.353	0.353	0.353	0.353	0.353
1460	7.3	100	0.66499999	0.667	0.468	0.465	0.405	0.364	0.353	0.353	0.353	0.353	0.353
1825	9.125	100	0.665	0.667	0.468	0.465	0.405	0.364	0.353	0.353	0.353	0.353	0.353
3650	18.25	100	0.665	0.667	0.468	0.465	0.405	0.364	0.353	0.353	0.353	0.353	0.353
7300	36.5	100	0.665	0.667	0.468	0.465	0.405	0.364	0.353	0.353	0.353	0.353	0.353
18250	91.25	100	0.665	0.667	0.468	0.465	0.405	0.364	0.353	0.353	0.353	0.353	0.353

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1
(from SETANL)

Total layer sett@ 30 days: 0.665 in
 Total layer sett@ 45: 0.667
 Total layer sett@ 60: 0.468
 Total layer sett@ 110: 0.465
 Total layer sett@ 140: 0.405
 Total layer sett@ 180: 0.364
 Total layer sett@ 365: 0.353
 Total layer sett@ 545: 0.353
 Total layer sett@ 730: 0.353
 Total layer sett@ 1095: 0.353
 Total layer sett@ 1460: 0.353
 Total layer sett@ 1825: 0.353
 Total layer sett@ 3650: 0.353
 Total layer sett@ 20: 0.353
 Total layer sett@ 50: 0.353
 Cv: 0.02 ft²/day
 Hdr: 2 ft

Total layer sett@ 30 days: 0.31
 Total layer sett@ 45: 0.311
 Total layer sett@ 60: 0.195
 Total layer sett@ 110: 0.193
 Total layer sett@ 140: 0.162
 Total layer sett@ 180: 0.141
 Total layer sett@ 365: 0.136
 Total layer sett@ 545: 0.136
 Total layer sett@ 730: 0.136
 Total layer sett@ 1095: 0.136
 Total layer sett@ 1460: 0.136
 Total layer sett@ 1825: 0.136
 Total layer sett@ 3650: 0.136
 Total layer sett@ 20: 0.136
 Total layer sett@ 50: 0.136
 Cv: 0.04
 Hdr: 5.83

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.29061788	0.291492	0.204525	0.15426784	0.154268	0.154268	0.154268	30	0.035306	21.2020145
45	0.225	53.52372	0.35593276	0.357003	0.250491	0.18893874	0.188939	0.188939	0.188939	45	0.052958	25.9670585
60	0.3	61.33192	0.40785726	0.409084	0.287033	0.21650167	0.216502	0.216502	0.216502	60	0.070611	29.9841765
110	0.55	79.13589	0.52625369	0.527836	0.370356	0.2793497	0.27935	0.27935	0.27935	110	0.129454	40.5987669
140	0.7	85.59119	0.56918142	0.570893	0.400567	0.3021369	0.302137	0.302137	0.302137	140	0.16476	45.8015861
180	0.9	91.20439	0.60650921	0.608333	0.426837	0.32195151	0.321952	0.321952	0.321952	180	0.211834	51.9341171
365	1.825	99.1029	0.65903429	0.661016	0.463802	0.34983324	0.349833	0.349833	0.349833	365	0.429552	71.9135196
545	2.725	99.90268	0.66435281	0.666351	0.467545	0.35265645	0.352656	0.352656	0.352656	545	0.641386	83.3485761
730	3.65	99.99007	0.66493399	0.666934	0.467954	0.35296496	0.352965	0.352965	0.352965	730	0.859104	90.2703189
1095	5.475	99.99989	0.66499927	0.666999	0.467999	0.35299961	0.353	0.353	0.353	1095	1.288656	96.6294569
1460	7.3	100	0.66499999	0.667	0.468	0.353	0.353	0.353	0.353	1460	1.718208	98.8323809
1825	9.125	100	0.665	0.667	0.468	0.353	0.353	0.353	0.353	1825	2.14776	99.595515
3650	18.25	100	0.665	0.667	0.468	0.353	0.353	0.353	0.353	3650	4.29552	99.9979821
7300	36.5	100	0.665	0.667	0.468	0.353	0.353	0.353	0.353	7300	8.59104	99.9999999
18250	91.25	100	0.665	0.667	0.468	0.353	0.353	0.353	0.353	18250	21.4776	100

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

		Layer 1					Layer 2							
Total layer sett@ 30 days:		0.665 in	(from SETANL)		in	(from SETANL)								
Total layer sett@ 45:		0.667												
Total layer sett@ 60:		0.468												
Total layer sett@ 110:		0.465												
Total layer sett@ 140:		0.405												
Total layer sett@ 180:		0.364												
Total layer sett@ 365:		0.353												
Total layer sett@ 545:		0.353												
Total layer sett@ 730:		0.353												
Total layer sett@ 1095:		0.353												
Total layer sett@ 1460:		0.353												
Total layer sett@ 1825:		0.353												
Total layer sett@ 3650:		0.353												
Total layer sett@ 20:		0.353												
Total layer sett@ 50:		0.353												
Cv:		0.02 ft ² /day					ft ² /day							
Hdr:		2 ft					ft							
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0.15	43.70194	0.29061788	0.291492	0.204525	0.065726	0.065938	0.041344	0.04092	0.034347	0.029895	0.028835	0.028835	
45	0.225	53.52372	0.35593276	0.357003	0.250491	0.080498	0.080758	0.050636	0.050116	0.042067	0.036614	0.035315	0.035315	
60	0.3	61.33192	0.40785726	0.409084	0.287033	0.092951	0.093251	0.058469	0.057869	0.048574	0.042278	0.040778	0.040778	
110	0.55	79.13589	0.52625369	0.527836	0.370356	0.125856	0.126262	0.079168	0.078356	0.06577	0.057244	0.055214	0.055214	
140	0.7	85.59119	0.56918142	0.570893	0.400567	0.141985	0.142443	0.089313	0.088397	0.074199	0.06458	0.06229	0.06229	
180	0.9	91.20439	0.60650921	0.608333	0.426837	0.160996	0.161515	0.101272	0.100233	0.084133	0.073227	0.07063	0.07063	
365	1.825	99.1029	0.65903429	0.661016	0.463802	0.222932	0.223651	0.140231	0.138793	0.1165	0.101398	0.097802	0.097802	
545	2.725	99.90268	0.66435281	0.666351	0.467545	0.258381	0.259214	0.16253	0.160863	0.135025	0.117521	0.113354	0.113354	
730	3.65	99.99007	0.66493399	0.666934	0.467954	0.279838	0.280741	0.176027	0.174222	0.146238	0.127281	0.122768	0.122768	
1095	5.475	99.99989	0.66499927	0.666999	0.467999	0.299551	0.300518	0.188427	0.186495	0.15654	0.136248	0.131416	0.131416	
1460	7.3	100	0.66499999	0.667	0.468	0.30638	0.307369	0.192723	0.190746	0.160108	0.139354	0.134412	0.134412	
1825	9.125	100	0.665	0.667	0.468	0.308746	0.309742	0.194211	0.192219	0.161345	0.14043	0.13545	0.13545	
3650	18.25	100	0.665	0.667	0.468	0.309994	0.310994	0.194996	0.192996	0.161997	0.140997	0.135997	0.135997	
7300	36.5	100	0.665	0.667	0.468	0.31	0.311	0.195	0.193	0.162	0.141	0.136	0.136	
18250	91.25	100	0.665	0.667	0.468	0.31	0.311	0.195	0.193	0.162	0.141	0.136	0.136	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

		Layer 1			
Total layer sett@ 30 days:	0.665 in	(from SETANL)	al layer sett@ 30 days:	0.469 in	
Total layer sett@ 45:	0.667		Total layer sett@ 45:	0.471	
Total layer sett@ 60:	0.468		Total layer sett@ 60:	0.274	
Total layer sett@ 110:	0.465		Total layer sett@ 110:	0.272	
Total layer sett@ 140:	0.405		Total layer sett@ 140:	0.223	
Total layer sett@ 180:	0.364		Total layer sett@ 180:	0.192	
Total layer sett@ 365:	0.353		Total layer sett@ 365:	0.185	
Total layer sett@ 545:	0.353		Total layer sett@ 545:	0.185	
Total layer sett@ 730:	0.353		Total layer sett@ 730:	0.185	
Total layer sett@ 1095:	0.353		otal layer sett@ 1095:	0.185	
Total layer sett@ 1460:	0.353		otal layer sett@ 1460:	0.185	
Total layer sett@ 1825:	0.353		otal layer sett@ 1825:	0.185	
Total layer sett@ 3650:	0.353		otal layer sett@ 3650:	0.185	
Total layer sett@ 20:	0.353		Total layer sett@ 20:	0.185	
Total layer sett@ 50:	0.353		Total layer sett@ 50:	0.185	
Cv:	0.02 ft ² /day		Cv:	0.04 ft ² /day	
Hdr:	2 ft		Hdr:	7 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.29061788	0.291492	0.204525	30	0.02449	17.65825	0.082817	0.08317	0.048384	0.04803	0.039378
45	0.225	53.52372	0.35593276	0.357003	0.250491	45	0.036735	21.62685	0.10143	0.101862	0.059258	0.058825	0.048228
60	0.3	61.33192	0.40785726	0.409084	0.287033	60	0.04898	24.97254	0.117121	0.117621	0.068425	0.067925	0.055689
110	0.55	79.13589	0.52625369	0.527836	0.370356	110	0.089796	33.81297	0.158583	0.159259	0.092648	0.091971	0.075403
140	0.7	85.59119	0.56918142	0.570893	0.400567	140	0.114286	38.14618	0.178906	0.179668	0.104521	0.103758	0.085066
180	0.9	91.20439	0.60650921	0.608333	0.426837	180	0.146939	43.2537	0.20286	0.203725	0.118515	0.11765	0.096456
365	1.825	99.1029	0.65903429	0.661016	0.463802	365	0.297959	61.13667	0.286731	0.287954	0.167514	0.166292	0.136335
545	2.725	99.90268	0.66435281	0.666351	0.467545	545	0.444898	72.95734	0.34217	0.343629	0.199903	0.198444	0.162695
730	3.65	99.99007	0.66493399	0.666934	0.467954	730	0.595918	81.37124	0.381631	0.383259	0.222957	0.22133	0.181458
1095	5.475	99.99989	0.66499927	0.666999	0.467999	1095	0.893878	91.07048	0.427121	0.428942	0.249533	0.247712	0.203087
1460	7.3	100	0.66499999	0.667	0.468	1460	1.191837	95.71972	0.448926	0.45084	0.262272	0.260358	0.213455
1825	9.125	100	0.665	0.667	0.468	1825	1.489796	97.94829	0.459377	0.461336	0.268378	0.266419	0.218425
3650	18.25	100	0.665	0.667	0.468	3650	2.979592	99.94808	0.468756	0.470755	0.273858	0.271859	0.222884
7300	36.5	100	0.665	0.667	0.468	7300	5.959184	99.99997	0.469	0.471	0.274	0.272	0.223
18250	91.25	100	0.665	0.667	0.468	18250	14.89796	100	0.469	0.471	0.274	0.272	0.223

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1								Layer 4			
Total layer sett@ 30 days:	0.665 in		(from SETANL)		(from SETANL)			Total layer sett@ 30 days:	3.644 in		
Total layer sett@ 45:	0.667							Total layer sett@ 45:	3.661		
Total layer sett@ 60:	0.468							Total layer sett@ 60:	2.05		
Total layer sett@ 110:	0.465							Total layer sett@ 110:	2.031		
Total layer sett@ 140:	0.405							Total layer sett@ 140:	1.649		
Total layer sett@ 180:	0.364							Total layer sett@ 180:	1.416		
Total layer sett@ 365:	0.353							Total layer sett@ 365:	1.358		
Total layer sett@ 545:	0.353							Total layer sett@ 545:	1.358		
Total layer sett@ 730:	0.353							Total layer sett@ 730:	1.358		
Total layer sett@ 1095:	0.353							Total layer sett@ 1095:	1.358		
Total layer sett@ 1460:	0.353							Total layer sett@ 1460:	1.358		
Total layer sett@ 1825:	0.353							Total layer sett@ 1825:	1.358		
Total layer sett@ 3650:	0.353							Total layer sett@ 3650:	1.358		
Total layer sett@ 20:	0.353							Total layer sett@ 20:	1.358		
Total layer sett@ 50:	0.353							Total layer sett@ 50:	1.358		
Cv:	0.02 ft ² /day							Cv:	0.04 ft ² /day		
Hdr:	2 ft							Hdr:	14 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.29061788	0.291492	0.204525	0.032668	0.032668	30	0.006122	8.829125	0.321733
45	0.225	53.52372	0.35593276	0.357003	0.250491	0.04001	0.04001	45	0.009184	10.81343	0.394041
60	0.3	61.33192	0.40785726	0.409084	0.287033	0.046199	0.046199	60	0.012245	12.48627	0.455
110	0.55	79.13589	0.52625369	0.527836	0.370356	0.062554	0.062554	110	0.022449	16.90649	0.616072
140	0.7	85.59119	0.56918142	0.570893	0.400567	0.07057	0.07057	140	0.028571	19.07309	0.695023
180	0.9	91.20439	0.60650921	0.608333	0.426837	0.080019	0.080019	180	0.036735	21.62685	0.788082
365	1.825	99.1029	0.65903429	0.661016	0.463802	0.113103	0.113103	365	0.07449	30.79665	1.12223
545	2.725	99.90268	0.66435281	0.666351	0.467545	0.134971	0.134971	545	0.111224	37.63182	1.371304
730	3.65	99.99007	0.66493399	0.666934	0.467954	0.150537	0.150537	730	0.14898	43.55304	1.587073
1095	5.475	99.99989	0.66499927	0.666999	0.467999	0.16848	0.16848	1095	0.223469	53.34136	1.943759
1460	7.3	100	0.66499999	0.667	0.468	0.177081	0.177081	1460	0.297959	61.13667	2.22782
1825	9.125	100	0.665	0.667	0.468	0.181204	0.181204	1825	0.372449	67.66291	2.465636
3650	18.25	100	0.665	0.667	0.468	0.184904	0.184904	3650	0.744898	87.10249	3.174015
7300	36.5	100	0.665	0.667	0.468	0.185	0.185	7300	1.489796	97.94829	3.569236
18250	91.25	100	0.665	0.667	0.468	0.185	0.185	18250	3.72449	99.99174	3.643699

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1		
Total layer sett@ 30 days:	0.665 in	(from SETANL)	(from SETANL)
Total layer sett@ 45:	0.667		
Total layer sett@ 60:	0.468		
Total layer sett@ 110:	0.465		
Total layer sett@ 140:	0.405		
Total layer sett@ 180:	0.364		
Total layer sett@ 365:	0.353		
Total layer sett@ 545:	0.353		
Total layer sett@ 730:	0.353		
Total layer sett@ 1095:	0.353		
Total layer sett@ 1460:	0.353		
Total layer sett@ 1825:	0.353		
Total layer sett@ 3650:	0.353		
Total layer sett@ 20:	0.353		
Total layer sett@ 50:	0.353		
Cv:	0.02 ft ² /day		
Hdr:	2 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.29061788	0.291492	0.204525	0.323234	0.180997	0.17932	0.145592	0.12502	0.1199	0.1199	0.1199
45	0.225	53.52372	0.35593276	0.357003	0.250491	0.395879	0.221675	0.219621	0.178313	0.153118	0.146846	0.146846	0.146846
60	0.3	61.33192	0.40785726	0.409084	0.287033	0.457122	0.255968	0.253596	0.205899	0.176806	0.169564	0.169564	0.169564
110	0.55	79.13589	0.52625369	0.527836	0.370356	0.618946	0.346583	0.343371	0.278788	0.239396	0.22959	0.22959	0.22959
140	0.7	85.59119	0.56918142	0.570893	0.400567	0.698266	0.390998	0.387374	0.314515	0.270075	0.259013	0.259013	0.259013
180	0.9	91.20439	0.60650921	0.608333	0.426837	0.791759	0.44335	0.439241	0.356627	0.306236	0.293693	0.293693	0.293693
365	1.825	99.1029	0.65903429	0.661016	0.463802	1.127465	0.631331	0.62548	0.507837	0.436081	0.418218	0.418218	0.418218
545	2.725	99.90268	0.66435281	0.666351	0.467545	1.377701	0.771452	0.764302	0.620549	0.532867	0.51104	0.51104	0.51104
730	3.65	99.99007	0.66493399	0.666934	0.467954	1.594477	0.892837	0.884562	0.71819	0.616711	0.59145	0.59145	0.59145
1095	5.475	99.99989	0.66499927	0.666999	0.467999	1.952827	1.093498	1.083363	0.879599	0.755314	0.724376	0.724376	0.724376
1460	7.3	100	0.66499999	0.667	0.468	2.238214	1.253302	1.241686	1.008144	0.865695	0.830236	0.830236	0.830236
1825	9.125	100	0.665	0.667	0.468	2.477139	1.38709	1.374234	1.115761	0.958107	0.918862	0.918862	0.918862
3650	18.25	100	0.665	0.667	0.468	3.188822	1.785601	1.769052	1.43632	1.233371	1.182852	1.182852	1.182852
7300	36.5	100	0.665	0.667	0.468	3.585887	2.00794	1.98933	1.615167	1.386948	1.330138	1.330138	1.330138
18250	91.25	100	0.665	0.667	0.468	3.660698	2.049831	2.030832	1.648864	1.415883	1.357888	1.357888	1.357888

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

	Layer 1			Layer 5		
Total layer sett@ 30 days:	0.665 in	(from SETANL)	@ 30 days:	4.143 in	(from SETANL)	
Total layer sett@ 45:	0.667		r sett@ 45:	4.164		
Total layer sett@ 60:	0.468		r sett@ 60:	2.284		
Total layer sett@ 110:	0.465		sett@ 110:	2.262		
Total layer sett@ 140:	0.405		sett@ 140:	1.828		
Total layer sett@ 180:	0.364		sett@ 180:	1.565		
Total layer sett@ 365:	0.353		sett@ 365:	1.499		
Total layer sett@ 545:	0.353		sett@ 545:	1.499		
Total layer sett@ 730:	0.353		sett@ 730:	1.499		
Total layer sett@ 1095:	0.353		ett@ 1095:	1.499		
Total layer sett@ 1460:	0.353		ett@ 1460:	1.499		
Total layer sett@ 1825:	0.353		ett@ 1825:	1.499		
Total layer sett@ 3650:	0.353		ett@ 3650:	1.499		
Total layer sett@ 20:	0.353		r sett@ 20:	1.499		
Total layer sett@ 50:	0.353		r sett@ 50:	1.499		
Cv:	0.02 ft ² /day		Cv:	0.04 ft ² /day		
Hdr:	2 ft		Hdr:	45 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.29061788	0.291492	0.204525	0.000593	2.746839	0.113802	0.114378	0.062738	0.062133	0.050212	0.042988
45	0.225	53.52372	0.35593276	0.357003	0.250491	0.000889	3.364177	0.139378	0.140084	0.076838	0.076098	0.061497	0.052649
60	0.3	61.33192	0.40785726	0.409084	0.287033	0.001185	3.884617	0.16094	0.161755	0.088725	0.08787	0.071011	0.060794
110	0.55	79.13589	0.52625369	0.527836	0.370356	0.002173	5.259796	0.217913	0.219018	0.120134	0.118977	0.096149	0.082316
140	0.7	85.59119	0.56918142	0.570893	0.400567	0.002765	5.93385	0.245839	0.247086	0.135529	0.134224	0.108471	0.092865
180	0.9	91.20439	0.60650921	0.608333	0.426837	0.003556	6.728353	0.278756	0.280169	0.153676	0.152195	0.122994	0.105299
365	1.825	99.1029	0.65903429	0.661016	0.463802	0.00721	9.581179	0.396948	0.39896	0.218834	0.216726	0.175144	0.149945
545	2.725	99.90268	0.66435281	0.666351	0.467545	0.010765	11.70768	0.485049	0.487508	0.267403	0.264828	0.214016	0.183225
730	3.65	99.99007	0.66493399	0.666934	0.467954	0.01442	13.54983	0.56137	0.564215	0.309478	0.306497	0.247691	0.212055
1095	5.475	99.99989	0.66499927	0.666999	0.467999	0.02163	16.59509	0.687535	0.69102	0.379032	0.375381	0.303358	0.259713
1460	7.3	100	0.66499999	0.667	0.468	0.02884	19.16236	0.793897	0.797921	0.437668	0.433453	0.350288	0.299891
1825	9.125	100	0.665	0.667	0.468	0.036049	21.42417	0.887603	0.892102	0.489328	0.484615	0.391634	0.335288
3650	18.25	100	0.665	0.667	0.468	0.072099	30.29835	1.255261	1.261623	0.692014	0.685349	0.553854	0.474169
7300	36.5	100	0.665	0.667	0.468	0.144198	42.84834	1.775207	1.784205	0.978656	0.969229	0.783268	0.670576
18250	91.25	100	0.665	0.667	0.468	0.360494	66.6946	2.763157	2.777163	1.523305	1.508632	1.219177	1.04377

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft

Layer 1			Layer 6		
Total layer sett@ 30 days:	0.665 in	(from SETANL)	Total layer sett@ 30 days:	in	(from SETA
Total layer sett@ 45:	0.667		Total layer sett@ 45:		
Total layer sett@ 60:	0.468		Total layer sett@ 60:		
Total layer sett@ 110:	0.465		Total layer sett@ 110:		
Total layer sett@ 140:	0.405		Total layer sett@ 140:		
Total layer sett@ 180:	0.364		Total layer sett@ 180:		
Total layer sett@ 365:	0.353		Total layer sett@ 365:		
Total layer sett@ 545:	0.353		Total layer sett@ 545:		
Total layer sett@ 730:	0.353		Total layer sett@ 730:		
Total layer sett@ 1095:	0.353		Total layer sett@ 1095:		
Total layer sett@ 1460:	0.353		Total layer sett@ 1460:		
Total layer sett@ 1825:	0.353		Total layer sett@ 1825:		
Total layer sett@ 3650:	0.353		Total layer sett@ 3650:		
Total layer sett@ 20:	0.353		Total layer sett@ 20:		
Total layer sett@ 50:	0.353		Total layer sett@ 50:		
Cv:	0.02 ft ² /day		Cv:	ft ² /day	
Hdr:	2 ft		Hdr:	ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr	time, t (days)	Tv	U	Sett@30	Sett@45
0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.29061788	0.291492	0.204525	0.041175	30	#DIV/0!	#DIV/0!		
45	0.225	53.52372	0.35593276	0.357003	0.250491	0.050429	45	#DIV/0!	#DIV/0!		
60	0.3	61.33192	0.40785726	0.409084	0.287033	0.05823	60	#DIV/0!	#DIV/0!		
110	0.55	79.13589	0.52625369	0.527836	0.370356	0.078844	110	#DIV/0!	#DIV/0!		
140	0.7	85.59119	0.56918142	0.570893	0.400567	0.088948	140	#DIV/0!	#DIV/0!		
180	0.9	91.20439	0.60650921	0.608333	0.426837	0.100858	180	#DIV/0!	#DIV/0!		
365	1.825	99.1029	0.65903429	0.661016	0.463802	0.143622	365	#DIV/0!	#DIV/0!		
545	2.725	99.90268	0.66435281	0.666351	0.467545	0.175498	545	#DIV/0!	#DIV/0!		
730	3.65	99.99007	0.66493399	0.666934	0.467954	0.203112	730	#DIV/0!	#DIV/0!		
1095	5.475	99.99989	0.66499927	0.666999	0.467999	0.24876	1095	#DIV/0!	#DIV/0!		
1460	7.3	100	0.66499999	0.667	0.468	0.287244	1460	#DIV/0!	#DIV/0!		
1825	9.125	100	0.665	0.667	0.468	0.321148	1825	#DIV/0!	#DIV/0!		
3650	18.25	100	0.665	0.667	0.468	0.454172	3650	#DIV/0!	#DIV/0!		
7300	36.5	100	0.665	0.667	0.468	0.642297	7300	#DIV/0!	#DIV/0!		
18250	91.25	100	0.665	0.667	0.468	0.999752	18250	#DIV/0!	#DIV/0!		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.874696148	0.072891346	0.878213159	0.07318443	0.53798745	0.044832287	0.533617348	0.044468112
45	0.123287671	1.071279621	0.089273302	1.075587062	0.089632255	0.65889737	0.054908114	0.65354511	0.054462093
60	0.164383562	1.233868662	0.102822388	1.238833028	0.103236086	0.758620403	0.063218367	0.752454305	0.062704525
110	0.301369863	1.644678422	0.137056535	1.651322047	0.137610171	1.008887833	0.084073986	1.000656134	0.083388011
140	0.383561644	1.830934682	0.15257789	1.838355979	0.153196332	1.120927854	0.093410655	1.111751829	0.092645986
180	0.493150685	2.037202934	0.169766911	2.045500956	0.170458413	1.243649248	0.103637437	1.23342002	0.102785002
365	1	2.687875315	0.22398961	2.699046719	0.22492056	1.621712846	0.135142737	1.608119532	0.134009961
545	1.493150685	3.121256135	0.260104678	3.134402844	0.261200237	1.868833154	0.155736096	1.852984219	0.154415352
730	2	3.474845398	0.28957045	3.489624809	0.290802067	2.069253339	0.172437778	2.051564765	0.17096373
1095	3	4.022964851	0.335247071	4.040305553	0.336692129	2.378489765	0.19820748	2.357949992	0.196495833
1460	4	4.442022702	0.370168559	4.46134275	0.371778563	2.613965216	0.217830435	2.591242487	0.215936874
1825	5	4.786363182	0.398863599	4.807319873	0.400609989	2.807007156	0.233917263	2.782487011	0.231873918
3650	10	5.873025531	0.489418794	5.899194548	0.491599546	3.414469116	0.284539093	3.384255085	0.282021257
7300	20	6.788442157	0.565703513	6.819091517	0.568257626	3.923595884	0.326966324	3.888559075	0.32404659
18250	50	7.850856305	0.654238025	7.886860767	0.657238397	4.510135346	0.375844612	4.469464103	0.372455342

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days			Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.874696148	0.072891346	0.878213159	0.446522483	0.037210207	0.390882162	0.032573513		
45	0.123287671	1.071279621	0.089273302	1.075587062	0.546876121	0.04557301	0.478730923	0.039894244		
60	0.164383562	1.233868662	0.102822388	1.238833028	0.629566738	0.052463895	0.551072942	0.045922745		
110	0.301369863	1.644678422	0.137056535	1.651322047	0.836610331	0.069717528	0.731931476	0.06099429		
140	0.383561644	1.830934682	0.15257789	1.838355979	0.928894887	0.077407907	0.812312527	0.067692711		
180	0.493150685	2.037202934	0.169766911	2.045500956	1.029587873	0.085798989	0.89979313	0.074982761		
365	1	2.687875315	0.22398961	2.699046719	1.337182117	0.111431843	1.165541028	0.097128419		
545	1.493150685	3.121256135	0.260104678	3.134402844	1.536890562	0.128074213	1.337337141	0.111444762		
730	2	3.474845398	0.28957045	3.489624809	1.698536132	0.141544678	1.47624371	0.123020309		
1095	3	4.022964851	0.335247071	4.040305553	1.947583707	0.162298642	1.690129264	0.140844105		
1460	4	4.442022702	0.370168559	4.46134275	2.136995064	0.178082922	1.852721702	0.154393475		
1825	5	4.786363182	0.398863599	4.807319873	2.292164546	0.191013712	1.985885383	0.165490449		
3650	10	5.873025531	0.489418794	5.899194548	2.780054809	0.231671234	2.404437871	0.200369823		
7300	20	6.788442157	0.565703513	6.819091517	3.188434839	0.265702903	2.754524206	0.229543684		
18250	50	7.850856305	0.654238025	7.886860767	3.65804109	0.304836758	3.156653537	0.263054461		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	0.874696148	0.072891346	0.878213159	0.376844965	0.031403747	0.376844965	0.031403747	0.376844965	0.031403747	0.376844965	
45	0.123287671	1.071279621	0.089273302	1.075587062	0.461538938	0.038461578	0.461538938	0.038461578	0.461538938	0.038461578	0.461538938	
60	0.164383562	1.233868662	0.102822388	1.238833028	0.531273263	0.044272772	0.531273263	0.044272772	0.531273263	0.044272772	0.531273263	
110	0.301369863	1.644678422	0.137056535	1.651322047	0.705552454	0.058796038	0.705552454	0.058796038	0.705552454	0.058796038	0.705552454	
140	0.383561644	1.830934682	0.152577789	1.838355979	0.782958452	0.065246538	0.782958452	0.065246538	0.782958452	0.065246538	0.782958452	
180	0.493150685	2.037202934	0.169766911	2.045500956	0.867151896	0.072262658	0.867151896	0.072262658	0.867151896	0.072262658	0.867151896	
365	1	2.687875315	0.22398961	2.699046719	1.122578831	0.093548236	1.122578831	0.093548236	1.122578831	0.093548236	1.122578831	
545	1.493150685	3.121256135	0.260104678	3.134402844	1.287519878	0.107293323	1.287519878	0.107293323	1.287519878	0.107293323	1.287519878	
730	2	3.474845398	0.28957045	3.489624809	1.420831647	0.118402637	1.420831647	0.118402637	1.420831647	0.118402637	1.420831647	
1095	3	4.022964851	0.335247071	4.040305553	1.626032121	0.135502677	1.626032121	0.135502677	1.626032121	0.135502677	1.626032121	
1460	4	4.442022702	0.370168559	4.46134275	1.781973276	0.148497773	1.781973276	0.148497773	1.781973276	0.148497773	1.781973276	
1825	5	4.786363182	0.398863599	4.807319873	1.90966479	0.159138733	1.90966479	0.159138733	1.90966479	0.159138733	1.90966479	
3650	10	5.873025531	0.489418794	5.899194548	2.310925253	0.192577104	2.310925253	0.192577104	2.310925253	0.192577104	2.310925253	
7300	20	6.788442157	0.565703513	6.819091517	2.646434297	0.220536191	2.646434297	0.220536191	2.646434297	0.220536191	2.646434297	
18250	50	7.850856305	0.654238025	7.886860767	3.031639891	0.252636658	3.031639891	0.252636658	3.031639891	0.252636658	3.031639891	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.874696148	0.072891346	0.878213159	0.031403747	0.376844965	0.031403747	0.376844965	0.031403747
45	0.123287671	1.071279621	0.089273302	1.075587062	0.038461578	0.461538938	0.038461578	0.461538938	0.038461578
60	0.164383562	1.233868662	0.102822388	1.238833028	0.044272772	0.531273263	0.044272772	0.531273263	0.044272772
110	0.301369863	1.644678422	0.137056535	1.651322047	0.058796038	0.705552454	0.058796038	0.705552454	0.058796038
140	0.383561644	1.830934682	0.15257789	1.838355979	0.065246538	0.782958452	0.065246538	0.782958452	0.065246538
180	0.493150685	2.037202934	0.169766911	2.045500956	0.072262658	0.867151896	0.072262658	0.867151896	0.072262658
365	1	2.687875315	0.22398961	2.699046719	0.093548236	1.122578831	0.093548236	1.122578831	0.093548236
545	1.493150685	3.121256135	0.260104678	3.134402844	0.107293323	1.287519878	0.107293323	1.287519878	0.107293323
730	2	3.474845398	0.28957045	3.489624809	0.118402637	1.420831647	0.118402637	1.420831647	0.118402637
1095	3	4.022964851	0.335247071	4.040305553	0.135502677	1.626032121	0.135502677	1.626032121	0.135502677
1460	4	4.442022702	0.370168559	4.46134275	0.148497773	1.781973276	0.148497773	1.781973276	0.148497773
1825	5	4.786363182	0.398863599	4.807319873	0.159138733	1.90966479	0.159138733	1.90966479	0.159138733
3650	10	5.873025531	0.489418794	5.899194548	0.192577104	2.310925253	0.192577104	2.310925253	0.192577104
7300	20	6.788442157	0.565703513	6.819091517	0.220536191	2.646434297	0.220536191	2.646434297	0.220536191
18250	50	7.850856305	0.654238025	7.886860767	0.252636658	3.031639891	0.252636658	3.031639891	0.252636658

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days			Settlement 5 years		Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.874696148	0.072891346	0.878213159	0.376844965	0.031403747	0.376844965	0.031403747	0.376844965	0.031403747
45	0.123287671	1.071279621	0.089273302	1.075587062	0.461538938	0.038461578	0.461538938	0.038461578	0.461538938	0.038461578
60	0.164383562	1.233868662	0.102822388	1.238833028	0.531273263	0.044272772	0.531273263	0.044272772	0.531273263	0.044272772
110	0.301369863	1.644678422	0.137056535	1.651322047	0.705552454	0.058796038	0.705552454	0.058796038	0.705552454	0.058796038
140	0.383561644	1.830934682	0.152577789	1.838355979	0.782958452	0.065246538	0.782958452	0.065246538	0.782958452	0.065246538
180	0.493150685	2.037202934	0.169766911	2.045500956	0.867151896	0.072262658	0.867151896	0.072262658	0.867151896	0.072262658
365	1	2.687875315	0.22398961	2.699046719	1.122578831	0.093548236	1.122578831	0.093548236	1.122578831	0.093548236
545	1.493150685	3.121256135	0.260104678	3.134402844	1.287519878	0.107293323	1.287519878	0.107293323	1.287519878	0.107293323
730	2	3.474845398	0.28957045	3.489624809	1.420831647	0.118402637	1.420831647	0.118402637	1.420831647	0.118402637
1095	3	4.022964851	0.335247071	4.040305553	1.626032121	0.135502677	1.626032121	0.135502677	1.626032121	0.135502677
1460	4	4.442022702	0.370168559	4.46134275	1.781973276	0.148497773	1.781973276	0.148497773	1.781973276	0.148497773
1825	5	4.786363182	0.398863599	4.807319873	1.90966479	0.159138733	1.90966479	0.159138733	1.90966479	0.159138733
3650	10	5.873025531	0.489418794	5.899194548	2.310925253	0.192577104	2.310925253	0.192577104	2.310925253	0.192577104
7300	20	6.788442157	0.565703513	6.819091517	2.646434297	0.220536191	2.646434297	0.220536191	2.646434297	0.220536191
18250	50	7.850856305	0.654238025	7.886860767	3.031639891	0.252636658	3.031639891	0.252636658	3.031639891	0.252636658

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.874696148	0.072891346	0.878213159	0.376844965	0.031403747	0.376844965	0.031403747	
45	0.123287671	1.071279621	0.089273302	1.075587062	0.461538938	0.038461578	0.461538938	0.038461578	
60	0.164383562	1.233868662	0.102822388	1.238833028	0.531273263	0.044272772	0.531273263	0.044272772	
110	0.301369863	1.644678422	0.137056535	1.651322047	0.705552454	0.058796038	0.705552454	0.058796038	
140	0.383561644	1.830934682	0.152577789	1.838355979	0.782958452	0.065246538	0.782958452	0.065246538	
180	0.493150685	2.037202934	0.169766911	2.045500956	0.867151896	0.072262658	0.867151896	0.072262658	
365	1	2.687875315	0.22398961	2.699046719	1.122578831	0.093548236	1.122578831	0.093548236	
545	1.493150685	3.121256135	0.260104678	3.134402844	1.287519878	0.107293323	1.287519878	0.107293323	
730	2	3.474845398	0.28957045	3.489624809	1.420831647	0.118402637	1.420831647	0.118402637	
1095	3	4.022964851	0.335247071	4.040305553	1.626032121	0.135502677	1.626032121	0.135502677	
1460	4	4.442022702	0.370168559	4.46134275	1.781973276	0.148497773	1.781973276	0.148497773	
1825	5	4.786363182	0.398863599	4.807319873	1.90966479	0.159138733	1.90966479	0.159138733	
3650	10	5.873025531	0.489418794	5.899194548	2.310925253	0.192577104	2.310925253	0.192577104	
7300	20	6.788442157	0.565703513	6.819091517	2.646434297	0.220536191	2.646434297	0.220536191	
18250	50	7.850856305	0.654238025	7.886860767	3.031639891	0.252636658	3.031639891	0.252636658	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft												
Layer 1												
Total layer sett@ 30 days:		0.485 in		(from SETANL)		Total layer sett@ 30 days:		0.204				
Total layer sett@ 45:		0.487				Total layer sett@ 45:		0.205				
Total layer sett@ 60:		0.286				Total layer sett@ 60:		0.106				
Total layer sett@ 110:		0.286				Total layer sett@ 110:		0.106				
Total layer sett@ 140:		0.274				Total layer sett@ 140:		0.1				
Total layer sett@ 180:		0.274				Total layer sett@ 180:		0.1				
Total layer sett@ 365:		0.274				Total layer sett@ 365:		0.1				
Total layer sett@ 545:		0.274				Total layer sett@ 545:		0.1				
Total layer sett@ 730:		0.274				Total layer sett@ 730:		0.1				
Total layer sett@ 1095:		0.274				Total layer sett@ 1095:		0.1				
Total layer sett@ 1460:		0.274				Total layer sett@ 1460:		0.1				
Total layer sett@ 1825:		0.274				Total layer sett@ 1825:		0.1				
Total layer sett@ 3650:		0.274				Total layer sett@ 3650:		0.1				
Total layer sett@ 20:		0.274				Total layer sett@ 20:		0.1				
Total layer sett@ 50:		0.274				Total layer sett@ 50:		0.1				
Cv:		0.02 ft ² /day				Cv:		0.04				
Hdr:		2 ft				Hdr:		5.83				
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.2119544	0.212828	0.124988	0.11974331	0.119743	0.119743	0.119743	30	0.035306	21.2020145
45	0.225	53.52372	0.25959006	0.260661	0.153078	0.146655	0.146655	0.146655	0.146655	45	0.052958	25.9670585
60	0.3	61.33192	0.2974598	0.298686	0.175409	0.16804946	0.168049	0.168049	0.168049	60	0.070611	29.9841765
110	0.55	79.13589	0.38380908	0.385392	0.226329	0.21683235	0.216832	0.216832	0.216832	110	0.129454	40.5987669
140	0.7	85.59119	0.41511728	0.416829	0.244791	0.23451986	0.23452	0.23452	0.23452	140	0.16476	45.8015861
180	0.9	91.20439	0.44234131	0.444165	0.260845	0.24990004	0.2499	0.2499	0.2499	180	0.211834	51.9341171
365	1.825	99.1029	0.48064907	0.482631	0.283434	0.27154195	0.271542	0.271542	0.271542	365	0.429552	71.9135196
545	2.725	99.90268	0.48452799	0.486526	0.285722	0.27373334	0.273733	0.273733	0.273733	545	0.641386	83.3485761
730	3.65	99.99007	0.48495186	0.486952	0.285972	0.2739728	0.273973	0.273973	0.273973	730	0.859104	90.2703189
1095	5.475	99.99989	0.48499947	0.486999	0.286	0.2739997	0.274	0.274	0.274	1095	1.288656	96.6294569
1460	7.3	100	0.48499999	0.487	0.286	0.274	0.274	0.274	0.274	1460	1.718208	98.8323809
1825	9.125	100	0.485	0.487	0.286	0.274	0.274	0.274	0.274	1825	2.14776	99.595515
3650	18.25	100	0.485	0.487	0.286	0.274	0.274	0.274	0.274	3650	4.29552	99.9979821
7300	36.5	100	0.485	0.487	0.286	0.274	0.274	0.274	0.274	7300	8.59104	99.9999999
18250	91.25	100	0.485	0.487	0.286	0.274	0.274	0.274	0.274	18250	21.4776	100

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

	Layer 1			Layer 2
Total layer sett@ 30 days:	0.485 in	(from SETANL)	in	(from SETANL)
Total layer sett@ 45:	0.487			
Total layer sett@ 60:	0.286			
Total layer sett@ 110:	0.286			
Total layer sett@ 140:	0.274			
Total layer sett@ 180:	0.274			
Total layer sett@ 365:	0.274			
Total layer sett@ 545:	0.274			
Total layer sett@ 730:	0.274			
Total layer sett@ 1095:	0.274			
Total layer sett@ 1460:	0.274			
Total layer sett@ 1825:	0.274			
Total layer sett@ 3650:	0.274			
Total layer sett@ 20:	0.274			
Total layer sett@ 50:	0.274			
Cv:	0.02 ft ² /day		ft ² /day	
Hdr:	2 ft		ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.2119544	0.212828	0.124988	0.043252	0.043464	0.022474	0.022474	0.021202	0.021202	0.021202	0.021202
45	0.225	53.52372	0.25959006	0.260661	0.153078	0.052973	0.053232	0.027525	0.027525	0.025967	0.025967	0.025967	0.025967
60	0.3	61.33192	0.2974598	0.298686	0.175409	0.061168	0.061468	0.031783	0.031783	0.029984	0.029984	0.029984	0.029984
110	0.55	79.13589	0.38380908	0.385392	0.226329	0.082821	0.083227	0.043035	0.043035	0.040599	0.040599	0.040599	0.040599
140	0.7	85.59119	0.41511728	0.416829	0.244791	0.093435	0.093893	0.04855	0.04855	0.045802	0.045802	0.045802	0.045802
180	0.9	91.20439	0.44234131	0.444165	0.260845	0.105946	0.106465	0.05505	0.05505	0.051934	0.051934	0.051934	0.051934
365	1.825	99.1029	0.48064907	0.482631	0.283434	0.146704	0.147423	0.076228	0.076228	0.071914	0.071914	0.071914	0.071914
545	2.725	99.90268	0.48452799	0.486526	0.285722	0.170031	0.170865	0.088349	0.088349	0.083349	0.083349	0.083349	0.083349
730	3.65	99.99007	0.48495186	0.486952	0.285972	0.184151	0.185054	0.095687	0.095687	0.09027	0.09027	0.09027	0.09027
1095	5.475	99.99989	0.48499947	0.486999	0.286	0.197124	0.19809	0.102427	0.102427	0.096629	0.096629	0.096629	0.096629
1460	7.3	100	0.48499999	0.487	0.286	0.201618	0.202606	0.104762	0.104762	0.098832	0.098832	0.098832	0.098832
1825	9.125	100	0.485	0.487	0.286	0.203175	0.204171	0.105571	0.105571	0.099596	0.099596	0.099596	0.099596
3650	18.25	100	0.485	0.487	0.286	0.203996	0.204996	0.105998	0.105998	0.099998	0.099998	0.099998	0.099998
7300	36.5	100	0.485	0.487	0.286	0.204	0.205	0.106	0.106	0.1	0.1	0.1	0.1
18250	91.25	100	0.485	0.487	0.286	0.204	0.205	0.106	0.106	0.1	0.1	0.1	0.1

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

		Layer 1			
Total layer sett@ 30 days:	0.485 in	(from SETANL)	al layer sett@ 30 days:	0.288 in	
Total layer sett@ 45:	0.487		Total layer sett@ 45:	0.291	
Total layer sett@ 60:	0.286		Total layer sett@ 60:	0.14	
Total layer sett@ 110:	0.286		Total layer sett@ 110:	0.14	
Total layer sett@ 140:	0.274		Total layer sett@ 140:	0.132	
Total layer sett@ 180:	0.274		Total layer sett@ 180:	0.132	
Total layer sett@ 365:	0.274		Total layer sett@ 365:	0.132	
Total layer sett@ 545:	0.274		Total layer sett@ 545:	0.132	
Total layer sett@ 730:	0.274		Total layer sett@ 730:	0.132	
Total layer sett@ 1095:	0.274		otal layer sett@ 1095:	0.132	
Total layer sett@ 1460:	0.274		otal layer sett@ 1460:	0.132	
Total layer sett@ 1825:	0.274		otal layer sett@ 1825:	0.132	
Total layer sett@ 3650:	0.274		otal layer sett@ 3650:	0.132	
Total layer sett@ 20:	0.274		Total layer sett@ 20:	0.132	
Total layer sett@ 50:	0.274		Total layer sett@ 50:	0.132	
Cv:	0.02 ft ² /day		Cv:	0.04 ft ² /day	
Hdr:	2 ft		Hdr:	7 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.2119544	0.212828	0.124988	30	0.02449	17.65825	0.050856	0.051386	0.024722	0.024722	0.023309
45	0.225	53.52372	0.25959006	0.260661	0.153078	45	0.036735	21.62685	0.062285	0.062934	0.030278	0.030278	0.028547
60	0.3	61.33192	0.2974598	0.298686	0.175409	60	0.04898	24.97254	0.071921	0.07267	0.034962	0.034962	0.032964
110	0.55	79.13589	0.38380908	0.385392	0.226329	110	0.089796	33.81297	0.097381	0.098396	0.047338	0.047338	0.044633
140	0.7	85.59119	0.41511728	0.416829	0.244791	140	0.114286	38.14618	0.109861	0.111005	0.053405	0.053405	0.050353
180	0.9	91.20439	0.44234131	0.444165	0.260845	180	0.146939	43.2537	0.124571	0.125868	0.060555	0.060555	0.057095
365	1.825	99.1029	0.48064907	0.482631	0.283434	365	0.297959	61.13667	0.176074	0.177908	0.085591	0.085591	0.0807
545	2.725	99.90268	0.48452799	0.486526	0.285722	545	0.444898	72.95734	0.210117	0.212306	0.10214	0.10214	0.096304
730	3.65	99.99007	0.48495186	0.486952	0.285972	730	0.595918	81.37124	0.234349	0.23679	0.11392	0.11392	0.10741
1095	5.475	99.99989	0.48499947	0.486999	0.286	1095	0.893878	91.07048	0.262283	0.265015	0.127499	0.127499	0.120213
1460	7.3	100	0.48499999	0.487	0.286	1460	1.191837	95.71972	0.275673	0.278544	0.134008	0.134008	0.12635
1825	9.125	100	0.485	0.487	0.286	1825	1.489796	97.94829	0.282091	0.28503	0.137128	0.137128	0.129292
3650	18.25	100	0.485	0.487	0.286	3650	2.979592	99.94808	0.28785	0.290849	0.139927	0.139927	0.131931
7300	36.5	100	0.485	0.487	0.286	7300	5.959184	99.99997	0.288	0.291	0.14	0.14	0.132
18250	91.25	100	0.485	0.487	0.286	18250	14.89796	100	0.288	0.291	0.14	0.14	0.132

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

Layer 1								Layer 4			
Total layer sett@ 30 days:	0.485 in	(from SETANL)		(from SETANL)				Total layer sett@ 30 days:	2.163 in		
Total layer sett@ 45:	0.487							Total layer sett@ 45:	2.181		
Total layer sett@ 60:	0.286							Total layer sett@ 60:	1.022		
Total layer sett@ 110:	0.286							Total layer sett@ 110:	1.022		
Total layer sett@ 140:	0.274							Total layer sett@ 140:	0.962		
Total layer sett@ 180:	0.274							Total layer sett@ 180:	0.962		
Total layer sett@ 365:	0.274							Total layer sett@ 365:	0.962		
Total layer sett@ 545:	0.274							Total layer sett@ 545:	0.962		
Total layer sett@ 730:	0.274							Total layer sett@ 730:	0.962		
Total layer sett@ 1095:	0.274							Total layer sett@ 1095:	0.962		
Total layer sett@ 1460:	0.274							Total layer sett@ 1460:	0.962		
Total layer sett@ 1825:	0.274							Total layer sett@ 1825:	0.962		
Total layer sett@ 3650:	0.274							Total layer sett@ 3650:	0.962		
Total layer sett@ 20:	0.274							Total layer sett@ 20:	0.962		
Total layer sett@ 50:	0.274							Total layer sett@ 50:	0.962		
Cv:	0.02 ft ² /day							Cv:	0.04 ft ² /day		
Hdr:	2 ft							Hdr:	14 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.2119544	0.212828	0.124988	0.023309	0.023309	30	0.006122	8.829125	0.190974
45	0.225	53.52372	0.25959006	0.260661	0.153078	0.028547	0.028547	45	0.009184	10.81343	0.233894
60	0.3	61.33192	0.2974598	0.298686	0.175409	0.032964	0.032964	60	0.012245	12.48627	0.270078
110	0.55	79.13589	0.38380908	0.385392	0.226329	0.044633	0.044633	110	0.022449	16.90649	0.365687
140	0.7	85.59119	0.41511728	0.416829	0.244791	0.050353	0.050353	140	0.028571	19.07309	0.412551
180	0.9	91.20439	0.44234131	0.444165	0.260845	0.057095	0.057095	180	0.036735	21.62685	0.467789
365	1.825	99.1029	0.48064907	0.482631	0.283434	0.0807	0.0807	365	0.07449	30.79665	0.666131
545	2.725	99.90268	0.48452799	0.486526	0.285722	0.096304	0.096304	545	0.111224	37.63182	0.813976
730	3.65	99.99007	0.48495186	0.486952	0.285972	0.10741	0.10741	730	0.14898	43.55304	0.942052
1095	5.475	99.99989	0.48499947	0.486999	0.286	0.120213	0.120213	1095	0.223469	53.34136	1.153774
1460	7.3	100	0.48499999	0.487	0.286	0.12635	0.12635	1460	0.297959	61.13667	1.322386
1825	9.125	100	0.485	0.487	0.286	0.129292	0.129292	1825	0.372449	67.66291	1.463549
3650	18.25	100	0.485	0.487	0.286	0.131931	0.131931	3650	0.744898	87.10249	1.884027
7300	36.5	100	0.485	0.487	0.286	0.132	0.132	7300	1.489796	97.94829	2.118622
18250	91.25	100	0.485	0.487	0.286	0.132	0.132	18250	3.72449	99.99174	2.162821

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

	Layer 1	(from SETANL)	(from SETANL)
Total layer sett@ 30 days:	0.485 in		
Total layer sett@ 45:	0.487		
Total layer sett@ 60:	0.286		
Total layer sett@ 110:	0.286		
Total layer sett@ 140:	0.274		
Total layer sett@ 180:	0.274		
Total layer sett@ 365:	0.274		
Total layer sett@ 545:	0.274		
Total layer sett@ 730:	0.274		
Total layer sett@ 1095:	0.274		
Total layer sett@ 1460:	0.274		
Total layer sett@ 1825:	0.274		
Total layer sett@ 3650:	0.274		
Total layer sett@ 20:	0.274		
Total layer sett@ 50:	0.274		
Cv:	0.02 ft ² /day		
Hdr:	2 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.2119544	0.212828	0.124988	0.192563	0.090234	0.090234	0.084936	0.084936	0.084936	0.084936	0.084936
45	0.225	53.52372	0.25959006	0.260661	0.153078	0.235841	0.110513	0.110513	0.104025	0.104025	0.104025	0.104025	0.104025
60	0.3	61.33192	0.2974598	0.298686	0.175409	0.272326	0.12761	0.12761	0.120118	0.120118	0.120118	0.120118	0.120118
110	0.55	79.13589	0.38380908	0.385392	0.226329	0.36873	0.172784	0.172784	0.16264	0.16264	0.16264	0.16264	0.16264
140	0.7	85.59119	0.41511728	0.416829	0.244791	0.415984	0.194927	0.194927	0.183483	0.183483	0.183483	0.183483	0.183483
180	0.9	91.20439	0.44234131	0.444165	0.260845	0.471682	0.221026	0.221026	0.20805	0.20805	0.20805	0.20805	0.20805
365	1.825	99.1029	0.48064907	0.482631	0.283434	0.671675	0.314742	0.314742	0.296264	0.296264	0.296264	0.296264	0.296264
545	2.725	99.90268	0.48452799	0.486526	0.285722	0.82075	0.384597	0.384597	0.362018	0.362018	0.362018	0.362018	0.362018
730	3.65	99.99007	0.48495186	0.486952	0.285972	0.949892	0.445112	0.445112	0.41898	0.41898	0.41898	0.41898	0.41898
1095	5.475	99.99989	0.48499947	0.486999	0.286	1.163375	0.545149	0.545149	0.513144	0.513144	0.513144	0.513144	0.513144
1460	7.3	100	0.48499999	0.487	0.286	1.333391	0.624817	0.624817	0.588135	0.588135	0.588135	0.588135	0.588135
1825	9.125	100	0.485	0.487	0.286	1.475728	0.691515	0.691515	0.650917	0.650917	0.650917	0.650917	0.650917
3650	18.25	100	0.485	0.487	0.286	1.899705	0.890187	0.890187	0.837926	0.837926	0.837926	0.837926	0.837926
7300	36.5	100	0.485	0.487	0.286	2.136252	1.001032	1.001032	0.942263	0.942263	0.942263	0.942263	0.942263
18250	91.25	100	0.485	0.487	0.286	2.18082	1.021916	1.021916	0.961921	0.961921	0.961921	0.961921	0.961921

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

	Layer 1			Layer 5		
Total layer sett@ 30 days:	0.485 in	(from SETANL)	@ 30 days:	2.413 in	(from SETANL)	
Total layer sett@ 45:	0.487		r sett@ 45:	2.435		
Total layer sett@ 60:	0.286		r sett@ 60:	1.124		
Total layer sett@ 110:	0.286		sett@ 110:	1.124		
Total layer sett@ 140:	0.274		sett@ 140:	1.057		
Total layer sett@ 180:	0.274		sett@ 180:	1.057		
Total layer sett@ 365:	0.274		sett@ 365:	1.057		
Total layer sett@ 545:	0.274		sett@ 545:	1.057		
Total layer sett@ 730:	0.274		sett@ 730:	1.057		
Total layer sett@ 1095:	0.274		ett@ 1095:	1.057		
Total layer sett@ 1460:	0.274		ett@ 1460:	1.057		
Total layer sett@ 1825:	0.274		ett@ 1825:	1.057		
Total layer sett@ 3650:	0.274		ett@ 3650:	1.057		
Total layer sett@ 20:	0.274		r sett@ 20:	1.057		
Total layer sett@ 50:	0.274		r sett@ 50:	1.057		
Cv:	0.02 ft ² /day		Cv:	0.04 ft ² /day		
Hdr:	2 ft		Hdr:	45 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@110	Sett@140	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.2119544	0.212828	0.124988	0.000593	2.746839	0.066281	0.066886	0.030874	0.030874	0.029034	0.029034
45	0.225	53.52372	0.25959006	0.260661	0.153078	0.000889	3.364177	0.081178	0.081918	0.037813	0.037813	0.035559	0.035559
60	0.3	61.33192	0.2974598	0.298686	0.175409	0.001185	3.884617	0.093736	0.09459	0.043663	0.043663	0.04106	0.04106
110	0.55	79.13589	0.38380908	0.385392	0.226329	0.002173	5.259796	0.126919	0.128076	0.05912	0.05912	0.055596	0.055596
140	0.7	85.59119	0.41511728	0.416829	0.244791	0.002765	5.93385	0.143184	0.144489	0.066696	0.066696	0.062721	0.062721
180	0.9	91.20439	0.44234131	0.444165	0.260845	0.003556	6.728353	0.162355	0.163835	0.075627	0.075627	0.071119	0.071119
365	1.825	99.1029	0.48064907	0.482631	0.283434	0.00721	9.581179	0.231194	0.233302	0.107692	0.107692	0.101273	0.101273
545	2.725	99.90268	0.48452799	0.486526	0.285722	0.010765	11.70768	0.282506	0.285082	0.131594	0.131594	0.12375	0.12375
730	3.65	99.99007	0.48495186	0.486952	0.285972	0.01442	13.54983	0.326957	0.329938	0.1523	0.1523	0.143222	0.143222
1095	5.475	99.99989	0.48499947	0.486999	0.286	0.02163	16.59509	0.40044	0.40409	0.186529	0.186529	0.17541	0.17541
1460	7.3	100	0.48499999	0.487	0.286	0.02884	19.16236	0.462388	0.466603	0.215385	0.215385	0.202546	0.202546
1825	9.125	100	0.485	0.487	0.286	0.036049	21.42417	0.516965	0.521679	0.240808	0.240808	0.226453	0.226453
3650	18.25	100	0.485	0.487	0.286	0.072099	30.29835	0.731099	0.737765	0.340553	0.340553	0.320254	0.320254
7300	36.5	100	0.485	0.487	0.286	0.144198	42.84834	1.03393	1.043357	0.481615	0.481615	0.452907	0.452907
18250	91.25	100	0.485	0.487	0.286	0.360494	66.6946	1.609341	1.624014	0.749647	0.749647	0.704962	0.704962

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

		Layer 1	
Total layer sett@ 30 days:	0.485 in	(from SETANL)	
Total layer sett@ 45:	0.487		
Total layer sett@ 60:	0.286		
Total layer sett@ 110:	0.286		
Total layer sett@ 140:	0.274		
Total layer sett@ 180:	0.274		
Total layer sett@ 365:	0.274		
Total layer sett@ 545:	0.274		
Total layer sett@ 730:	0.274		
Total layer sett@ 1095:	0.274		
Total layer sett@ 1460:	0.274		
Total layer sett@ 1825:	0.274		
Total layer sett@ 3650:	0.274		
Total layer sett@ 20:	0.274		
Total layer sett@ 50:	0.274		
Cv:	0.02 ft ² /day		
Hdr:	2 ft		

		Layer 6	
Total layer sett@ 30 days:	in	(from SETANL)	
Total layer sett@ 45:			
Total layer sett@ 60:			
Total layer sett@ 110:			
Total layer sett@ 140:			
Total layer sett@ 180:			
Total layer sett@ 365:			
Total layer sett@ 545:			
Total layer sett@ 730:			
Total layer sett@ 1095:			
Total layer sett@ 1460:			
Total layer sett@ 1825:			
Total layer sett@ 3650:			
Total layer sett@ 20:			
Total layer sett@ 50:			
Cv:	ft ² /day		
Hdr:	ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	0.15	43.70194	0.2119544	0.212828	0.124988	0.029034
45	0.225	53.52372	0.25959006	0.260661	0.153078	0.035559
60	0.3	61.33192	0.2974598	0.298686	0.175409	0.04106
110	0.55	79.13589	0.38380908	0.385392	0.226329	0.055596
140	0.7	85.59119	0.41511728	0.416829	0.244791	0.062721
180	0.9	91.20439	0.44234131	0.444165	0.260845	0.071119
365	1.825	99.1029	0.48064907	0.482631	0.283434	0.101273
545	2.725	99.90268	0.48452799	0.486526	0.285722	0.12375
730	3.65	99.99007	0.48495186	0.486952	0.285972	0.143222
1095	5.475	99.99989	0.48499947	0.486999	0.286	0.17541
1460	7.3	100	0.48499999	0.487	0.286	0.202546
1825	9.125	100	0.485	0.487	0.286	0.226453
3650	18.25	100	0.485	0.487	0.286	0.320254
7300	36.5	100	0.485	0.487	0.286	0.452907
18250	91.25	100	0.485	0.487	0.286	0.704962

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	#DIV/0!	#DIV/0!			
45	#DIV/0!	#DIV/0!			
60	#DIV/0!	#DIV/0!			
110	#DIV/0!	#DIV/0!			
140	#DIV/0!	#DIV/0!			
180	#DIV/0!	#DIV/0!			
365	#DIV/0!	#DIV/0!			
545	#DIV/0!	#DIV/0!			
730	#DIV/0!	#DIV/0!			
1095	#DIV/0!	#DIV/0!			
1460	#DIV/0!	#DIV/0!			
1825	#DIV/0!	#DIV/0!			
3650	#DIV/0!	#DIV/0!			
7300	#DIV/0!	#DIV/0!			
18250	#DIV/0!	#DIV/0!			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-2 ft)

Initial Fill Elevation = 2 ft

Layer 1

Total layer sett@ 30 days: 0.485 in (from SETANL)
 Total layer sett@ 45: 0.487
 Total layer sett@ 60: 0.286
 Total layer sett@ 110: 0.286
 Total layer sett@ 140: 0.274
 Total layer sett@ 180: 0.274
 Total layer sett@ 365: 0.274
 Total layer sett@ 545: 0.274
 Total layer sett@ 730: 0.274
 Total layer sett@ 1095: 0.274
 Total layer sett@ 1460: 0.274
 Total layer sett@ 1825: 0.274
 Total layer sett@ 3650: 0.274
 Total layer sett@ 20: 0.274
 Total layer sett@ 50: 0.274
 Cv: 0.02 ft²/day
 Hdr: 2 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.15	43.70194	0.2119544	0.212828	0.124988				
45	0.225	53.52372	0.25959006	0.260661	0.153078				
60	0.3	61.33192	0.2974598	0.298686	0.175409				
110	0.55	79.13589	0.38380908	0.385392	0.226329				
140	0.7	85.59119	0.41511728	0.416829	0.244791				
180	0.9	91.20439	0.44234131	0.444165	0.260845				
365	1.825	99.1029	0.48064907	0.482631	0.283434				
545	2.725	99.90268	0.48452799	0.486526	0.285722				
730	3.65	99.99007	0.48495186	0.486952	0.285972				
1095	5.475	99.99989	0.48499947	0.486999	0.286				
1460	7.3	100	0.48499999	0.487	0.286				
1825	9.125	100	0.485	0.487	0.286				
3650	18.25	100	0.485	0.487	0.286				
7300	36.5	100	0.485	0.487	0.286				
18250	91.25	100	0.485	0.487	0.286				

0.563317 0.046943

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14c (Lift 1-2 ft)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.563317448	0.046943121	0.567126801	0.047260567	0.293291346	0.024440946	0.293291346	0.024440946
45	0.123287671	0.689920155	0.057493346	0.694585641	0.057882137	0.359207072	0.029933923	0.359207072	0.029933923
60	0.164383562	0.794362198	0.06619685	0.799739999	0.066645	0.413426811	0.034452234	0.413426811	0.034452234
110	0.301369863	1.056618107	0.088051509	1.063821524	0.088651794	0.548605908	0.045717159	0.548605908	0.045717159
140	0.383561644	1.174148221	0.097845685	1.182201049	0.098516754	0.608368581	0.050697382	0.608368581	0.050697382
180	0.493150685	1.3030015	0.108583458	1.31201561	0.109334634	0.67310301	0.056091918	0.67310301	0.056091918
365	1	1.700751623	0.141729302	1.712938173	0.142744848	0.867688169	0.072307347	0.867688169	0.072307347
545	1.493150685	1.961158876	0.163429906	1.975528553	0.164627379	0.992402982	0.082700248	0.992402982	0.082700248
730	2	2.172462172	0.181038514	2.188626324	0.182385527	1.092990061	0.091082505	1.092990061	0.091082505
1095	3	2.498619667	0.208218306	2.517570438	0.209797537	1.247603087	0.103966924	1.247603087	0.103966924
1460	4	2.747064772	0.228922064	2.768145008	0.230678751	1.364971626	0.113747636	1.364971626	0.113747636
1825	5	2.950779775	0.245898315	2.973606819	0.247800568	1.461021408	0.121751784	1.461021408	0.121751784
3650	10	3.591972348	0.299331029	3.620314855	0.301692905	1.762666051	0.146888838	1.762666051	0.146888838
7300	20	4.129551803	0.344129317	4.162609128	0.346884094	2.014646792	0.167887233	2.014646792	0.167887233
18250	50	4.749162047	0.395763504	4.787833372	0.398986114	2.303562893	0.191963574	2.303562893	0.191963574

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14c (Lift 1-2 ft)

Initial Fill Elevation = 3 ft		Settlement 45 days			Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.563317448	0.046943121	0.567126801	0.278224476	0.023185373	0.278224476	0.023185373	0.278224476	0.023185373
45	0.123287671	0.689920155	0.057493346	0.694585641	0.340754	0.028396167	0.340754	0.028396167	0.340754	0.028396167
60	0.164383562	0.794362198	0.06619685	0.799739999	0.392175674	0.032681306	0.392175674	0.032681306	0.392175674	0.032681306
110	0.301369863	1.056618107	0.088051509	1.063821524	0.520300682	0.04335839	0.520300682	0.04335839	0.520300682	0.04335839
140	0.383561644	1.174148221	0.097845685	1.182201049	0.576878316	0.048073193	0.576878316	0.048073193	0.576878316	0.048073193
180	0.493150685	1.3030015	0.108583458	1.31201561	0.638098033	0.053174836	0.638098033	0.053174836	0.638098033	0.053174836
365	1	1.700751623	0.141729302	1.712938173	0.821692697	0.068474391	0.821692697	0.068474391	0.821692697	0.068474391
545	1.493150685	1.961158876	0.163429906	1.975528553	0.939153919	0.078262827	0.939153919	0.078262827	0.939153919	0.078262827
730	2	2.172462172	0.181038514	2.188626324	1.033855122	0.086154594	1.033855122	0.086154594	1.033855122	0.086154594
1095	3	2.498619667	0.208218306	2.517570438	1.179396168	0.098283014	1.179396168	0.098283014	1.179396168	0.098283014
1460	4	2.747064772	0.228922064	2.768145008	1.289863323	0.10748861	1.289863323	0.10748861	1.289863323	0.10748861
1825	5	2.950779775	0.245898315	2.973606819	1.380257877	0.11502149	1.380257877	0.11502149	1.380257877	0.11502149
3650	10	3.591972348	0.299331029	3.620314855	1.664108939	0.138675745	1.664108939	0.138675745	1.664108939	0.138675745
7300	20	4.129551803	0.344129317	4.162609128	1.901169434	0.158430786	1.901169434	0.158430786	1.901169434	0.158430786
18250	50	4.749162047	0.395763504	4.787833372	2.172882466	0.181073539	2.172882466	0.181073539	2.172882466	0.181073539

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14c (Lift 1-2 ft)

Initial Fill Elevation = 3 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	0.563317448	0.046943121	0.567126801	0.278224476	0.023185373	0.278224476	0.023185373	0.278224476	0.023185373	0.278224476	
45	0.123287671	0.689920155	0.057493346	0.694585641	0.340754	0.028396167	0.340754	0.028396167	0.340754	0.028396167	0.340754	
60	0.164383562	0.794362198	0.06619685	0.799739999	0.392175674	0.032681306	0.392175674	0.032681306	0.392175674	0.032681306	0.392175674	
110	0.301369863	1.056618107	0.088051509	1.063821524	0.520300682	0.04335839	0.520300682	0.04335839	0.520300682	0.04335839	0.520300682	
140	0.383561644	1.174148221	0.097845685	1.182201049	0.576878316	0.048073193	0.576878316	0.048073193	0.576878316	0.048073193	0.576878316	
180	0.493150685	1.3030015	0.108583458	1.31201561	0.638098033	0.053174836	0.638098033	0.053174836	0.638098033	0.053174836	0.638098033	
365	1	1.700751623	0.141729302	1.712938173	0.821692697	0.068474391	0.821692697	0.068474391	0.821692697	0.068474391	0.821692697	
545	1.493150685	1.961158876	0.163429906	1.975528553	0.939153919	0.078262827	0.939153919	0.078262827	0.939153919	0.078262827	0.939153919	
730	2	2.172462172	0.181038514	2.188626324	1.033855122	0.086154594	1.033855122	0.086154594	1.033855122	0.086154594	1.033855122	
1095	3	2.498619667	0.208218306	2.517570438	1.179396168	0.098283014	1.179396168	0.098283014	1.179396168	0.098283014	1.179396168	
1460	4	2.747064772	0.228922064	2.768145008	1.289863323	0.10748861	1.289863323	0.10748861	1.289863323	0.10748861	1.289863323	
1825	5	2.950779775	0.245898315	2.973606819	1.380257877	0.11502149	1.380257877	0.11502149	1.380257877	0.11502149	1.380257877	
3650	10	3.591972348	0.299331029	3.620314855	1.664108939	0.138675745	1.664108939	0.138675745	1.664108939	0.138675745	1.664108939	
7300	20	4.129551803	0.344129317	4.162609128	1.901169434	0.158430786	1.901169434	0.158430786	1.901169434	0.158430786	1.901169434	
18250	50	4.749162047	0.395763504	4.787833372	2.172882466	0.181073539	2.172882466	0.181073539	2.172882466	0.181073539	2.172882466	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14c (Lift 1-2 ft)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.563317448	0.046943121	0.567126801	0.023185373	0.278224476	0.023185373	0.278224476	0.023185373
45	0.123287671	0.689920155	0.057493346	0.694585641	0.028396167	0.340754	0.028396167	0.340754	0.028396167
60	0.164383562	0.794362198	0.06619685	0.799739999	0.032681306	0.392175674	0.032681306	0.392175674	0.032681306
110	0.301369863	1.056618107	0.088051509	1.063821524	0.04335839	0.520300682	0.04335839	0.520300682	0.04335839
140	0.383561644	1.174148221	0.097845685	1.182201049	0.048073193	0.576878316	0.048073193	0.576878316	0.048073193
180	0.493150685	1.3030015	0.108583458	1.31201561	0.053174836	0.638098033	0.053174836	0.638098033	0.053174836
365	1	1.700751623	0.141729302	1.712938173	0.068474391	0.821692697	0.068474391	0.821692697	0.068474391
545	1.493150685	1.961158876	0.163429906	1.975528553	0.078262827	0.939153919	0.078262827	0.939153919	0.078262827
730	2	2.172462172	0.181038514	2.188626324	0.086154594	1.033855122	0.086154594	1.033855122	0.086154594
1095	3	2.498619667	0.208218306	2.517570438	0.098283014	1.179396168	0.098283014	1.179396168	0.098283014
1460	4	2.747064772	0.228922064	2.768145008	0.10748861	1.289863323	0.10748861	1.289863323	0.10748861
1825	5	2.950779775	0.245898315	2.973606819	0.11502149	1.380257877	0.11502149	1.380257877	0.11502149
3650	10	3.591972348	0.299331029	3.620314855	0.138675745	1.664108939	0.138675745	1.664108939	0.138675745
7300	20	4.129551803	0.344129317	4.162609128	0.158430786	1.901169434	0.158430786	1.901169434	0.158430786
18250	50	4.749162047	0.395763504	4.787833372	0.181073539	2.172882466	0.181073539	2.172882466	0.181073539

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14c (Lift 1-2 ft)

Initial Fill Elevation = 3 ft				Settlement 45 days	Settlement 5 years	Settlement 10 years	Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0
30	0.082191781	0.563317448	0.046943121	0.567126801	0.278224476	0.023185373	0.278224476	0.023185373
45	0.123287671	0.689920155	0.057493346	0.694585641	0.340754	0.028396167	0.340754	0.028396167
60	0.164383562	0.794362198	0.06619685	0.799739999	0.392175674	0.032681306	0.392175674	0.032681306
110	0.301369863	1.056618107	0.088051509	1.063821524	0.520300682	0.04335839	0.520300682	0.04335839
140	0.383561644	1.174148221	0.097845685	1.182201049	0.576878316	0.048073193	0.576878316	0.048073193
180	0.493150685	1.3030015	0.108583458	1.31201561	0.638098033	0.053174836	0.638098033	0.053174836
365	1	1.700751623	0.141729302	1.712938173	0.821692697	0.068474391	0.821692697	0.068474391
545	1.493150685	1.961158876	0.163429906	1.975528553	0.939153919	0.078262827	0.939153919	0.078262827
730	2	2.172462172	0.181038514	2.188626324	1.033855122	0.086154594	1.033855122	0.086154594
1095	3	2.498619667	0.208218306	2.517570438	1.179396168	0.098283014	1.179396168	0.098283014
1460	4	2.747064772	0.228922064	2.768145008	1.289863323	0.10748861	1.289863323	0.10748861
1825	5	2.950779775	0.245898315	2.973606819	1.380257877	0.11502149	1.380257877	0.11502149
3650	10	3.591972348	0.299331029	3.620314855	1.664108939	0.138675745	1.664108939	0.138675745
7300	20	4.129551803	0.344129317	4.162609128	1.901169434	0.158430786	1.901169434	0.158430786
18250	50	4.749162047	0.395763504	4.787833372	2.172882466	0.181073539	2.172882466	0.181073539

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14c (Lift 1-2 ft)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.563317448	0.046943121	0.567126801	0.278224476	0.023185373	0.278224476	0.023185373	
45	0.123287671	0.689920155	0.057493346	0.694585641	0.340754	0.028396167	0.340754	0.028396167	
60	0.164383562	0.794362198	0.06619685	0.799739999	0.392175674	0.032681306	0.392175674	0.032681306	
110	0.301369863	1.056618107	0.088051509	1.063821524	0.520300682	0.04335839	0.520300682	0.04335839	
140	0.383561644	1.174148221	0.097845685	1.182201049	0.576878316	0.048073193	0.576878316	0.048073193	
180	0.493150685	1.3030015	0.108583458	1.31201561	0.638098033	0.053174836	0.638098033	0.053174836	
365	1	1.700751623	0.141729302	1.712938173	0.821692697	0.068474391	0.821692697	0.068474391	
545	1.493150685	1.961158876	0.163429906	1.975528553	0.939153919	0.078262827	0.939153919	0.078262827	
730	2	2.172462172	0.181038514	2.188626324	1.033855122	0.086154594	1.033855122	0.086154594	
1095	3	2.498619667	0.208218306	2.517570438	1.179396168	0.098283014	1.179396168	0.098283014	
1460	4	2.747064772	0.228922064	2.768145008	1.289863323	0.10748861	1.289863323	0.10748861	
1825	5	2.950779775	0.245898315	2.973606819	1.380257877	0.11502149	1.380257877	0.11502149	
3650	10	3.591972348	0.299331029	3.620314855	1.664108939	0.138675745	1.664108939	0.138675745	
7300	20	4.129551803	0.344129317	4.162609128	1.901169434	0.158430786	1.901169434	0.158430786	
18250	50	4.749162047	0.395763504	4.787833372	2.172882466	0.181073539	2.172882466	0.181073539	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft												
Layer 1										Layer 2		
Total layer sett@ 30 days:	0.751 in			(from SETANL)						Total layer sett@ 30 days:	0.261	
Total layer sett@ 45:	0.753									Total layer sett@ 45:	0.262	
Total layer sett@ 60:	0.456									Total layer sett@ 60:	0.135	
Total layer sett@ 110:	0.453									Total layer sett@ 110:	0.134	
Total layer sett@ 140:	0.421									Total layer sett@ 140:	0.122	
Total layer sett@ 180:	0.421									Total layer sett@ 180:	0.122	
Total layer sett@ 365:	0.421									Total layer sett@ 365:	0.122	
Total layer sett@ 545:	0.421									Total layer sett@ 545:	0.122	
Total layer sett@ 730:	0.421									Total layer sett@ 730:	0.122	
Total layer sett@ 1095:	0.421									Total layer sett@ 1095:	0.122	
Total layer sett@ 1460:	0.421									Total layer sett@ 1460:	0.122	
Total layer sett@ 1825:	0.421									Total layer sett@ 1825:	0.122	
Total layer sett@ 3650:	0.421									Total layer sett@ 3650:	0.122	
Total layer sett@ 20:	0.421									Total layer sett@ 20:	0.122	
Total layer sett@ 50:	0.421									Total layer sett@ 50:	0.122	
Cv:	0.03 ft ² /day									Cv:	0.2	
Hdr:	3.7 ft									Hdr:	14.95	
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.21727739	0.217856	0.131929	0.12180264	0.121803	0.121803	0.121803	30	0.026845	18.4879812
45	0.098612	35.434	0.26610936	0.266818	0.161579	0.14917715	0.149177	0.149177	0.149177	45	0.040268	22.6430602
60	0.131483	40.91566	0.30727663	0.308095	0.186575	0.17225494	0.172255	0.172255	0.172255	60	0.053691	26.1459538
110	0.241052	55.40007	0.41605452	0.417163	0.252624	0.23323429	0.233234	0.233234	0.233234	110	0.098433	35.4017888
140	0.306793	61.9748	0.46543075	0.46667	0.282605	0.26091391	0.260914	0.260914	0.260914	140	0.125278	39.9386042
180	0.394449	69.37179	0.52098213	0.52237	0.316335	0.29205523	0.292055	0.292055	0.292055	180	0.161072	45.2861204
365	0.799854	88.73831	0.66642472	0.668199	0.404647	0.37358829	0.373588	0.373588	0.373588	365	0.326618	63.7904722
545	1.194302	95.74569	0.71905013	0.720965	0.4366	0.40308935	0.403089	0.403089	0.403089	545	0.48769	75.667651
730	1.599708	98.43573	0.73925235	0.741221	0.448867	0.41441443	0.414414	0.414414	0.414414	730	0.653237	83.828523
1095	2.399562	99.78272	0.74936823	0.751364	0.455009	0.42008525	0.420085	0.420085	0.420085	1095	0.979855	92.7776835
1460	3.199416	99.96982	0.75077334	0.752773	0.455862	0.42087294	0.420873	0.420873	0.420873	1460	1.306473	96.7744532
1825	3.99927	99.99581	0.75096852	0.752968	0.455981	0.42098235	0.420982	0.420982	0.420982	1825	1.633091	98.5594439
3650	7.998539	100	0.751	0.753	0.456	0.421	0.421	0.421	0.421	3650	3.266183	99.9744045
7300	15.99708	100	0.751	0.753	0.456	0.421	0.421	0.421	0.421	7300	6.532365	99.9999919
18250	39.9927	100	0.751	0.753	0.456	0.421	0.421	0.421	0.421	18250	16.33091	100

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1

Total layer sett@ 30 days:	0.751 in	(from SETANL)	in	(from SETANL)
Total layer sett@ 45:	0.753			
Total layer sett@ 60:	0.456			
Total layer sett@ 110:	0.453			
Total layer sett@ 140:	0.421			
Total layer sett@ 180:	0.421			
Total layer sett@ 365:	0.421			
Total layer sett@ 545:	0.421			
Total layer sett@ 730:	0.421			
Total layer sett@ 1095:	0.421			
Total layer sett@ 1460:	0.421			
Total layer sett@ 1825:	0.421			
Total layer sett@ 3650:	0.421			
Total layer sett@ 20:	0.421			
Total layer sett@ 50:	0.421			
Cv:	0.03 ft ² /day		ft ² /day	
Hdr:	3.7 ft		ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.21727739	0.217856	0.131929	0.048254	0.048439	0.024959	0.024774	0.022555	0.022555	0.022555	0.022555
45	0.098612	35.434	0.26610936	0.266818	0.161579	0.059098	0.059325	0.030568	0.030342	0.027625	0.027625	0.027625	0.027625
60	0.131483	40.91566	0.30727663	0.308095	0.186575	0.068241	0.068502	0.035297	0.035036	0.031898	0.031898	0.031898	0.031898
110	0.241052	55.40007	0.41605452	0.417163	0.252624	0.092399	0.092753	0.047792	0.047438	0.04319	0.04319	0.04319	0.04319
140	0.306793	61.9748	0.46543075	0.46667	0.282605	0.10424	0.104639	0.053917	0.053518	0.048725	0.048725	0.048725	0.048725
180	0.394449	69.37179	0.52098213	0.52237	0.316335	0.118197	0.11865	0.061136	0.060683	0.055249	0.055249	0.055249	0.055249
365	0.799854	88.73831	0.66642472	0.668199	0.404647	0.166493	0.167131	0.086117	0.085479	0.077824	0.077824	0.077824	0.077824
545	1.194302	95.74569	0.71905013	0.720965	0.4366	0.197493	0.198249	0.102151	0.101395	0.092315	0.092315	0.092315	0.092315
730	1.599708	98.43573	0.73925235	0.741221	0.448867	0.218792	0.219631	0.113169	0.11233	0.102271	0.102271	0.102271	0.102271
1095	2.399562	99.78272	0.74936823	0.751364	0.455009	0.24215	0.243078	0.12525	0.124322	0.113189	0.113189	0.113189	0.113189
1460	3.199416	99.96982	0.75077334	0.752773	0.455862	0.252581	0.253549	0.130646	0.129678	0.118065	0.118065	0.118065	0.118065
1825	3.99927	99.99581	0.75096852	0.752968	0.455981	0.25724	0.258226	0.133055	0.13207	0.120243	0.120243	0.120243	0.120243
3650	7.998539	100	0.751	0.753	0.456	0.260933	0.261933	0.134965	0.133966	0.121969	0.121969	0.121969	0.121969
7300	15.99708	100	0.751	0.753	0.456	0.261	0.262	0.135	0.134	0.122	0.122	0.122	0.122
18250	39.9927	100	0.751	0.753	0.456	0.261	0.262	0.135	0.134	0.122	0.122	0.122	0.122

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1			(from SETANL)	Layer 3		
Total layer sett@ 30 days:	0.751 in			Total layer sett@ 30 days:	0.959 in	
Total layer sett@ 45:	0.753			Total layer sett@ 45:	0.963	
Total layer sett@ 60:	0.456			Total layer sett@ 60:	0.476	
Total layer sett@ 110:	0.453			Total layer sett@ 110:	0.471	
Total layer sett@ 140:	0.421			Total layer sett@ 140:	0.429	
Total layer sett@ 180:	0.421			Total layer sett@ 180:	0.429	
Total layer sett@ 365:	0.421			Total layer sett@ 365:	0.429	
Total layer sett@ 545:	0.421			Total layer sett@ 545:	0.429	
Total layer sett@ 730:	0.421			Total layer sett@ 730:	0.429	
Total layer sett@ 1095:	0.421			Total layer sett@ 1095:	0.429	
Total layer sett@ 1460:	0.421			Total layer sett@ 1460:	0.429	
Total layer sett@ 1825:	0.421			Total layer sett@ 1825:	0.429	
Total layer sett@ 3650:	0.421			Total layer sett@ 3650:	0.429	
Total layer sett@ 20:	0.421			Total layer sett@ 20:	0.429	
Total layer sett@ 50:	0.421			Total layer sett@ 50:	0.429	
Cv:	0.03 ft ² /day			Cv:	0.03 ft ² /day	
Hdr:	3.7 ft			Hdr:	7.391 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.21727739	0.217856	0.131929	30	0.016475	14.48349	0.138897	0.139476	0.068941	0.068217	0.062134
45	0.098612	35.434	0.26610936	0.266818	0.161579	45	0.024713	17.73858	0.170113	0.170822	0.084436	0.083549	0.076098
60	0.131483	40.91566	0.30727663	0.308095	0.186575	60	0.032951	20.48274	0.19643	0.197249	0.097498	0.096474	0.087871
110	0.241052	55.40007	0.41605452	0.417163	0.252624	110	0.06041	27.73376	0.265967	0.267076	0.132013	0.130626	0.118978
140	0.306793	61.9748	0.46543075	0.46667	0.282605	140	0.076885	31.28791	0.300051	0.301303	0.14893	0.147366	0.134225
180	0.394449	69.37179	0.52098213	0.52237	0.316335	180	0.098852	35.47715	0.340226	0.341645	0.168871	0.167097	0.152197
365	0.799854	88.73831	0.66642472	0.668199	0.404647	365	0.200451	50.51949	0.484482	0.486503	0.240473	0.237947	0.216729
545	1.194302	95.74569	0.71905013	0.720965	0.4366	545	0.299303	61.26536	0.587535	0.589985	0.291623	0.28856	0.262828
730	1.599708	98.43573	0.73925235	0.741221	0.448867	730	0.400902	69.8557	0.669916	0.67271	0.332513	0.32902	0.299681
1095	2.399562	99.78272	0.74936823	0.751364	0.455009	1095	0.601352	81.61939	0.78273	0.785995	0.388508	0.384427	0.350147
1460	3.199416	99.96982	0.75077334	0.752773	0.455862	1460	0.801803	88.79235	0.851519	0.85507	0.422652	0.418212	0.380919
1825	3.99927	99.99581	0.75096852	0.752968	0.455981	1825	1.002254	93.16609	0.893463	0.897189	0.443471	0.438812	0.399683
3650	7.998539	100	0.751	0.753	0.456	3650	2.004508	99.42397	0.953476	0.957453	0.473258	0.468287	0.426529
7300	15.99708	100	0.751	0.753	0.456	7300	4.009015	99.99591	0.958961	0.962961	0.475981	0.470981	0.428982
18250	39.9927	100	0.751	0.753	0.456	18250	10.02254	100	0.959	0.963	0.476	0.471	0.429

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1				Layer 4			
Total layer sett@ 30 days:	0.751 in	(from SETANL)	(from SETANL)	Total layer sett@ 30 days:	1.91 in		
Total layer sett@ 45:	0.753			Total layer sett@ 45:	1.918		
Total layer sett@ 60:	0.456			Total layer sett@ 60:	0.931		
Total layer sett@ 110:	0.453			Total layer sett@ 110:	0.921		
Total layer sett@ 140:	0.421			Total layer sett@ 140:	0.838		
Total layer sett@ 180:	0.421			Total layer sett@ 180:	0.838		
Total layer sett@ 365:	0.421			Total layer sett@ 365:	0.838		
Total layer sett@ 545:	0.421			Total layer sett@ 545:	0.838		
Total layer sett@ 730:	0.421			Total layer sett@ 730:	0.838		
Total layer sett@ 1095:	0.421			Total layer sett@ 1095:	0.838		
Total layer sett@ 1460:	0.421			Total layer sett@ 1460:	0.838		
Total layer sett@ 1825:	0.421			Total layer sett@ 1825:	0.838		
Total layer sett@ 3650:	0.421			Total layer sett@ 3650:	0.838		
Total layer sett@ 20:	0.421			Total layer sett@ 20:	0.838		
Total layer sett@ 50:	0.421			Total layer sett@ 50:	0.838		
Cv:	0.03 ft ² /day			Cv:	0.03 ft ² /day		
Hdr:	3.7 ft			Hdr:	12.391 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.21727739	0.217856	0.131929	0.062134	0.062134	30	0.005862	8.639129	0.165007
45	0.098612	35.434	0.26610936	0.266818	0.161579	0.076098	0.076098	45	0.008793	10.58073	0.202092
60	0.131483	40.91566	0.30727663	0.308095	0.186575	0.087871	0.087871	60	0.011724	12.21757	0.233356
110	0.241052	55.40007	0.41605452	0.417163	0.252624	0.118978	0.118978	110	0.021493	16.54267	0.315965
140	0.306793	61.9748	0.46543075	0.46667	0.282605	0.134225	0.134225	140	0.027355	18.66265	0.356457
180	0.394449	69.37179	0.52098213	0.52237	0.316335	0.152197	0.152197	180	0.035171	21.16146	0.404184
365	0.799854	88.73831	0.66642472	0.668199	0.404647	0.216729	0.216729	365	0.071318	30.13393	0.575558
545	1.194302	95.74569	0.71905013	0.720965	0.4366	0.262828	0.262828	545	0.106489	36.82202	0.703301
730	1.599708	98.43573	0.73925235	0.741221	0.448867	0.299681	0.299681	730	0.142637	42.61581	0.813962
1095	2.399562	99.78272	0.74936823	0.751364	0.455009	0.350147	0.350147	1095	0.213955	52.1935	0.996896
1460	3.199416	99.96982	0.75077334	0.752773	0.455862	0.380919	0.380919	1460	0.285273	59.90071	1.144104
1825	3.99927	99.99581	0.75096852	0.752968	0.455981	0.399683	0.399683	1825	0.356592	66.37233	1.267711
3650	7.998539	100	0.751	0.753	0.456	0.426529	0.426529	3650	0.713184	86.05246	1.643602
7300	15.99708	100	0.751	0.753	0.456	0.428982	0.428982	7300	1.426367	97.60062	1.864172
18250	39.9927	100	0.751	0.753	0.456	0.429	0.429	18250	3.565918	99.98778	1.909767

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.751 in (from SETANL) (from SETANL)
 Total layer sett@ 45: 0.753
 Total layer sett@ 60: 0.456
 Total layer sett@ 110: 0.453
 Total layer sett@ 140: 0.421
 Total layer sett@ 180: 0.421
 Total layer sett@ 365: 0.421
 Total layer sett@ 545: 0.421
 Total layer sett@ 730: 0.421
 Total layer sett@ 1095: 0.421
 Total layer sett@ 1460: 0.421
 Total layer sett@ 1825: 0.421
 Total layer sett@ 3650: 0.421
 Total layer sett@ 20: 0.421
 Total layer sett@ 50: 0.421
 Cv: 0.03 ft²/day
 Hdr: 3.7 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.21727739	0.217856	0.131929	0.165698	0.08043	0.079566	0.072396	0.072396	0.072396	0.072396	0.072396
45	0.098612	35.434	0.26610936	0.266818	0.161579	0.202938	0.098507	0.097449	0.088667	0.088667	0.088667	0.088667	0.088667
60	0.131483	40.91566	0.30727663	0.308095	0.186575	0.234333	0.113746	0.112524	0.102383	0.102383	0.102383	0.102383	0.102383
110	0.241052	55.40007	0.41605452	0.417163	0.252624	0.317288	0.154012	0.152358	0.138628	0.138628	0.138628	0.138628	0.138628
140	0.306793	61.9748	0.46543075	0.46667	0.282605	0.35795	0.173749	0.171883	0.156393	0.156393	0.156393	0.156393	0.156393
180	0.394449	69.37179	0.52098213	0.52237	0.316335	0.405877	0.197013	0.194897	0.177333	0.177333	0.177333	0.177333	0.177333
365	0.799854	88.73831	0.66642472	0.668199	0.404647	0.577969	0.280547	0.277533	0.252522	0.252522	0.252522	0.252522	0.252522
545	1.194302	95.74569	0.71905013	0.720965	0.4366	0.706246	0.342813	0.339131	0.308569	0.308569	0.308569	0.308569	0.308569
730	1.599708	98.43573	0.73925235	0.741221	0.448867	0.817371	0.396753	0.392492	0.35712	0.35712	0.35712	0.35712	0.35712
1095	2.399562	99.78272	0.74936823	0.751364	0.455009	1.001071	0.485921	0.480702	0.437381	0.437381	0.437381	0.437381	0.437381
1460	3.199416	99.96982	0.75077334	0.752773	0.455862	1.148896	0.557676	0.551686	0.501968	0.501968	0.501968	0.501968	0.501968
1825	3.99927	99.99581	0.75096852	0.752968	0.455981	1.273021	0.617926	0.611289	0.5562	0.5562	0.5562	0.5562	0.5562
3650	7.998539	100	0.751	0.753	0.456	1.650486	0.801148	0.792543	0.72112	0.72112	0.72112	0.72112	0.72112
7300	15.99708	100	0.751	0.753	0.456	1.87198	0.908662	0.898902	0.817893	0.817893	0.817893	0.817893	0.817893
18250	39.9927	100	0.751	0.753	0.456	1.917766	0.930886	0.920887	0.837898	0.837898	0.837898	0.837898	0.837898

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1

Total layer sett@ 30 days:	0.751 in	(from SETANL)	@ 30 days:	2.331 in	(from SETANL)
Total layer sett@ 45:	0.753		r sett@ 45:	2.341	
Total layer sett@ 60:	0.456		r sett@ 60:	1.112	
Total layer sett@ 110:	0.453		sett@ 110:	1.1	
Total layer sett@ 140:	0.421		sett@ 140:	0.998	
Total layer sett@ 180:	0.421		sett@ 180:	0.998	
Total layer sett@ 365:	0.421		sett@ 365:	0.998	
Total layer sett@ 545:	0.421		sett@ 545:	0.998	
Total layer sett@ 730:	0.421		sett@ 730:	0.998	
Total layer sett@ 1095:	0.421		ett@ 1095:	0.998	
Total layer sett@ 1460:	0.421		ett@ 1460:	0.998	
Total layer sett@ 1825:	0.421		ett@ 1825:	0.998	
Total layer sett@ 3650:	0.421		ett@ 3650:	0.998	
Total layer sett@ 20:	0.421		r sett@ 20:	0.998	
Total layer sett@ 50:	0.421		r sett@ 50:	0.998	
Cv:	0.03 ft ² /day		Cv:	0.12 ft ² /day	
Hdr:	3.7 ft		Hdr:	35.783 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.21727739	0.217856	0.131929	0.002812	5.983145	0.139467	0.140065	0.066533	0.065815	0.059712	0.059712
45	0.098612	35.434	0.26610936	0.266818	0.161579	0.004217	7.327827	0.170812	0.171544	0.081485	0.080606	0.073132	0.073132
60	0.131483	40.91566	0.30727663	0.308095	0.186575	0.005623	8.461445	0.197236	0.198082	0.094091	0.093076	0.084445	0.084445
110	0.241052	55.40007	0.41605452	0.417163	0.252624	0.010309	11.45685	0.267059	0.268205	0.1274	0.126025	0.114339	0.114339
140	0.306793	61.9748	0.46543075	0.46667	0.282605	0.013121	12.92507	0.301283	0.302576	0.143727	0.142176	0.128992	0.128992
180	0.394449	69.37179	0.52098213	0.52237	0.316335	0.016869	14.65565	0.341623	0.343089	0.162971	0.161212	0.146263	0.146263
365	0.799854	88.73831	0.66642472	0.668199	0.404647	0.034207	20.86966	0.486472	0.488559	0.232071	0.229566	0.208279	0.208279
545	1.194302	95.74569	0.71905013	0.720965	0.4366	0.051077	25.50159	0.594442	0.596992	0.283578	0.280517	0.254506	0.254506
730	1.599708	98.43573	0.73925235	0.741221	0.448867	0.068415	29.51416	0.687975	0.690926	0.328197	0.324656	0.294551	0.294551
1095	2.399562	99.78272	0.74936823	0.751364	0.455009	0.102622	36.14731	0.842594	0.846209	0.401958	0.39762	0.36075	0.36075
1460	3.199416	99.96982	0.75077334	0.752773	0.455862	0.13683	41.73932	0.972944	0.977117	0.464141	0.459133	0.416558	0.416558
1825	3.99927	99.99581	0.75096852	0.752968	0.455981	0.171037	46.66598	1.087784	1.092451	0.518926	0.513326	0.465726	0.465726
3650	7.998539	100	0.751	0.753	0.456	0.342074	65.14567	1.518546	1.52506	0.72442	0.716602	0.650154	0.650154
7300	15.99708	100	0.751	0.753	0.456	0.684149	85.01635	1.981731	1.990233	0.945382	0.93518	0.848463	0.848463
18250	39.9927	100	0.751	0.753	0.456	1.710372	98.80958	2.303251	2.313132	1.098763	1.086905	0.98612	0.98612

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.751 in (from SETANL)
 Total layer sett@ 45: 0.753
 Total layer sett@ 60: 0.456
 Total layer sett@ 110: 0.453
 Total layer sett@ 140: 0.421
 Total layer sett@ 180: 0.421
 Total layer sett@ 365: 0.421
 Total layer sett@ 545: 0.421
 Total layer sett@ 730: 0.421
 Total layer sett@ 1095: 0.421
 Total layer sett@ 1460: 0.421
 Total layer sett@ 1825: 0.421
 Total layer sett@ 3650: 0.421
 Total layer sett@ 20: 0.421
 Total layer sett@ 50: 0.421
 Cv: 0.03 ft²/day
 Hdr: 3.7 ft

Layer 6
 Total layer sett@ 30 days: 2.822 in (from SETANL)
 Total layer sett@ 45: 2.835
 Total layer sett@ 60: 1.321
 Total layer sett@ 110: 1.307
 Total layer sett@ 140: 1.184
 Total layer sett@ 180: 1.184
 Total layer sett@ 365: 1.184
 Total layer sett@ 545: 1.184
 Total layer sett@ 730: 1.184
 Total layer sett@ 1095: 1.184
 Total layer sett@ 1460: 1.184
 Total layer sett@ 1825: 1.184
 Total layer sett@ 3650: 1.184
 Total layer sett@ 20: 1.184
 Total layer sett@ 50: 1.184
 Cv: 0.04 ft²/day
 Hdr: 37.658 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	0.065741	28.93174	0.21727739	0.217856	0.131929	0.059712
45	0.098612	35.434	0.26610936	0.266818	0.161579	0.073132
60	0.131483	40.91566	0.30727663	0.308095	0.186575	0.084445
110	0.241052	55.40007	0.41605452	0.417163	0.252624	0.114339
140	0.306793	61.9748	0.46543075	0.46667	0.282605	0.128992
180	0.394449	69.37179	0.52098213	0.52237	0.316335	0.146263
365	0.799854	88.73831	0.66642472	0.668199	0.404647	0.208279
545	1.194302	95.74569	0.71905013	0.720965	0.4366	0.254506
730	1.599708	98.43573	0.73925235	0.741221	0.448867	0.294551
1095	2.399562	99.78272	0.74936823	0.751364	0.455009	0.36075
1460	3.199416	99.96982	0.75077334	0.752773	0.455862	0.416558
1825	3.99927	99.99581	0.75096852	0.752968	0.455981	0.465726
3650	7.998539	100	0.751	0.753	0.456	0.650154
7300	15.99708	100	0.751	0.753	0.456	0.848463
18250	39.9927	100	0.751	0.753	0.456	0.98612

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.000846	3.282377	0.092629	0.093055	0.04336
45	0.001269	4.020074	0.113446	0.113969	0.053105
60	0.001692	4.641982	0.130997	0.1316	0.061321
110	0.003103	6.285273	0.17737	0.178187	0.083028
140	0.003949	7.090744	0.200101	0.201023	0.093669
180	0.005077	8.040148	0.226893	0.227938	0.10621
365	0.010295	11.44918	0.323096	0.324584	0.151244
545	0.015372	13.99027	0.394805	0.396624	0.184811
730	0.020591	16.19158	0.456926	0.459031	0.213891
1095	0.030886	19.83055	0.559618	0.562196	0.261962
1460	0.041181	22.89835	0.646192	0.649168	0.302487
1825	0.051476	25.60114	0.722464	0.725792	0.338191
3650	0.102953	36.20547	1.021718	1.026425	0.478274
7300	0.205906	51.20227	1.444928	1.451584	0.676382
18250	0.514764	77.24033	2.179722	2.189763	1.020345

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.751 in (from SETANL)
 Total layer sett@ 45: 0.753
 Total layer sett@ 60: 0.456
 Total layer sett@ 110: 0.453
 Total layer sett@ 140: 0.421
 Total layer sett@ 180: 0.421
 Total layer sett@ 365: 0.421
 Total layer sett@ 545: 0.421
 Total layer sett@ 730: 0.421
 Total layer sett@ 1095: 0.421
 Total layer sett@ 1460: 0.421
 Total layer sett@ 1825: 0.421
 Total layer sett@ 3650: 0.421
 Total layer sett@ 20: 0.421
 Total layer sett@ 50: 0.421
 Cv: 0.03 ft²/day
 Hdr: 3.7 ft

Layer 7
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.21727739	0.217856	0.131929	0.038863	0.038863	0.038863	0.038863
45	0.098612	35.434	0.26610936	0.266818	0.161579	0.047598	0.047598	0.047598	0.047598
60	0.131483	40.91566	0.30727663	0.308095	0.186575	0.054961	0.054961	0.054961	0.054961
110	0.241052	55.40007	0.41605452	0.417163	0.252624	0.074418	0.074418	0.074418	0.074418
140	0.306793	61.9748	0.46543075	0.46667	0.282605	0.083954	0.083954	0.083954	0.083954
180	0.394449	69.37179	0.52098213	0.52237	0.316335	0.095195	0.095195	0.095195	0.095195
365	0.799854	88.73831	0.66642472	0.668199	0.404647	0.135558	0.135558	0.135558	0.135558
545	1.194302	95.74569	0.71905013	0.720965	0.4366	0.165645	0.165645	0.165645	0.165645
730	1.599708	98.43573	0.73925235	0.741221	0.448867	0.191708	0.191708	0.191708	0.191708
1095	2.399562	99.78272	0.74936823	0.751364	0.455009	0.234794	0.234794	0.234794	0.234794
1460	3.199416	99.96982	0.75077334	0.752773	0.455862	0.271116	0.271116	0.271116	0.271116
1825	3.99927	99.99581	0.75096852	0.752968	0.455981	0.303117	0.303117	0.303117	0.303117
3650	7.998539	100	0.751	0.753	0.456	0.428673	0.428673	0.428673	0.428673
7300	15.99708	100	0.751	0.753	0.456	0.606235	0.606235	0.606235	0.606235
18250	39.9927	100	0.751	0.753	0.456	0.914526	0.914526	0.914526	0.914526

time, t (days)	Tv
0	0
30	0.000185
45	0.000277
60	0.000369
110	0.000677
140	0.000862
180	0.001108
365	0.002247
545	0.003355
730	0.004494
1095	0.006741
1460	0.008988
1825	0.011235
3650	0.022471
7300	0.044942
18250	0.112354

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1

Total layer sett@ 30 days:	0.751 in	(from SETANL)	2.182 in	(from SETANL)
Total layer sett@ 45:	0.753		2.192	
Total layer sett@ 60:	0.456		1.011	
Total layer sett@ 110:	0.453		1	
Total layer sett@ 140:	0.421		0.905	
Total layer sett@ 180:	0.421		0.905	
Total layer sett@ 365:	0.421		0.905	
Total layer sett@ 545:	0.421		0.905	
Total layer sett@ 730:	0.421		0.905	
Total layer sett@ 1095:	0.421		0.905	
Total layer sett@ 1460:	0.421		0.905	
Total layer sett@ 1825:	0.421		0.905	
Total layer sett@ 3650:	0.421		0.905	
Total layer sett@ 20:	0.421		0.905	
Total layer sett@ 50:	0.421		0.905	
Cv:	0.03 ft ² /day		0.02 ft ² /day	
Hdr:	3.7 ft		56.997 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.21727739	0.217856	0.131929	1.533482	0.033461	0.033614	0.015504	0.015335	0.013878	0.013878	0.013878
45	0.098612	35.434	0.26610936	0.266818	0.161579	1.878124	0.040981	0.041168	0.018988	0.018781	0.016997	0.016997	0.016997
60	0.131483	40.91566	0.30727663	0.308095	0.186575	2.168671	0.04732	0.047537	0.021925	0.021687	0.019626	0.019626	0.019626
110	0.241052	55.40007	0.41605452	0.417163	0.252624	2.936395	0.064072	0.064366	0.029687	0.029364	0.026574	0.026574	0.026574
140	0.306793	61.9748	0.46543075	0.46667	0.282605	3.3127	0.072283	0.072614	0.033491	0.033127	0.02998	0.02998	0.02998
180	0.394449	69.37179	0.52098213	0.52237	0.316335	3.756248	0.081961	0.082337	0.037976	0.037562	0.033994	0.033994	0.033994
365	0.799854	88.73831	0.66642472	0.668199	0.404647	5.3489	0.116713	0.117248	0.054077	0.053489	0.048408	0.048408	0.048408
545	1.194302	95.74569	0.71905013	0.720965	0.4366	6.536064	0.142617	0.143271	0.06608	0.065361	0.059151	0.059151	0.059151
730	1.599708	98.43573	0.73925235	0.741221	0.448867	7.564487	0.165057	0.165814	0.076477	0.075645	0.068459	0.068459	0.068459
1095	2.399562	99.78272	0.74936823	0.751364	0.455009	9.264567	0.202153	0.203079	0.093665	0.092646	0.083844	0.083844	0.083844
1460	3.199416	99.96982	0.75077334	0.752773	0.455862	10.6978	0.233426	0.234496	0.108155	0.106978	0.096815	0.096815	0.096815
1825	3.99927	99.99581	0.75096852	0.752968	0.455981	11.9605	0.260978	0.262174	0.120921	0.119605	0.108243	0.108243	0.108243
3650	7.998539	100	0.751	0.753	0.456	16.91471	0.369079	0.37077	0.171008	0.169147	0.153078	0.153078	0.153078
7300	15.99708	100	0.751	0.753	0.456	23.92101	0.521956	0.524349	0.241841	0.23921	0.216485	0.216485	0.216485
18250	39.9927	100	0.751	0.753	0.456	37.82244	0.825286	0.829068	0.382385	0.378224	0.342293	0.342293	0.342293

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.751 in (from SETANL)
 Total layer sett@ 45: 0.753
 Total layer sett@ 60: 0.456
 Total layer sett@ 110: 0.453
 Total layer sett@ 140: 0.421
 Total layer sett@ 180: 0.421
 Total layer sett@ 365: 0.421
 Total layer sett@ 545: 0.421
 Total layer sett@ 730: 0.421
 Total layer sett@ 1095: 0.421
 Total layer sett@ 1460: 0.421
 Total layer sett@ 1825: 0.421
 Total layer sett@ 3650: 0.421
 Total layer sett@ 20: 0.421
 Total layer sett@ 50: 0.421
 Cv: 0.03 ft²/day
 Hdr: 3.7 ft

Layer 8
 Total layer sett@ 30 days: in (from SETANL)
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: ft²/day
 Hdr: ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.065741	28.93174	0.21727739	0.217856	0.131929
45	0.098612	35.434	0.26610936	0.266818	0.161579
60	0.131483	40.91566	0.30727663	0.308095	0.186575
110	0.241052	55.40007	0.41605452	0.417163	0.252624
140	0.306793	61.9748	0.46543075	0.46667	0.282605
180	0.394449	69.37179	0.52098213	0.52237	0.316335
365	0.799854	88.73831	0.66642472	0.668199	0.404647
545	1.194302	95.74569	0.71905013	0.720965	0.4366
730	1.599708	98.43573	0.73925235	0.741221	0.448867
1095	2.399562	99.78272	0.74936823	0.751364	0.455009
1460	3.199416	99.96982	0.75077334	0.752773	0.455862
1825	3.99927	99.99581	0.75096852	0.752968	0.455981
3650	7.998539	100	0.751	0.753	0.456
7300	15.99708	100	0.751	0.753	0.456
18250	39.9927	100	0.751	0.753	0.456

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	#DIV/0!	#DIV/0!			
45	#DIV/0!	#DIV/0!			
60	#DIV/0!	#DIV/0!			
110	#DIV/0!	#DIV/0!			
140	#DIV/0!	#DIV/0!			
180	#DIV/0!	#DIV/0!			
365	#DIV/0!	#DIV/0!			
545	#DIV/0!	#DIV/0!			
730	#DIV/0!	#DIV/0!			
1095	#DIV/0!	#DIV/0!			
1460	#DIV/0!	#DIV/0!			
1825	#DIV/0!	#DIV/0!			
3650	#DIV/0!	#DIV/0!			
7300	#DIV/0!	#DIV/0!			
18250	#DIV/0!	#DIV/0!			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.751 in (from SETANL)
 Total layer sett@ 45: 0.753
 Total layer sett@ 60: 0.456
 Total layer sett@ 110: 0.453
 Total layer sett@ 140: 0.421
 Total layer sett@ 180: 0.421
 Total layer sett@ 365: 0.421
 Total layer sett@ 545: 0.421
 Total layer sett@ 730: 0.421
 Total layer sett@ 1095: 0.421
 Total layer sett@ 1460: 0.421
 Total layer sett@ 1825: 0.421
 Total layer sett@ 3650: 0.421
 Total layer sett@ 20: 0.421
 Total layer sett@ 50: 0.421
 Cv: 0.03 ft²/day
 Hdr: 3.7 ft

Layer 9
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.21727739	0.217856	0.131929				
45	0.098612	35.434	0.26610936	0.266818	0.161579				
60	0.131483	40.91566	0.30727663	0.308095	0.186575				
110	0.241052	55.40007	0.41605452	0.417163	0.252624				
140	0.306793	61.9748	0.46543075	0.46667	0.282605				
180	0.394449	69.37179	0.52098213	0.52237	0.316335				
365	0.799854	88.73831	0.66642472	0.668199	0.404647				
545	1.194302	95.74569	0.71905013	0.720965	0.4366				
730	1.599708	98.43573	0.73925235	0.741221	0.448867				
1095	2.399562	99.78272	0.74936823	0.751364	0.455009				
1460	3.199416	99.96982	0.75077334	0.752773	0.455862				
1825	3.99927	99.99581	0.75096852	0.752968	0.455981				
3650	7.998539	100	0.751	0.753	0.456				
7300	15.99708	100	0.751	0.753	0.456				
18250	39.9927	100	0.751	0.753	0.456				

time, t (days)	Tv
0	0
30	#DIV/0!
45	#DIV/0!
60	#DIV/0!
110	#DIV/0!
140	#DIV/0!
180	#DIV/0!
365	#DIV/0!
545	#DIV/0!
730	#DIV/0!
1095	#DIV/0!
1460	#DIV/0!
1825	#DIV/0!
3650	#DIV/0!
7300	#DIV/0!
18250	#DIV/0!

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft										
Layer 1										
Total layer sett@ 30 days:		0.751 in	(from SETANL)				in		(from SETA	
Total layer sett@ 45:		0.753								
Total layer sett@ 60:		0.456								
Total layer sett@ 110:		0.453								
Total layer sett@ 140:		0.421								
Total layer sett@ 180:		0.421								
Total layer sett@ 365:		0.421								
Total layer sett@ 545:		0.421								
Total layer sett@ 730:		0.421								
Total layer sett@ 1095:		0.421								
Total layer sett@ 1460:		0.421								
Total layer sett@ 1825:		0.421								
Total layer sett@ 3650:		0.421								
Total layer sett@ 20:		0.421								
Total layer sett@ 50:		0.421								
Cv:		0.03 ft ² /day					ft ² /day			
Hdr:		3.7 ft					ft			
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45		
0	0	0	0	0	0	0	0	0		
30	0.065741	28.93174	0.21727739	0.217856	0.131929	#DIV/0!				
45	0.098612	35.434	0.26610936	0.266818	0.161579	#DIV/0!				
60	0.131483	40.91566	0.30727663	0.308095	0.186575	#DIV/0!				
110	0.241052	55.40007	0.41605452	0.417163	0.252624	#DIV/0!				
140	0.306793	61.9748	0.46543075	0.46667	0.282605	#DIV/0!				
180	0.394449	69.37179	0.52098213	0.52237	0.316335	#DIV/0!				
365	0.799854	88.73831	0.66642472	0.668199	0.404647	#DIV/0!				
545	1.194302	95.74569	0.71905013	0.720965	0.4366	#DIV/0!				
730	1.599708	98.43573	0.73925235	0.741221	0.448867	#DIV/0!				
1095	2.399562	99.78272	0.74936823	0.751364	0.455009	#DIV/0!				
1460	3.199416	99.96982	0.75077334	0.752773	0.455862	#DIV/0!				
1825	3.99927	99.99581	0.75096852	0.752968	0.455981	#DIV/0!				
3650	7.998539	100	0.751	0.753	0.456	#DIV/0!				
7300	15.99708	100	0.751	0.753	0.456	#DIV/0!				
18250	39.9927	100	0.751	0.753	0.456	#DIV/0!				

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.834991384	0.069582615	0.83820374	0.069850312	0.431655483	0.03597129	0.427668371	0.035639031
45	0.123287671	1.022651415	0.085220951	1.026585732	0.085548811	0.528667839	0.044055653	0.523784644	0.04364872
60	0.164383562	1.18085614	0.098404678	1.185399097	0.098783258	0.610453039	0.050871087	0.60481441	0.050401201
110	0.301369863	1.598886771	0.133240564	1.605037965	0.133753164	0.826557322	0.068879777	0.818922583	0.068243549
140	0.383561644	1.799845495	0.149987125	1.806774479	0.15056454	0.930088842	0.077507404	0.921491442	0.076790954
180	0.493150685	2.034066229	0.169505519	2.041904938	0.170158745	1.050512922	0.087542744	1.040791417	0.086732618
365	1	2.819238275	0.234936523	2.830192689	0.235849391	1.449175078	0.12076459	1.435640034	0.119636669
545	1.493150685	3.33924235	0.278270196	3.352332816	0.279361068	1.707656486	0.142304707	1.691544174	0.140962014
730	2	3.751881411	0.312656784	3.766704673	0.313892056	1.909866924	0.159155577	1.891680587	0.157640049
1095	3	4.375508674	0.364625723	4.392991521	0.366082627	2.212273341	0.184356112	2.190918706	0.182576559
1460	4	4.851537943	0.404294829	4.871069333	0.405922444	2.441618331	0.203468194	2.417830557	0.20148588
1825	5	5.240609118	0.436717427	5.261821854	0.438485155	2.628470464	0.219039205	2.602689726	0.216890811
3650	10	6.518353967	0.543196164	6.545127616	0.545427301	3.239073778	0.269922815	3.206750725	0.267229227
7300	20	7.783748288	0.648645691	7.816106205	0.651342184	3.839247537	0.319937295	3.800486088	0.316707174
18250	50	9.189025798	0.76575215	9.227729265	0.768977439	4.499378455	0.374948205	4.453548412	0.371129034

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days			Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.834991384	0.069582615	0.83820374	0.391341174	0.032611765	0.391341174	0.032611765	0.391341174	0.032611765
45	0.123287671	1.022651415	0.085220951	1.026585732	0.479293096	0.039941091	0.479293096	0.039941091	0.479293096	0.039941091
60	0.164383562	1.18085614	0.098404678	1.185399097	0.553439996	0.04612	0.553439996	0.04612	0.553439996	0.04612
110	0.301369863	1.598886771	0.133240564	1.605037965	0.749361298	0.062446775	0.749361298	0.062446775	0.749361298	0.062446775
140	0.383561644	1.799845495	0.149987125	1.806774479	0.843183699	0.070265308	0.843183699	0.070265308	0.843183699	0.070265308
180	0.493150685	2.034066229	0.169505519	2.041904938	0.952287113	0.079357259	0.952287113	0.079357259	0.952287113	0.079357259
365	1	2.819238275	0.234936523	2.830192689	1.312908578	0.109409048	1.312908578	0.109409048	1.312908578	0.109409048
545	1.493150685	3.33924235	0.278270196	3.352332816	1.546102798	0.1288419	1.546102798	0.1288419	1.546102798	0.1288419
730	2	3.751881411	0.312656784	3.766704673	1.728204868	0.144017072	1.728204868	0.144017072	1.728204868	0.144017072
1095	3	4.375508674	0.364625723	4.392991521	2.000190988	0.166682582	2.000190988	0.166682582	2.000190988	0.166682582
1460	4	4.851537943	0.404294829	4.871069333	2.206314913	0.183859576	2.206314913	0.183859576	2.206314913	0.183859576
1825	5	5.240609118	0.436717427	5.261821854	2.374193972	0.197849498	2.374193972	0.197849498	2.374193972	0.197849498
3650	10	6.518353967	0.543196164	6.545127616	2.922521901	0.243543492	2.922521901	0.243543492	2.922521901	0.243543492
7300	20	7.783748288	0.648645691	7.816106205	3.461058861	0.288421572	3.461058861	0.288421572	3.461058861	0.288421572
18250	50	9.189025798	0.76575215	9.227729265	4.052835854	0.337736321	4.052835854	0.337736321	4.052835854	0.337736321

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	0.834991384	0.069582615	0.83820374	0.391341174	0.032611765	0.391341174	0.032611765	0.391341174	0.032611765	0.391341174	
45	0.123287671	1.022651415	0.085220951	1.026585732	0.479293096	0.039941091	0.479293096	0.039941091	0.479293096	0.039941091	0.479293096	
60	0.164383562	1.18085614	0.098404678	1.185399097	0.553439996	0.04612	0.553439996	0.04612	0.553439996	0.04612	0.553439996	
110	0.301369863	1.598886771	0.133240564	1.605037965	0.749361298	0.062446775	0.749361298	0.062446775	0.749361298	0.062446775	0.749361298	
140	0.383561644	1.799845495	0.149987125	1.806774479	0.843183699	0.070265308	0.843183699	0.070265308	0.843183699	0.070265308	0.843183699	
180	0.493150685	2.034066229	0.169505519	2.041904938	0.952287113	0.079357259	0.952287113	0.079357259	0.952287113	0.079357259	0.952287113	
365	1	2.819238275	0.234936523	2.830192689	1.312908578	0.109409048	1.312908578	0.109409048	1.312908578	0.109409048	1.312908578	
545	1.493150685	3.33924235	0.278270196	3.352332816	1.546102798	0.1288419	1.546102798	0.1288419	1.546102798	0.1288419	1.546102798	
730	2	3.751881411	0.312656784	3.766704673	1.728204868	0.144017072	1.728204868	0.144017072	1.728204868	0.144017072	1.728204868	
1095	3	4.375508674	0.364625723	4.392991521	2.000190988	0.166682582	2.000190988	0.166682582	2.000190988	0.166682582	2.000190988	
1460	4	4.851537943	0.404294829	4.871069333	2.206314913	0.183859576	2.206314913	0.183859576	2.206314913	0.183859576	2.206314913	
1825	5	5.240609118	0.436717427	5.261821854	2.374193972	0.197849498	2.374193972	0.197849498	2.374193972	0.197849498	2.374193972	
3650	10	6.518353967	0.543196164	6.545127616	2.922521901	0.243543492	2.922521901	0.243543492	2.922521901	0.243543492	2.922521901	
7300	20	7.783748288	0.648645691	7.816106205	3.461058861	0.288421572	3.461058861	0.288421572	3.461058861	0.288421572	3.461058861	
18250	50	9.189025798	0.76575215	9.227729265	4.052835854	0.337736321	4.052835854	0.337736321	4.052835854	0.337736321	4.052835854	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.834991384	0.069582615	0.83820374	0.032611765	0.391341174	0.032611765	0.391341174	0.032611765
45	0.123287671	1.022651415	0.085220951	1.026585732	0.039941091	0.479293096	0.039941091	0.479293096	0.039941091
60	0.164383562	1.18085614	0.098404678	1.185399097	0.04612	0.553439996	0.04612	0.553439996	0.04612
110	0.301369863	1.598886771	0.133240564	1.605037965	0.062446775	0.749361298	0.062446775	0.749361298	0.062446775
140	0.383561644	1.799845495	0.149987125	1.806774479	0.070265308	0.843183699	0.070265308	0.843183699	0.070265308
180	0.493150685	2.034066229	0.169505519	2.041904938	0.079357259	0.952287113	0.079357259	0.952287113	0.079357259
365	1	2.819238275	0.234936523	2.830192689	0.109409048	1.312908578	0.109409048	1.312908578	0.109409048
545	1.493150685	3.33924235	0.278270196	3.352332816	0.1288419	1.546102798	0.1288419	1.546102798	0.1288419
730	2	3.751881411	0.312656784	3.766704673	0.144017072	1.728204868	0.144017072	1.728204868	0.144017072
1095	3	4.375508674	0.364625723	4.392991521	0.166682582	2.000190988	0.166682582	2.000190988	0.166682582
1460	4	4.851537943	0.404294829	4.871069333	0.183859576	2.206314913	0.183859576	2.206314913	0.183859576
1825	5	5.240609118	0.436717427	5.261821854	0.197849498	2.374193972	0.197849498	2.374193972	0.197849498
3650	10	6.518353967	0.543196164	6.545127616	0.243543492	2.922521901	0.243543492	2.922521901	0.243543492
7300	20	7.783748288	0.648645691	7.816106205	0.288421572	3.461058861	0.288421572	3.461058861	0.288421572
18250	50	9.189025798	0.76575215	9.227729265	0.337736321	4.052835854	0.337736321	4.052835854	0.337736321

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft		Settlement 45 days		Settlement 5 years	Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0
30	0.082191781	0.834991384	0.069582615	0.83820374	0.391341174	0.032611765	0.391341174	0.032611765
45	0.123287671	1.022651415	0.085220951	1.026585732	0.479293096	0.039941091	0.479293096	0.039941091
60	0.164383562	1.18085614	0.098404678	1.185399097	0.553439996	0.04612	0.553439996	0.04612
110	0.301369863	1.598886771	0.133240564	1.605037965	0.749361298	0.062446775	0.749361298	0.062446775
140	0.383561644	1.799845495	0.149987125	1.806774479	0.843183699	0.070265308	0.843183699	0.070265308
180	0.493150685	2.034066229	0.169505519	2.041904938	0.952287113	0.079357259	0.952287113	0.079357259
365	1	2.819238275	0.234936523	2.830192689	1.312908578	0.109409048	1.312908578	0.109409048
545	1.493150685	3.33924235	0.278270196	3.352332816	1.546102798	0.1288419	1.546102798	0.1288419
730	2	3.751881411	0.312656784	3.766704673	1.728204868	0.144017072	1.728204868	0.144017072
1095	3	4.375508674	0.364625723	4.392991521	2.000190988	0.166682582	2.000190988	0.166682582
1460	4	4.851537943	0.404294829	4.871069333	2.206314913	0.183859576	2.206314913	0.183859576
1825	5	5.240609118	0.436717427	5.261821854	2.374193972	0.197849498	2.374193972	0.197849498
3650	10	6.518353967	0.543196164	6.545127616	2.922521901	0.243543492	2.922521901	0.243543492
7300	20	7.783748288	0.648645691	7.816106205	3.461058861	0.288421572	3.461058861	0.288421572
18250	50	9.189025798	0.76575215	9.227729265	4.052835854	0.337736321	4.052835854	0.337736321

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.834991384	0.069582615	0.83820374	0.391341174	0.032611765	0.391341174	0.032611765	
45	0.123287671	1.022651415	0.085220951	1.026585732	0.479293096	0.039941091	0.479293096	0.039941091	
60	0.164383562	1.18085614	0.098404678	1.185399097	0.553439996	0.04612	0.553439996	0.04612	
110	0.301369863	1.598886771	0.133240564	1.605037965	0.749361298	0.062446775	0.749361298	0.062446775	
140	0.383561644	1.799845495	0.149987125	1.806774479	0.843183699	0.070265308	0.843183699	0.070265308	
180	0.493150685	2.034066229	0.169505519	2.041904938	0.952287113	0.079357259	0.952287113	0.079357259	
365	1	2.819238275	0.234936523	2.830192689	1.312908578	0.109409048	1.312908578	0.109409048	
545	1.493150685	3.33924235	0.278270196	3.352332816	1.546102798	0.1288419	1.546102798	0.1288419	
730	2	3.751881411	0.312656784	3.766704673	1.728204868	0.144017072	1.728204868	0.144017072	
1095	3	4.375508674	0.364625723	4.392991521	2.000190988	0.166682582	2.000190988	0.166682582	
1460	4	4.851537943	0.404294829	4.871069333	2.206314913	0.183859576	2.206314913	0.183859576	
1825	5	5.240609118	0.436717427	5.261821854	2.374193972	0.197849498	2.374193972	0.197849498	
3650	10	6.518353967	0.543196164	6.545127616	2.922521901	0.243543492	2.922521901	0.243543492	
7300	20	7.783748288	0.648645691	7.816106205	3.461058861	0.288421572	3.461058861	0.288421572	
18250	50	9.189025798	0.76575215	9.227729265	4.052835854	0.337736321	4.052835854	0.337736321	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft														
Layer 1											Layer 2			
Total layer sett@ 30 days:	0.555 in				(from SETANL)						Total layer sett@ 30 days:	0.174		
Total layer sett@ 45:	0.558										Total layer sett@ 45:	0.175		
Total layer sett@ 60:	0.349										Total layer sett@ 60:	0.097		
Total layer sett@ 110:	0.349										Total layer sett@ 110:	0.097		
Total layer sett@ 140:	0.349										Total layer sett@ 140:	0.097		
Total layer sett@ 180:	0.349										Total layer sett@ 180:	0.097		
Total layer sett@ 365:	0.349										Total layer sett@ 365:	0.097		
Total layer sett@ 545:	0.349										Total layer sett@ 545:	0.097		
Total layer sett@ 730:	0.349										Total layer sett@ 730:	0.097		
Total layer sett@ 1095:	0.349										Total layer sett@ 1095:	0.097		
Total layer sett@ 1460:	0.349										Total layer sett@ 1460:	0.097		
Total layer sett@ 1825:	0.349										Total layer sett@ 1825:	0.097		
Total layer sett@ 3650:	0.349										Total layer sett@ 3650:	0.097		
Total layer sett@ 20:	0.349										Total layer sett@ 20:	0.097		
Total layer sett@ 50:	0.349										Total layer sett@ 50:	0.097		
Cv:	0.03 ft ² /day										Cv:	0.2		
Hdr:	3.7 ft										Hdr:	14.95		
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr		time, t (days)	Tv	U	
0	0	0	0	0	0	0	0	0	0		0	0	0	
30	0.065741	28.93174	0.16057117	0.161439	0.100972	0.10097178	0.100972	0.100972	0.100972		30	0.026845	18.4879812	
45	0.098612	35.434	0.19665872	0.197722	0.123665	0.12366467	0.123665	0.123665	0.123665		45	0.040268	22.6430602	
60	0.131483	40.91566	0.22708193	0.228309	0.142796	0.14279566	0.142796	0.142796	0.142796		60	0.053691	26.1459538	
110	0.241052	55.40007	0.30747038	0.309132	0.193346	0.19334624	0.193346	0.193346	0.193346		110	0.098433	35.4017888	
140	0.306793	61.9748	0.34396014	0.345819	0.216292	0.21629205	0.216292	0.216292	0.216292		140	0.125278	39.9386042	
180	0.394449	69.37179	0.38501342	0.387095	0.242108	0.24210754	0.242108	0.242108	0.242108		180	0.161072	45.2861204	
365	0.799854	88.73831	0.49249763	0.49516	0.309697	0.30969671	0.309697	0.309697	0.309697		365	0.326618	63.7904722	
545	1.194302	95.74569	0.53138858	0.534261	0.334152	0.33415246	0.334152	0.334152	0.334152		545	0.48769	75.667651	
730	1.599708	98.43573	0.54631832	0.549271	0.343541	0.34354071	0.343541	0.343541	0.343541		730	0.653237	83.828523	
1095	2.399562	99.78272	0.5537941	0.556788	0.348242	0.34824169	0.348242	0.348242	0.348242		1095	0.979855	92.7776835	
1460	3.199416	99.96982	0.5548325	0.557832	0.348895	0.34889467	0.348895	0.348895	0.348895		1460	1.306473	96.7744532	
1825	3.99927	99.99581	0.55497673	0.557977	0.348985	0.34898537	0.348985	0.348985	0.348985		1825	1.633091	98.5594439	
3650	7.998539	100	0.555	0.558	0.349	0.349	0.349	0.349	0.349		3650	3.266183	99.9744045	
7300	15.99708	100	0.555	0.558	0.349	0.349	0.349	0.349	0.349		7300	6.532365	99.9999919	
18250	39.9927	100	0.555	0.558	0.349	0.349	0.349	0.349	0.349		18250	16.33091	100	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1				Layer 3		
Total layer sett@ 30 days:	0.555 in		(from SETANL)	Total layer sett@ 30 days:	0.621 in	
Total layer sett@ 45:	0.558			Total layer sett@ 45:	0.625	
Total layer sett@ 60:	0.349			Total layer sett@ 60:	0.338	
Total layer sett@ 110:	0.349			Total layer sett@ 110:	0.338	
Total layer sett@ 140:	0.349			Total layer sett@ 140:	0.338	
Total layer sett@ 180:	0.349			Total layer sett@ 180:	0.338	
Total layer sett@ 365:	0.349			Total layer sett@ 365:	0.338	
Total layer sett@ 545:	0.349			Total layer sett@ 545:	0.338	
Total layer sett@ 730:	0.349			Total layer sett@ 730:	0.338	
Total layer sett@ 1095:	0.349			Total layer sett@ 1095:	0.338	
Total layer sett@ 1460:	0.349			Total layer sett@ 1460:	0.338	
Total layer sett@ 1825:	0.349			Total layer sett@ 1825:	0.338	
Total layer sett@ 3650:	0.349			Total layer sett@ 3650:	0.338	
Total layer sett@ 20:	0.349			Total layer sett@ 20:	0.338	
Total layer sett@ 50:	0.349			Total layer sett@ 50:	0.338	
Cv:	0.03 ft ² /day			Cv:	0.03 ft ² /day	
Hdr:	3.7 ft			Hdr:	7.391 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.16057117	0.161439	0.100972	30	0.016475	14.48349	0.089942	0.090522	0.048954	0.048954	0.048954
45	0.098612	35.434	0.19665872	0.197722	0.123665	45	0.024713	17.73858	0.110157	0.110866	0.059956	0.059956	0.059956
60	0.131483	40.91566	0.22708193	0.228309	0.142796	60	0.032951	20.48274	0.127198	0.128017	0.069232	0.069232	0.069232
110	0.241052	55.40007	0.30747038	0.309132	0.193346	110	0.06041	27.73376	0.172227	0.173336	0.09374	0.09374	0.09374
140	0.306793	61.9748	0.34396014	0.345819	0.216292	140	0.076885	31.28791	0.194298	0.195549	0.105753	0.105753	0.105753
180	0.394449	69.37179	0.38501342	0.387095	0.242108	180	0.098852	35.47715	0.220313	0.221732	0.119913	0.119913	0.119913
365	0.799854	88.73831	0.49249763	0.49516	0.309697	365	0.200451	50.51949	0.313726	0.315747	0.170756	0.170756	0.170756
545	1.194302	95.74569	0.53138858	0.534261	0.334152	545	0.299303	61.26536	0.380458	0.382909	0.207077	0.207077	0.207077
730	1.599708	98.43573	0.54631832	0.549271	0.343541	730	0.400902	69.8557	0.433804	0.436598	0.236112	0.236112	0.236112
1095	2.399562	99.78272	0.5537941	0.556788	0.348242	1095	0.601352	81.61939	0.506856	0.510121	0.275874	0.275874	0.275874
1460	3.199416	99.96982	0.5548325	0.557832	0.348895	1460	0.801803	88.79235	0.551401	0.554952	0.300118	0.300118	0.300118
1825	3.99927	99.99581	0.55497673	0.557977	0.348985	1825	1.002254	93.16609	0.578561	0.582288	0.314901	0.314901	0.314901
3650	7.998539	100	0.555	0.558	0.349	3650	2.004508	99.42397	0.617423	0.6214	0.336053	0.336053	0.336053
7300	15.99708	100	0.555	0.558	0.349	7300	4.009015	99.99591	0.620975	0.624974	0.337986	0.337986	0.337986
18250	39.9927	100	0.555	0.558	0.349	18250	10.02254	100	0.621	0.625	0.338	0.338	0.338

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1				Layer 4			
Total layer sett@ 30 days:	0.555 in	(from SETANL)	(from SETANL)	Total layer sett@ 30 days:	1.22 in		
Total layer sett@ 45:	0.558			Total layer sett@ 45:	1.229		
Total layer sett@ 60:	0.349			Total layer sett@ 60:	0.657		
Total layer sett@ 110:	0.349			Total layer sett@ 110:	0.657		
Total layer sett@ 140:	0.349			Total layer sett@ 140:	0.657		
Total layer sett@ 180:	0.349			Total layer sett@ 180:	0.657		
Total layer sett@ 365:	0.349			Total layer sett@ 365:	0.657		
Total layer sett@ 545:	0.349			Total layer sett@ 545:	0.657		
Total layer sett@ 730:	0.349			Total layer sett@ 730:	0.657		
Total layer sett@ 1095:	0.349			Total layer sett@ 1095:	0.657		
Total layer sett@ 1460:	0.349			Total layer sett@ 1460:	0.657		
Total layer sett@ 1825:	0.349			Total layer sett@ 1825:	0.657		
Total layer sett@ 3650:	0.349			Total layer sett@ 3650:	0.657		
Total layer sett@ 20:	0.349			Total layer sett@ 20:	0.657		
Total layer sett@ 50:	0.349			Total layer sett@ 50:	0.657		
Cv:	0.03 ft ² /day			Cv:	0.03 ft ² /day		
Hdr:	3.7 ft			Hdr:	12.391 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.16057117	0.161439	0.100972	0.048954	0.048954	30	0.005862	8.639129	0.105397
45	0.098612	35.434	0.19665872	0.197722	0.123665	0.059956	0.059956	45	0.008793	10.58073	0.129085
60	0.131483	40.91566	0.22708193	0.228309	0.142796	0.069232	0.069232	60	0.011724	12.21757	0.149054
110	0.241052	55.40007	0.30747038	0.309132	0.193346	0.09374	0.09374	110	0.021493	16.54267	0.201821
140	0.306793	61.9748	0.34396014	0.345819	0.216292	0.105753	0.105753	140	0.027355	18.66265	0.227684
180	0.394449	69.37179	0.38501342	0.387095	0.242108	0.119913	0.119913	180	0.035171	21.16146	0.25817
365	0.799854	88.73831	0.49249763	0.49516	0.309697	0.170756	0.170756	365	0.071318	30.13393	0.367634
545	1.194302	95.74569	0.53138858	0.534261	0.334152	0.207077	0.207077	545	0.106489	36.82202	0.449229
730	1.599708	98.43573	0.54631832	0.549271	0.343541	0.236112	0.236112	730	0.142637	42.61581	0.519913
1095	2.399562	99.78272	0.5537941	0.556788	0.348242	0.275874	0.275874	1095	0.213955	52.1935	0.636761
1460	3.199416	99.96982	0.5548325	0.557832	0.348895	0.300118	0.300118	1460	0.285273	59.90071	0.730789
1825	3.99927	99.99581	0.55497673	0.557977	0.348985	0.314901	0.314901	1825	0.356592	66.37233	0.809742
3650	7.998539	100	0.555	0.558	0.349	0.336053	0.336053	3650	0.713184	86.05246	1.04984
7300	15.99708	100	0.555	0.558	0.349	0.337986	0.337986	7300	1.426367	97.60062	1.190728
18250	39.9927	100	0.555	0.558	0.349	0.338	0.338	18250	3.565918	99.98778	1.219851

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1					
Total layer sett@ 30 days:	0.555 in	(from SETANL)	@ 30 days:	1.467 in	(from SETANL)
Total layer sett@ 45:	0.558		r sett@ 45:	1.478	
Total layer sett@ 60:	0.349		r sett@ 60:	0.78	
Total layer sett@ 110:	0.349		sett@ 110:	0.78	
Total layer sett@ 140:	0.349		sett@ 140:	0.78	
Total layer sett@ 180:	0.349		sett@ 180:	0.78	
Total layer sett@ 365:	0.349		sett@ 365:	0.78	
Total layer sett@ 545:	0.349		sett@ 545:	0.78	
Total layer sett@ 730:	0.349		sett@ 730:	0.78	
Total layer sett@ 1095:	0.349		ett@ 1095:	0.78	
Total layer sett@ 1460:	0.349		ett@ 1460:	0.78	
Total layer sett@ 1825:	0.349		ett@ 1825:	0.78	
Total layer sett@ 3650:	0.349		ett@ 3650:	0.78	
Total layer sett@ 20:	0.349		r sett@ 20:	0.78	
Total layer sett@ 50:	0.349		r sett@ 50:	0.78	
Cv:	0.03 ft ² /day		Cv:	0.12 ft ² /day	
Hdr:	3.7 ft		Hdr:	35.783 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.16057117	0.161439	0.100972	0.002812	5.983145	0.087773	0.088431	0.046669	0.046669	0.046669	0.046669
45	0.098612	35.434	0.19665872	0.197722	0.123665	0.004217	7.327827	0.107499	0.108305	0.057157	0.057157	0.057157	0.057157
60	0.131483	40.91566	0.22708193	0.228309	0.142796	0.005623	8.461445	0.124129	0.12506	0.065999	0.065999	0.065999	0.065999
110	0.241052	55.40007	0.30747038	0.309132	0.193346	0.010309	11.45685	0.168072	0.169332	0.089363	0.089363	0.089363	0.089363
140	0.306793	61.9748	0.34396014	0.345819	0.216292	0.013121	12.92507	0.189611	0.191033	0.100816	0.100816	0.100816	0.100816
180	0.394449	69.37179	0.38501342	0.387095	0.242108	0.016869	14.65565	0.214998	0.216611	0.114314	0.114314	0.114314	0.114314
365	0.799854	88.73831	0.49249763	0.49516	0.309697	0.034207	20.86966	0.306158	0.308454	0.162783	0.162783	0.162783	0.162783
545	1.194302	95.74569	0.53138858	0.534261	0.334152	0.051077	25.50159	0.374108	0.376913	0.198912	0.198912	0.198912	0.198912
730	1.599708	98.43573	0.54631832	0.549271	0.343541	0.068415	29.51416	0.432973	0.436219	0.23021	0.23021	0.23021	0.23021
1095	2.399562	99.78272	0.5537941	0.556788	0.348242	0.102622	36.14731	0.530281	0.534257	0.281949	0.281949	0.281949	0.281949
1460	3.199416	99.96982	0.5548325	0.557832	0.348895	0.13683	41.73932	0.612316	0.616907	0.325567	0.325567	0.325567	0.325567
1825	3.99927	99.99581	0.55497673	0.557977	0.348985	0.171037	46.66598	0.68459	0.689723	0.363995	0.363995	0.363995	0.363995
3650	7.998539	100	0.555	0.558	0.349	0.342074	65.14567	0.955687	0.962853	0.508136	0.508136	0.508136	0.508136
7300	15.99708	100	0.555	0.558	0.349	0.684149	85.01635	1.24719	1.256542	0.663128	0.663128	0.663128	0.663128
18250	39.9927	100	0.555	0.558	0.349	1.710372	98.80958	1.449537	1.460406	0.770715	0.770715	0.770715	0.770715

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1
 Total layer sett@ 30 days: 0.555 in (from SETANL)
 Total layer sett@ 45: 0.558
 Total layer sett@ 60: 0.349
 Total layer sett@ 110: 0.349
 Total layer sett@ 140: 0.349
 Total layer sett@ 180: 0.349
 Total layer sett@ 365: 0.349
 Total layer sett@ 545: 0.349
 Total layer sett@ 730: 0.349
 Total layer sett@ 1095: 0.349
 Total layer sett@ 1460: 0.349
 Total layer sett@ 1825: 0.349
 Total layer sett@ 3650: 0.349
 Total layer sett@ 20: 0.349
 Total layer sett@ 50: 0.349
 Cv: 0.03 ft²/day
 Hdr: 3.7 ft

Layer 6
 Total layer sett@ 30 days: 1.753 in (from SETANL)
 Total layer sett@ 45: 1.766
 Total layer sett@ 60: 0.922
 Total layer sett@ 110: 0.922
 Total layer sett@ 140: 0.922
 Total layer sett@ 180: 0.922
 Total layer sett@ 365: 0.922
 Total layer sett@ 545: 0.922
 Total layer sett@ 730: 0.922
 Total layer sett@ 1095: 0.922
 Total layer sett@ 1460: 0.922
 Total layer sett@ 1825: 0.922
 Total layer sett@ 3650: 0.922
 Total layer sett@ 20: 0.922
 Total layer sett@ 50: 0.922
 Cv: 0.04 ft²/day
 Hdr: 37.658 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	0.065741	28.93174	0.16057117	0.161439	0.100972	0.046669
45	0.098612	35.434	0.19665872	0.197722	0.123665	0.057157
60	0.131483	40.91566	0.22708193	0.228309	0.142796	0.065999
110	0.241052	55.40007	0.30747038	0.309132	0.193346	0.089363
140	0.306793	61.9748	0.34396014	0.345819	0.216292	0.100816
180	0.394449	69.37179	0.38501342	0.387095	0.242108	0.114314
365	0.799854	88.73831	0.49249763	0.49516	0.309697	0.162783
545	1.194302	95.74569	0.53138858	0.534261	0.334152	0.198912
730	1.599708	98.43573	0.54631832	0.549271	0.343541	0.23021
1095	2.399562	99.78272	0.5537941	0.556788	0.348242	0.281949
1460	3.199416	99.96982	0.5548325	0.557832	0.348895	0.325567
1825	3.99927	99.99581	0.55497673	0.557977	0.348985	0.363995
3650	7.998539	100	0.555	0.558	0.349	0.508136
7300	15.99708	100	0.555	0.558	0.349	0.663128
18250	39.9927	100	0.555	0.558	0.349	0.770715

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.000846	3.282377	0.05754	0.057967	0.030264
45	0.001269	4.020074	0.070472	0.070995	0.037065
60	0.001692	4.641982	0.081374	0.081977	0.042799
110	0.003103	6.285273	0.110181	0.110998	0.05795
140	0.003949	7.090744	0.124301	0.125223	0.065377
180	0.005077	8.040148	0.140944	0.141989	0.07413
365	0.010295	11.44918	0.200704	0.202192	0.105561
545	0.015372	13.99027	0.245249	0.247068	0.12899
730	0.020591	16.19158	0.283838	0.285943	0.149286
1095	0.030886	19.83055	0.34763	0.350208	0.182838
1460	0.041181	22.89835	0.401408	0.404385	0.211123
1825	0.051476	25.60114	0.448788	0.452116	0.236042
3650	0.102953	36.20547	0.634682	0.639389	0.333814
7300	0.205906	51.20227	0.897576	0.904232	0.472085
18250	0.514764	77.24033	1.354023	1.364064	0.712156

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1
 Total layer sett@ 30 days: 0.555 in (from SETANL)
 Total layer sett@ 45: 0.558
 Total layer sett@ 60: 0.349
 Total layer sett@ 110: 0.349
 Total layer sett@ 140: 0.349
 Total layer sett@ 180: 0.349
 Total layer sett@ 365: 0.349
 Total layer sett@ 545: 0.349
 Total layer sett@ 730: 0.349
 Total layer sett@ 1095: 0.349
 Total layer sett@ 1460: 0.349
 Total layer sett@ 1825: 0.349
 Total layer sett@ 3650: 0.349
 Total layer sett@ 20: 0.349
 Total layer sett@ 50: 0.349
 Cv: 0.03 ft²/day
 Hdr: 3.7 ft

Layer 7
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.16057117	0.161439	0.100972	0.030264	0.030264	0.030264	0.030264
45	0.098612	35.434	0.19665872	0.197722	0.123665	0.037065	0.037065	0.037065	0.037065
60	0.131483	40.91566	0.22708193	0.228309	0.142796	0.042799	0.042799	0.042799	0.042799
110	0.241052	55.40007	0.30747038	0.309132	0.193346	0.05795	0.05795	0.05795	0.05795
140	0.306793	61.9748	0.34396014	0.345819	0.216292	0.065377	0.065377	0.065377	0.065377
180	0.394449	69.37179	0.38501342	0.387095	0.242108	0.07413	0.07413	0.07413	0.07413
365	0.799854	88.73831	0.49249763	0.49516	0.309697	0.105561	0.105561	0.105561	0.105561
545	1.194302	95.74569	0.53138858	0.534261	0.334152	0.12899	0.12899	0.12899	0.12899
730	1.599708	98.43573	0.54631832	0.549271	0.343541	0.149286	0.149286	0.149286	0.149286
1095	2.399562	99.78272	0.5537941	0.556788	0.348242	0.182838	0.182838	0.182838	0.182838
1460	3.199416	99.96982	0.5548325	0.557832	0.348895	0.211123	0.211123	0.211123	0.211123
1825	3.99927	99.99581	0.55497673	0.557977	0.348985	0.236042	0.236042	0.236042	0.236042
3650	7.998539	100	0.555	0.558	0.349	0.333814	0.333814	0.333814	0.333814
7300	15.99708	100	0.555	0.558	0.349	0.472085	0.472085	0.472085	0.472085
18250	39.9927	100	0.555	0.558	0.349	0.712156	0.712156	0.712156	0.712156

time, t (days)	Tv
0	0
30	0.000185
45	0.000277
60	0.000369
110	0.000677
140	0.000862
180	0.001108
365	0.002247
545	0.003355
730	0.004494
1095	0.006741
1460	0.008988
1825	0.011235
3650	0.022471
7300	0.044942
18250	0.112354

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1			
Total layer sett@ 30 days:	0.555 in	(from SETANL)	1.346 in (from SETANL)
Total layer sett@ 45:	0.558		1.356
Total layer sett@ 60:	0.349		0.704
Total layer sett@ 110:	0.349		0.704
Total layer sett@ 140:	0.349		0.704
Total layer sett@ 180:	0.349		0.704
Total layer sett@ 365:	0.349		0.704
Total layer sett@ 545:	0.349		0.704
Total layer sett@ 730:	0.349		0.704
Total layer sett@ 1095:	0.349		0.704
Total layer sett@ 1460:	0.349		0.704
Total layer sett@ 1825:	0.349		0.704
Total layer sett@ 3650:	0.349		0.704
Total layer sett@ 20:	0.349		0.704
Total layer sett@ 50:	0.349		0.704
Cv:	0.03 ft ² /day		0.02 ft ² /day
Hdr:	3.7 ft		56.997 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.16057117	0.161439	0.100972	1.533482	0.020641	0.020794	0.010796	0.010796	0.010796	0.010796	0.010796
45	0.098612	35.434	0.19665872	0.197722	0.123665	1.878124	0.02528	0.025467	0.013222	0.013222	0.013222	0.013222	0.013222
60	0.131483	40.91566	0.22708193	0.228309	0.142796	2.168671	0.02919	0.029407	0.015267	0.015267	0.015267	0.015267	0.015267
110	0.241052	55.40007	0.30747038	0.309132	0.193346	2.936395	0.039524	0.039818	0.020672	0.020672	0.020672	0.020672	0.020672
140	0.306793	61.9748	0.34396014	0.345819	0.216292	3.3127	0.044589	0.04492	0.023321	0.023321	0.023321	0.023321	0.023321
180	0.394449	69.37179	0.38501342	0.387095	0.242108	3.756248	0.050559	0.050935	0.026444	0.026444	0.026444	0.026444	0.026444
365	0.799854	88.73831	0.49249763	0.49516	0.309697	5.3489	0.071996	0.072531	0.037656	0.037656	0.037656	0.037656	0.037656
545	1.194302	95.74569	0.53138858	0.534261	0.334152	6.536064	0.087975	0.088629	0.046014	0.046014	0.046014	0.046014	0.046014
730	1.599708	98.43573	0.54631832	0.549271	0.343541	7.564487	0.101818	0.102574	0.053254	0.053254	0.053254	0.053254	0.053254
1095	2.399562	99.78272	0.5537941	0.556788	0.348242	9.264567	0.124701	0.125628	0.065223	0.065223	0.065223	0.065223	0.065223
1460	3.199416	99.96982	0.5548325	0.557832	0.348895	10.6978	0.143992	0.145062	0.075313	0.075313	0.075313	0.075313	0.075313
1825	3.99927	99.99581	0.55497673	0.557977	0.348985	11.9605	0.160988	0.162184	0.084202	0.084202	0.084202	0.084202	0.084202
3650	7.998539	100	0.555	0.558	0.349	16.91471	0.227672	0.229363	0.11908	0.11908	0.11908	0.11908	0.11908
7300	15.99708	100	0.555	0.558	0.349	23.92101	0.321977	0.324369	0.168404	0.168404	0.168404	0.168404	0.168404
18250	39.9927	100	0.555	0.558	0.349	37.82244	0.50909	0.512872	0.26627	0.26627	0.26627	0.26627	0.26627

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1
 Total layer sett@ 30 days: 0.555 in (from SETANL)
 Total layer sett@ 45: 0.558
 Total layer sett@ 60: 0.349
 Total layer sett@ 110: 0.349
 Total layer sett@ 140: 0.349
 Total layer sett@ 180: 0.349
 Total layer sett@ 365: 0.349
 Total layer sett@ 545: 0.349
 Total layer sett@ 730: 0.349
 Total layer sett@ 1095: 0.349
 Total layer sett@ 1460: 0.349
 Total layer sett@ 1825: 0.349
 Total layer sett@ 3650: 0.349
 Total layer sett@ 20: 0.349
 Total layer sett@ 50: 0.349
 Cv: 0.03 ft²/day
 Hdr: 3.7 ft

Layer 8
 Total layer sett@ 30 days: in (from SETANL)
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: ft²/day
 Hdr: ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.065741	28.93174	0.16057117	0.161439	0.100972
45	0.098612	35.434	0.19665872	0.197722	0.123665
60	0.131483	40.91566	0.22708193	0.228309	0.142796
110	0.241052	55.40007	0.30747038	0.309132	0.193346
140	0.306793	61.9748	0.34396014	0.345819	0.216292
180	0.394449	69.37179	0.38501342	0.387095	0.242108
365	0.799854	88.73831	0.49249763	0.49516	0.309697
545	1.194302	95.74569	0.53138858	0.534261	0.334152
730	1.599708	98.43573	0.54631832	0.549271	0.343541
1095	2.399562	99.78272	0.5537941	0.556788	0.348242
1460	3.199416	99.96982	0.5548325	0.557832	0.348895
1825	3.99927	99.99581	0.55497673	0.557977	0.348985
3650	7.998539	100	0.555	0.558	0.349
7300	15.99708	100	0.555	0.558	0.349
18250	39.9927	100	0.555	0.558	0.349

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	#DIV/0!	#DIV/0!			
45	#DIV/0!	#DIV/0!			
60	#DIV/0!	#DIV/0!			
110	#DIV/0!	#DIV/0!			
140	#DIV/0!	#DIV/0!			
180	#DIV/0!	#DIV/0!			
365	#DIV/0!	#DIV/0!			
545	#DIV/0!	#DIV/0!			
730	#DIV/0!	#DIV/0!			
1095	#DIV/0!	#DIV/0!			
1460	#DIV/0!	#DIV/0!			
1825	#DIV/0!	#DIV/0!			
3650	#DIV/0!	#DIV/0!			
7300	#DIV/0!	#DIV/0!			
18250	#DIV/0!	#DIV/0!			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1

Total layer sett@ 30 days: 0.555 in (from SETANL)
 Total layer sett@ 45: 0.558
 Total layer sett@ 60: 0.349
 Total layer sett@ 110: 0.349
 Total layer sett@ 140: 0.349
 Total layer sett@ 180: 0.349
 Total layer sett@ 365: 0.349
 Total layer sett@ 545: 0.349
 Total layer sett@ 730: 0.349
 Total layer sett@ 1095: 0.349
 Total layer sett@ 1460: 0.349
 Total layer sett@ 1825: 0.349
 Total layer sett@ 3650: 0.349
 Total layer sett@ 20: 0.349
 Total layer sett@ 50: 0.349
 Cv: 0.03 ft²/day
 Hdr: 3.7 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.065741	28.93174	0.16057117	0.161439	0.100972				
45	0.098612	35.434	0.19665872	0.197722	0.123665				
60	0.131483	40.91566	0.22708193	0.228309	0.142796				
110	0.241052	55.40007	0.30747038	0.309132	0.193346				
140	0.306793	61.9748	0.34396014	0.345819	0.216292				
180	0.394449	69.37179	0.38501342	0.387095	0.242108				
365	0.799854	88.73831	0.49249763	0.49516	0.309697				
545	1.194302	95.74569	0.53138858	0.534261	0.334152				
730	1.599708	98.43573	0.54631832	0.549271	0.343541				
1095	2.399562	99.78272	0.5537941	0.556788	0.348242				
1460	3.199416	99.96982	0.5548325	0.557832	0.348895				
1825	3.99927	99.99581	0.55497673	0.557977	0.348985				
3650	7.998539	100	0.555	0.558	0.349				
7300	15.99708	100	0.555	0.558	0.349				
18250	39.9927	100	0.555	0.558	0.349				

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.554033558	0.046169463	0.557681454	0.046473454	0.312346146	0.026028845	0.312346146	0.026028845
45	0.123287671	0.678549758	0.056545813	0.6830175	0.056918125	0.38254434	0.031878695	0.38254434	0.031878695
60	0.164383562	0.783521771	0.065293481	0.788680676	0.06572339	0.441724155	0.036810346	0.441724155	0.036810346
110	0.301369863	1.060893493	0.088407791	1.067878683	0.08898989	0.598097334	0.049841444	0.598097334	0.049841444
140	0.383561644	1.19393604	0.09949467	1.201800649	0.100150054	0.672912866	0.056076072	0.672912866	0.056076072
180	0.493150685	1.348795503	0.112399625	1.357686102	0.113140508	0.759866877	0.06332224	0.759866877	0.06332224
365	1	1.863711146	0.155309262	1.876062979	0.156338582	1.046310244	0.08719252	1.046310244	0.08719252
545	1.493150685	2.200069918	0.18333916	2.214741077	0.184561756	1.230464205	0.102538684	1.230464205	0.102538684
730	2	2.464525792	0.205377149	2.481054711	0.206754559	1.373703288	0.114475274	1.373703288	0.114475274
1095	3	2.861456106	0.238454675	2.880820188	0.240068349	1.587030161	0.132252513	1.587030161	0.132252513
1460	4	3.163125551	0.263593796	3.184673039	0.26538942	1.748433725	0.14570281	1.748433725	0.14570281
1825	5	3.409140171	0.284095014	3.432483248	0.286040271	1.879794654	0.156649554	1.879794654	0.156649554
3650	10	4.2142592	0.351188267	4.24354483	0.353628736	2.308423074	0.19236859	2.308423074	0.19236859
7300	20	5.007444639	0.417287053	5.042628726	0.420219061	2.728838635	0.22740322	2.728838635	0.22740322
18250	50	5.882500569	0.490208381	5.92419201	0.493682668	3.190060306	0.265838359	3.190060306	0.265838359

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 2 ft		Settlement 45 days			Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.554033558	0.046169463	0.557681454	0.312346146	0.026028845	0.312346146	0.026028845	0.312346146	0.026028845
45	0.123287671	0.678549758	0.056545813	0.6830175	0.38254434	0.031878695	0.38254434	0.031878695	0.38254434	0.031878695
60	0.164383562	0.783521771	0.065293481	0.788680676	0.441724155	0.036810346	0.441724155	0.036810346	0.441724155	0.036810346
110	0.301369863	1.060893493	0.088407791	1.067878683	0.598097334	0.049841444	0.598097334	0.049841444	0.598097334	0.049841444
140	0.383561644	1.19393604	0.09949467	1.201800649	0.672912866	0.056076072	0.672912866	0.056076072	0.672912866	0.056076072
180	0.493150685	1.348795503	0.112399625	1.357686102	0.759866877	0.06332224	0.759866877	0.06332224	0.759866877	0.06332224
365	1	1.863711146	0.155309262	1.876062979	1.046310244	0.08719252	1.046310244	0.08719252	1.046310244	0.08719252
545	1.493150685	2.200069918	0.18333916	2.214741077	1.230464205	0.102538684	1.230464205	0.102538684	1.230464205	0.102538684
730	2	2.464525792	0.205377149	2.481054711	1.373703288	0.114475274	1.373703288	0.114475274	1.373703288	0.114475274
1095	3	2.861456106	0.238454675	2.880820188	1.587030161	0.132252513	1.587030161	0.132252513	1.587030161	0.132252513
1460	4	3.163125551	0.263593796	3.184673039	1.748433725	0.14570281	1.748433725	0.14570281	1.748433725	0.14570281
1825	5	3.409140171	0.284095014	3.432483248	1.879794654	0.156649554	1.879794654	0.156649554	1.879794654	0.156649554
3650	10	4.2142592	0.351188267	4.24354483	2.308423074	0.19236859	2.308423074	0.19236859	2.308423074	0.19236859
7300	20	5.007444639	0.417287053	5.042628726	2.728838635	0.22740322	2.728838635	0.22740322	2.728838635	0.22740322
18250	50	5.882500569	0.490208381	5.92419201	3.190060306	0.265838359	3.190060306	0.265838359	3.190060306	0.265838359

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 2 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	0.554033558	0.046169463	0.557681454	0.312346146	0.026028845	0.312346146	0.026028845	0.312346146	0.026028845	0.312346146	
45	0.123287671	0.678549758	0.056545813	0.6830175	0.38254434	0.031878695	0.38254434	0.031878695	0.38254434	0.031878695	0.38254434	
60	0.164383562	0.783521771	0.065293481	0.788680676	0.441724155	0.036810346	0.441724155	0.036810346	0.441724155	0.036810346	0.441724155	
110	0.301369863	1.060893493	0.088407791	1.067878683	0.598097334	0.049841444	0.598097334	0.049841444	0.598097334	0.049841444	0.598097334	
140	0.383561644	1.19393604	0.09949467	1.201800649	0.672912866	0.056076072	0.672912866	0.056076072	0.672912866	0.056076072	0.672912866	
180	0.493150685	1.348795503	0.112399625	1.357686102	0.759866877	0.06332224	0.759866877	0.06332224	0.759866877	0.06332224	0.759866877	
365	1	1.863711146	0.155309262	1.876062979	1.046310244	0.08719252	1.046310244	0.08719252	1.046310244	0.08719252	1.046310244	
545	1.493150685	2.200069918	0.18333916	2.214741077	1.230464205	0.102538684	1.230464205	0.102538684	1.230464205	0.102538684	1.230464205	
730	2	2.464525792	0.205377149	2.481054711	1.373703288	0.114475274	1.373703288	0.114475274	1.373703288	0.114475274	1.373703288	
1095	3	2.861456106	0.238454675	2.880820188	1.587030161	0.132252513	1.587030161	0.132252513	1.587030161	0.132252513	1.587030161	
1460	4	3.163125551	0.263593796	3.184673039	1.748433725	0.14570281	1.748433725	0.14570281	1.748433725	0.14570281	1.748433725	
1825	5	3.409140171	0.284095014	3.432483248	1.879794654	0.156649554	1.879794654	0.156649554	1.879794654	0.156649554	1.879794654	
3650	10	4.2142592	0.351188267	4.24354483	2.308423074	0.19236859	2.308423074	0.19236859	2.308423074	0.19236859	2.308423074	
7300	20	5.007444639	0.417287053	5.042628726	2.728838635	0.22740322	2.728838635	0.22740322	2.728838635	0.22740322	2.728838635	
18250	50	5.882500569	0.490208381	5.92419201	3.190060306	0.265838359	3.190060306	0.265838359	3.190060306	0.265838359	3.190060306	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.554033558	0.046169463	0.557681454	0.026028845	0.312346146	0.026028845	0.312346146	0.026028845
45	0.123287671	0.678549758	0.056545813	0.6830175	0.031878695	0.38254434	0.031878695	0.38254434	0.031878695
60	0.164383562	0.783521771	0.065293481	0.788680676	0.036810346	0.441724155	0.036810346	0.441724155	0.036810346
110	0.301369863	1.060893493	0.088407791	1.067878683	0.049841444	0.598097334	0.049841444	0.598097334	0.049841444
140	0.383561644	1.19393604	0.09949467	1.201800649	0.056076072	0.672912866	0.056076072	0.672912866	0.056076072
180	0.493150685	1.348795503	0.112399625	1.357686102	0.06332224	0.759866877	0.06332224	0.759866877	0.06332224
365	1	1.863711146	0.155309262	1.876062979	0.08719252	1.046310244	0.08719252	1.046310244	0.08719252
545	1.493150685	2.200069918	0.18333916	2.214741077	0.102538684	1.230464205	0.102538684	1.230464205	0.102538684
730	2	2.464525792	0.205377149	2.481054711	0.114475274	1.373703288	0.114475274	1.373703288	0.114475274
1095	3	2.861456106	0.238454675	2.880820188	0.132252513	1.587030161	0.132252513	1.587030161	0.132252513
1460	4	3.163125551	0.263593796	3.184673039	0.14570281	1.748433725	0.14570281	1.748433725	0.14570281
1825	5	3.409140171	0.284095014	3.432483248	0.156649554	1.879794654	0.156649554	1.879794654	0.156649554
3650	10	4.2142592	0.351188267	4.24354483	0.19236859	2.308423074	0.19236859	2.308423074	0.19236859
7300	20	5.007444639	0.417287053	5.042628726	0.22740322	2.728838635	0.22740322	2.728838635	0.22740322
18250	50	5.882500569	0.490208381	5.92419201	0.265838359	3.190060306	0.265838359	3.190060306	0.265838359

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 2 ft		Settlement 45 days			Settlement 5 years		Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.554033558	0.046169463	0.557681454	0.312346146	0.026028845	0.312346146	0.026028845	0.312346146	0.026028845
45	0.123287671	0.678549758	0.056545813	0.6830175	0.38254434	0.031878695	0.38254434	0.031878695	0.38254434	0.031878695
60	0.164383562	0.783521771	0.065293481	0.788680676	0.441724155	0.036810346	0.441724155	0.036810346	0.441724155	0.036810346
110	0.301369863	1.060893493	0.088407791	1.067878683	0.598097334	0.049841444	0.598097334	0.049841444	0.598097334	0.049841444
140	0.383561644	1.19393604	0.09949467	1.201800649	0.672912866	0.056076072	0.672912866	0.056076072	0.672912866	0.056076072
180	0.493150685	1.348795503	0.112399625	1.357686102	0.759866877	0.06332224	0.759866877	0.06332224	0.759866877	0.06332224
365	1	1.863711146	0.155309262	1.876062979	1.046310244	0.08719252	1.046310244	0.08719252	1.046310244	0.08719252
545	1.493150685	2.200069918	0.18333916	2.214741077	1.230464205	0.102538684	1.230464205	0.102538684	1.230464205	0.102538684
730	2	2.464525792	0.205377149	2.481054711	1.373703288	0.114475274	1.373703288	0.114475274	1.373703288	0.114475274
1095	3	2.861456106	0.238454675	2.880820188	1.587030161	0.132252513	1.587030161	0.132252513	1.587030161	0.132252513
1460	4	3.163125551	0.263593796	3.184673039	1.748433725	0.14570281	1.748433725	0.14570281	1.748433725	0.14570281
1825	5	3.409140171	0.284095014	3.432483248	1.879794654	0.156649554	1.879794654	0.156649554	1.879794654	0.156649554
3650	10	4.2142592	0.351188267	4.24354483	2.308423074	0.19236859	2.308423074	0.19236859	2.308423074	0.19236859
7300	20	5.007444639	0.417287053	5.042628726	2.728838635	0.22740322	2.728838635	0.22740322	2.728838635	0.22740322
18250	50	5.882500569	0.490208381	5.92419201	3.190060306	0.265838359	3.190060306	0.265838359	3.190060306	0.265838359

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15c (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.554033558	0.046169463	0.557681454	0.312346146	0.026028845	0.312346146	0.026028845	
45	0.123287671	0.678549758	0.056545813	0.6830175	0.38254434	0.031878695	0.38254434	0.031878695	
60	0.164383562	0.783521771	0.065293481	0.788680676	0.441724155	0.036810346	0.441724155	0.036810346	
110	0.301369863	1.060893493	0.088407791	1.067878683	0.598097334	0.049841444	0.598097334	0.049841444	
140	0.383561644	1.19393604	0.09949467	1.201800649	0.672912866	0.056076072	0.672912866	0.056076072	
180	0.493150685	1.348795503	0.112399625	1.357686102	0.759866877	0.06332224	0.759866877	0.06332224	
365	1	1.863711146	0.155309262	1.876062979	1.046310244	0.08719252	1.046310244	0.08719252	
545	1.493150685	2.200069918	0.18333916	2.214741077	1.230464205	0.102538684	1.230464205	0.102538684	
730	2	2.464525792	0.205377149	2.481054711	1.373703288	0.114475274	1.373703288	0.114475274	
1095	3	2.861456106	0.238454675	2.880820188	1.587030161	0.132252513	1.587030161	0.132252513	
1460	4	3.163125551	0.263593796	3.184673039	1.748433725	0.14570281	1.748433725	0.14570281	
1825	5	3.409140171	0.284095014	3.432483248	1.879794654	0.156649554	1.879794654	0.156649554	
3650	10	4.2142592	0.351188267	4.24354483	2.308423074	0.19236859	2.308423074	0.19236859	
7300	20	5.007444639	0.417287053	5.042628726	2.728838635	0.22740322	2.728838635	0.22740322	
18250	50	5.882500569	0.490208381	5.92419201	3.190060306	0.265838359	3.190060306	0.265838359	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1

Total layer sett@ 30 days: 2.009 in (from SETANL)
 Total layer sett@ 45: 2.023
 Total layer sett@ 60: 1.256
 Total layer sett@ 110: 1.247
 Total layer sett@ 140: 1.239
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.08 ft²/day
 Hdr: 6 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931	0.363309	0.360978	0	0	0	0	0	0
45	0.1	35.68248	0.71686107	0.721857	0.448172	0.444961	0.442106	0	0	0	0	0	0
60	0.133333	41.20258	0.82775986	0.833528	0.517504	0.513796	0.5105	0	0	0	0	0	0
110	0.244444	55.78856	1.12079215	1.128603	0.700704	0.695683	0.69122	0	0	0	0	0	0
140	0.311111	62.37785	1.25317101	1.261904	0.783466	0.777852	0.772862	0	0	0	0	0	0
180	0.4	69.78856	1.40205208	1.411822	0.876544	0.870263	0.86468	0	0	0	0	0	0
365	0.811111	89.04688	1.78895178	1.801418	1.118429	1.110415	1.103291	0	0	0	0	0	0
545	1.211111	95.91856	1.92700388	1.940432	1.204737	1.196104	1.188431	0	0	0	0	0	0
730	1.622222	98.52028	1.97927241	1.993065	1.237415	1.228548	1.220666	0	0	0	0	0	0
1095	2.433333	99.8001	2.00498393	2.018956	1.253489	1.244507	1.236523	0	0	0	0	0	0
1460	3.244444	99.97299	2.00845745	2.022454	1.255661	1.246663	1.238665	0	0	0	0	0	0
1825	4.055556	99.99635	2.0089267	2.022926	1.255954	1.246955	1.238955	0	0	0	0	0	0
3650	8.111111	100	2.009	2.023	1.256	1.247	1.239	0	0	0	0	0	0
7300	16.222222	100	2.009	2.023	1.256	1.247	1.239	0	0	0	0	0	0
18250	40.555556	100	2.009	2.023	1.256	1.247	1.239	0	0	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft										Layer 2		
Layer 1										Layer 2		
Total layer sett@ 30 days:		2.009 in	(from SETANL)			Total layer sett@ 30 days:		0.398		0.398		
Total layer sett@ 45:		2.023				Total layer sett@ 45:		0.402		0.402		
Total layer sett@ 60:		1.256				Total layer sett@ 60:		0.219		0.219		
Total layer sett@ 110:		1.247				Total layer sett@ 110:		0.217		0.217		
Total layer sett@ 140:		1.239				Total layer sett@ 140:		0.215		0.215		
Total layer sett@ 180:						Total layer sett@ 180:						
Total layer sett@ 365:						Total layer sett@ 365:						
Total layer sett@ 545:						Total layer sett@ 545:						
Total layer sett@ 730:						Total layer sett@ 730:						
Total layer sett@ 1095:						Total layer sett@ 1095:						
Total layer sett@ 1460:						Total layer sett@ 1460:						
Total layer sett@ 1825:						Total layer sett@ 1825:						
Total layer sett@ 3650:						Total layer sett@ 3650:						
Total layer sett@ 20:						Total layer sett@ 20:						
Total layer sett@ 50:						Total layer sett@ 50:						
Cv:		0.08 ft ² /day				Cv:		0.02		0.02		
Hdr:		6 ft				Hdr:		5		5		
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931	0	0	0	0	30	0.024	17.4807749
45	0.1	35.68248	0.71686107	0.721857	0.448172	0	0	0	0	45	0.036	21.4094894
60	0.133333	41.20258	0.82775986	0.833528	0.517504	0	0	0	0	60	0.048	24.7215489
110	0.244444	55.78856	1.12079215	1.128603	0.700704	0	0	0	0	110	0.088	33.4731355
140	0.311111	62.37785	1.25317101	1.261904	0.783466	0	0	0	0	140	0.112	37.7627898
180	0.4	69.78856	1.40205208	1.411822	0.876544	0	0	0	0	180	0.144	42.8189788
365	0.811111	89.04688	1.78895178	1.801418	1.118429	0	0	0	0	365	0.292	60.560889
545	1.211111	95.91856	1.92700388	1.940432	1.204737	0	0	0	0	545	0.436	72.3569295
730	1.622222	98.52028	1.97927241	1.993065	1.237415	0	0	0	0	730	0.584	80.8151592
1095	2.433333	99.8001	2.00498393	2.018956	1.253489	0	0	0	0	1095	0.876	90.6676873
1460	3.244444	99.97299	2.00845745	2.022454	1.255661	0	0	0	0	1460	1.168	95.460371
1825	4.055556	99.99635	2.0089267	2.022926	1.255954	0	0	0	0	1825	1.46	97.7917337
3650	8.111111	100	2.009	2.023	1.256	0	0	0	0	3650	2.92	99.939854
7300	16.22222	100	2.009	2.023	1.256	0	0	0	0	7300	5.84	99.9999554
18250	40.55556	100	2.009	2.023	1.256	0	0	0	0	18250	14.6	100

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1

Total layer sett@ 30 days: 2.009 in (from SETANL) in (from SETANL)

Total layer sett@ 45: 2.023

Total layer sett@ 60: 1.256

Total layer sett@ 110: 1.247

Total layer sett@ 140: 1.239

Total layer sett@ 180:

Total layer sett@ 365:

Total layer sett@ 545:

Total layer sett@ 730:

Total layer sett@ 1095:

Total layer sett@ 1460:

Total layer sett@ 1825:

Total layer sett@ 3650:

Total layer sett@ 20:

Total layer sett@ 50:

Cv: 0.08 ft²/day ft²/day

Hdr: 6 ft ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931	0.069573	0.070273	0.038283	0.037933	0.037584	0	0	0
45	0.1	35.68248	0.71686107	0.721857	0.448172	0.08521	0.086066	0.046887	0.046459	0.04603	0	0	0
60	0.133333	41.20258	0.82775986	0.833528	0.517504	0.098392	0.099381	0.05414	0.053646	0.053151	0	0	0
110	0.244444	55.78856	1.12079215	1.128603	0.700704	0.133223	0.134562	0.073306	0.072637	0.071967	0	0	0
140	0.311111	62.37785	1.25317101	1.261904	0.783466	0.150296	0.151806	0.082701	0.081945	0.08119	0	0	0
180	0.4	69.78856	1.40205208	1.411822	0.876544	0.17042	0.172132	0.093774	0.092917	0.092061	0	0	0
365	0.811111	89.04688	1.78895178	1.801418	1.118429	0.241032	0.243455	0.132628	0.131417	0.130206	0	0	0
545	1.211111	95.91856	1.92700388	1.940432	1.204737	0.287981	0.290875	0.158462	0.157015	0.155567	0	0	0
730	1.622222	98.52028	1.97927241	1.993065	1.237415	0.321644	0.324877	0.176985	0.175369	0.173753	0	0	0
1095	2.433333	99.8001	2.00498393	2.018956	1.253489	0.360857	0.364484	0.198562	0.196749	0.194936	0	0	0
1460	3.244444	99.97299	2.00845745	2.022454	1.255661	0.379932	0.383751	0.209058	0.207149	0.20524	0	0	0
1825	4.055556	99.99635	2.0089267	2.022926	1.255954	0.389211	0.393123	0.214164	0.212208	0.210252	0	0	0
3650	8.111111	100	2.009	2.023	1.256	0.397761	0.401758	0.218868	0.216869	0.214871	0	0	0
7300	16.222222	100	2.009	2.023	1.256	0.398	0.402	0.219	0.217	0.215	0	0	0
18250	40.555556	100	2.009	2.023	1.256	0.398	0.402	0.219	0.217	0.215	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1			(from SETANL)			Layer 3		
Total layer sett@ 30 days:	2.009 in					Total layer sett@ 30 days:	0.483 in	
Total layer sett@ 45:	2.023					Total layer sett@ 45:	0.488	
Total layer sett@ 60:	1.256					Total layer sett@ 60:	0.242	
Total layer sett@ 110:	1.247					Total layer sett@ 110:	0.24	
Total layer sett@ 140:	1.239					Total layer sett@ 140:	0.237	
Total layer sett@ 180:						Total layer sett@ 180:		
Total layer sett@ 365:						Total layer sett@ 365:		
Total layer sett@ 545:						Total layer sett@ 545:		
Total layer sett@ 730:						Total layer sett@ 730:		
Total layer sett@ 1095:						Total layer sett@ 1095:		
Total layer sett@ 1460:						Total layer sett@ 1460:		
Total layer sett@ 1825:						Total layer sett@ 1825:		
Total layer sett@ 3650:						Total layer sett@ 3650:		
Total layer sett@ 20:						Total layer sett@ 20:		
Total layer sett@ 50:						Total layer sett@ 50:		
Cv:	0.08 ft ² /day					Cv:	0.03 ft ² /day	
Hdr:	6 ft					Hdr:	6 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931	30	0.025	17.84124	0.086173	0.087065	0.043176	0.042819	0.042284
45	0.1	35.68248	0.71686107	0.721857	0.448172	45	0.0375	21.85097	0.10554	0.106633	0.052879	0.052442	0.051787
60	0.133333	41.20258	0.82775986	0.833528	0.517504	60	0.05	25.23133	0.121867	0.123129	0.06106	0.060555	0.059798
110	0.244444	55.78856	1.12079215	1.128603	0.700704	110	0.091667	34.16338	0.165009	0.166717	0.082675	0.081992	0.080967
140	0.311111	62.37785	1.25317101	1.261904	0.783466	140	0.116667	38.54149	0.186155	0.188082	0.09327	0.0925	0.091343
180	0.4	69.78856	1.40205208	1.411822	0.876544	180	0.15	43.70194	0.21108	0.213265	0.105759	0.104885	0.103574
365	0.811111	89.04688	1.78895178	1.801418	1.118429	365	0.304167	61.72751	0.298144	0.30123	0.149381	0.148146	0.146294
545	1.211111	95.91856	1.92700388	1.940432	1.204737	545	0.454167	73.56891	0.355338	0.359016	0.178037	0.176565	0.174358
730	1.622222	98.52028	1.97927241	1.993065	1.237415	730	0.608333	81.93336	0.395738	0.399835	0.198279	0.19664	0.194182
1095	2.433333	99.8001	2.00498393	2.018956	1.253489	1095	0.9125	91.47159	0.441808	0.446381	0.221361	0.219532	0.216788
1460	3.244444	99.97299	2.00845745	2.022454	1.255661	1460	1.216667	95.97414	0.463555	0.468354	0.232257	0.230338	0.227459
1825	4.055556	99.99635	2.0089267	2.022926	1.255954	1825	1.520833	98.09958	0.473821	0.478726	0.237401	0.235439	0.232496
3650	8.111111	100	2.009	2.023	1.256	3650	3.041667	99.95545	0.482785	0.487783	0.241892	0.239893	0.236894
7300	16.222222	100	2.009	2.023	1.256	7300	6.083333	99.99998	0.483	0.488	0.242	0.24	0.237
18250	40.555556	100	2.009	2.023	1.256	18250	15.20833	100	0.483	0.488	0.242	0.24	0.237

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1								Layer 4			
Total layer sett@ 30 days:	2.009 in		(from SETANL)		(from SETANL)			Total layer sett@ 30 days:	0.234 in		
Total layer sett@ 45:	2.023							Total layer sett@ 45:	0.237		
Total layer sett@ 60:	1.256							Total layer sett@ 60:	0.109		
Total layer sett@ 110:	1.247							Total layer sett@ 110:	0.108		
Total layer sett@ 140:	1.239							Total layer sett@ 140:	0.107		
Total layer sett@ 180:								Total layer sett@ 180:			
Total layer sett@ 365:								Total layer sett@ 365:			
Total layer sett@ 545:								Total layer sett@ 545:			
Total layer sett@ 730:								Total layer sett@ 730:			
Total layer sett@ 1095:								Total layer sett@ 1095:			
Total layer sett@ 1460:								Total layer sett@ 1460:			
Total layer sett@ 1825:								Total layer sett@ 1825:			
Total layer sett@ 3650:								Total layer sett@ 3650:			
Total layer sett@ 20:								Total layer sett@ 20:			
Total layer sett@ 50:								Total layer sett@ 50:			
Cv:	0.08 ft ² /day							Cv:	0.2 ft ² /day		
Hdr:	6 ft							Hdr:	4 ft		
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931	0	0	30	0.375	67.86585	0.158806
45	0.1	35.68248	0.71686107	0.721857	0.448172	0	0	45	0.5625	79.76971	0.186661
60	0.133333	41.20258	0.82775986	0.833528	0.517504	0	0	60	0.75	87.26387	0.204197
110	0.244444	55.78856	1.12079215	1.128603	0.700704	0	0	110	1.375	97.27632	0.227627
140	0.311111	62.37785	1.25317101	1.261904	0.783466	0	0	140	1.75	98.92049	0.231474
180	0.4	69.78856	1.40205208	1.411822	0.876544	0	0	180	2.25	99.68572	0.233265
365	0.811111	89.04688	1.78895178	1.801418	1.118429	0	0	365	4.5625	99.99896	0.233998
545	1.211111	95.91856	1.92700388	1.940432	1.204737	0	0	545	6.8125	100	0.234
730	1.622222	98.52028	1.97927241	1.993065	1.237415	0	0	730	9.125	100	0.234
1095	2.433333	99.8001	2.00498393	2.018956	1.253489	0	0	1095	13.6875	100	0.234
1460	3.244444	99.97299	2.00845745	2.022454	1.255661	0	0	1460	18.25	100	0.234
1825	4.055556	99.99635	2.0089267	2.022926	1.255954	0	0	1825	22.8125	100	0.234
3650	8.111111	100	2.009	2.023	1.256	0	0	3650	45.625	100	0.234
7300	16.222222	100	2.009	2.023	1.256	0	0	7300	91.25	100	0.234
18250	40.555556	100	2.009	2.023	1.256	0	0	18250	228.125	100	0.234

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 2.009 in (from SETANL) (from SETANL)
 Total layer sett@ 45: 2.023
 Total layer sett@ 60: 1.256
 Total layer sett@ 110: 1.247
 Total layer sett@ 140: 1.239
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.08 ft²/day
 Hdr: 6 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931	0.160842	0.073974	0.073295	0.072616	0	0	0	0
45	0.1	35.68248	0.71686107	0.721857	0.448172	0.189054	0.086949	0.086151	0.085354	0	0	0	0
60	0.133333	41.20258	0.82775986	0.833528	0.517504	0.206815	0.095118	0.094245	0.093372	0	0	0	0
110	0.244444	55.78856	1.12079215	1.128603	0.700704	0.230545	0.106031	0.105058	0.104086	0	0	0	0
140	0.311111	62.37785	1.25317101	1.261904	0.783466	0.234442	0.107823	0.106834	0.105845	0	0	0	0
180	0.4	69.78856	1.40205208	1.411822	0.876544	0.236255	0.108657	0.107661	0.106664	0	0	0	0
365	0.811111	89.04688	1.78895178	1.801418	1.118429	0.236998	0.108999	0.107999	0.106999	0	0	0	0
545	1.211111	95.91856	1.92700388	1.940432	1.204737	0.237	0.109	0.108	0.107	0	0	0	0
730	1.622222	98.52028	1.97927241	1.993065	1.237415	0.237	0.109	0.108	0.107	0	0	0	0
1095	2.433333	99.8001	2.00498393	2.018956	1.253489	0.237	0.109	0.108	0.107	0	0	0	0
1460	3.244444	99.97299	2.00845745	2.022454	1.255661	0.237	0.109	0.108	0.107	0	0	0	0
1825	4.055556	99.99635	2.0089267	2.022926	1.255954	0.237	0.109	0.108	0.107	0	0	0	0
3650	8.111111	100	2.009	2.023	1.256	0.237	0.109	0.108	0.107	0	0	0	0
7300	16.222222	100	2.009	2.023	1.256	0.237	0.109	0.108	0.107	0	0	0	0
18250	40.555556	100	2.009	2.023	1.256	0.237	0.109	0.108	0.107	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1					
Total layer sett@ 30 days:	2.009 in	(from SETANL)	@ 30 days:	1.448 in	(from SETANL)
Total layer sett@ 45:	2.023		r sett@ 45:	1.467	
Total layer sett@ 60:	1.256		r sett@ 60:	0.662	
Total layer sett@ 110:	1.247		sett@ 110:	0.655	
Total layer sett@ 140:	1.239		sett@ 140:	0.648	
Total layer sett@ 180:			sett@ 180:		
Total layer sett@ 365:			sett@ 365:		
Total layer sett@ 545:			sett@ 545:		
Total layer sett@ 730:			sett@ 730:		
Total layer sett@ 1095:			ett@ 1095:		
Total layer sett@ 1460:			ett@ 1460:		
Total layer sett@ 1825:			ett@ 1825:		
Total layer sett@ 3650:			ett@ 3650:		
Total layer sett@ 20:			r sett@ 20:		
Total layer sett@ 50:			r sett@ 50:		
Cv:	0.08 ft ² /day		Cv:	0.03 ft ² /day	
Hdr:	6 ft		Hdr:	6.549 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931	0.020984	16.34562	0.236685	0.23979	0.108208	0.107064	0.10592	0
45	0.1	35.68248	0.71686107	0.721857	0.448172	0.031476	20.01921	0.289878	0.293682	0.132527	0.131126	0.129724	0
60	0.133333	41.20258	0.82775986	0.833528	0.517504	0.041968	23.11619	0.334722	0.339115	0.153029	0.151411	0.149793	0
110	0.244444	55.78856	1.12079215	1.128603	0.700704	0.076942	31.29947	0.453216	0.459163	0.207203	0.205012	0.202821	0
140	0.311111	62.37785	1.25317101	1.261904	0.783466	0.097926	35.31057	0.511297	0.518006	0.233756	0.231284	0.228812	0
180	0.4	69.78856	1.40205208	1.411822	0.876544	0.125905	40.03842	0.579756	0.587364	0.265054	0.262252	0.259449	0
365	0.811111	89.04688	1.78895178	1.801418	1.118429	0.255308	57.01474	0.825573	0.836406	0.377438	0.373447	0.369455	0
545	1.211111	95.91856	1.92700388	1.940432	1.204737	0.381213	68.35482	0.989778	1.002765	0.452509	0.447724	0.442939	0
730	1.622222	98.52028	1.97927241	1.993065	1.237415	0.510616	77.00611	1.115049	1.12968	0.50978	0.50439	0.499	0
1095	2.433333	99.8001	2.00498393	2.018956	1.253489	0.765923	87.75467	1.270688	1.287361	0.580936	0.574793	0.56865	0
1460	3.244444	99.97299	2.00845745	2.022454	1.255661	1.021231	93.47878	1.353573	1.371334	0.61883	0.612286	0.605743	0
1825	4.055556	99.99635	2.0089267	2.022926	1.255954	1.276539	96.52714	1.397713	1.416053	0.63901	0.632253	0.625496	0
3650	8.111111	100	2.009	2.023	1.256	2.553078	99.85124	1.445846	1.464818	0.661015	0.654026	0.647036	0
7300	16.222222	100	2.009	2.023	1.256	5.106157	99.99973	1.447996	1.466996	0.661998	0.654998	0.647998	0
18250	40.555556	100	2.009	2.023	1.256	12.76539	100	1.448	1.467	0.662	0.655	0.648	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 2.009 in (from SETANL)
 Total layer sett@ 45: 2.023
 Total layer sett@ 60: 1.256
 Total layer sett@ 110: 1.247
 Total layer sett@ 140: 1.239
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.08 ft²/day
 Hdr: 6 ft

Layer 6
 Total layer sett@ 30 days: 2.138 in (from SETANL)
 Total layer sett@ 45: 2.166
 Total layer sett@ 60: 0.971
 Total layer sett@ 110: 0.96
 Total layer sett@ 140: 0.95
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.03 ft²/day
 Hdr: 11.549 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931	0
45	0.1	35.68248	0.71686107	0.721857	0.448172	0
60	0.133333	41.20258	0.82775986	0.833528	0.517504	0
110	0.244444	55.78856	1.12079215	1.128603	0.700704	0
140	0.311111	62.37785	1.25317101	1.261904	0.783466	0
180	0.4	69.78856	1.40205208	1.411822	0.876544	0
365	0.811111	89.04688	1.78895178	1.801418	1.118429	0
545	1.211111	95.91856	1.92700388	1.940432	1.204737	0
730	1.622222	98.52028	1.97927241	1.993065	1.237415	0
1095	2.433333	99.8001	2.00498393	2.018956	1.253489	0
1460	3.244444	99.97299	2.00845745	2.022454	1.255661	0
1825	4.055556	99.99635	2.0089267	2.022926	1.255954	0
3650	8.111111	100	2.009	2.023	1.256	0
7300	16.222222	100	2.009	2.023	1.256	0
18250	40.555556	100	2.009	2.023	1.256	0

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.006748	9.26898	0.198171	0.200766	0.090002
45	0.010122	11.35214	0.242709	0.245887	0.110229
60	0.013495	13.10832	0.280256	0.283926	0.127282
110	0.024741	17.74874	0.379468	0.384438	0.17234
140	0.031489	20.02328	0.428098	0.433704	0.194426
180	0.040486	22.70427	0.485417	0.491775	0.220458
365	0.082097	32.3309	0.691235	0.700287	0.313933
545	0.122583	39.50659	0.844651	0.855713	0.383609
730	0.164193	45.72279	0.977553	0.990356	0.443968
1095	0.24629	55.99875	1.197253	1.212933	0.543748
1460	0.328387	63.94815	1.367211	1.385117	0.620936
1825	0.410483	70.56016	1.508576	1.528333	0.685139
3650	0.820966	89.31007	1.909449	1.934456	0.867201
7300	1.641933	98.59054	2.107866	2.135471	0.957314
18250	4.104832	99.99677	2.137931	2.16593	0.970969

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1

Total layer sett@ 30 days: 2.009 in (from SETANL)
 Total layer sett@ 45: 2.023
 Total layer sett@ 60: 1.256
 Total layer sett@ 110: 1.247
 Total layer sett@ 140: 1.239
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.08 ft²/day
 Hdr: 6 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931	0.088982	0.088055	0	0	0	0	0	0
45	0.1	35.68248	0.71686107	0.721857	0.448172	0.10898	0.107845	0	0	0	0	0	0
60	0.133333	41.20258	0.82775986	0.833528	0.517504	0.12584	0.124529	0	0	0	0	0	0
110	0.244444	55.78856	1.12079215	1.128603	0.700704	0.170388	0.168613	0	0	0	0	0	0
140	0.311111	62.37785	1.25317101	1.261904	0.783466	0.192224	0.190221	0	0	0	0	0	0
180	0.4	69.78856	1.40205208	1.411822	0.876544	0.217961	0.215691	0	0	0	0	0	0
365	0.811111	89.04688	1.78895178	1.801418	1.118429	0.310377	0.307144	0	0	0	0	0	0
545	1.211111	95.91856	1.92700388	1.940432	1.204737	0.379263	0.375313	0	0	0	0	0	0
730	1.622222	98.52028	1.97927241	1.993065	1.237415	0.438939	0.434367	0	0	0	0	0	0
1095	2.433333	99.8001	2.00498393	2.018956	1.253489	0.537588	0.531988	0	0	0	0	0	0
1460	3.244444	99.97299	2.00845745	2.022454	1.255661	0.613902	0.607507	0	0	0	0	0	0
1825	4.055556	99.99635	2.0089267	2.022926	1.255954	0.677377	0.670321	0	0	0	0	0	0
3650	8.111111	100	2.009	2.023	1.256	0.857377	0.848446	0	0	0	0	0	0
7300	16.222222	100	2.009	2.023	1.256	0.946469	0.93661	0	0	0	0	0	0
18250	40.555556	100	2.009	2.023	1.256	0.959969	0.949969	0	0	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 2.009 in (from SETANL)
 Total layer sett@ 45: 2.023
 Total layer sett@ 60: 1.256
 Total layer sett@ 110: 1.247
 Total layer sett@ 140: 1.239
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.08 ft²/day
 Hdr: 6 ft

Layer 7
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv
0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931	0	0	0	0	30	0.000452
45	0.1	35.68248	0.71686107	0.721857	0.448172	0	0	0	0	45	0.000678
60	0.133333	41.20258	0.82775986	0.833528	0.517504	0	0	0	0	60	0.000904
110	0.244444	55.78856	1.12079215	1.128603	0.700704	0	0	0	0	110	0.001658
140	0.311111	62.37785	1.25317101	1.261904	0.783466	0	0	0	0	140	0.00211
180	0.4	69.78856	1.40205208	1.411822	0.876544	0	0	0	0	180	0.002713
365	0.811111	89.04688	1.78895178	1.801418	1.118429	0	0	0	0	365	0.005501
545	1.211111	95.91856	1.92700388	1.940432	1.204737	0	0	0	0	545	0.008214
730	1.622222	98.52028	1.97927241	1.993065	1.237415	0	0	0	0	730	0.011002
1095	2.433333	99.8001	2.00498393	2.018956	1.253489	0	0	0	0	1095	0.016502
1460	3.244444	99.97299	2.00845745	2.022454	1.255661	0	0	0	0	1460	0.022003
1825	4.055556	99.99635	2.0089267	2.022926	1.255954	0	0	0	0	1825	0.027504
3650	8.111111	100	2.009	2.023	1.256	0	0	0	0	3650	0.055008
7300	16.22222	100	2.009	2.023	1.256	0	0	0	0	7300	0.110017
18250	40.55556	100	2.009	2.023	1.256	0	0	0	0	18250	0.275042

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1			
Total layer sett@ 30 days:	2.009 in	(from SETANL)	5.996 in (from SETANL)
Total layer sett@ 45:	2.023		6.076
Total layer sett@ 60:	1.256		2.692
Total layer sett@ 110:	1.247		2.663
Total layer sett@ 140:	1.239		2.635
Total layer sett@ 180:			
Total layer sett@ 365:			
Total layer sett@ 545:			
Total layer sett@ 730:			
Total layer sett@ 1095:			
Total layer sett@ 1460:			
Total layer sett@ 1825:			
Total layer sett@ 3650:			
Total layer sett@ 20:			
Total layer sett@ 50:			
Cv:	0.08 ft ² /day		0.02 ft ² /day
Hdr:	6 ft		36.429 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931	2.399294	0.143862	0.145781	0.064589	0.063893	0.063221	0	0
45	0.1	35.68248	0.71686107	0.721857	0.448172	2.938523	0.176194	0.178545	0.079105	0.078253	0.07743	0	0
60	0.133333	41.20258	0.82775986	0.833528	0.517504	3.393114	0.203451	0.206166	0.091343	0.090359	0.089409	0	0
110	0.244444	55.78856	1.12079215	1.128603	0.700704	4.594298	0.275474	0.27915	0.123678	0.122346	0.12106	0	0
140	0.311111	62.37785	1.25317101	1.261904	0.783466	5.183067	0.310777	0.314923	0.139528	0.138025	0.136574	0	0
180	0.4	69.78856	1.40205208	1.411822	0.876544	5.877046	0.352388	0.357089	0.15821	0.156506	0.15486	0	0
365	0.811111	89.04688	1.78895178	1.801418	1.118429	8.368917	0.5018	0.508495	0.225291	0.222864	0.220521	0	0
545	1.211111	95.91856	1.92700388	1.940432	1.204737	10.22636	0.613173	0.621354	0.275294	0.272328	0.269465	0	0
730	1.622222	98.52028	1.97927241	1.993065	1.237415	11.83544	0.709653	0.719121	0.31861	0.315178	0.311864	0	0
1095	2.433333	99.8001	2.00498393	2.018956	1.253489	14.49539	0.869144	0.88074	0.390216	0.386012	0.381953	0	0
1460	3.244444	99.97299	2.00845745	2.022454	1.255661	16.73783	1.0036	1.016991	0.450582	0.445728	0.441042	0	0
1825	4.055556	99.99635	2.0089267	2.022926	1.255954	18.71347	1.122059	1.13703	0.503767	0.49834	0.4931	0	0
3650	8.111111	100	2.009	2.023	1.256	26.46484	1.586832	1.608004	0.712433	0.704759	0.697348	0	0
7300	16.222222	100	2.009	2.023	1.256	37.42693	2.244119	2.27406	1.007533	0.996679	0.9862	0	0
18250	40.555556	100	2.009	2.023	1.256	59.17718	3.548264	3.595605	1.59305	1.575888	1.559319	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 2.009 in (from SETANL)
 Total layer sett@ 45: 2.023
 Total layer sett@ 60: 1.256
 Total layer sett@ 110: 1.247
 Total layer sett@ 140: 1.239
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.08 ft²/day
 Hdr: 6 ft

Layer 8
 Total layer sett@ 30 days: in (from SETA
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: ft²/day
 Hdr: ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.066667	29.13462	0.58531461	0.589393	0.365931
45	0.1	35.68248	0.71686107	0.721857	0.448172
60	0.133333	41.20258	0.82775986	0.833528	0.517504
110	0.244444	55.78856	1.12079215	1.128603	0.700704
140	0.311111	62.37785	1.25317101	1.261904	0.783466
180	0.4	69.78856	1.40205208	1.411822	0.876544
365	0.811111	89.04688	1.78895178	1.801418	1.118429
545	1.211111	95.91856	1.92700388	1.940432	1.204737
730	1.622222	98.52028	1.97927241	1.993065	1.237415
1095	2.433333	99.8001	2.00498393	2.018956	1.253489
1460	3.244444	99.97299	2.00845745	2.022454	1.255661
1825	4.055556	99.99635	2.0089267	2.022926	1.255954
3650	8.111111	100	2.009	2.023	1.256
7300	16.222222	100	2.009	2.023	1.256
18250	40.555556	100	2.009	2.023	1.256

time, t (days)	Tv	U	Sett@30	Sett@45
0	0	0	0	0
30	#DIV/0!	#DIV/0!		
45	#DIV/0!	#DIV/0!		
60	#DIV/0!	#DIV/0!		
110	#DIV/0!	#DIV/0!		
140	#DIV/0!	#DIV/0!		
180	#DIV/0!	#DIV/0!		
365	#DIV/0!	#DIV/0!		
545	#DIV/0!	#DIV/0!		
730	#DIV/0!	#DIV/0!		
1095	#DIV/0!	#DIV/0!		
1460	#DIV/0!	#DIV/0!		
1825	#DIV/0!	#DIV/0!		
3650	#DIV/0!	#DIV/0!		
7300	#DIV/0!	#DIV/0!		
18250	#DIV/0!	#DIV/0!		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.478584369	0.123215364	1.493910901	0.124492575	0.784162137	0.065346845	0.777295346	0.064774612
45	0.123287671	1.803052788	0.150254399	1.821723421	0.151810285	0.95674853	0.079729044	0.948371949	0.079030996
60	0.164383562	2.070645786	0.172553815	2.092059388	0.174338282	1.099475623	0.091622969	1.089851644	0.09082097
110	0.301369863	2.754809587	0.229567466	2.783177356	0.231931446	1.465938362	0.12216153	1.453116227	0.121093019
140	0.383561644	3.0712678	0.255938983	3.102867881	0.258572323	1.634970262	0.136247522	1.620663574	0.135055298
180	0.493150685	3.434377861	0.286198155	3.469702818	0.289141902	1.828456829	0.152371402	1.812444081	0.151037007
365	1	4.580733722	0.38172781	4.628289648	0.385690804	2.426098358	0.202174863	2.404663965	0.200388664
545	1.493150685	5.251923551	0.437660296	5.307155222	0.442262935	2.761647076	0.230137256	2.736999682	0.228083307
730	2	5.732909375	0.477742448	5.79393338	0.482827782	2.994037329	0.249503111	2.967063323	0.247255277
1095	3	6.378733572	0.531561131	6.447855222	0.537321269	3.297312359	0.27477603	3.267181213	0.272265101
1460	4	6.810329406	0.56752745	6.884999463	0.573749955	3.49632493	0.291360411	3.464066888	0.288672241
1825	5	7.134307392	0.594525616	7.213191304	0.601099275	3.644434376	0.303702865	3.610571455	0.300880955
3650	10	8.065672382	0.672139365	8.156818174	0.679734848	4.066409898	0.338867491	4.027923494	0.335660291
7300	20	8.923980308	0.743665026	9.02652715	0.752210596	4.452845174	0.371070431	4.410146425	0.367512202
18250	50	10.25819445	0.854849537	10.37853528	0.86487794	5.052018228	0.421001519	5.002857203	0.416904767

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days	Settlement 140 days	Settlement 180 days	Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0
30	0.082191781	1.478584369	0.123215364	1.493910901	0.770658171	0.064221514	0	0
45	0.123287671	1.803052788	0.150254399	1.821723421	0.94027659	0.078356382	0	0
60	0.164383562	2.070645786	0.172553815	2.092059388	1.08055239	0.090046033	0	0
110	0.301369863	2.754809587	0.229567466	2.783177356	1.440733774	0.120061148	0	0
140	0.383561644	3.0712678	0.255938983	3.102867881	1.606847314	0.133903943	0	0
180	0.493150685	3.434377861	0.286198155	3.469702818	1.796978013	0.149748168	0	0
365	1	4.580733722	0.38172781	4.628289648	2.383909765	0.198659147	0	0
545	1.493150685	5.251923551	0.437660296	5.307155222	2.713073114	0.226089426	0	0
730	2	5.732909375	0.477742448	5.79393338	2.940830767	0.245069231	0	0
1095	3	6.378733572	0.531561131	6.447855222	3.237838293	0.269819858	0	0
1460	4	6.810329406	0.56752745	6.884999463	3.432655694	0.286054641	0	0
1825	5	7.134307392	0.594525616	7.213191304	3.577620239	0.29813502	0	0
3650	10	8.065672382	0.672139365	8.156818174	3.990595285	0.332549607	0	0
7300	20	8.923980308	0.743665026	9.02652715	4.368807851	0.364067321	0	0
18250	50	10.25819445	0.854849537	10.37853528	4.955287916	0.41294066	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 545 days		Settlement 730 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.478584369	0.123215364	1.493910901	0	0	0	0	0
45	0.123287671	1.803052788	0.150254399	1.821723421	0	0	0	0	0
60	0.164383562	2.070645786	0.172553815	2.092059388	0	0	0	0	0
110	0.301369863	2.754809587	0.229567466	2.783177356	0	0	0	0	0
140	0.383561644	3.0712678	0.255938983	3.102867881	0	0	0	0	0
180	0.493150685	3.434377861	0.286198155	3.469702818	0	0	0	0	0
365	1	4.580733722	0.38172781	4.628289648	0	0	0	0	0
545	1.493150685	5.251923551	0.437660296	5.307155222	0	0	0	0	0
730	2	5.732909375	0.477742448	5.79393338	0	0	0	0	0
1095	3	6.378733572	0.531561131	6.447855222	0	0	0	0	0
1460	4	6.810329406	0.56752745	6.884999463	0	0	0	0	0
1825	5	7.134307392	0.594525616	7.213191304	0	0	0	0	0
3650	10	8.065672382	0.672139365	8.156818174	0	0	0	0	0
7300	20	8.923980308	0.743665026	9.02652715	0	0	0	0	0
18250	50	10.25819445	0.854849537	10.37853528	0	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.478584369	0.123215364	1.493910901	0	0	0	0	0
45	0.123287671	1.803052788	0.150254399	1.821723421	0	0	0	0	0
60	0.164383562	2.070645786	0.172553815	2.092059388	0	0	0	0	0
110	0.301369863	2.754809587	0.229567466	2.783177356	0	0	0	0	0
140	0.383561644	3.0712678	0.255938983	3.102867881	0	0	0	0	0
180	0.493150685	3.434377861	0.286198155	3.469702818	0	0	0	0	0
365	1	4.580733722	0.38172781	4.628289648	0	0	0	0	0
545	1.493150685	5.251923551	0.437660296	5.307155222	0	0	0	0	0
730	2	5.732909375	0.477742448	5.79393338	0	0	0	0	0
1095	3	6.378733572	0.531561131	6.447855222	0	0	0	0	0
1460	4	6.810329406	0.56752745	6.884999463	0	0	0	0	0
1825	5	7.134307392	0.594525616	7.213191304	0	0	0	0	0
3650	10	8.065672382	0.672139365	8.156818174	0	0	0	0	0
7300	20	8.923980308	0.743665026	9.02652715	0	0	0	0	0
18250	50	10.25819445	0.854849537	10.37853528	0	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days	Settlement 5 years	Settlement 10 years	Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0
30	0.082191781	1.478584369	0.123215364	1.493910901	0	0	0	0
45	0.123287671	1.803052788	0.150254399	1.821723421	0	0	0	0
60	0.164383562	2.070645786	0.172553815	2.092059388	0	0	0	0
110	0.301369863	2.754809587	0.229567466	2.783177356	0	0	0	0
140	0.383561644	3.0712678	0.255938983	3.102867881	0	0	0	0
180	0.493150685	3.434377861	0.286198155	3.469702818	0	0	0	0
365	1	4.580733722	0.38172781	4.628289648	0	0	0	0
545	1.493150685	5.251923551	0.437660296	5.307155222	0	0	0	0
730	2	5.732909375	0.477742448	5.79393338	0	0	0	0
1095	3	6.378733572	0.531561131	6.447855222	0	0	0	0
1460	4	6.810329406	0.56752745	6.884999463	0	0	0	0
1825	5	7.134307392	0.594525616	7.213191304	0	0	0	0
3650	10	8.065672382	0.672139365	8.156818174	0	0	0	0
7300	20	8.923980308	0.743665026	9.02652715	0	0	0	0
18250	50	10.25819445	0.854849537	10.37853528	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	1.478584369	0.123215364	1.493910901	0	0	0	0	
45	0.123287671	1.803052788	0.150254399	1.821723421	0	0	0	0	
60	0.164383562	2.070645786	0.172553815	2.092059388	0	0	0	0	
110	0.301369863	2.754809587	0.229567466	2.783177356	0	0	0	0	
140	0.383561644	3.0712678	0.255938983	3.102867881	0	0	0	0	
180	0.493150685	3.434377861	0.286198155	3.469702818	0	0	0	0	
365	1	4.580733722	0.38172781	4.628289648	0	0	0	0	
545	1.493150685	5.251923551	0.437660296	5.307155222	0	0	0	0	
730	2	5.732909375	0.477742448	5.79393338	0	0	0	0	
1095	3	6.378733572	0.531561131	6.447855222	0	0	0	0	
1460	4	6.810329406	0.56752745	6.884999463	0	0	0	0	
1825	5	7.134307392	0.594525616	7.213191304	0	0	0	0	
3650	10	8.065672382	0.672139365	8.156818174	0	0	0	0	
7300	20	8.923980308	0.743665026	9.02652715	0	0	0	0	
18250	50	10.25819445	0.854849537	10.37853528	0	0	0	0	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-2)

Initial Fill Elevation = 2 ft												
Layer 1										Layer 2		
Total layer sett@ 30 days:	1.552 in			(from SETANL)						Total layer sett@ 30 days:	0.285	
Total layer sett@ 45:	1.561									Total layer sett@ 45:	0.288	
Total layer sett@ 60:	1.049									Total layer sett@ 60:	0.175	
Total layer sett@ 110:	1.049									Total layer sett@ 110:	0.175	
Total layer sett@ 140:	1.049									Total layer sett@ 140:	0.175	
Total layer sett@ 180:	1.049									Total layer sett@ 180:	0.175	
Total layer sett@ 365:	1.049									Total layer sett@ 365:	0.175	
Total layer sett@ 545:	1.049									Total layer sett@ 545:	0.175	
Total layer sett@ 730:	1.049									Total layer sett@ 730:	0.175	
Total layer sett@ 1095:	1.049									Total layer sett@ 1095:	0.175	
Total layer sett@ 1460:	1.049									Total layer sett@ 1460:	0.175	
Total layer sett@ 1825:	1.049									Total layer sett@ 1825:	0.175	
Total layer sett@ 3650:	1.049									Total layer sett@ 3650:	0.175	
Total layer sett@ 20:	1.049									Total layer sett@ 20:	0.175	
Total layer sett@ 50:	1.049									Total layer sett@ 50:	0.175	
Cv:	0.08 ft ² /day									Cv:	0.02	
Hdr:	6 ft									Hdr:	5	
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.45216938	0.454791	0.305622	0.30562221	0.305622	0.305622	0.305622	30	0.024	17.4807749
45	0.1	35.68248	0.55379213	0.557004	0.374309	0.37430924	0.374309	0.374309	0.374309	45	0.036	21.4094894
60	0.133333	41.20258	0.63946407	0.643172	0.432215	0.43221508	0.432215	0.432215	0.432215	60	0.048	24.7215489
110	0.244444	55.78856	0.86583844	0.870859	0.585222	0.58522199	0.585222	0.585222	0.585222	110	0.088	33.4731355
140	0.311111	62.37785	0.96810423	0.973718	0.654344	0.65434365	0.654344	0.654344	0.654344	140	0.112	37.7627898
180	0.4	69.78856	1.08311838	1.089399	0.732082	0.73208195	0.732082	0.732082	0.732082	180	0.144	42.8189788
365	0.811111	89.04688	1.38200754	1.390022	0.934102	0.93410175	0.934102	0.934102	0.934102	365	0.292	60.560889
545	1.211111	95.91856	1.48865606	1.497289	1.006186	1.0061857	1.006186	1.006186	1.006186	545	0.436	72.3569295
730	1.622222	98.52028	1.52903473	1.537902	1.033478	1.03347773	1.033478	1.033478	1.033478	730	0.584	80.8151592
1095	2.433333	99.8001	1.54889749	1.557879	1.046903	1.04690301	1.046903	1.046903	1.046903	1095	0.876	90.6676873
1460	3.244444	99.97299	1.55158086	1.560578	1.048717	1.0487167	1.048717	1.048717	1.048717	1460	1.168	95.460371
1825	4.055556	99.99635	1.55194338	1.560943	1.048962	1.04896173	1.048962	1.048962	1.048962	1825	1.46	97.7917337
3650	8.111111	100	1.552	1.561	1.049	1.049	1.049	1.049	1.049	3650	2.92	99.939854
7300	16.22222	100	1.552	1.561	1.049	1.049	1.049	1.049	1.049	7300	5.84	99.9999554
18250	40.55556	100	1.552	1.561	1.049	1.049	1.049	1.049	1.049	18250	14.6	100

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-2)

Initial Fill Elevation = 2 ft

Layer 1			(from SETANL)			Layer 3		
Total layer sett@ 30 days:	1.552 in				al layer sett@ 30 days:	0.327 in		
Total layer sett@ 45:	1.561				Total layer sett@ 45:	0.33		
Total layer sett@ 60:	1.049				Total layer sett@ 60:	0.189		
Total layer sett@ 110:	1.049				Total layer sett@ 110:	0.189		
Total layer sett@ 140:	1.049				Total layer sett@ 140:	0.189		
Total layer sett@ 180:	1.049				Total layer sett@ 180:	0.189		
Total layer sett@ 365:	1.049				Total layer sett@ 365:	0.189		
Total layer sett@ 545:	1.049				Total layer sett@ 545:	0.189		
Total layer sett@ 730:	1.049				Total layer sett@ 730:	0.189		
Total layer sett@ 1095:	1.049				otal layer sett@ 1095:	0.189		
Total layer sett@ 1460:	1.049				otal layer sett@ 1460:	0.189		
Total layer sett@ 1825:	1.049				otal layer sett@ 1825:	0.189		
Total layer sett@ 3650:	1.049				otal layer sett@ 3650:	0.189		
Total layer sett@ 20:	1.049				Total layer sett@ 20:	0.189		
Total layer sett@ 50:	1.049				Total layer sett@ 50:	0.189		
Cv:	0.08 ft ² /day				Cv:	0.03 ft ² /day		
Hdr:	6 ft				Hdr:	6 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.45216938	0.454791	0.305622	30	0.025	17.84124	0.058341	0.058876	0.03372	0.03372	0.03372
45	0.1	35.68248	0.55379213	0.557004	0.374309	45	0.0375	21.85097	0.071453	0.072108	0.041298	0.041298	0.041298
60	0.133333	41.20258	0.63946407	0.643172	0.432215	60	0.05	25.23133	0.082506	0.083263	0.047687	0.047687	0.047687
110	0.244444	55.78856	0.86583844	0.870859	0.585222	110	0.091667	34.16338	0.111714	0.112739	0.064569	0.064569	0.064569
140	0.311111	62.37785	0.96810423	0.973718	0.654344	140	0.116667	38.54149	0.126031	0.127187	0.072843	0.072843	0.072843
180	0.4	69.78856	1.08311838	1.089399	0.732082	180	0.15	43.70194	0.142905	0.144216	0.082597	0.082597	0.082597
365	0.811111	89.04688	1.38200754	1.390022	0.934102	365	0.304167	61.72751	0.201849	0.203701	0.116665	0.116665	0.116665
545	1.211111	95.91856	1.48865606	1.497289	1.006186	545	0.454167	73.56891	0.24057	0.242777	0.139045	0.139045	0.139045
730	1.622222	98.52028	1.52903473	1.537902	1.033478	730	0.608333	81.93336	0.267922	0.27038	0.154854	0.154854	0.154854
1095	2.433333	99.8001	1.54889749	1.557879	1.046903	1095	0.9125	91.47159	0.299112	0.301856	0.172881	0.172881	0.172881
1460	3.244444	99.97299	1.55158086	1.560578	1.048717	1460	1.216667	95.97414	0.313835	0.316715	0.181391	0.181391	0.181391
1825	4.055556	99.99635	1.55194338	1.560943	1.048962	1825	1.520833	98.09958	0.320786	0.323729	0.185408	0.185408	0.185408
3650	8.111111	100	1.552	1.561	1.049	3650	3.041667	99.95545	0.326854	0.329853	0.188916	0.188916	0.188916
7300	16.222222	100	1.552	1.561	1.049	7300	6.083333	99.99998	0.327	0.33	0.189	0.189	0.189
18250	40.555556	100	1.552	1.561	1.049	18250	15.20833	100	0.327	0.33	0.189	0.189	0.189

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-2)

Initial Fill Elevation = 2 ft

Layer 1			
Total layer sett@ 30 days:	1.552 in	(from SETANL)	(from SETANL)
Total layer sett@ 45:	1.561		
Total layer sett@ 60:	1.049		
Total layer sett@ 110:	1.049		
Total layer sett@ 140:	1.049		
Total layer sett@ 180:	1.049		
Total layer sett@ 365:	1.049		
Total layer sett@ 545:	1.049		
Total layer sett@ 730:	1.049		
Total layer sett@ 1095:	1.049		
Total layer sett@ 1460:	1.049		
Total layer sett@ 1825:	1.049		
Total layer sett@ 3650:	1.049		
Total layer sett@ 20:	1.049		
Total layer sett@ 50:	1.049		
Cv:	0.08 ft ² /day		
Hdr:	6 ft		

Layer 4			
Total layer sett@ 30 days:	0.152 in		
Total layer sett@ 45:	0.153		
Total layer sett@ 60:	0.084		
Total layer sett@ 110:	0.084		
Total layer sett@ 140:	0.084		
Total layer sett@ 180:	0.084		
Total layer sett@ 365:	0.084		
Total layer sett@ 545:	0.084		
Total layer sett@ 730:	0.084		
Total layer sett@ 1095:	0.084		
Total layer sett@ 1460:	0.084		
Total layer sett@ 1825:	0.084		
Total layer sett@ 3650:	0.084		
Total layer sett@ 20:	0.084		
Total layer sett@ 50:	0.084		
Cv:	0.2 ft ² /day		
Hdr:	4 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.45216938	0.454791	0.305622	0.03372	0.03372
45	0.1	35.68248	0.55379213	0.557004	0.374309	0.041298	0.041298
60	0.133333	41.20258	0.63946407	0.643172	0.432215	0.047687	0.047687
110	0.244444	55.78856	0.86583844	0.870859	0.585222	0.064569	0.064569
140	0.311111	62.37785	0.96810423	0.973718	0.654344	0.072843	0.072843
180	0.4	69.78856	1.08311838	1.089399	0.732082	0.082597	0.082597
365	0.811111	89.04688	1.38200754	1.390022	0.934102	0.116665	0.116665
545	1.211111	95.91856	1.48865606	1.497289	1.006186	0.139045	0.139045
730	1.622222	98.52028	1.52903473	1.537902	1.033478	0.154854	0.154854
1095	2.433333	99.8001	1.54889749	1.557879	1.046903	0.172881	0.172881
1460	3.244444	99.97299	1.55158086	1.560578	1.048717	0.181391	0.181391
1825	4.055556	99.99635	1.55194338	1.560943	1.048962	0.185408	0.185408
3650	8.111111	100	1.552	1.561	1.049	0.188916	0.188916
7300	16.222222	100	1.552	1.561	1.049	0.189	0.189
18250	40.555556	100	1.552	1.561	1.049	0.189	0.189

time, t (days)	Tv	U	Sett@30
0	0	0	0
30	0.375	67.86585	0.103156
45	0.5625	79.76971	0.12125
60	0.75	87.26387	0.132641
110	1.375	97.27632	0.14786
140	1.75	98.92049	0.150359
180	2.25	99.68572	0.151522
365	4.5625	99.99896	0.151998
545	6.8125	100	0.152
730	9.125	100	0.152
1095	13.6875	100	0.152
1460	18.25	100	0.152
1825	22.8125	100	0.152
3650	45.625	100	0.152
7300	91.25	100	0.152
18250	228.125	100	0.152

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-2)

Initial Fill Elevation = 2 ft

Layer 1					
Total layer sett@ 30 days:	1.552 in	(from SETANL)	@ 30 days:	0.925 in	(from SETANL)
Total layer sett@ 45:	1.561		r sett@ 45:	0.934	
Total layer sett@ 60:	1.049		r sett@ 60:	0.507	
Total layer sett@ 110:	1.049		sett@ 110:	0.507	
Total layer sett@ 140:	1.049		sett@ 140:	0.507	
Total layer sett@ 180:	1.049		sett@ 180:	0.507	
Total layer sett@ 365:	1.049		sett@ 365:	0.507	
Total layer sett@ 545:	1.049		sett@ 545:	0.507	
Total layer sett@ 730:	1.049		sett@ 730:	0.507	
Total layer sett@ 1095:	1.049		ett@ 1095:	0.507	
Total layer sett@ 1460:	1.049		ett@ 1460:	0.507	
Total layer sett@ 1825:	1.049		ett@ 1825:	0.507	
Total layer sett@ 3650:	1.049		ett@ 3650:	0.507	
Total layer sett@ 20:	1.049		r sett@ 20:	0.507	
Total layer sett@ 50:	1.049		r sett@ 50:	0.507	
Cv:	0.08 ft ² /day		Cv:	0.03 ft ² /day	
Hdr:	6 ft		Hdr:	6.549 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.45216938	0.454791	0.305622	0.020984	16.34562	0.151197	0.152668	0.082872	0.082872	0.082872	0.082872
45	0.1	35.68248	0.55379213	0.557004	0.374309	0.031476	20.01921	0.185178	0.186979	0.101497	0.101497	0.101497	0.101497
60	0.133333	41.20258	0.63946407	0.643172	0.432215	0.041968	23.11619	0.213825	0.215905	0.117199	0.117199	0.117199	0.117199
110	0.244444	55.78856	0.86583844	0.870859	0.585222	0.076942	31.29947	0.28952	0.292337	0.158688	0.158688	0.158688	0.158688
140	0.311111	62.37785	0.96810423	0.973718	0.654344	0.097926	35.31057	0.326623	0.329801	0.179025	0.179025	0.179025	0.179025
180	0.4	69.78856	1.08311838	1.089399	0.732082	0.125905	40.03842	0.370355	0.373959	0.202995	0.202995	0.202995	0.202995
365	0.811111	89.04688	1.38200754	1.390022	0.934102	0.255308	57.01474	0.527386	0.532518	0.289065	0.289065	0.289065	0.289065
545	1.211111	95.91856	1.48865606	1.497289	1.006186	0.381213	68.35482	0.632282	0.638434	0.346559	0.346559	0.346559	0.346559
730	1.622222	98.52028	1.52903473	1.537902	1.033478	0.510616	77.00611	0.712307	0.719237	0.390421	0.390421	0.390421	0.390421
1095	2.433333	99.8001	1.54889749	1.557879	1.046903	0.765923	87.75467	0.811731	0.819629	0.444916	0.444916	0.444916	0.444916
1460	3.244444	99.97299	1.55158086	1.560578	1.048717	1.021231	93.47878	0.864679	0.873092	0.473937	0.473937	0.473937	0.473937
1825	4.055556	99.99635	1.55194338	1.560943	1.048962	1.276539	96.52714	0.892876	0.901564	0.489393	0.489393	0.489393	0.489393
3650	8.111111	100	1.552	1.561	1.049	2.553078	99.85124	0.923624	0.932611	0.506246	0.506246	0.506246	0.506246
7300	16.222222	100	1.552	1.561	1.049	5.106157	99.99973	0.924997	0.933997	0.506999	0.506999	0.506999	0.506999
18250	40.555556	100	1.552	1.561	1.049	12.76539	100	0.925	0.934	0.507	0.507	0.507	0.507

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-2)

Initial Fill Elevation = 2 ft

Layer 1

Total layer sett@ 30 days:	1.552 in	(from SETANL)
Total layer sett@ 45:	1.561	
Total layer sett@ 60:	1.049	
Total layer sett@ 110:	1.049	
Total layer sett@ 140:	1.049	
Total layer sett@ 180:	1.049	
Total layer sett@ 365:	1.049	
Total layer sett@ 545:	1.049	
Total layer sett@ 730:	1.049	
Total layer sett@ 1095:	1.049	
Total layer sett@ 1460:	1.049	
Total layer sett@ 1825:	1.049	
Total layer sett@ 3650:	1.049	
Total layer sett@ 20:	1.049	
Total layer sett@ 50:	1.049	
Cv:	0.08 ft ² /day	
Hdr:	6 ft	

Layer 6

Total layer sett@ 30 days:	1.36 in	(from SETANL)
Total layer sett@ 45:	1.373	
Total layer sett@ 60:	0.743	
Total layer sett@ 110:	0.743	
Total layer sett@ 140:	0.743	
Total layer sett@ 180:	0.743	
Total layer sett@ 365:	0.743	
Total layer sett@ 545:	0.743	
Total layer sett@ 730:	0.743	
Total layer sett@ 1095:	0.743	
Total layer sett@ 1460:	0.743	
Total layer sett@ 1825:	0.743	
Total layer sett@ 3650:	0.743	
Total layer sett@ 20:	0.743	
Total layer sett@ 50:	0.743	
Cv:	0.03 ft ² /day	
Hdr:	11.549 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	0.066667	29.13462	0.45216938	0.454791	0.305622	0.082872
45	0.1	35.68248	0.55379213	0.557004	0.374309	0.101497
60	0.133333	41.20258	0.63946407	0.643172	0.432215	0.117199
110	0.244444	55.78856	0.86583844	0.870859	0.585222	0.158688
140	0.311111	62.37785	0.96810423	0.973718	0.654344	0.179025
180	0.4	69.78856	1.08311838	1.089399	0.732082	0.202995
365	0.811111	89.04688	1.38200754	1.390022	0.934102	0.289065
545	1.211111	95.91856	1.48865606	1.497289	1.006186	0.346559
730	1.622222	98.52028	1.52903473	1.537902	1.033478	0.390421
1095	2.433333	99.8001	1.54889749	1.557879	1.046903	0.444916
1460	3.244444	99.97299	1.55158086	1.560578	1.048717	0.473937
1825	4.055556	99.99635	1.55194338	1.560943	1.048962	0.489393
3650	8.111111	100	1.552	1.561	1.049	0.506246
7300	16.222222	100	1.552	1.561	1.049	0.506999
18250	40.555556	100	1.552	1.561	1.049	0.507

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.006748	9.26898	0.126058	0.127263	0.068869
45	0.010122	11.35214	0.154389	0.155865	0.084346
60	0.013495	13.10832	0.178273	0.179977	0.097395
110	0.024741	17.74874	0.241383	0.24369	0.131873
140	0.031489	20.02328	0.272317	0.27492	0.148773
180	0.040486	22.70427	0.308778	0.31173	0.168693
365	0.082097	32.3309	0.4397	0.443903	0.240219
545	0.122583	39.50659	0.53729	0.542425	0.293534
730	0.164193	45.72279	0.62183	0.627774	0.33972
1095	0.24629	55.99875	0.761583	0.768863	0.416071
1460	0.328387	63.94815	0.869695	0.878008	0.475135
1825	0.410483	70.56016	0.959618	0.968791	0.524262
3650	0.820966	89.31007	1.214617	1.226227	0.663574
7300	1.641933	98.59054	1.340831	1.353648	0.732528
18250	4.104832	99.99677	1.359956	1.372956	0.742976

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-2)

Initial Fill Elevation = 2 ft

Layer 1
 Total layer sett@ 30 days: 1.552 in (from SETANL)
 Total layer sett@ 45: 1.561
 Total layer sett@ 60: 1.049
 Total layer sett@ 110: 1.049
 Total layer sett@ 140: 1.049
 Total layer sett@ 180: 1.049
 Total layer sett@ 365: 1.049
 Total layer sett@ 545: 1.049
 Total layer sett@ 730: 1.049
 Total layer sett@ 1095: 1.049
 Total layer sett@ 1460: 1.049
 Total layer sett@ 1825: 1.049
 Total layer sett@ 3650: 1.049
 Total layer sett@ 20: 1.049
 Total layer sett@ 50: 1.049
 Cv: 0.08 ft²/day
 Hdr: 6 ft

Layer 7
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.45216938	0.454791	0.305622	0.068869	0.068869	0.068869	0.068869
45	0.1	35.68248	0.55379213	0.557004	0.374309	0.084346	0.084346	0.084346	0.084346
60	0.133333	41.20258	0.63946407	0.643172	0.432215	0.097395	0.097395	0.097395	0.097395
110	0.244444	55.78856	0.86583844	0.870859	0.585222	0.131873	0.131873	0.131873	0.131873
140	0.311111	62.37785	0.96810423	0.973718	0.654344	0.148773	0.148773	0.148773	0.148773
180	0.4	69.78856	1.08311838	1.089399	0.732082	0.168693	0.168693	0.168693	0.168693
365	0.811111	89.04688	1.38200754	1.390022	0.934102	0.240219	0.240219	0.240219	0.240219
545	1.211111	95.91856	1.48865606	1.497289	1.006186	0.293534	0.293534	0.293534	0.293534
730	1.622222	98.52028	1.52903473	1.537902	1.033478	0.33972	0.33972	0.33972	0.33972
1095	2.433333	99.8001	1.54889749	1.557879	1.046903	0.416071	0.416071	0.416071	0.416071
1460	3.244444	99.97299	1.55158086	1.560578	1.048717	0.475135	0.475135	0.475135	0.475135
1825	4.055556	99.99635	1.55194338	1.560943	1.048962	0.524262	0.524262	0.524262	0.524262
3650	8.111111	100	1.552	1.561	1.049	0.663574	0.663574	0.663574	0.663574
7300	16.222222	100	1.552	1.561	1.049	0.732528	0.732528	0.732528	0.732528
18250	40.555556	100	1.552	1.561	1.049	0.742976	0.742976	0.742976	0.742976

time, t (days)	Tv
0	0
30	0.000452
45	0.000678
60	0.000904
110	0.001658
140	0.00211
180	0.002713
365	0.005501
545	0.008214
730	0.011002
1095	0.016502
1460	0.022003
1825	0.027504
3650	0.055008
7300	0.110017
18250	0.275042

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-2)

Initial Fill Elevation = 2 ft

Layer 1			
Total layer sett@ 30 days:	1.552 in	(from SETANL)	3.786 in (from SETANL)
Total layer sett@ 45:	1.561		3.823
Total layer sett@ 60:	1.049		2.057
Total layer sett@ 110:	1.049		2.057
Total layer sett@ 140:	1.049		2.057
Total layer sett@ 180:	1.049		2.057
Total layer sett@ 365:	1.049		2.057
Total layer sett@ 545:	1.049		2.057
Total layer sett@ 730:	1.049		2.057
Total layer sett@ 1095:	1.049		2.057
Total layer sett@ 1460:	1.049		2.057
Total layer sett@ 1825:	1.049		2.057
Total layer sett@ 3650:	1.049		2.057
Total layer sett@ 20:	1.049		2.057
Total layer sett@ 50:	1.049		2.057
Cv:	0.08 ft ² /day		0.02 ft ² /day
Hdr:	6 ft		36.429 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.45216938	0.454791	0.305622	2.399294	0.090837	0.091725	0.049353	0.049353	0.049353	0.049353	0.049353
45	0.1	35.68248	0.55379213	0.557004	0.374309	2.938523	0.111252	0.11234	0.060445	0.060445	0.060445	0.060445	0.060445
60	0.133333	41.20258	0.63946407	0.643172	0.432215	3.393114	0.128463	0.129719	0.069796	0.069796	0.069796	0.069796	0.069796
110	0.244444	55.78856	0.86583844	0.870859	0.585222	4.594298	0.17394	0.17564	0.094505	0.094505	0.094505	0.094505	0.094505
140	0.311111	62.37785	0.96810423	0.973718	0.654344	5.183067	0.196231	0.198149	0.106616	0.106616	0.106616	0.106616	0.106616
180	0.4	69.78856	1.08311838	1.089399	0.732082	5.877046	0.222505	0.224679	0.120891	0.120891	0.120891	0.120891	0.120891
365	0.811111	89.04688	1.38200754	1.390022	0.934102	8.368917	0.316847	0.319944	0.172149	0.172149	0.172149	0.172149	0.172149
545	1.211111	95.91856	1.48865606	1.497289	1.006186	10.22636	0.38717	0.390954	0.210356	0.210356	0.210356	0.210356	0.210356
730	1.622222	98.52028	1.52903473	1.537902	1.033478	11.83544	0.44809	0.452469	0.243455	0.243455	0.243455	0.243455	0.243455
1095	2.433333	99.8001	1.54889749	1.557879	1.046903	14.49539	0.548795	0.554159	0.29817	0.29817	0.29817	0.29817	0.29817
1460	3.244444	99.97299	1.55158086	1.560578	1.048717	16.73783	0.633694	0.639887	0.344297	0.344297	0.344297	0.344297	0.344297
1825	4.055556	99.99635	1.55194338	1.560943	1.048962	18.71347	0.708492	0.715416	0.384936	0.384936	0.384936	0.384936	0.384936
3650	8.111111	100	1.552	1.561	1.049	26.46484	1.001959	1.011751	0.544382	0.544382	0.544382	0.544382	0.544382
7300	16.222222	100	1.552	1.561	1.049	37.42693	1.416984	1.430832	0.769872	0.769872	0.769872	0.769872	0.769872
18250	40.555556	100	1.552	1.561	1.049	59.17718	2.240448	2.262343	1.217275	1.217275	1.217275	1.217275	1.217275

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-2)

Initial Fill Elevation = 2 ft

Layer 1
 Total layer sett@ 30 days: 1.552 in (from SETANL)
 Total layer sett@ 45: 1.561
 Total layer sett@ 60: 1.049
 Total layer sett@ 110: 1.049
 Total layer sett@ 140: 1.049
 Total layer sett@ 180: 1.049
 Total layer sett@ 365: 1.049
 Total layer sett@ 545: 1.049
 Total layer sett@ 730: 1.049
 Total layer sett@ 1095: 1.049
 Total layer sett@ 1460: 1.049
 Total layer sett@ 1825: 1.049
 Total layer sett@ 3650: 1.049
 Total layer sett@ 20: 1.049
 Total layer sett@ 50: 1.049
 Cv: 0.08 ft²/day
 Hdr: 6 ft

Layer 8
 Total layer sett@ 30 days: in (from SETANL)
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: ft²/day
 Hdr: ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.066667	29.13462	0.45216938	0.454791	0.305622
45	0.1	35.68248	0.55379213	0.557004	0.374309
60	0.133333	41.20258	0.63946407	0.643172	0.432215
110	0.244444	55.78856	0.86583844	0.870859	0.585222
140	0.311111	62.37785	0.96810423	0.973718	0.654344
180	0.4	69.78856	1.08311838	1.089399	0.732082
365	0.811111	89.04688	1.38200754	1.390022	0.934102
545	1.211111	95.91856	1.48865606	1.497289	1.006186
730	1.622222	98.52028	1.52903473	1.537902	1.033478
1095	2.433333	99.8001	1.54889749	1.557879	1.046903
1460	3.244444	99.97299	1.55158086	1.560578	1.048717
1825	4.055556	99.99635	1.55194338	1.560943	1.048962
3650	8.111111	100	1.552	1.561	1.049
7300	16.222222	100	1.552	1.561	1.049
18250	40.555556	100	1.552	1.561	1.049

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	#DIV/0!	#DIV/0!			
45	#DIV/0!	#DIV/0!			
60	#DIV/0!	#DIV/0!			
110	#DIV/0!	#DIV/0!			
140	#DIV/0!	#DIV/0!			
180	#DIV/0!	#DIV/0!			
365	#DIV/0!	#DIV/0!			
545	#DIV/0!	#DIV/0!			
730	#DIV/0!	#DIV/0!			
1095	#DIV/0!	#DIV/0!			
1460	#DIV/0!	#DIV/0!			
1825	#DIV/0!	#DIV/0!			
3650	#DIV/0!	#DIV/0!			
7300	#DIV/0!	#DIV/0!			
18250	#DIV/0!	#DIV/0!			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-2)

Initial Fill Elevation = 2 ft

Layer 1
 Total layer sett@ 30 days: 1.552 in (from SETANL)
 Total layer sett@ 45: 1.561
 Total layer sett@ 60: 1.049
 Total layer sett@ 110: 1.049
 Total layer sett@ 140: 1.049
 Total layer sett@ 180: 1.049
 Total layer sett@ 365: 1.049
 Total layer sett@ 545: 1.049
 Total layer sett@ 730: 1.049
 Total layer sett@ 1095: 1.049
 Total layer sett@ 1460: 1.049
 Total layer sett@ 1825: 1.049
 Total layer sett@ 3650: 1.049
 Total layer sett@ 20: 1.049
 Total layer sett@ 50: 1.049
 Cv: 0.08 ft²/day
 Hdr: 6 ft

Layer 9
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.45216938	0.454791	0.305622				
45	0.1	35.68248	0.55379213	0.557004	0.374309				
60	0.133333	41.20258	0.63946407	0.643172	0.432215				
110	0.244444	55.78856	0.86583844	0.870859	0.585222				
140	0.311111	62.37785	0.96810423	0.973718	0.654344				
180	0.4	69.78856	1.08311838	1.089399	0.732082				
365	0.811111	89.04688	1.38200754	1.390022	0.934102				
545	1.211111	95.91856	1.48865606	1.497289	1.006186				
730	1.622222	98.52028	1.52903473	1.537902	1.033478				
1095	2.433333	99.8001	1.54889749	1.557879	1.046903				
1460	3.244444	99.97299	1.55158086	1.560578	1.048717				
1825	4.055556	99.99635	1.55194338	1.560943	1.048962				
3650	8.111111	100	1.552	1.561	1.049				
7300	16.222222	100	1.552	1.561	1.049				
18250	40.555556	100	1.552	1.561	1.049				

time, t (days)	Tv
0	0
30	#DIV/0!
45	#DIV/0!
60	#DIV/0!
110	#DIV/0!
140	#DIV/0!
180	#DIV/0!
365	#DIV/0!
545	#DIV/0!
730	#DIV/0!
1095	#DIV/0!
1460	#DIV/0!
1825	#DIV/0!
3650	#DIV/0!
7300	#DIV/0!
18250	#DIV/0!

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-2)

Initial Fill Elevation = 2 ft

Layer 1
 Total layer sett@ 30 days: 1.552 in (from SETANL) in (from SETANL)
 Total layer sett@ 45: 1.561
 Total layer sett@ 60: 1.049
 Total layer sett@ 110: 1.049
 Total layer sett@ 140: 1.049
 Total layer sett@ 180: 1.049
 Total layer sett@ 365: 1.049
 Total layer sett@ 545: 1.049
 Total layer sett@ 730: 1.049
 Total layer sett@ 1095: 1.049
 Total layer sett@ 1460: 1.049
 Total layer sett@ 1825: 1.049
 Total layer sett@ 3650: 1.049
 Total layer sett@ 20: 1.049
 Total layer sett@ 50: 1.049
 Cv: 0.08 ft²/day ft²/day
 Hdr: 6 ft ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.066667	29.13462	0.45216938	0.454791	0.305622	#DIV/0!							
45	0.1	35.68248	0.55379213	0.557004	0.374309	#DIV/0!							
60	0.133333	41.20258	0.63946407	0.643172	0.432215	#DIV/0!							
110	0.244444	55.78856	0.86583844	0.870859	0.585222	#DIV/0!							
140	0.311111	62.37785	0.96810423	0.973718	0.654344	#DIV/0!							
180	0.4	69.78856	1.08311838	1.089399	0.732082	#DIV/0!							
365	0.811111	89.04688	1.38200754	1.390022	0.934102	#DIV/0!							
545	1.211111	95.91856	1.48865606	1.497289	1.006186	#DIV/0!							
730	1.622222	98.52028	1.52903473	1.537902	1.033478	#DIV/0!							
1095	2.433333	99.8001	1.54889749	1.557879	1.046903	#DIV/0!							
1460	3.244444	99.97299	1.55158086	1.560578	1.048717	#DIV/0!							
1825	4.055556	99.99635	1.55194338	1.560943	1.048962	#DIV/0!							
3650	8.111111	100	1.552	1.561	1.049	#DIV/0!							
7300	16.222222	100	1.552	1.561	1.049	#DIV/0!							
18250	40.555556	100	1.552	1.561	1.049	#DIV/0!							

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-2)

Initial Fill Elevation = 2 ft

Layer 1
 Total layer sett@ 30 days: 1.552 in (from SETANL)
 Total layer sett@ 45: 1.561
 Total layer sett@ 60: 1.049
 Total layer sett@ 110: 1.049
 Total layer sett@ 140: 1.049
 Total layer sett@ 180: 1.049
 Total layer sett@ 365: 1.049
 Total layer sett@ 545: 1.049
 Total layer sett@ 730: 1.049
 Total layer sett@ 1095: 1.049
 Total layer sett@ 1460: 1.049
 Total layer sett@ 1825: 1.049
 Total layer sett@ 3650: 1.049
 Total layer sett@ 20: 1.049
 Total layer sett@ 50: 1.049
 Cv: 0.08 ft²/day
 Hdr: 6 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60		
0	0	0	0	0	0		
30	0.066667	29.13462	0.45216938	0.454791	0.305622	1.031579	0.085965
45	0.1	35.68248	0.55379213	0.557004	0.374309		
60	0.133333	41.20258	0.63946407	0.643172	0.432215		
110	0.244444	55.78856	0.86583844	0.870859	0.585222		
140	0.311111	62.37785	0.96810423	0.973718	0.654344		
180	0.4	69.78856	1.08311838	1.089399	0.732082		
365	0.811111	89.04688	1.38200754	1.390022	0.934102		
545	1.211111	95.91856	1.48865606	1.497289	1.006186		
730	1.622222	98.52028	1.52903473	1.537902	1.033478		
1095	2.433333	99.8001	1.54889749	1.557879	1.046903		
1460	3.244444	99.97299	1.55158086	1.560578	1.048717		
1825	4.055556	99.99635	1.55194338	1.560943	1.048962		
3650	8.111111	100	1.552	1.561	1.049		
7300	16.22222	100	1.552	1.561	1.049		
18250	40.55556	100	1.552	1.561	1.049		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.031578888	0.085964907	1.039503135	0.086625261	0.628035105	0.052336259	0.628035105	0.052336259
45	0.123287671	1.258331009	0.104860917	1.268002703	0.105666892	0.76636991	0.063864159	0.76636991	0.063864159
60	0.164383562	1.445629184	0.120469099	1.456748632	0.121395719	0.880856893	0.073404741	0.880856893	0.073404741
110	0.301369863	1.925654309	0.160471192	1.940501317	0.161708443	1.17514708	0.097928923	1.17514708	0.097928923
140	0.383561644	2.14728834	0.178940695	2.163879393	0.180323283	1.310778428	0.109231536	1.310778428	0.109231536
180	0.493150685	2.401218526	0.200101544	2.419821501	0.201651792	1.465926182	0.122160515	1.465926182	0.122160515
365	1	3.192387127	0.266032261	3.217500829	0.268125069	1.942179306	0.161848275	1.942179306	0.161848275
545	1.493150685	3.644185357	0.303682113	3.673267346	0.306105612	2.2063047	0.183858725	2.2063047	0.183858725
730	2	3.961506116	0.33012551	3.993509021	0.332792418	2.387354546	0.198946212	2.387354546	0.198946212
1095	3	4.380521653	0.365043471	4.416508892	0.368042408	2.621609822	0.218467485	2.621609822	0.218467485
1460	4	4.657546232	0.388128853	4.696206185	0.391350515	2.774532851	0.231211071	2.774532851	0.231211071
1825	5	4.86442148	0.405368457	4.905082137	0.408756845	2.888096048	0.240674671	2.888096048	0.240674671
3650	10	5.455882595	0.454656883	5.502268365	0.458522364	3.21101187	0.267584323	3.21101187	0.267584323
7300	20	5.998812237	0.49990102	6.050476945	0.504206412	3.506398184	0.292199849	3.506398184	0.292199849
18250	50	6.841403975	0.570116998	6.90129911	0.575108259	3.964250522	0.33035421	3.964250522	0.33035421

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft		Settlement 45 days			Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.031578888	0.085964907	1.039503135	0.628035105	0.052336259	0.628035105	0.052336259	0.628035105	0.052336259
45	0.123287671	1.258331009	0.104860917	1.268002703	0.76636991	0.063864159	0.76636991	0.063864159	0.76636991	0.063864159
60	0.164383562	1.445629184	0.120469099	1.456748632	0.880856893	0.073404741	0.880856893	0.073404741	0.880856893	0.073404741
110	0.301369863	1.925654309	0.160471192	1.940501317	1.17514708	0.097928923	1.17514708	0.097928923	1.17514708	0.097928923
140	0.383561644	2.14728834	0.178940695	2.163879393	1.310778428	0.109231536	1.310778428	0.109231536	1.310778428	0.109231536
180	0.493150685	2.401218526	0.200101544	2.419821501	1.465926182	0.122160515	1.465926182	0.122160515	1.465926182	0.122160515
365	1	3.192387127	0.266032261	3.217500829	1.942179306	0.161848275	1.942179306	0.161848275	1.942179306	0.161848275
545	1.493150685	3.644185357	0.303682113	3.673267346	2.2063047	0.183858725	2.2063047	0.183858725	2.2063047	0.183858725
730	2	3.961506116	0.33012551	3.993509021	2.387354546	0.198946212	2.387354546	0.198946212	2.387354546	0.198946212
1095	3	4.380521653	0.365043471	4.416508892	2.621609822	0.218467485	2.621609822	0.218467485	2.621609822	0.218467485
1460	4	4.657546232	0.388128853	4.696206185	2.774532851	0.231211071	2.774532851	0.231211071	2.774532851	0.231211071
1825	5	4.86442148	0.405368457	4.905082137	2.888096048	0.240674671	2.888096048	0.240674671	2.888096048	0.240674671
3650	10	5.455882595	0.454656883	5.502268365	3.21101187	0.267584323	3.21101187	0.267584323	3.21101187	0.267584323
7300	20	5.998812237	0.49990102	6.050476945	3.506398184	0.292199849	3.506398184	0.292199849	3.506398184	0.292199849
18250	50	6.841403975	0.570116998	6.90129911	3.964250522	0.33035421	3.964250522	0.33035421	3.964250522	0.33035421

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	1.031578888	0.085964907	1.039503135	0.628035105	0.052336259	0.628035105	0.052336259	0.628035105	0.052336259	0.628035105	
45	0.123287671	1.258331009	0.104860917	1.268002703	0.76636991	0.063864159	0.76636991	0.063864159	0.76636991	0.063864159	0.76636991	
60	0.164383562	1.445629184	0.120469099	1.456748632	0.880856893	0.073404741	0.880856893	0.073404741	0.880856893	0.073404741	0.880856893	
110	0.301369863	1.925654309	0.160471192	1.940501317	1.17514708	0.097928923	1.17514708	0.097928923	1.17514708	0.097928923	1.17514708	
140	0.383561644	2.14728834	0.178940695	2.163879393	1.310778428	0.109231536	1.310778428	0.109231536	1.310778428	0.109231536	1.310778428	
180	0.493150685	2.401218526	0.200101544	2.419821501	1.465926182	0.122160515	1.465926182	0.122160515	1.465926182	0.122160515	1.465926182	
365	1	3.192387127	0.266032261	3.217500829	1.942179306	0.161848275	1.942179306	0.161848275	1.942179306	0.161848275	1.942179306	
545	1.493150685	3.644185357	0.303682113	3.673267346	2.2063047	0.183858725	2.2063047	0.183858725	2.2063047	0.183858725	2.2063047	
730	2	3.961506116	0.33012551	3.993509021	2.387354546	0.198946212	2.387354546	0.198946212	2.387354546	0.198946212	2.387354546	
1095	3	4.380521653	0.365043471	4.416508892	2.621609822	0.218467485	2.621609822	0.218467485	2.621609822	0.218467485	2.621609822	
1460	4	4.657546232	0.388128853	4.696206185	2.774532851	0.231211071	2.774532851	0.231211071	2.774532851	0.231211071	2.774532851	
1825	5	4.86442148	0.405368457	4.905082137	2.888096048	0.240674671	2.888096048	0.240674671	2.888096048	0.240674671	2.888096048	
3650	10	5.455882595	0.454656883	5.502268365	3.21101187	0.267584323	3.21101187	0.267584323	3.21101187	0.267584323	3.21101187	
7300	20	5.998812237	0.49990102	6.050476945	3.506398184	0.292199849	3.506398184	0.292199849	3.506398184	0.292199849	3.506398184	
18250	50	6.841403975	0.570116998	6.90129911	3.964250522	0.33035421	3.964250522	0.33035421	3.964250522	0.33035421	3.964250522	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.031578888	0.085964907	1.039503135	0.052336259	0.628035105	0.052336259	0.628035105	0.052336259
45	0.123287671	1.258331009	0.104860917	1.268002703	0.063864159	0.76636991	0.063864159	0.76636991	0.063864159
60	0.164383562	1.445629184	0.120469099	1.456748632	0.073404741	0.880856893	0.073404741	0.880856893	0.073404741
110	0.301369863	1.925654309	0.160471192	1.940501317	0.097928923	1.17514708	0.097928923	1.17514708	0.097928923
140	0.383561644	2.14728834	0.178940695	2.163879393	0.109231536	1.310778428	0.109231536	1.310778428	0.109231536
180	0.493150685	2.401218526	0.200101544	2.419821501	0.122160515	1.465926182	0.122160515	1.465926182	0.122160515
365	1	3.192387127	0.266032261	3.217500829	0.161848275	1.942179306	0.161848275	1.942179306	0.161848275
545	1.493150685	3.644185357	0.303682113	3.673267346	0.183858725	2.2063047	0.183858725	2.2063047	0.183858725
730	2	3.961506116	0.33012551	3.993509021	0.198946212	2.387354546	0.198946212	2.387354546	0.198946212
1095	3	4.380521653	0.365043471	4.416508892	0.218467485	2.621609822	0.218467485	2.621609822	0.218467485
1460	4	4.657546232	0.388128853	4.696206185	0.231211071	2.774532851	0.231211071	2.774532851	0.231211071
1825	5	4.86442148	0.405368457	4.905082137	0.240674671	2.888096048	0.240674671	2.888096048	0.240674671
3650	10	5.455882595	0.454656883	5.502268365	0.267584323	3.21101187	0.267584323	3.21101187	0.267584323
7300	20	5.998812237	0.49990102	6.050476945	0.292199849	3.506398184	0.292199849	3.506398184	0.292199849
18250	50	6.841403975	0.570116998	6.90129911	0.33035421	3.964250522	0.33035421	3.964250522	0.33035421

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days	Settlement 5 years	Settlement 10 years	Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0
30	0.082191781	1.031578888	0.085964907	1.039503135	0.628035105	0.052336259	0.628035105	0.052336259
45	0.123287671	1.258331009	0.104860917	1.268002703	0.76636991	0.063864159	0.76636991	0.063864159
60	0.164383562	1.445629184	0.120469099	1.456748632	0.880856893	0.073404741	0.880856893	0.073404741
110	0.301369863	1.925654309	0.160471192	1.940501317	1.17514708	0.097928923	1.17514708	0.097928923
140	0.383561644	2.14728834	0.178940695	2.163879393	1.310778428	0.109231536	1.310778428	0.109231536
180	0.493150685	2.401218526	0.200101544	2.419821501	1.465926182	0.122160515	1.465926182	0.122160515
365	1	3.192387127	0.266032261	3.217500829	1.942179306	0.161848275	1.942179306	0.161848275
545	1.493150685	3.644185357	0.303682113	3.673267346	2.2063047	0.183858725	2.2063047	0.183858725
730	2	3.961506116	0.33012551	3.993509021	2.387354546	0.198946212	2.387354546	0.198946212
1095	3	4.380521653	0.365043471	4.416508892	2.621609822	0.218467485	2.621609822	0.218467485
1460	4	4.657546232	0.388128853	4.696206185	2.774532851	0.231211071	2.774532851	0.231211071
1825	5	4.86442148	0.405368457	4.905082137	2.888096048	0.240674671	2.888096048	0.240674671
3650	10	5.455882595	0.454656883	5.502268365	3.21101187	0.267584323	3.21101187	0.267584323
7300	20	5.998812237	0.49990102	6.050476945	3.506398184	0.292199849	3.506398184	0.292199849
18250	50	6.841403975	0.570116998	6.90129911	3.964250522	0.33035421	3.964250522	0.33035421

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	1.031578888	0.085964907	1.039503135	0.628035105	0.052336259	0.628035105	0.052336259	
45	0.123287671	1.258331009	0.104860917	1.268002703	0.76636991	0.063864159	0.76636991	0.063864159	
60	0.164383562	1.445629184	0.120469099	1.456748632	0.880856893	0.073404741	0.880856893	0.073404741	
110	0.301369863	1.925654309	0.160471192	1.940501317	1.17514708	0.097928923	1.17514708	0.097928923	
140	0.383561644	2.14728834	0.178940695	2.163879393	1.310778428	0.109231536	1.310778428	0.109231536	
180	0.493150685	2.401218526	0.200101544	2.419821501	1.465926182	0.122160515	1.465926182	0.122160515	
365	1	3.192387127	0.266032261	3.217500829	1.942179306	0.161848275	1.942179306	0.161848275	
545	1.493150685	3.644185357	0.303682113	3.673267346	2.2063047	0.183858725	2.2063047	0.183858725	
730	2	3.961506116	0.33012551	3.993509021	2.387354546	0.198946212	2.387354546	0.198946212	
1095	3	4.380521653	0.365043471	4.416508892	2.621609822	0.218467485	2.621609822	0.218467485	
1460	4	4.657546232	0.388128853	4.696206185	2.774532851	0.231211071	2.774532851	0.231211071	
1825	5	4.86442148	0.405368457	4.905082137	2.888096048	0.240674671	2.888096048	0.240674671	
3650	10	5.455882595	0.454656883	5.502268365	3.21101187	0.267584323	3.21101187	0.267584323	
7300	20	5.998812237	0.49990102	6.050476945	3.506398184	0.292199849	3.506398184	0.292199849	
18250	50	6.841403975	0.570116998	6.90129911	3.964250522	0.33035421	3.964250522	0.33035421	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft										Initial Fill Elevation = 3.0 ft		
Layer 1										Layer 2		
Total layer sett@ 30 days:		0.933 in	(from SETANL)							Total layer sett@ 30 days:		0.261
Total layer sett@ 45:		0.935								Total layer sett@ 45:		0.262
Total layer sett@ 60:										Total layer sett@ 60:		
Total layer sett@ 110:										Total layer sett@ 110:		
Total layer sett@ 140:										Total layer sett@ 140:		
Total layer sett@ 180:										Total layer sett@ 180:		
Total layer sett@ 365:										Total layer sett@ 365:		
Total layer sett@ 545:										Total layer sett@ 545:		
Total layer sett@ 730:										Total layer sett@ 730:		
Total layer sett@ 1095:										Total layer sett@ 1095:		
Total layer sett@ 1460:										Total layer sett@ 1460:		
Total layer sett@ 1825:										Total layer sett@ 1825:		
Total layer sett@ 3650:										Total layer sett@ 3650:		
Total layer sett@ 20:										Total layer sett@ 20:		
Total layer sett@ 50:										Total layer sett@ 50:		
Cv:		0.02 ft ² /day								Cv:		0.03
Hdr:		4 ft								Hdr:		6.9
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0	0	0	0	0	30	0.018904	15.5141227
45	0.05625	26.76186	0.24968817	0.250223	0	0	0	0	0	45	0.028355	19.0008423
60	0.075	30.90194	0.28831506	0.288933	0	0	0	0	0	60	0.037807	21.9402828
110	0.1375	41.84142	0.39038044	0.391217	0	0	0	0	0	110	0.069313	29.7072833
140	0.175	47.20349	0.44040854	0.441353	0	0	0	0	0	140	0.088217	33.5143356
180	0.225	53.52372	0.49937634	0.500447	0	0	0	0	0	180	0.113422	38.0016845
365	0.45625	73.70446	0.68766261	0.689137	0	0	0	0	0	365	0.229994	54.1144225
545	0.68125	84.90877	0.79219885	0.793897	0	0	0	0	0	545	0.343415	65.2608115
730	0.9125	91.47159	0.85342992	0.855259	0	0	0	0	0	730	0.459987	73.9458856
1095	1.36875	97.23399	0.9071931	0.909138	0	0	0	0	0	1095	0.689981	85.2304775
1460	1.825	99.1029	0.92463007	0.926612	0	0	0	0	0	1460	0.919975	91.6274722
1825	2.28125	99.70904	0.93028539	0.93228	0	0	0	0	0	1825	1.149968	95.2537923
3650	4.5625	99.99896	0.93299026	0.93499	0	0	0	0	0	3650	2.299937	99.7221583
7300	9.125	100	0.933	0.935	0	0	0	0	0	7300	4.599874	99.9990479

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.933 in (from SETANL) in (from SETANL)
 Total layer sett@ 45: 0.935
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.02 ft²/day ft²/day
 Hdr: 4 ft ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0	0.040492	0.040647	0	0	0	0	0	0
45	0.05625	26.76186	0.24968817	0.250223	0	0.049592	0.049782	0	0	0	0	0	0
60	0.075	30.90194	0.28831506	0.288933	0	0.057264	0.057484	0	0	0	0	0	0
110	0.1375	41.84142	0.39038044	0.391217	0	0.077536	0.077833	0	0	0	0	0	0
140	0.175	47.20349	0.44040854	0.441353	0	0.087472	0.087808	0	0	0	0	0	0
180	0.225	53.52372	0.49937634	0.500447	0	0.099184	0.099564	0	0	0	0	0	0
365	0.45625	73.70446	0.68766261	0.689137	0	0.141239	0.14178	0	0	0	0	0	0
545	0.68125	84.90877	0.79219885	0.793897	0	0.170331	0.170983	0	0	0	0	0	0
730	0.9125	91.47159	0.85342992	0.855259	0	0.192999	0.193738	0	0	0	0	0	0
1095	1.36875	97.23399	0.9071931	0.909138	0	0.222452	0.223304	0	0	0	0	0	0
1460	1.825	99.1029	0.92463007	0.926612	0	0.239148	0.240064	0	0	0	0	0	0
1825	2.28125	99.70904	0.93028539	0.93228	0	0.248612	0.249565	0	0	0	0	0	0
3650	4.5625	99.99896	0.93299026	0.93499	0	0.260275	0.261272	0	0	0	0	0	0
7300	9.125	100	0.933	0.935	0	0.260998	0.261998	0	0	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1			(from SETANL)			Layer 3		
Total layer sett@ 30 days:	0.933 in					Total layer sett@ 30 days:	0.363 in	
Total layer sett@ 45:	0.935					Total layer sett@ 45:	0.364	
Total layer sett@ 60:						Total layer sett@ 60:		
Total layer sett@ 110:						Total layer sett@ 110:		
Total layer sett@ 140:						Total layer sett@ 140:		
Total layer sett@ 180:						Total layer sett@ 180:		
Total layer sett@ 365:						Total layer sett@ 365:		
Total layer sett@ 545:						Total layer sett@ 545:		
Total layer sett@ 730:						Total layer sett@ 730:		
Total layer sett@ 1095:						Total layer sett@ 1095:		
Total layer sett@ 1460:						Total layer sett@ 1460:		
Total layer sett@ 1825:						Total layer sett@ 1825:		
Total layer sett@ 3650:						Total layer sett@ 3650:		
Total layer sett@ 20:						Total layer sett@ 20:		
Total layer sett@ 50:						Total layer sett@ 50:		
Cv:	0.02 ft ² /day					Cv:	0.08 ft ² /day	
Hdr:	4 ft					Hdr:	19.27 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0	30	0.006463	9.071497	0.03293	0.03302	0	0	0
45	0.05625	26.76186	0.24968817	0.250223	0	45	0.009695	11.11027	0.04033	0.040441	0	0	0
60	0.075	30.90194	0.28831506	0.288933	0	60	0.012926	12.82903	0.046569	0.046698	0	0	0
110	0.1375	41.84142	0.39038044	0.391217	0	110	0.023698	17.37059	0.063055	0.063229	0	0	0
140	0.175	47.20349	0.44040854	0.441353	0	140	0.030162	19.59667	0.071136	0.071332	0	0	0
180	0.225	53.52372	0.49937634	0.500447	0	180	0.038779	22.22054	0.080661	0.080883	0	0	0
365	0.45625	73.70446	0.68766261	0.689137	0	365	0.078636	31.64206	0.114861	0.115177	0	0	0
545	0.68125	84.90877	0.79219885	0.793897	0	545	0.117415	38.66487	0.140353	0.14074	0	0	0
730	0.9125	91.47159	0.85342992	0.855259	0	730	0.157271	44.74863	0.162438	0.162885	0	0	0
1095	1.36875	97.23399	0.9071931	0.909138	0	1095	0.235907	54.80566	0.198945	0.199493	0	0	0
1460	1.825	99.1029	0.92463007	0.926612	0	1460	0.314543	62.69511	0.227583	0.22821	0	0	0
1825	2.28125	99.70904	0.93028539	0.93228	0	1825	0.393178	69.27562	0.25147	0.252163	0	0	0
3650	4.5625	99.99896	0.93299026	0.93499	0	3650	0.786356	88.35685	0.320735	0.321619	0	0	0
7300	9.125	100	0.933	0.935	0	7300	1.572713	98.32797	0.356931	0.357914	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1				Layer 4			
Total layer sett@ 30 days:	0.933 in	(from SETANL)	(from SETANL)	Total layer sett@ 30 days:	2.811 in		
Total layer sett@ 45:	0.935			Total layer sett@ 45:	2.825		
Total layer sett@ 60:				Total layer sett@ 60:			
Total layer sett@ 110:				Total layer sett@ 110:			
Total layer sett@ 140:				Total layer sett@ 140:			
Total layer sett@ 180:				Total layer sett@ 180:			
Total layer sett@ 365:				Total layer sett@ 365:			
Total layer sett@ 545:				Total layer sett@ 545:			
Total layer sett@ 730:				Total layer sett@ 730:			
Total layer sett@ 1095:				Total layer sett@ 1095:			
Total layer sett@ 1460:				Total layer sett@ 1460:			
Total layer sett@ 1825:				Total layer sett@ 1825:			
Total layer sett@ 3650:				Total layer sett@ 3650:			
Total layer sett@ 20:				Total layer sett@ 20:			
Total layer sett@ 50:				Total layer sett@ 50:			
Cv:	0.02 ft ² /day			Cv:	0.08 ft ² /day		
Hdr:	4 ft			Hdr:	32.27 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0	0	0	30	0.002305	5.417036	0.152273
45	0.05625	26.76186	0.24968817	0.250223	0	0	0	45	0.003457	6.634487	0.186495
60	0.075	30.90194	0.28831506	0.288933	0	0	0	60	0.004609	7.660846	0.215346
110	0.1375	41.84142	0.39038044	0.391217	0	0	0	110	0.008451	10.37283	0.29158
140	0.175	47.20349	0.44040854	0.441353	0	0	0	140	0.010755	11.70214	0.328947
180	0.225	53.52372	0.49937634	0.500447	0	0	0	180	0.013828	13.26897	0.372991
365	0.45625	73.70446	0.68766261	0.689137	0	0	0	365	0.02804	18.89503	0.531139
545	0.68125	84.90877	0.79219885	0.793897	0	0	0	545	0.041869	23.08869	0.649023
730	0.9125	91.47159	0.85342992	0.855259	0	0	0	730	0.056081	26.7216	0.751144
1095	1.36875	97.23399	0.9071931	0.909138	0	0	0	1095	0.084121	32.72715	0.91996
1460	1.825	99.1029	0.92463007	0.926612	0	0	0	1460	0.112162	37.79005	1.062278
1825	2.28125	99.70904	0.93028539	0.93228	0	0	0	1825	0.140202	42.25057	1.187663
3650	4.5625	99.99896	0.93299026	0.93499	0	0	0	3650	0.280404	59.75132	1.67961
7300	9.125	100	0.933	0.935	0	0	0	7300	0.560809	79.6851	2.239948

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.933 in (from SETANL) (from SETANL)
 Total layer sett@ 45: 0.935
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.02 ft²/day
 Hdr: 4 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0	0.153031	0	0	0	0	0	0	0
45	0.05625	26.76186	0.24968817	0.250223	0	0.187424	0	0	0	0	0	0	0
60	0.075	30.90194	0.28831506	0.288933	0	0.216419	0	0	0	0	0	0	0
110	0.1375	41.84142	0.39038044	0.391217	0	0.293033	0	0	0	0	0	0	0
140	0.175	47.20349	0.44040854	0.441353	0	0.330585	0	0	0	0	0	0	0
180	0.225	53.52372	0.49937634	0.500447	0	0.374849	0	0	0	0	0	0	0
365	0.45625	73.70446	0.68766261	0.689137	0	0.533785	0	0	0	0	0	0	0
545	0.68125	84.90877	0.79219885	0.793897	0	0.652256	0	0	0	0	0	0	0
730	0.9125	91.47159	0.85342992	0.855259	0	0.754885	0	0	0	0	0	0	0
1095	1.36875	97.23399	0.9071931	0.909138	0	0.924542	0	0	0	0	0	0	0
1460	1.825	99.1029	0.92463007	0.926612	0	1.067569	0	0	0	0	0	0	0
1825	2.28125	99.70904	0.93028539	0.93228	0	1.193578	0	0	0	0	0	0	0
3650	4.5625	99.99896	0.93299026	0.93499	0	1.687975	0	0	0	0	0	0	0
7300	9.125	100	0.933	0.935	0	2.251104	0	0	0	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1					
Total layer sett@ 30 days:	0.933 in	(from SETANL)	@ 30 days:	0.338 in	(from SETANL)
Total layer sett@ 45:	0.935		r sett@ 45:	0.34	
Total layer sett@ 60:			r sett@ 60:		
Total layer sett@ 110:			sett@ 110:		
Total layer sett@ 140:			sett@ 140:		
Total layer sett@ 180:			sett@ 180:		
Total layer sett@ 365:			sett@ 365:		
Total layer sett@ 545:			sett@ 545:		
Total layer sett@ 730:			sett@ 730:		
Total layer sett@ 1095:			ett@ 1095:		
Total layer sett@ 1460:			ett@ 1460:		
Total layer sett@ 1825:			ett@ 1825:		
Total layer sett@ 3650:			ett@ 3650:		
Total layer sett@ 20:			r sett@ 20:		
Total layer sett@ 50:			r sett@ 50:		
Cv:	0.02 ft ² /day		Cv:	0.02 ft ² /day	
Hdr:	4 ft		Hdr:	26.13 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0	0.000879	3.344963	0.011306	0.011373	0	0	0	0
45	0.05625	26.76186	0.24968817	0.250223	0	0.001318	4.096726	0.013847	0.013929	0	0	0	0
60	0.075	30.90194	0.28831506	0.288933	0	0.001758	4.730492	0.015989	0.016084	0	0	0	0
110	0.1375	41.84142	0.39038044	0.391217	0	0.003222	6.405116	0.021649	0.021777	0	0	0	0
140	0.175	47.20349	0.44040854	0.441353	0	0.004101	7.225945	0.024424	0.024568	0	0	0	0
180	0.225	53.52372	0.49937634	0.500447	0	0.005273	8.193452	0.027694	0.027858	0	0	0	0
365	0.45625	73.70446	0.68766261	0.689137	0	0.010692	11.66748	0.039436	0.039669	0	0	0	0
545	0.68125	84.90877	0.79219885	0.793897	0	0.015964	14.25702	0.048189	0.048474	0	0	0	0
730	0.9125	91.47159	0.85342992	0.855259	0	0.021383	16.50031	0.055771	0.056101	0	0	0	0
1095	1.36875	97.23399	0.9071931	0.909138	0	0.032075	20.20867	0.068305	0.068709	0	0	0	0
1460	1.825	99.1029	0.92463007	0.926612	0	0.042767	23.33496	0.078872	0.079339	0	0	0	0
1825	2.28125	99.70904	0.93028539	0.93228	0	0.053458	26.08928	0.088182	0.088704	0	0	0	0
3650	4.5625	99.99896	0.93299026	0.93499	0	0.106916	36.89581	0.124708	0.125446	0	0	0	0
7300	9.125	100	0.933	0.935	0	0.213833	52.17856	0.176364	0.177407	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.933 in (from SETANL)
 Total layer sett@ 45: 0.935
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 6
 Total layer sett@ 30 days: 0.138 in (from SETANL)
 Total layer sett@ 45: 0.138
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.031 ft²/day
 Hdr: 23.42 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0	0
45	0.05625	26.76186	0.24968817	0.250223	0	0
60	0.075	30.90194	0.28831506	0.288933	0	0
110	0.1375	41.84142	0.39038044	0.391217	0	0
140	0.175	47.20349	0.44040854	0.441353	0	0
180	0.225	53.52372	0.49937634	0.500447	0	0
365	0.45625	73.70446	0.68766261	0.689137	0	0
545	0.68125	84.90877	0.79219885	0.793897	0	0
730	0.9125	91.47159	0.85342992	0.855259	0	0
1095	1.36875	97.23399	0.9071931	0.909138	0	0
1460	1.825	99.1029	0.92463007	0.926612	0	0
1825	2.28125	99.70904	0.93028539	0.93228	0	0
3650	4.5625	99.99896	0.93299026	0.93499	0	0
7300	9.125	100	0.933	0.935	0	0

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.001696	4.646326	0.006412	0.006412	0
45	0.002543	5.690563	0.007853	0.007853	0
60	0.003391	6.570897	0.009068	0.009068	0
110	0.006217	8.897036	0.012278	0.012278	0
140	0.007913	10.03721	0.013851	0.013851	0
180	0.010173	11.38113	0.015706	0.015706	0
365	0.020629	16.20673	0.022365	0.022365	0
545	0.030802	19.80374	0.027329	0.027329	0
730	0.041258	22.91978	0.031629	0.031629	0
1095	0.061887	28.07088	0.038738	0.038738	0
1460	0.082516	32.41346	0.044731	0.044731	0
1825	0.103146	36.23935	0.05001	0.05001	0
3650	0.206291	51.25019	0.070725	0.070725	0
7300	0.412582	70.71229	0.097583	0.097583	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.933 in (from SETANL)
 Total layer sett@ 45: 0.935
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 7
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0	0	0	0	0
45	0.05625	26.76186	0.24968817	0.250223	0	0	0	0	0
60	0.075	30.90194	0.28831506	0.288933	0	0	0	0	0
110	0.1375	41.84142	0.39038044	0.391217	0	0	0	0	0
140	0.175	47.20349	0.44040854	0.441353	0	0	0	0	0
180	0.225	53.52372	0.49937634	0.500447	0	0	0	0	0
365	0.45625	73.70446	0.68766261	0.689137	0	0	0	0	0
545	0.68125	84.90877	0.79219885	0.793897	0	0	0	0	0
730	0.9125	91.47159	0.85342992	0.855259	0	0	0	0	0
1095	1.36875	97.23399	0.9071931	0.909138	0	0	0	0	0
1460	1.825	99.1029	0.92463007	0.926612	0	0	0	0	0
1825	2.28125	99.70904	0.93028539	0.93228	0	0	0	0	0
3650	4.5625	99.99896	0.93299026	0.93499	0	0	0	0	0
7300	9.125	100	0.933	0.935	0	0	0	0	0

time, t (days)	Tv
0	0
30	0.000257
45	0.000385
60	0.000513
110	0.000941
140	0.001198
180	0.00154
365	0.003124
545	0.004664
730	0.006247
1095	0.009371
1460	0.012494
1825	0.015618
3650	0.031236
7300	0.062472

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.933 in (from SETANL) 0.466 in (from SETANL)
 Total layer sett@ 45: 0.935 0.468
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.02 ft²/day 0.02 ft²/day
 Hdr: 4 ft 48.3429 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0	1.807998	0.008425	0.008461	0	0	0	0	0
45	0.05625	26.76186	0.24968817	0.250223	0	2.214336	0.010319	0.010363	0	0	0	0	0
60	0.075	30.90194	0.28831506	0.288933	0	2.556896	0.011915	0.011966	0	0	0	0	0
110	0.1375	41.84142	0.39038044	0.391217	0	3.462053	0.016133	0.016202	0	0	0	0	0
140	0.175	47.20349	0.44040854	0.441353	0	3.905722	0.018201	0.018279	0	0	0	0	0
180	0.225	53.52372	0.49937634	0.500447	0	4.428673	0.020638	0.020726	0	0	0	0	0
365	0.45625	73.70446	0.68766261	0.689137	0	6.306433	0.029388	0.029514	0	0	0	0	0
545	0.68125	84.90877	0.79219885	0.793897	0	7.706117	0.035911	0.036065	0	0	0	0	0
730	0.9125	91.47159	0.85342992	0.855259	0	8.918643	0.041561	0.041739	0	0	0	0	0
1095	1.36875	97.23399	0.9071931	0.909138	0	10.92306	0.050901	0.05112	0	0	0	0	0
1460	1.825	99.1029	0.92463007	0.926612	0	12.61287	0.058776	0.059028	0	0	0	0	0
1825	2.28125	99.70904	0.93028539	0.93228	0	14.10161	0.065714	0.065996	0	0	0	0	0
3650	4.5625	99.99896	0.93299026	0.93499	0	19.94269	0.092933	0.093332	0	0	0	0	0
7300	9.125	100	0.933	0.935	0	28.20323	0.131427	0.131991	0	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.933 in (from SETANL)
 Total layer sett@ 45: 0.935
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 8
 Total layer sett@ 30 days: in (from SETANL)
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: ft²/day
 Hdr: ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0
45	0.05625	26.76186	0.24968817	0.250223	0
60	0.075	30.90194	0.28831506	0.288933	0
110	0.1375	41.84142	0.39038044	0.391217	0
140	0.175	47.20349	0.44040854	0.441353	0
180	0.225	53.52372	0.49937634	0.500447	0
365	0.45625	73.70446	0.68766261	0.689137	0
545	0.68125	84.90877	0.79219885	0.793897	0
730	0.9125	91.47159	0.85342992	0.855259	0
1095	1.36875	97.23399	0.9071931	0.909138	0
1460	1.825	99.1029	0.92463007	0.926612	0
1825	2.28125	99.70904	0.93028539	0.93228	0
3650	4.5625	99.99896	0.93299026	0.93499	0
7300	9.125	100	0.933	0.935	0

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	#DIV/0!	#DIV/0!			
45	#DIV/0!	#DIV/0!			
60	#DIV/0!	#DIV/0!			
110	#DIV/0!	#DIV/0!			
140	#DIV/0!	#DIV/0!			
180	#DIV/0!	#DIV/0!			
365	#DIV/0!	#DIV/0!			
545	#DIV/0!	#DIV/0!			
730	#DIV/0!	#DIV/0!			
1095	#DIV/0!	#DIV/0!			
1460	#DIV/0!	#DIV/0!			
1825	#DIV/0!	#DIV/0!			
3650	#DIV/0!	#DIV/0!			
7300	#DIV/0!	#DIV/0!			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.933 in (from SETANL)
 Total layer sett@ 45: 0.935
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 9
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0				
45	0.05625	26.76186	0.24968817	0.250223	0				
60	0.075	30.90194	0.28831506	0.288933	0				
110	0.1375	41.84142	0.39038044	0.391217	0				
140	0.175	47.20349	0.44040854	0.441353	0				
180	0.225	53.52372	0.49937634	0.500447	0				
365	0.45625	73.70446	0.68766261	0.689137	0				
545	0.68125	84.90877	0.79219885	0.793897	0				
730	0.9125	91.47159	0.85342992	0.855259	0				
1095	1.36875	97.23399	0.9071931	0.909138	0				
1460	1.825	99.1029	0.92463007	0.926612	0				
1825	2.28125	99.70904	0.93028539	0.93228	0				
3650	4.5625	99.99896	0.93299026	0.93499	0				
7300	9.125	100	0.933	0.935	0				

time, t (days)	Tv
0	0
30	#DIV/0!
45	#DIV/0!
60	#DIV/0!
110	#DIV/0!
140	#DIV/0!
180	#DIV/0!
365	#DIV/0!
545	#DIV/0!
730	#DIV/0!
1095	#DIV/0!
1460	#DIV/0!
1825	#DIV/0!
3650	#DIV/0!
7300	#DIV/0!

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.933 in (from SETANL) in (from SETANL)
 Total layer sett@ 45: 0.935
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.02 ft²/day ft²/day
 Hdr: 4 ft ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.20386954	0.204307	0	#DIV/0!							
45	0.05625	26.76186	0.24968817	0.250223	0	#DIV/0!							
60	0.075	30.90194	0.28831506	0.288933	0	#DIV/0!							
110	0.1375	41.84142	0.39038044	0.391217	0	#DIV/0!							
140	0.175	47.20349	0.44040854	0.441353	0	#DIV/0!							
180	0.225	53.52372	0.49937634	0.500447	0	#DIV/0!							
365	0.45625	73.70446	0.68766261	0.689137	0	#DIV/0!							
545	0.68125	84.90877	0.79219885	0.793897	0	#DIV/0!							
730	0.9125	91.47159	0.85342992	0.855259	0	#DIV/0!							
1095	1.36875	97.23399	0.9071931	0.909138	0	#DIV/0!							
1460	1.825	99.1029	0.92463007	0.926612	0	#DIV/0!							
1825	2.28125	99.70904	0.93028539	0.93228	0	#DIV/0!							
3650	4.5625	99.99896	0.93299026	0.93499	0	#DIV/0!							
7300	9.125	100	0.933	0.935	0	#DIV/0!							

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 0.933 in (from SETANL)
 Total layer sett@ 45: 0.935
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: 0.02 ft²/day
 Hdr: 4 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60		
0	0	0	0	0	0		
30	0.0375	21.85097	0.20386954	0.204307	0	0.455707	0.037976
45	0.05625	26.76186	0.24968817	0.250223	0		
60	0.075	30.90194	0.28831506	0.288933	0		
110	0.1375	41.84142	0.39038044	0.391217	0		
140	0.175	47.20349	0.44040854	0.441353	0		
180	0.225	53.52372	0.49937634	0.500447	0		
365	0.45625	73.70446	0.68766261	0.689137	0		
545	0.68125	84.90877	0.79219885	0.793897	0		
730	0.9125	91.47159	0.85342992	0.855259	0		
1095	1.36875	97.23399	0.9071931	0.909138	0		
1460	1.825	99.1029	0.92463007	0.926612	0		
1825	2.28125	99.70904	0.93028539	0.93228	0		
3650	4.5625	99.99896	0.93299026	0.93499	0		
7300	9.125	100	0.933	0.935	0		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.455706986	0.037975582	0.457251306	0.038104275	0	0	0	0
45	0.123287671	0.558124794	0.0465104	0.560016192	0.046668016	0	0	0	0
60	0.164383562	0.644467	0.053705583	0.646650998	0.053887583	0	0	0	0
110	0.301369863	0.872612443	0.072717704	0.875569591	0.072964133	0	0	0	0
140	0.383561644	0.984439604	0.082036634	0.987775716	0.082314643	0	0	0	0
180	0.493150685	1.116249588	0.093020799	1.120032384	0.093336032	0	0	0	0
365	1	1.566090498	0.130507542	1.571426934	0.130952245	0	0	0	0
545	1.493150685	1.86333462	0.155277885	1.869743732	0.155811978	0	0	0	0
730	2	2.08897171	0.174080976	2.096237491	0.174686458	0	0	0	0
1095	3	2.406493875	0.200541156	2.415043352	0.201253613	0	0	0	0
1460	4	2.636018153	0.219668179	2.645553001	0.22046275	0	0	0	0
1825	5	2.821937246	0.235161437	2.832295618	0.236024635	0	0	0	0
3650	10	3.48197619	0.290164682	3.495358914	0.29127991	0	0	0	0
7300	20	4.196249758	0.34968748	4.212996579	0.351083048	0	0	0	0
18250	50	4.89813242	0.408177702	4.918234054	0.409852838	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days	Settlement 140 days	Settlement 180 days	Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0
30	0.082191781	0.455706986	0.037975582	0.457251306	0	0	0	0
45	0.123287671	0.558124794	0.0465104	0.560016192	0	0	0	0
60	0.164383562	0.644467	0.053705583	0.646650998	0	0	0	0
110	0.301369863	0.872612443	0.072717704	0.875569591	0	0	0	0
140	0.383561644	0.984439604	0.082036634	0.987775716	0	0	0	0
180	0.493150685	1.116249588	0.093020799	1.120032384	0	0	0	0
365	1	1.566090498	0.130507542	1.571426934	0	0	0	0
545	1.493150685	1.86333462	0.155277885	1.869743732	0	0	0	0
730	2	2.08897171	0.174080976	2.096237491	0	0	0	0
1095	3	2.406493875	0.200541156	2.415043352	0	0	0	0
1460	4	2.636018153	0.219668179	2.645553001	0	0	0	0
1825	5	2.821937246	0.235161437	2.832295618	0	0	0	0
3650	10	3.48197619	0.290164682	3.495358914	0	0	0	0
7300	20	4.196249758	0.34968748	4.212996579	0	0	0	0
18250	50	4.89813242	0.408177702	4.918234054	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 545 days		Settlement 730 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.455706986	0.037975582	0.457251306	0	0	0	0	0
45	0.123287671	0.558124794	0.0465104	0.560016192	0	0	0	0	0
60	0.164383562	0.644467	0.053705583	0.646650998	0	0	0	0	0
110	0.301369863	0.872612443	0.072717704	0.875569591	0	0	0	0	0
140	0.383561644	0.984439604	0.082036634	0.987775716	0	0	0	0	0
180	0.493150685	1.116249588	0.093020799	1.120032384	0	0	0	0	0
365	1	1.566090498	0.130507542	1.571426934	0	0	0	0	0
545	1.493150685	1.86333462	0.155277885	1.869743732	0	0	0	0	0
730	2	2.08897171	0.174080976	2.096237491	0	0	0	0	0
1095	3	2.406493875	0.200541156	2.415043352	0	0	0	0	0
1460	4	2.636018153	0.219668179	2.645553001	0	0	0	0	0
1825	5	2.821937246	0.235161437	2.832295618	0	0	0	0	0
3650	10	3.48197619	0.290164682	3.495358914	0	0	0	0	0
7300	20	4.196249758	0.34968748	4.212996579	0	0	0	0	0
18250	50	4.89813242	0.408177702	4.918234054	0	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.455706986	0.037975582	0.457251306	0	0	0	0	0
45	0.123287671	0.558124794	0.0465104	0.560016192	0	0	0	0	0
60	0.164383562	0.644467	0.053705583	0.646650998	0	0	0	0	0
110	0.301369863	0.872612443	0.072717704	0.875569591	0	0	0	0	0
140	0.383561644	0.984439604	0.082036634	0.987775716	0	0	0	0	0
180	0.493150685	1.116249588	0.093020799	1.120032384	0	0	0	0	0
365	1	1.566090498	0.130507542	1.571426934	0	0	0	0	0
545	1.493150685	1.86333462	0.155277885	1.869743732	0	0	0	0	0
730	2	2.08897171	0.174080976	2.096237491	0	0	0	0	0
1095	3	2.406493875	0.200541156	2.415043352	0	0	0	0	0
1460	4	2.636018153	0.219668179	2.645553001	0	0	0	0	0
1825	5	2.821937246	0.235161437	2.832295618	0	0	0	0	0
3650	10	3.48197619	0.290164682	3.495358914	0	0	0	0	0
7300	20	4.196249758	0.34968748	4.212996579	0	0	0	0	0
18250	50	4.89813242	0.408177702	4.918234054	0	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days	Settlement 5 years	Settlement 10 years	Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0
30	0.082191781	0.455706986	0.037975582	0.457251306	0	0	0	0
45	0.123287671	0.558124794	0.0465104	0.560016192	0	0	0	0
60	0.164383562	0.644467	0.053705583	0.646650998	0	0	0	0
110	0.301369863	0.872612443	0.072717704	0.875569591	0	0	0	0
140	0.383561644	0.984439604	0.082036634	0.987775716	0	0	0	0
180	0.493150685	1.116249588	0.093020799	1.120032384	0	0	0	0
365	1	1.566090498	0.130507542	1.571426934	0	0	0	0
545	1.493150685	1.86333462	0.155277885	1.869743732	0	0	0	0
730	2	2.08897171	0.174080976	2.096237491	0	0	0	0
1095	3	2.406493875	0.200541156	2.415043352	0	0	0	0
1460	4	2.636018153	0.219668179	2.645553001	0	0	0	0
1825	5	2.821937246	0.235161437	2.832295618	0	0	0	0
3650	10	3.48197619	0.290164682	3.495358914	0	0	0	0
7300	20	4.196249758	0.34968748	4.212996579	0	0	0	0
18250	50	4.89813242	0.408177702	4.918234054	0	0	0	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.455706986	0.037975582	0.457251306	0	0	0	0	
45	0.123287671	0.558124794	0.0465104	0.560016192	0	0	0	0	
60	0.164383562	0.644467	0.053705583	0.646650998	0	0	0	0	
110	0.301369863	0.872612443	0.072717704	0.875569591	0	0	0	0	
140	0.383561644	0.984439604	0.082036634	0.987775716	0	0	0	0	
180	0.493150685	1.116249588	0.093020799	1.120032384	0	0	0	0	
365	1	1.566090498	0.130507542	1.571426934	0	0	0	0	
545	1.493150685	1.86333462	0.155277885	1.869743732	0	0	0	0	
730	2	2.08897171	0.174080976	2.096237491	0	0	0	0	
1095	3	2.406493875	0.200541156	2.415043352	0	0	0	0	
1460	4	2.636018153	0.219668179	2.645553001	0	0	0	0	
1825	5	2.821937246	0.235161437	2.832295618	0	0	0	0	
3650	10	3.48197619	0.290164682	3.495358914	0	0	0	0	
7300	20	4.196249758	0.34968748	4.212996579	0	0	0	0	
18250	50	4.89813242	0.408177702	4.918234054	0	0	0	0	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-1.5)

Initial Fill Elevation = 1.5 ft														
Layer 1											Layer 2			
Total layer sett@ 30 days:		0.511 in									(from SETANL)	Total layer sett@ 30 days:		0.122
Total layer sett@ 45:		0.511										Total layer sett@ 45:		0.122
Total layer sett@ 60:		0.336										Total layer sett@ 60:		0.074
Total layer sett@ 110:		0.336										Total layer sett@ 110:		0.074
Total layer sett@ 140:		0.336										Total layer sett@ 140:		0.074
Total layer sett@ 180:		0.336										Total layer sett@ 180:		0.074
Total layer sett@ 365:		0.336										Total layer sett@ 365:		0.074
Total layer sett@ 545:		0.336										Total layer sett@ 545:		0.074
Total layer sett@ 730:		0.336										Total layer sett@ 730:		0.074
Total layer sett@ 1095:		0.336										Total layer sett@ 1095:		0.074
Total layer sett@ 1460:		0.336										Total layer sett@ 1460:		0.074
Total layer sett@ 1825:		0.336										Total layer sett@ 1825:		0.074
Total layer sett@ 3650:		0.336										Total layer sett@ 3650:		0.074
Total layer sett@ 20:		0.336										Total layer sett@ 20:		0.074
Total layer sett@ 50:		0.336										Total layer sett@ 50:		0.074
Cv:		0.02 ft ² /day										Cv:		0.03
Hdr:		4 ft										Hdr:		6.9
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U		
0	0	0	0	0	0	0	0	0	0	0	0	0		
30	0.0375	21.85097	0.11165845	0.111658	0.073419	0.07341925	0.073419	0.073419	0.073419	30	0.018904	15.5141227		
45	0.05625	26.76186	0.13675311	0.136753	0.08992	0.08991986	0.08992	0.08992	0.08992	45	0.028355	19.0008423		
60	0.075	30.90194	0.15790889	0.157909	0.103831	0.10383051	0.103831	0.103831	0.103831	60	0.037807	21.9402828		
110	0.1375	41.84142	0.21380965	0.21381	0.140587	0.14058717	0.140587	0.140587	0.140587	110	0.069313	29.7072833		
140	0.175	47.20349	0.24120982	0.24121	0.158604	0.15860372	0.158604	0.158604	0.158604	140	0.088217	33.5143356		
180	0.225	53.52372	0.27350623	0.273506	0.17984	0.17983971	0.17984	0.17984	0.17984	180	0.113422	38.0016845		
365	0.45625	73.70446	0.37662979	0.37663	0.247647	0.24764698	0.247647	0.247647	0.247647	365	0.229994	54.1144225		
545	0.68125	84.90877	0.43388383	0.433884	0.285293	0.28529348	0.285293	0.285293	0.285293	545	0.343415	65.2608115		
730	0.9125	91.47159	0.46741982	0.46742	0.307345	0.30734454	0.307345	0.307345	0.307345	730	0.459987	73.9458856		
1095	1.36875	97.23399	0.49686567	0.496866	0.326706	0.3267062	0.326706	0.326706	0.326706	1095	0.689981	85.2304775		
1460	1.825	99.1029	0.50641582	0.506416	0.332986	0.33298575	0.332986	0.332986	0.332986	1460	0.919975	91.6274722		
1825	2.28125	99.70904	0.50951322	0.509513	0.335022	0.33502239	0.335022	0.335022	0.335022	1825	1.149968	95.2537923		
3650	4.5625	99.99896	0.51099466	0.510995	0.335996	0.33599649	0.335996	0.335996	0.335996	3650	2.299937	99.7221583		
7300	9.125	100	0.511	0.511	0.336	0.336	0.336	0.336	0.336	7300	4.599874	99.9990479		
18250	22.8125	100	0.511	0.511	0.336	0.336	0.336	0.336	0.336	18250	11.49968	100		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-1.5)

Initial Fill Elevation = 1.5 ft

Layer 1				Layer 3		
Total layer sett@ 30 days:	0.511 in		(from SETANL)	Total layer sett@ 30 days:	0.151 in	
Total layer sett@ 45:	0.511			Total layer sett@ 45:	0.151	
Total layer sett@ 60:	0.336			Total layer sett@ 60:	0.088	
Total layer sett@ 110:	0.336			Total layer sett@ 110:	0.088	
Total layer sett@ 140:	0.336			Total layer sett@ 140:	0.088	
Total layer sett@ 180:	0.336			Total layer sett@ 180:	0.088	
Total layer sett@ 365:	0.336			Total layer sett@ 365:	0.088	
Total layer sett@ 545:	0.336			Total layer sett@ 545:	0.088	
Total layer sett@ 730:	0.336			Total layer sett@ 730:	0.088	
Total layer sett@ 1095:	0.336			Total layer sett@ 1095:	0.088	
Total layer sett@ 1460:	0.336			Total layer sett@ 1460:	0.088	
Total layer sett@ 1825:	0.336			Total layer sett@ 1825:	0.088	
Total layer sett@ 3650:	0.336			Total layer sett@ 3650:	0.088	
Total layer sett@ 20:	0.336			Total layer sett@ 20:	0.088	
Total layer sett@ 50:	0.336			Total layer sett@ 50:	0.088	
Cv:	0.02 ft ² /day			Cv:	0.08 ft ² /day	
Hdr:	4 ft			Hdr:	19.27 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.11165845	0.111658	0.073419	30	0.006463	9.071497	0.013698	0.013698	0.007983	0.007983	0.007983
45	0.05625	26.76186	0.13675311	0.136753	0.08992	45	0.009695	11.11027	0.016777	0.016777	0.009777	0.009777	0.009777
60	0.075	30.90194	0.15790889	0.157909	0.103831	60	0.012926	12.82903	0.019372	0.019372	0.01129	0.01129	0.01129
110	0.1375	41.84142	0.21380965	0.21381	0.140587	110	0.023698	17.37059	0.02623	0.02623	0.015286	0.015286	0.015286
140	0.175	47.20349	0.24120982	0.24121	0.158604	140	0.030162	19.59667	0.029591	0.029591	0.017245	0.017245	0.017245
180	0.225	53.52372	0.27350623	0.273506	0.17984	180	0.038779	22.22054	0.033553	0.033553	0.019554	0.019554	0.019554
365	0.45625	73.70446	0.37662979	0.37663	0.247647	365	0.078636	31.64206	0.04778	0.04778	0.027845	0.027845	0.027845
545	0.68125	84.90877	0.43388383	0.433884	0.285293	545	0.117415	38.66487	0.058384	0.058384	0.034025	0.034025	0.034025
730	0.9125	91.47159	0.46741982	0.46742	0.307345	730	0.157271	44.74863	0.06757	0.06757	0.039379	0.039379	0.039379
1095	1.36875	97.23399	0.49686567	0.496866	0.326706	1095	0.235907	54.80566	0.082757	0.082757	0.048229	0.048229	0.048229
1460	1.825	99.1029	0.50641582	0.506416	0.332986	1460	0.314543	62.69511	0.09467	0.09467	0.055172	0.055172	0.055172
1825	2.28125	99.70904	0.50951322	0.509513	0.335022	1825	0.393178	69.27562	0.104606	0.104606	0.060963	0.060963	0.060963
3650	4.5625	99.99896	0.51099466	0.510995	0.335996	3650	0.786356	88.35685	0.133419	0.133419	0.077754	0.077754	0.077754
7300	9.125	100	0.511	0.511	0.336	7300	1.572713	98.32797	0.148475	0.148475	0.086529	0.086529	0.086529
18250	22.8125	100	0.511	0.511	0.336	18250	3.931782	99.99505	0.150993	0.150993	0.087996	0.087996	0.087996

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-1.5)

Initial Fill Elevation = 1.5 ft

Layer 1			
Total layer sett@ 30 days:	0.511 in	(from SETANL)	(from SETANL)
Total layer sett@ 45:	0.511		
Total layer sett@ 60:	0.336		
Total layer sett@ 110:	0.336		
Total layer sett@ 140:	0.336		
Total layer sett@ 180:	0.336		
Total layer sett@ 365:	0.336		
Total layer sett@ 545:	0.336		
Total layer sett@ 730:	0.336		
Total layer sett@ 1095:	0.336		
Total layer sett@ 1460:	0.336		
Total layer sett@ 1825:	0.336		
Total layer sett@ 3650:	0.336		
Total layer sett@ 20:	0.336		
Total layer sett@ 50:	0.336		
Cv:	0.02 ft ² /day		
Hdr:	4 ft		

Layer 4			
Total layer sett@ 30 days:	1.097 in		
Total layer sett@ 45:	1.097		
Total layer sett@ 60:	0.628		
Total layer sett@ 110:	0.628		
Total layer sett@ 140:	0.628		
Total layer sett@ 180:	0.628		
Total layer sett@ 365:	0.628		
Total layer sett@ 545:	0.628		
Total layer sett@ 730:	0.628		
Total layer sett@ 1095:	0.628		
Total layer sett@ 1460:	0.628		
Total layer sett@ 1825:	0.628		
Total layer sett@ 3650:	0.628		
Total layer sett@ 20:	0.628		
Total layer sett@ 50:	0.628		
Cv:	0.08 ft ² /day		
Hdr:	32.27 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.11165845	0.111658	0.073419	0.007983	0.007983
45	0.05625	26.76186	0.13675311	0.136753	0.08992	0.009777	0.009777
60	0.075	30.90194	0.15790889	0.157909	0.103831	0.011129	0.011129
110	0.1375	41.84142	0.21380965	0.21381	0.140587	0.015286	0.015286
140	0.175	47.20349	0.24120982	0.24121	0.158604	0.017245	0.017245
180	0.225	53.52372	0.27350623	0.273506	0.17984	0.019554	0.019554
365	0.45625	73.70446	0.37662979	0.37663	0.247647	0.027845	0.027845
545	0.68125	84.90877	0.43388383	0.433884	0.285293	0.034025	0.034025
730	0.9125	91.47159	0.46741982	0.46742	0.307345	0.039379	0.039379
1095	1.36875	97.23399	0.49686567	0.496866	0.326706	0.048229	0.048229
1460	1.825	99.1029	0.50641582	0.506416	0.332986	0.055172	0.055172
1825	2.28125	99.70904	0.50951322	0.509513	0.335022	0.060963	0.060963
3650	4.5625	99.99896	0.51099466	0.510995	0.335996	0.077754	0.077754
7300	9.125	100	0.511	0.511	0.336	0.086529	0.086529
18250	22.8125	100	0.511	0.511	0.336	0.087996	0.087996

time, t (days)	Tv	U	Sett@30
0	0	0	0
30	0.002305	5.417036	0.059425
45	0.003457	6.634487	0.07278
60	0.004609	7.660846	0.084039
110	0.008451	10.37283	0.11379
140	0.010755	11.70214	0.128372
180	0.013828	13.26897	0.145561
365	0.02804	18.89503	0.207278
545	0.041869	23.08869	0.253283
730	0.056081	26.7216	0.293136
1095	0.084121	32.72715	0.359017
1460	0.112162	37.79005	0.414557
1825	0.140202	42.25057	0.463489
3650	0.280404	59.75132	0.655472
7300	0.560809	79.6851	0.874146
18250	1.402022	97.45204	1.069049

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-1.5)

Initial Fill Elevation = 1.5 ft

Layer 1					
Total layer sett@ 30 days:	0.511 in	(from SETANL)	@ 30 days:	0.129 in	(from SETANL)
Total layer sett@ 45:	0.511		r sett@ 45:	0.129	
Total layer sett@ 60:	0.336		r sett@ 60:	0.074	
Total layer sett@ 110:	0.336		sett@ 110:	0.074	
Total layer sett@ 140:	0.336		sett@ 140:	0.074	
Total layer sett@ 180:	0.336		sett@ 180:	0.074	
Total layer sett@ 365:	0.336		sett@ 365:	0.074	
Total layer sett@ 545:	0.336		sett@ 545:	0.074	
Total layer sett@ 730:	0.336		sett@ 730:	0.074	
Total layer sett@ 1095:	0.336		ett@ 1095:	0.074	
Total layer sett@ 1460:	0.336		ett@ 1460:	0.074	
Total layer sett@ 1825:	0.336		ett@ 1825:	0.074	
Total layer sett@ 3650:	0.336		ett@ 3650:	0.074	
Total layer sett@ 20:	0.336		r sett@ 20:	0.074	
Total layer sett@ 50:	0.336		r sett@ 50:	0.074	
Cv:	0.02 ft ² /day		Cv:	0.02 ft ² /day	
Hdr:	4 ft		Hdr:	26.13 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.11165845	0.111658	0.073419	0.000879	3.344963	0.004315	0.004315	0.002475	0.002475	0.002475	0.002475
45	0.05625	26.76186	0.13675311	0.136753	0.08992	0.001318	4.096726	0.005285	0.005285	0.003032	0.003032	0.003032	0.003032
60	0.075	30.90194	0.15790889	0.157909	0.103831	0.001758	4.730492	0.006102	0.006102	0.003501	0.003501	0.003501	0.003501
110	0.1375	41.84142	0.21380965	0.21381	0.140587	0.003222	6.405116	0.008263	0.008263	0.00474	0.00474	0.00474	0.00474
140	0.175	47.20349	0.24120982	0.24121	0.158604	0.004101	7.225945	0.009321	0.009321	0.005347	0.005347	0.005347	0.005347
180	0.225	53.52372	0.27350623	0.273506	0.17984	0.005273	8.193452	0.01057	0.01057	0.006063	0.006063	0.006063	0.006063
365	0.45625	73.70446	0.37662979	0.37663	0.247647	0.010692	11.66748	0.015051	0.015051	0.008634	0.008634	0.008634	0.008634
545	0.68125	84.90877	0.43388383	0.433884	0.285293	0.015964	14.25702	0.018392	0.018392	0.01055	0.01055	0.01055	0.01055
730	0.9125	91.47159	0.46741982	0.46742	0.307345	0.021383	16.50031	0.021285	0.021285	0.01221	0.01221	0.01221	0.01221
1095	1.36875	97.23399	0.49686567	0.496866	0.326706	0.032075	20.20867	0.026069	0.026069	0.014954	0.014954	0.014954	0.014954
1460	1.825	99.1029	0.50641582	0.506416	0.332986	0.042767	23.33496	0.030102	0.030102	0.017268	0.017268	0.017268	0.017268
1825	2.28125	99.70904	0.50951322	0.509513	0.335022	0.053458	26.08928	0.033655	0.033655	0.019306	0.019306	0.019306	0.019306
3650	4.5625	99.99896	0.51099466	0.510995	0.335996	0.106916	36.89581	0.047596	0.047596	0.027303	0.027303	0.027303	0.027303
7300	9.125	100	0.511	0.511	0.336	0.213833	52.17856	0.06731	0.06731	0.038612	0.038612	0.038612	0.038612
18250	22.8125	100	0.511	0.511	0.336	0.534582	78.32668	0.101041	0.101041	0.057962	0.057962	0.057962	0.057962

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-1.5)

Initial Fill Elevation = 1.5 ft

Layer 1

Total layer sett@ 30 days:	0.511 in	(from SETANL)
Total layer sett@ 45:	0.511	
Total layer sett@ 60:	0.336	
Total layer sett@ 110:	0.336	
Total layer sett@ 140:	0.336	
Total layer sett@ 180:	0.336	
Total layer sett@ 365:	0.336	
Total layer sett@ 545:	0.336	
Total layer sett@ 730:	0.336	
Total layer sett@ 1095:	0.336	
Total layer sett@ 1460:	0.336	
Total layer sett@ 1825:	0.336	
Total layer sett@ 3650:	0.336	
Total layer sett@ 20:	0.336	
Total layer sett@ 50:	0.336	
Cv:	0.02 ft ² /day	
Hdr:	4 ft	

Layer 6

Total layer sett@ 30 days:	0.052 in	(from SETANL)
Total layer sett@ 45:	0.052	
Total layer sett@ 60:	0.03	
Total layer sett@ 110:	0.03	
Total layer sett@ 140:	0.03	
Total layer sett@ 180:	0.03	
Total layer sett@ 365:	0.03	
Total layer sett@ 545:	0.03	
Total layer sett@ 730:	0.03	
Total layer sett@ 1095:	0.03	
Total layer sett@ 1460:	0.03	
Total layer sett@ 1825:	0.03	
Total layer sett@ 3650:	0.03	
Total layer sett@ 20:	0.03	
Total layer sett@ 50:	0.03	
Cv:	0.031 ft ² /day	
Hdr:	23.42 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	0.0375	21.85097	0.11165845	0.111658	0.073419	0.002475
45	0.05625	26.76186	0.13675311	0.136753	0.08992	0.003032
60	0.075	30.90194	0.15790889	0.157909	0.103831	0.003501
110	0.1375	41.84142	0.21380965	0.21381	0.140587	0.00474
140	0.175	47.20349	0.24120982	0.24121	0.158604	0.005347
180	0.225	53.52372	0.27350623	0.273506	0.17984	0.006063
365	0.45625	73.70446	0.37662979	0.37663	0.247647	0.008634
545	0.68125	84.90877	0.43388383	0.433884	0.285293	0.01055
730	0.9125	91.47159	0.46741982	0.46742	0.307345	0.01221
1095	1.36875	97.23399	0.49686567	0.496866	0.326706	0.014954
1460	1.825	99.1029	0.50641582	0.506416	0.332986	0.017268
1825	2.28125	99.70904	0.50951322	0.509513	0.335022	0.019306
3650	4.5625	99.99896	0.51099466	0.510995	0.335996	0.027303
7300	9.125	100	0.511	0.511	0.336	0.038612
18250	22.8125	100	0.511	0.511	0.336	0.057962

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.001696	4.646326	0.002416	0.002416	0.001394
45	0.002543	5.690563	0.002959	0.002959	0.001707
60	0.003391	6.570897	0.003417	0.003417	0.001971
110	0.006217	8.897036	0.004626	0.004626	0.002669
140	0.007913	10.03721	0.005219	0.005219	0.003011
180	0.010173	11.38113	0.005918	0.005918	0.003414
365	0.020629	16.20673	0.008428	0.008428	0.004862
545	0.030802	19.80374	0.010298	0.010298	0.005941
730	0.041258	22.91978	0.011918	0.011918	0.006876
1095	0.061887	28.07088	0.014597	0.014597	0.008421
1460	0.082516	32.41346	0.016855	0.016855	0.009724
1825	0.103146	36.23935	0.018844	0.018844	0.010872
3650	0.206291	51.25019	0.02665	0.02665	0.015375
7300	0.412582	70.71229	0.03677	0.03677	0.021214
18250	1.031456	93.64128	0.048693	0.048693	0.028092

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-1.5)

Initial Fill Elevation = 1.5 ft

Layer 1
 Total layer sett@ 30 days: 0.511 in (from SETANL)
 Total layer sett@ 45: 0.511
 Total layer sett@ 60: 0.336
 Total layer sett@ 110: 0.336
 Total layer sett@ 140: 0.336
 Total layer sett@ 180: 0.336
 Total layer sett@ 365: 0.336
 Total layer sett@ 545: 0.336
 Total layer sett@ 730: 0.336
 Total layer sett@ 1095: 0.336
 Total layer sett@ 1460: 0.336
 Total layer sett@ 1825: 0.336
 Total layer sett@ 3650: 0.336
 Total layer sett@ 20: 0.336
 Total layer sett@ 50: 0.336
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 7
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.11165845	0.111658	0.073419	0.001394	0.001394	0.001394	0.001394
45	0.05625	26.76186	0.13675311	0.136753	0.08992	0.001707	0.001707	0.001707	0.001707
60	0.075	30.90194	0.15790889	0.157909	0.103831	0.001971	0.001971	0.001971	0.001971
110	0.1375	41.84142	0.21380965	0.21381	0.140587	0.002669	0.002669	0.002669	0.002669
140	0.175	47.20349	0.24120982	0.24121	0.158604	0.003011	0.003011	0.003011	0.003011
180	0.225	53.52372	0.27350623	0.273506	0.17984	0.003414	0.003414	0.003414	0.003414
365	0.45625	73.70446	0.37662979	0.37663	0.247647	0.004862	0.004862	0.004862	0.004862
545	0.68125	84.90877	0.43388383	0.433884	0.285293	0.005941	0.005941	0.005941	0.005941
730	0.9125	91.47159	0.46741982	0.46742	0.307345	0.006876	0.006876	0.006876	0.006876
1095	1.36875	97.23399	0.49686567	0.496866	0.326706	0.008421	0.008421	0.008421	0.008421
1460	1.825	99.1029	0.50641582	0.506416	0.332986	0.009724	0.009724	0.009724	0.009724
1825	2.28125	99.70904	0.50951322	0.509513	0.335022	0.010872	0.010872	0.010872	0.010872
3650	4.5625	99.99896	0.51099466	0.510995	0.335996	0.015375	0.015375	0.015375	0.015375
7300	9.125	100	0.511	0.511	0.336	0.021214	0.021214	0.021214	0.021214
18250	22.8125	100	0.511	0.511	0.336	0.028092	0.028092	0.028092	0.028092

time, t (days)	Tv
0	0
30	0.000257
45	0.000385
60	0.000513
110	0.000941
140	0.001198
180	0.00154
365	0.003124
545	0.004664
730	0.006247
1095	0.009371
1460	0.012494
1825	0.015618
3650	0.031236
7300	0.062472
18250	0.156181

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-1.5)

Initial Fill Elevation = 1.5 ft

Layer 1			
Total layer sett@ 30 days:	0.511 in	(from SETANL)	0.176 in (from SETANL)
Total layer sett@ 45:	0.511		0.176
Total layer sett@ 60:	0.336		0.1
Total layer sett@ 110:	0.336		0.1
Total layer sett@ 140:	0.336		0.1
Total layer sett@ 180:	0.336		0.1
Total layer sett@ 365:	0.336		0.1
Total layer sett@ 545:	0.336		0.1
Total layer sett@ 730:	0.336		0.1
Total layer sett@ 1095:	0.336		0.1
Total layer sett@ 1460:	0.336		0.1
Total layer sett@ 1825:	0.336		0.1
Total layer sett@ 3650:	0.336		0.1
Total layer sett@ 20:	0.336		0.1
Total layer sett@ 50:	0.336		0.1
Cv:	0.02 ft ² /day		0.02 ft ² /day
Hdr:	4 ft		48.3429 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.11165845	0.111658	0.073419	1.807998	0.003182	0.003182	0.001808	0.001808	0.001808	0.001808	0.001808
45	0.05625	26.76186	0.13675311	0.136753	0.08992	2.214336	0.003897	0.003897	0.002214	0.002214	0.002214	0.002214	0.002214
60	0.075	30.90194	0.15790889	0.157909	0.103831	2.556896	0.0045	0.0045	0.002557	0.002557	0.002557	0.002557	0.002557
110	0.1375	41.84142	0.21380965	0.21381	0.140587	3.462053	0.006093	0.006093	0.003462	0.003462	0.003462	0.003462	0.003462
140	0.175	47.20349	0.24120982	0.24121	0.158604	3.905722	0.006874	0.006874	0.003906	0.003906	0.003906	0.003906	0.003906
180	0.225	53.52372	0.27350623	0.273506	0.17984	4.428673	0.007794	0.007794	0.004429	0.004429	0.004429	0.004429	0.004429
365	0.45625	73.70446	0.37662979	0.37663	0.247647	6.306433	0.011099	0.011099	0.006306	0.006306	0.006306	0.006306	0.006306
545	0.68125	84.90877	0.43388383	0.433884	0.285293	7.706117	0.013563	0.013563	0.007706	0.007706	0.007706	0.007706	0.007706
730	0.9125	91.47159	0.46741982	0.46742	0.307345	8.918643	0.015697	0.015697	0.008919	0.008919	0.008919	0.008919	0.008919
1095	1.36875	97.23399	0.49686567	0.496866	0.326706	10.92306	0.019225	0.019225	0.010923	0.010923	0.010923	0.010923	0.010923
1460	1.825	99.1029	0.50641582	0.506416	0.332986	12.61287	0.022199	0.022199	0.012613	0.012613	0.012613	0.012613	0.012613
1825	2.28125	99.70904	0.50951322	0.509513	0.335022	14.10161	0.024819	0.024819	0.014102	0.014102	0.014102	0.014102	0.014102
3650	4.5625	99.99896	0.51099466	0.510995	0.335996	19.94269	0.035099	0.035099	0.019943	0.019943	0.019943	0.019943	0.019943
7300	9.125	100	0.511	0.511	0.336	28.20323	0.049638	0.049638	0.028203	0.028203	0.028203	0.028203	0.028203
18250	22.8125	100	0.511	0.511	0.336	44.59322	0.078484	0.078484	0.044593	0.044593	0.044593	0.044593	0.044593

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-1.5)

Initial Fill Elevation = 1.5 ft

Layer 1
 Total layer sett@ 30 days: 0.511 in (from SETANL)
 Total layer sett@ 45: 0.511
 Total layer sett@ 60: 0.336
 Total layer sett@ 110: 0.336
 Total layer sett@ 140: 0.336
 Total layer sett@ 180: 0.336
 Total layer sett@ 365: 0.336
 Total layer sett@ 545: 0.336
 Total layer sett@ 730: 0.336
 Total layer sett@ 1095: 0.336
 Total layer sett@ 1460: 0.336
 Total layer sett@ 1825: 0.336
 Total layer sett@ 3650: 0.336
 Total layer sett@ 20: 0.336
 Total layer sett@ 50: 0.336
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 8
 Total layer sett@ 30 days: in (from SETANL)
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: ft²/day
 Hdr: ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.0375	21.85097	0.11165845	0.111658	0.073419
45	0.05625	26.76186	0.13675311	0.136753	0.08992
60	0.075	30.90194	0.15790889	0.157909	0.103831
110	0.1375	41.84142	0.21380965	0.21381	0.140587
140	0.175	47.20349	0.24120982	0.24121	0.158604
180	0.225	53.52372	0.27350623	0.273506	0.17984
365	0.45625	73.70446	0.37662979	0.37663	0.247647
545	0.68125	84.90877	0.43388383	0.433884	0.285293
730	0.9125	91.47159	0.46741982	0.46742	0.307345
1095	1.36875	97.23399	0.49686567	0.496866	0.326706
1460	1.825	99.1029	0.50641582	0.506416	0.332986
1825	2.28125	99.70904	0.50951322	0.509513	0.335022
3650	4.5625	99.99896	0.51099466	0.510995	0.335996
7300	9.125	100	0.511	0.511	0.336
18250	22.8125	100	0.511	0.511	0.336

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	#DIV/0!	#DIV/0!			
45	#DIV/0!	#DIV/0!			
60	#DIV/0!	#DIV/0!			
110	#DIV/0!	#DIV/0!			
140	#DIV/0!	#DIV/0!			
180	#DIV/0!	#DIV/0!			
365	#DIV/0!	#DIV/0!			
545	#DIV/0!	#DIV/0!			
730	#DIV/0!	#DIV/0!			
1095	#DIV/0!	#DIV/0!			
1460	#DIV/0!	#DIV/0!			
1825	#DIV/0!	#DIV/0!			
3650	#DIV/0!	#DIV/0!			
7300	#DIV/0!	#DIV/0!			
18250	#DIV/0!	#DIV/0!			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-1.5)

Initial Fill Elevation = 1.5 ft

Layer 1
 Total layer sett@ 30 days: 0.511 in (from SETANL)
 Total layer sett@ 45: 0.511
 Total layer sett@ 60: 0.336
 Total layer sett@ 110: 0.336
 Total layer sett@ 140: 0.336
 Total layer sett@ 180: 0.336
 Total layer sett@ 365: 0.336
 Total layer sett@ 545: 0.336
 Total layer sett@ 730: 0.336
 Total layer sett@ 1095: 0.336
 Total layer sett@ 1460: 0.336
 Total layer sett@ 1825: 0.336
 Total layer sett@ 3650: 0.336
 Total layer sett@ 20: 0.336
 Total layer sett@ 50: 0.336
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 9
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.11165845	0.111658	0.073419				
45	0.05625	26.76186	0.13675311	0.136753	0.08992				
60	0.075	30.90194	0.15790889	0.157909	0.103831				
110	0.1375	41.84142	0.21380965	0.21381	0.140587				
140	0.175	47.20349	0.24120982	0.24121	0.158604				
180	0.225	53.52372	0.27350623	0.273506	0.17984				
365	0.45625	73.70446	0.37662979	0.37663	0.247647				
545	0.68125	84.90877	0.43388383	0.433884	0.285293				
730	0.9125	91.47159	0.46741982	0.46742	0.307345				
1095	1.36875	97.23399	0.49686567	0.496866	0.326706				
1460	1.825	99.1029	0.50641582	0.506416	0.332986				
1825	2.28125	99.70904	0.50951322	0.509513	0.335022				
3650	4.5625	99.99896	0.51099466	0.510995	0.335996				
7300	9.125	100	0.511	0.511	0.336				
18250	22.8125	100	0.511	0.511	0.336				

time, t (days)	Tv
0	0
30	#DIV/0!
45	#DIV/0!
60	#DIV/0!
110	#DIV/0!
140	#DIV/0!
180	#DIV/0!
365	#DIV/0!
545	#DIV/0!
730	#DIV/0!
1095	#DIV/0!
1460	#DIV/0!
1825	#DIV/0!
3650	#DIV/0!
7300	#DIV/0!
18250	#DIV/0!

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-1.5)

Initial Fill Elevation = 1.5 ft

Layer 1

Total layer sett@ 30 days: 0.511 in (from SETANL) in (from SETANL)
 Total layer sett@ 45: 0.511
 Total layer sett@ 60: 0.336
 Total layer sett@ 110: 0.336
 Total layer sett@ 140: 0.336
 Total layer sett@ 180: 0.336
 Total layer sett@ 365: 0.336
 Total layer sett@ 545: 0.336
 Total layer sett@ 730: 0.336
 Total layer sett@ 1095: 0.336
 Total layer sett@ 1460: 0.336
 Total layer sett@ 1825: 0.336
 Total layer sett@ 3650: 0.336
 Total layer sett@ 20: 0.336
 Total layer sett@ 50: 0.336
 Cv: 0.02 ft²/day ft²/day
 Hdr: 4 ft ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.11165845	0.111658	0.073419	#DIV/0!							
45	0.05625	26.76186	0.13675311	0.136753	0.08992	#DIV/0!							
60	0.075	30.90194	0.15790889	0.157909	0.103831	#DIV/0!							
110	0.1375	41.84142	0.21380965	0.21381	0.140587	#DIV/0!							
140	0.175	47.20349	0.24120982	0.24121	0.158604	#DIV/0!							
180	0.225	53.52372	0.27350623	0.273506	0.17984	#DIV/0!							
365	0.45625	73.70446	0.37662979	0.37663	0.247647	#DIV/0!							
545	0.68125	84.90877	0.43388383	0.433884	0.285293	#DIV/0!							
730	0.9125	91.47159	0.46741982	0.46742	0.307345	#DIV/0!							
1095	1.36875	97.23399	0.49686567	0.496866	0.326706	#DIV/0!							
1460	1.825	99.1029	0.50641582	0.506416	0.332986	#DIV/0!							
1825	2.28125	99.70904	0.50951322	0.509513	0.335022	#DIV/0!							
3650	4.5625	99.99896	0.51099466	0.510995	0.335996	#DIV/0!							
7300	9.125	100	0.511	0.511	0.336	#DIV/0!							
18250	22.8125	100	0.511	0.511	0.336	#DIV/0!							

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-1.5)

Initial Fill Elevation = 1.5 ft

Layer 1

Total layer sett@ 30 days: 0.511 in (from SETANL)
 Total layer sett@ 45: 0.511
 Total layer sett@ 60: 0.336
 Total layer sett@ 110: 0.336
 Total layer sett@ 140: 0.336
 Total layer sett@ 180: 0.336
 Total layer sett@ 365: 0.336
 Total layer sett@ 545: 0.336
 Total layer sett@ 730: 0.336
 Total layer sett@ 1095: 0.336
 Total layer sett@ 1460: 0.336
 Total layer sett@ 1825: 0.336
 Total layer sett@ 3650: 0.336
 Total layer sett@ 20: 0.336
 Total layer sett@ 50: 0.336
 Cv: 0.02 ft²/day
 Hdr: 4 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60		
0	0	0	0	0	0		
30	0.0375	21.85097	0.11165845	0.111658	0.073419	0.213622	0.017802
45	0.05625	26.76186	0.13675311	0.136753	0.08992		
60	0.075	30.90194	0.15790889	0.157909	0.103831		
110	0.1375	41.84142	0.21380965	0.21381	0.140587		
140	0.175	47.20349	0.24120982	0.24121	0.158604		
180	0.225	53.52372	0.27350623	0.273506	0.17984		
365	0.45625	73.70446	0.37662979	0.37663	0.247647		
545	0.68125	84.90877	0.43388383	0.433884	0.285293		
730	0.9125	91.47159	0.46741982	0.46742	0.307345		
1095	1.36875	97.23399	0.49686567	0.496866	0.326706		
1460	1.825	99.1029	0.50641582	0.506416	0.332986		
1825	2.28125	99.70904	0.50951322	0.509513	0.335022		
3650	4.5625	99.99896	0.51099466	0.510995	0.335996		
7300	9.125	100	0.511	0.511	0.336		
18250	22.8125	100	0.511	0.511	0.336		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17d (Lift 1-1.5 ft)

Initial Fill Elevation =1.5 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.213621692	0.017801808	0.213621692	0.017801808	0.132578777	0.011048231	0.132578777	0.011048231
45	0.123287671	0.261632072	0.021802673	0.261632072	0.021802673	0.162375177	0.013531265	0.162375177	0.013531265
60	0.164383562	0.302106694	0.025175558	0.302106694	0.025175558	0.187494704	0.015624559	0.187494704	0.015624559
110	0.301369863	0.409054397	0.034087866	0.409054397	0.034087866	0.253869029	0.021155752	0.253869029	0.021155752
140	0.383561644	0.461475597	0.0384563	0.461475597	0.0384563	0.286402891	0.023866908	0.286402891	0.023866908
180	0.493150685	0.523264143	0.043605345	0.523264143	0.043605345	0.324750353	0.027062529	0.324750353	0.027062529
365	1	0.732285217	0.061023768	0.732285217	0.061023768	0.453999829	0.037833319	0.453999829	0.037833319
545	1.493150685	0.86742121	0.072285101	0.86742121	0.072285101	0.536805994	0.044733833	0.536805994	0.044733833
730	2	0.967240719	0.080603393	0.967240719	0.080603393	0.597259765	0.049771647	0.597259765	0.049771647
1095	3	1.102510834	0.091875903	1.102510834	0.091875903	0.677830954	0.056485913	0.677830954	0.056485913
1460	4	1.196583599	0.0997153	1.196583599	0.0997153	0.732888092	0.061074008	0.732888092	0.061074008
1825	5	1.271136198	0.105928017	1.271136198	0.105928017	0.776085774	0.064673814	0.776085774	0.064673814
3650	10	1.530891386	0.127574282	1.530891386	0.127574282	0.925403874	0.077116989	0.925403874	0.077116989
7300	20	1.809338041	0.15077817	1.809338041	0.15077817	1.08497939	0.090414949	1.08497939	0.090414949
18250	50	2.081260352	0.173438363	2.081260352	0.173438363	1.240641801	0.103386817	1.240641801	0.103386817

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17d (Lift 1-1.5 ft)

Initial Fill Elevation =1.5 ft				Settlement 45 days	Settlement 140 days	Settlement 180 days	Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0
30	0.082191781	0.213621692	0.017801808	0.213621692	0.132578777	0.011048231	0.132578777	0.011048231
45	0.123287671	0.261632072	0.021802673	0.261632072	0.162375177	0.013531265	0.162375177	0.013531265
60	0.164383562	0.302106694	0.025175558	0.302106694	0.187494704	0.015624559	0.187494704	0.015624559
110	0.301369863	0.409054397	0.034087866	0.409054397	0.253869029	0.021155752	0.253869029	0.021155752
140	0.383561644	0.461475597	0.0384563	0.461475597	0.286402891	0.023866908	0.286402891	0.023866908
180	0.493150685	0.523264143	0.043605345	0.523264143	0.324750353	0.027062529	0.324750353	0.027062529
365	1	0.732285217	0.061023768	0.732285217	0.453999829	0.037833319	0.453999829	0.037833319
545	1.493150685	0.86742121	0.072285101	0.86742121	0.536805994	0.044733833	0.536805994	0.044733833
730	2	0.967240719	0.080603393	0.967240719	0.597259765	0.049771647	0.597259765	0.049771647
1095	3	1.102510834	0.091875903	1.102510834	0.677830954	0.056485913	0.677830954	0.056485913
1460	4	1.196583599	0.0997153	1.196583599	0.732888092	0.061074008	0.732888092	0.061074008
1825	5	1.271136198	0.105928017	1.271136198	0.776085774	0.064673814	0.776085774	0.064673814
3650	10	1.530891386	0.127574282	1.530891386	0.925403874	0.077116989	0.925403874	0.077116989
7300	20	1.809338041	0.15077817	1.809338041	1.08497939	0.090414949	1.08497939	0.090414949
18250	50	2.081260352	0.173438363	2.081260352	1.240641801	0.103386817	1.240641801	0.103386817

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17d (Lift 1-1.5 ft)

Initial Fill Elevation =1.5 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	0.213621692	0.017801808	0.213621692	0.132578777	0.011048231	0.132578777	0.011048231	0.132578777	0.011048231	0.132578777	
45	0.123287671	0.261632072	0.021802673	0.261632072	0.162375177	0.013531265	0.162375177	0.013531265	0.162375177	0.013531265	0.162375177	
60	0.164383562	0.302106694	0.025175558	0.302106694	0.187494704	0.015624559	0.187494704	0.015624559	0.187494704	0.015624559	0.187494704	
110	0.301369863	0.409054397	0.034087866	0.409054397	0.253869029	0.021155752	0.253869029	0.021155752	0.253869029	0.021155752	0.253869029	
140	0.383561644	0.461475597	0.0384563	0.461475597	0.286402891	0.023866908	0.286402891	0.023866908	0.286402891	0.023866908	0.286402891	
180	0.493150685	0.523264143	0.043605345	0.523264143	0.324750353	0.027062529	0.324750353	0.027062529	0.324750353	0.027062529	0.324750353	
365	1	0.732285217	0.061023768	0.732285217	0.453999829	0.037833319	0.453999829	0.037833319	0.453999829	0.037833319	0.453999829	
545	1.493150685	0.86742121	0.072285101	0.86742121	0.536805994	0.044733833	0.536805994	0.044733833	0.536805994	0.044733833	0.536805994	
730	2	0.967240719	0.080603393	0.967240719	0.597259765	0.049771647	0.597259765	0.049771647	0.597259765	0.049771647	0.597259765	
1095	3	1.102510834	0.091875903	1.102510834	0.677830954	0.056485913	0.677830954	0.056485913	0.677830954	0.056485913	0.677830954	
1460	4	1.196583599	0.0997153	1.196583599	0.732888092	0.061074008	0.732888092	0.061074008	0.732888092	0.061074008	0.732888092	
1825	5	1.271136198	0.105928017	1.271136198	0.776085774	0.064673814	0.776085774	0.064673814	0.776085774	0.064673814	0.776085774	
3650	10	1.530891386	0.127574282	1.530891386	0.925403874	0.077116989	0.925403874	0.077116989	0.925403874	0.077116989	0.925403874	
7300	20	1.809338041	0.15077817	1.809338041	1.08497939	0.090414949	1.08497939	0.090414949	1.08497939	0.090414949	1.08497939	
18250	50	2.081260352	0.173438363	2.081260352	1.240641801	0.103386817	1.240641801	0.103386817	1.240641801	0.103386817	1.240641801	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17d (Lift 1-1.5 ft)

Initial Fill Elevation =1.5 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.213621692	0.017801808	0.213621692	0.011048231	0.132578777	0.011048231	0.132578777	0.011048231
45	0.123287671	0.261632072	0.021802673	0.261632072	0.013531265	0.162375177	0.013531265	0.162375177	0.013531265
60	0.164383562	0.302106694	0.025175558	0.302106694	0.015624559	0.187494704	0.015624559	0.187494704	0.015624559
110	0.301369863	0.409054397	0.034087866	0.409054397	0.021155752	0.253869029	0.021155752	0.253869029	0.021155752
140	0.383561644	0.461475597	0.0384563	0.461475597	0.023866908	0.286402891	0.023866908	0.286402891	0.023866908
180	0.493150685	0.523264143	0.043605345	0.523264143	0.027062529	0.324750353	0.027062529	0.324750353	0.027062529
365	1	0.732285217	0.061023768	0.732285217	0.037833319	0.453999829	0.037833319	0.453999829	0.037833319
545	1.493150685	0.86742121	0.072285101	0.86742121	0.044733833	0.536805994	0.044733833	0.536805994	0.044733833
730	2	0.967240719	0.080603393	0.967240719	0.049771647	0.597259765	0.049771647	0.597259765	0.049771647
1095	3	1.102510834	0.091875903	1.102510834	0.056485913	0.677830954	0.056485913	0.677830954	0.056485913
1460	4	1.196583599	0.0997153	1.196583599	0.061074008	0.732888092	0.061074008	0.732888092	0.061074008
1825	5	1.271136198	0.105928017	1.271136198	0.064673814	0.776085774	0.064673814	0.776085774	0.064673814
3650	10	1.530891386	0.127574282	1.530891386	0.077116989	0.925403874	0.077116989	0.925403874	0.077116989
7300	20	1.809338041	0.15077817	1.809338041	0.090414949	1.08497939	0.090414949	1.08497939	0.090414949
18250	50	2.081260352	0.173438363	2.081260352	0.103386817	1.240641801	0.103386817	1.240641801	0.103386817

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17d (Lift 1-1.5 ft)

Initial Fill Elevation =1.5 ft		Settlement 45 days			Settlement 5 years		Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.213621692	0.017801808	0.213621692	0.132578777	0.011048231	0.132578777	0.011048231	0.132578777	0.011048231
45	0.123287671	0.261632072	0.021802673	0.261632072	0.162375177	0.013531265	0.162375177	0.013531265	0.162375177	0.013531265
60	0.164383562	0.302106694	0.025175558	0.302106694	0.187494704	0.015624559	0.187494704	0.015624559	0.187494704	0.015624559
110	0.301369863	0.409054397	0.034087866	0.409054397	0.253869029	0.021155752	0.253869029	0.021155752	0.253869029	0.021155752
140	0.383561644	0.461475597	0.0384563	0.461475597	0.286402891	0.023866908	0.286402891	0.023866908	0.286402891	0.023866908
180	0.493150685	0.523264143	0.043605345	0.523264143	0.324750353	0.027062529	0.324750353	0.027062529	0.324750353	0.027062529
365	1	0.732285217	0.061023768	0.732285217	0.453999829	0.037833319	0.453999829	0.037833319	0.453999829	0.037833319
545	1.493150685	0.86742121	0.072285101	0.86742121	0.536805994	0.044733833	0.536805994	0.044733833	0.536805994	0.044733833
730	2	0.967240719	0.080603393	0.967240719	0.597259765	0.049771647	0.597259765	0.049771647	0.597259765	0.049771647
1095	3	1.102510834	0.091875903	1.102510834	0.677830954	0.056485913	0.677830954	0.056485913	0.677830954	0.056485913
1460	4	1.196583599	0.0997153	1.196583599	0.732888092	0.061074008	0.732888092	0.061074008	0.732888092	0.061074008
1825	5	1.271136198	0.105928017	1.271136198	0.776085774	0.064673814	0.776085774	0.064673814	0.776085774	0.064673814
3650	10	1.530891386	0.127574282	1.530891386	0.925403874	0.077116989	0.925403874	0.077116989	0.925403874	0.077116989
7300	20	1.809338041	0.15077817	1.809338041	1.08497939	0.090414949	1.08497939	0.090414949	1.08497939	0.090414949
18250	50	2.081260352	0.173438363	2.081260352	1.240641801	0.103386817	1.240641801	0.103386817	1.240641801	0.103386817

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17d (Lift 1-1.5 ft)

Initial Fill Elevation =1.5 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.213621692	0.017801808	0.213621692	0.132578777	0.011048231	0.132578777	0.011048231	
45	0.123287671	0.261632072	0.021802673	0.261632072	0.162375177	0.013531265	0.162375177	0.013531265	
60	0.164383562	0.302106694	0.025175558	0.302106694	0.187494704	0.015624559	0.187494704	0.015624559	
110	0.301369863	0.409054397	0.034087866	0.409054397	0.253869029	0.021155752	0.253869029	0.021155752	
140	0.383561644	0.461475597	0.0384563	0.461475597	0.286402891	0.023866908	0.286402891	0.023866908	
180	0.493150685	0.523264143	0.043605345	0.523264143	0.324750353	0.027062529	0.324750353	0.027062529	
365	1	0.732285217	0.061023768	0.732285217	0.453999829	0.037833319	0.453999829	0.037833319	
545	1.493150685	0.86742121	0.072285101	0.86742121	0.536805994	0.044733833	0.536805994	0.044733833	
730	2	0.967240719	0.080603393	0.967240719	0.597259765	0.049771647	0.597259765	0.049771647	
1095	3	1.102510834	0.091875903	1.102510834	0.677830954	0.056485913	0.677830954	0.056485913	
1460	4	1.196583599	0.0997153	1.196583599	0.732888092	0.061074008	0.732888092	0.061074008	
1825	5	1.271136198	0.105928017	1.271136198	0.776085774	0.064673814	0.776085774	0.064673814	
3650	10	1.530891386	0.127574282	1.530891386	0.925403874	0.077116989	0.925403874	0.077116989	
7300	20	1.809338041	0.15077817	1.809338041	1.08497939	0.090414949	1.08497939	0.090414949	
18250	50	2.081260352	0.173438363	2.081260352	1.240641801	0.103386817	1.240641801	0.103386817	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 1.154 in (from SETANL)
 Total layer sett@ 45: 1.16
 Total layer sett@ 60: 0.838
 Total layer sett@ 110: 0.834
 Total layer sett@ 140: 0.733
 Total layer sett@ 180: 0.664
 Total layer sett@ 365: 0.652
 Total layer sett@ 545: 0.652
 Total layer sett@ 730: 0.652
 Total layer sett@ 1095: 0.652
 Total layer sett@ 1460: 0.652
 Total layer sett@ 1825: 0.652
 Total layer sett@ 3650: 0.652
 Total layer sett@ 20: 0.652
 Total layer sett@ 50: 0.652
 Cv: 0.02 ft²/day
 Hdr: 4 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545	Sett@730	Sett@1095	Sett@1460
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111	0.182237	0.160168	0.14509	0.142468	0.142468	0.142468	0.142468	0.142468
45	0.05625	26.76186	0.30883188	0.310438	0.224264	0.223194	0.196164	0.177699	0.174487	0.174487	0.174487	0.174487	0.174487
60	0.075	30.90194	0.35660834	0.358462	0.258958	0.257722	0.226511	0.205189	0.201481	0.201481	0.201481	0.201481	0.201481
110	0.1375	41.84142	0.48284998	0.48536	0.350631	0.348957	0.306698	0.277827	0.272806	0.272806	0.272806	0.272806	0.272806
140	0.175	47.20349	0.54472824	0.54756	0.395565	0.393677	0.346002	0.313431	0.307767	0.307767	0.307767	0.307767	0.307767
180	0.225	53.52372	0.61766377	0.620875	0.448529	0.446388	0.392329	0.355398	0.348975	0.348975	0.348975	0.348975	0.348975
365	0.45625	73.70446	0.85054946	0.854972	0.617643	0.614695	0.540254	0.489398	0.480553	0.480553	0.480553	0.480553	0.480553
545	0.68125	84.90877	0.97984724	0.984942	0.711536	0.708139	0.622381	0.563794	0.553605	0.553605	0.553605	0.553605	0.553605
730	0.9125	91.47159	1.05558213	1.06107	0.766532	0.762873	0.670487	0.607371	0.596395	0.596395	0.596395	0.596395	0.596395
1095	1.36875	97.23399	1.12208021	1.127914	0.814821	0.810931	0.712725	0.645634	0.633966	0.633966	0.633966	0.633966	0.633966
1460	1.825	99.1029	1.14364748	1.149594	0.830482	0.826518	0.726424	0.658043	0.646151	0.646151	0.646151	0.646151	0.646151
1825	2.28125	99.70904	1.15064238	1.156625	0.835562	0.831573	0.730867	0.662068	0.650103	0.650103	0.650103	0.650103	0.650103
3650	4.5625	99.99896	1.15398795	1.159988	0.837991	0.833991	0.732992	0.663993	0.651993	0.651993	0.651993	0.651993	0.651993
7300	9.125	100	1.154	1.16	0.838	0.834	0.733	0.664	0.652	0.652	0.652	0.652	0.652
18250	22.8125	100	1.154	1.16	0.838	0.834	0.733	0.664	0.652	0.652	0.652	0.652	0.652

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft												
Layer 1										Layer 2		
Total layer sett@ 30 days:	1.154 in			(from SETANL)						Total layer sett@ 30 days:	0.814	
Total layer sett@ 45:	1.16									Total layer sett@ 45:	0.821	
Total layer sett@ 60:	0.838									Total layer sett@ 60:	0.49	
Total layer sett@ 110:	0.834									Total layer sett@ 110:	0.486	
Total layer sett@ 140:	0.733									Total layer sett@ 140:	0.402	
Total layer sett@ 180:	0.664									Total layer sett@ 180:	0.349	
Total layer sett@ 365:	0.652									Total layer sett@ 365:	0.34	
Total layer sett@ 545:	0.652									Total layer sett@ 545:	0.34	
Total layer sett@ 730:	0.652									Total layer sett@ 730:	0.34	
Total layer sett@ 1095:	0.652									Total layer sett@ 1095:	0.34	
Total layer sett@ 1460:	0.652									Total layer sett@ 1460:	0.34	
Total layer sett@ 1825:	0.652									Total layer sett@ 1825:	0.34	
Total layer sett@ 3650:	0.652									Total layer sett@ 3650:	0.34	
Total layer sett@ 20:	0.652									Total layer sett@ 20:	0.34	
Total layer sett@ 50:	0.652									Total layer sett@ 50:	0.34	
Cv:	0.02 ft ² /day									Cv:	0.02	
Hdr:	4 ft									Hdr:	7	
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr	time, t (days)	Tv	U
0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111	0.14246832	0.142468	0.142468	0.142468	30	0.012245	12.4862678
45	0.05625	26.76186	0.30883188	0.310438	0.224264	0.17448734	0.174487	0.174487	0.174487	45	0.018367	15.2924924
60	0.075	30.90194	0.35660834	0.358462	0.258958	0.20148062	0.201481	0.201481	0.201481	60	0.02449	17.6582492
110	0.1375	41.84142	0.48284998	0.48536	0.350631	0.27280605	0.272806	0.272806	0.272806	110	0.044898	23.9093825
140	0.175	47.20349	0.54472824	0.54756	0.395565	0.30776674	0.307767	0.307767	0.307767	140	0.057143	26.9734213
180	0.225	53.52372	0.61766377	0.620875	0.448529	0.34897468	0.348975	0.348975	0.348975	180	0.073469	30.5849848
365	0.45625	73.70446	0.85054946	0.854972	0.617643	0.48055308	0.480553	0.480553	0.480553	365	0.14898	43.5530375
545	0.68125	84.90877	0.97984724	0.984942	0.711536	0.5536052	0.553605	0.553605	0.553605	545	0.222449	53.2194361
730	0.9125	91.47159	1.05558213	1.06107	0.766532	0.59639475	0.596395	0.596395	0.596395	730	0.297959	61.1366713
1095	1.36875	97.23399	1.12208021	1.127914	0.814821	0.63396559	0.633966	0.633966	0.633966	1095	0.446939	73.0932046
1460	1.825	99.1029	1.14364748	1.149594	0.830482	0.64615092	0.646151	0.646151	0.646151	1460	0.595918	81.3712396
1825	2.28125	99.70904	1.15064238	1.156625	0.835562	0.65010297	0.650103	0.650103	0.650103	1825	0.744898	87.1024881
3650	4.5625	99.99896	1.15398795	1.159988	0.837991	0.65199319	0.651993	0.651993	0.651993	3650	1.489796	97.9482906
7300	9.125	100	1.154	1.16	0.838	0.652	0.652	0.652	0.652	7300	2.979592	99.9480799
18250	22.8125	100	1.154	1.16	0.838	0.652	0.652	0.652	0.652	18250	7.44898	99.9999992

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1			
Total layer sett@ 30 days:	1.154 in	(from SETANL)	in (from SETANL)
Total layer sett@ 45:	1.16		
Total layer sett@ 60:	0.838		
Total layer sett@ 110:	0.834		
Total layer sett@ 140:	0.733		
Total layer sett@ 180:	0.664		
Total layer sett@ 365:	0.652		
Total layer sett@ 545:	0.652		
Total layer sett@ 730:	0.652		
Total layer sett@ 1095:	0.652		
Total layer sett@ 1460:	0.652		
Total layer sett@ 1825:	0.652		
Total layer sett@ 3650:	0.652		
Total layer sett@ 20:	0.652		
Total layer sett@ 50:	0.652		
Cv:	0.02 ft ² /day		ft ² /day
Hdr:	4 ft		ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111	0.101638	0.102512	0.061183	0.060683	0.050195	0.043577	0.042453	0.042453
45	0.05625	26.76186	0.30883188	0.310438	0.224264	0.124481	0.125551	0.074933	0.074322	0.061476	0.053371	0.051994	0.051994
60	0.075	30.90194	0.35660834	0.358462	0.258958	0.143738	0.144974	0.086525	0.085819	0.070986	0.061627	0.060038	0.060038
110	0.1375	41.84142	0.48284998	0.48536	0.350631	0.194622	0.196296	0.117156	0.1162	0.096116	0.083444	0.081292	0.081292
140	0.175	47.20349	0.54472824	0.54756	0.395565	0.219564	0.221452	0.13217	0.131091	0.108433	0.094137	0.09171	0.09171
180	0.225	53.52372	0.61766377	0.620875	0.448529	0.248962	0.251103	0.149866	0.148643	0.122952	0.106742	0.103989	0.103989
365	0.45625	73.70446	0.85054946	0.854972	0.617643	0.354522	0.35757	0.21341	0.211668	0.175083	0.152	0.14808	0.14808
545	0.68125	84.90877	0.97984724	0.984942	0.711536	0.433206	0.436932	0.260775	0.258646	0.213942	0.185736	0.180946	0.180946
730	0.9125	91.47159	1.05558213	1.06107	0.766532	0.497653	0.501932	0.29957	0.297124	0.245769	0.213367	0.207865	0.207865
1095	1.36875	97.23399	1.12208021	1.127914	0.814821	0.594979	0.600095	0.358157	0.355233	0.293835	0.255095	0.248517	0.248517
1460	1.825	99.1029	1.14364748	1.149594	0.830482	0.662362	0.668058	0.398719	0.395464	0.327112	0.283986	0.276662	0.276662
1825	2.28125	99.70904	1.15064238	1.156625	0.835562	0.709014	0.715111	0.426802	0.423318	0.350152	0.303988	0.296148	0.296148
3650	4.5625	99.99896	1.15398795	1.159988	0.837991	0.797299	0.804155	0.479947	0.476029	0.393752	0.34184	0.333024	0.333024
7300	9.125	100	1.154	1.16	0.838	0.813577	0.820574	0.489746	0.485748	0.401791	0.348819	0.339823	0.339823
18250	22.8125	100	1.154	1.16	0.838	0.814	0.821	0.49	0.486	0.402	0.349	0.34	0.34

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1			(from SETANL)			Layer 3		
Total layer sett@ 30 days:	1.154 in				al layer sett@ 30 days:	0.795 in		
Total layer sett@ 45:	1.16				Total layer sett@ 45:	0.802		
Total layer sett@ 60:	0.838				Total layer sett@ 60:	0.457		
Total layer sett@ 110:	0.834				Total layer sett@ 110:	0.453		
Total layer sett@ 140:	0.733				Total layer sett@ 140:	0.369		
Total layer sett@ 180:	0.664				Total layer sett@ 180:	0.318		
Total layer sett@ 365:	0.652				Total layer sett@ 365:	0.309		
Total layer sett@ 545:	0.652				Total layer sett@ 545:	0.309		
Total layer sett@ 730:	0.652				Total layer sett@ 730:	0.309		
Total layer sett@ 1095:	0.652				otal layer sett@ 1095:	0.309		
Total layer sett@ 1460:	0.652				otal layer sett@ 1460:	0.309		
Total layer sett@ 1825:	0.652				otal layer sett@ 1825:	0.309		
Total layer sett@ 3650:	0.652				otal layer sett@ 3650:	0.309		
Total layer sett@ 20:	0.652				Total layer sett@ 20:	0.309		
Total layer sett@ 50:	0.652				Total layer sett@ 50:	0.309		
Cv:	0.02 ft ² /day				Cv:	1.4 ft ² /day		
Hdr:	4 ft				Hdr:	2 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	ime, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111	30	10.5	100	0.795	0.802	0.457	0.453	0.369
45	0.05625	26.76186	0.30883188	0.310438	0.224264	45	15.75	100	0.795	0.802	0.457	0.453	0.369
60	0.075	30.90194	0.35660834	0.358462	0.258958	60	21	100	0.795	0.802	0.457	0.453	0.369
110	0.1375	41.84142	0.48284998	0.48536	0.350631	110	38.5	100	0.795	0.802	0.457	0.453	0.369
140	0.175	47.20349	0.54472824	0.54756	0.395565	140	49	100	0.795	0.802	0.457	0.453	0.369
180	0.225	53.52372	0.61766377	0.620875	0.448529	180	63	100	0.795	0.802	0.457	0.453	0.369
365	0.45625	73.70446	0.85054946	0.854972	0.617643	365	127.75	100	0.795	0.802	0.457	0.453	0.369
545	0.68125	84.90877	0.97984724	0.984942	0.711536	545	190.75	100	0.795	0.802	0.457	0.453	0.369
730	0.9125	91.47159	1.05558213	1.06107	0.766532	730	255.5	100	0.795	0.802	0.457	0.453	0.369
1095	1.36875	97.23399	1.12208021	1.127914	0.814821	1095	383.25	100	0.795	0.802	0.457	0.453	0.369
1460	1.825	99.1029	1.14364748	1.149594	0.830482	1460	511	100	0.795	0.802	0.457	0.453	0.369
1825	2.28125	99.70904	1.15064238	1.156625	0.835562	1825	638.75	100	0.795	0.802	0.457	0.453	0.369
3650	4.5625	99.99896	1.15398795	1.159988	0.837991	3650	1277.5	100	0.795	0.802	0.457	0.453	0.369
7300	9.125	100	1.154	1.16	0.838	7300	2555	100	0.795	0.802	0.457	0.453	0.369
18250	22.8125	100	1.154	1.16	0.838	18250	6387.5	100	0.795	0.802	0.457	0.453	0.369

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1				Layer 4			
Total layer sett@ 30 days:	1.154 in	(from SETANL)	(from SETANL)	Total layer sett@ 30 days:	3.125 in		
Total layer sett@ 45:	1.16			Total layer sett@ 45:	3.155		
Total layer sett@ 60:	0.838			Total layer sett@ 60:	1.765		
Total layer sett@ 110:	0.834			Total layer sett@ 110:	1.748		
Total layer sett@ 140:	0.733			Total layer sett@ 140:	1.419		
Total layer sett@ 180:	0.664			Total layer sett@ 180:	1.219		
Total layer sett@ 365:	0.652			Total layer sett@ 365:	1.185		
Total layer sett@ 545:	0.652			Total layer sett@ 545:	1.185		
Total layer sett@ 730:	0.652			Total layer sett@ 730:	1.185		
Total layer sett@ 1095:	0.652			Total layer sett@ 1095:	1.185		
Total layer sett@ 1460:	0.652			Total layer sett@ 1460:	1.185		
Total layer sett@ 1825:	0.652			Total layer sett@ 1825:	1.185		
Total layer sett@ 3650:	0.652			Total layer sett@ 3650:	1.185		
Total layer sett@ 20:	0.652			Total layer sett@ 20:	1.185		
Total layer sett@ 50:	0.652			Total layer sett@ 50:	1.185		
Cv:	0.02 ft ² /day			Cv:	0.02 ft ² /day		
Hdr:	4 ft			Hdr:	11 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr	time, t (days)	Tv	U	Sett@30
0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111	0.309	0.309	30	0.004959	7.945807	0.248306
45	0.05625	26.76186	0.30883188	0.310438	0.224264	0.309	0.309	45	0.007438	9.731586	0.304112
60	0.075	30.90194	0.35660834	0.358462	0.258958	0.309	0.309	60	0.009917	11.23707	0.351158
110	0.1375	41.84142	0.48284998	0.48536	0.350631	0.309	0.309	110	0.018182	15.21506	0.475471
140	0.175	47.20349	0.54472824	0.54756	0.395565	0.309	0.309	140	0.02314	17.1649	0.536403
180	0.225	53.52372	0.61766377	0.620875	0.448529	0.309	0.309	180	0.029752	19.46317	0.608224
365	0.45625	73.70446	0.85054946	0.854972	0.617643	0.309	0.309	365	0.060331	27.71557	0.866112
545	0.68125	84.90877	0.97984724	0.984942	0.711536	0.309	0.309	545	0.090083	33.86691	1.058341
730	0.9125	91.47159	1.05558213	1.06107	0.766532	0.309	0.309	730	0.120661	39.19573	1.224867
1095	1.36875	97.23399	1.12208021	1.127914	0.814821	0.309	0.309	1095	0.180992	48.00477	1.500149
1460	1.825	99.1029	1.14364748	1.149594	0.830482	0.309	0.309	1460	0.241322	55.43114	1.732223
1825	2.28125	99.70904	1.15064238	1.156625	0.835562	0.309	0.309	1825	0.301653	61.48933	1.921542
3650	4.5625	99.99896	1.15398795	1.159988	0.837991	0.309	0.309	3650	0.603306	81.7078	2.553369
7300	9.125	100	1.154	1.16	0.838	0.309	0.309	7300	1.206612	95.87299	2.996031
18250	22.8125	100	1.154	1.16	0.838	0.309	0.309	18250	3.016529	99.9526	3.123519

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 1.154 in (from SETANL) (from SETANL)
 Total layer sett@ 45: 1.16
 Total layer sett@ 60: 0.838
 Total layer sett@ 110: 0.834
 Total layer sett@ 140: 0.733
 Total layer sett@ 180: 0.664
 Total layer sett@ 365: 0.652
 Total layer sett@ 545: 0.652
 Total layer sett@ 730: 0.652
 Total layer sett@ 1095: 0.652
 Total layer sett@ 1460: 0.652
 Total layer sett@ 1825: 0.652
 Total layer sett@ 3650: 0.652
 Total layer sett@ 20: 0.652
 Total layer sett@ 50: 0.652
 Cv: 0.02 ft²/day
 Hdr: 4 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111	0.25069	0.140243	0.138893	0.112751	0.096859	0.094158	0.094158	0.094158
45	0.05625	26.76186	0.30883188	0.310438	0.224264	0.307032	0.171762	0.170108	0.138091	0.118628	0.115319	0.115319	0.115319
60	0.075	30.90194	0.35660834	0.358462	0.258958	0.354529	0.198334	0.196424	0.159454	0.13698	0.133159	0.133159	0.133159
110	0.1375	41.84142	0.48284998	0.48536	0.350631	0.480035	0.268546	0.265959	0.215902	0.185472	0.180298	0.180298	0.180298
140	0.175	47.20349	0.54472824	0.54756	0.395565	0.541553	0.302961	0.300043	0.24357	0.20924	0.203404	0.203404	0.203404
180	0.225	53.52372	0.61766377	0.620875	0.448529	0.614063	0.343525	0.340216	0.276182	0.237256	0.230639	0.230639	0.230639
365	0.45625	73.70446	0.85054946	0.854972	0.617643	0.874426	0.48918	0.484468	0.393284	0.337853	0.328429	0.328429	0.328429
545	0.68125	84.90877	0.97984724	0.984942	0.711536	1.068501	0.597751	0.591994	0.480572	0.412838	0.401323	0.401323	0.401323
730	0.9125	91.47159	1.05558213	1.06107	0.766532	1.236625	0.691805	0.685141	0.556187	0.477796	0.464469	0.464469	0.464469
1095	1.36875	97.23399	1.12208021	1.127914	0.814821	1.514551	0.847284	0.839123	0.681188	0.585178	0.568857	0.568857	0.568857
1460	1.825	99.1029	1.14364748	1.149594	0.830482	1.748852	0.97836	0.968936	0.786568	0.675706	0.656859	0.656859	0.656859
1825	2.28125	99.70904	1.15064238	1.156625	0.835562	1.939988	1.085287	1.074834	0.872534	0.749555	0.728649	0.728649	0.728649
3650	4.5625	99.99896	1.15398795	1.159988	0.837991	2.577881	1.442143	1.428252	1.159434	0.996018	0.968237	0.968237	0.968237
7300	9.125	100	1.154	1.16	0.838	3.024793	1.692158	1.67586	1.360438	1.168692	1.136095	1.136095	1.136095
18250	22.8125	100	1.154	1.16	0.838	3.153505	1.764163	1.747172	1.418327	1.218422	1.184438	1.184438	1.184438

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1					
Total layer sett@ 30 days:	1.154 in	(from SETANL)	@ 30 days:	6.566 in	(from SETANL)
Total layer sett@ 45:	1.16		r sett@ 45:	6.631	
Total layer sett@ 60:	0.838		r sett@ 60:	3.661	
Total layer sett@ 110:	0.834		sett@ 110:	3.627	
Total layer sett@ 140:	0.733		sett@ 140:	2.935	
Total layer sett@ 180:	0.664		sett@ 180:	2.516	
Total layer sett@ 365:	0.652		sett@ 365:	2.446	
Total layer sett@ 545:	0.652		sett@ 545:	2.446	
Total layer sett@ 730:	0.652		sett@ 730:	2.446	
Total layer sett@ 1095:	0.652		ett@ 1095:	2.446	
Total layer sett@ 1460:	0.652		ett@ 1460:	2.446	
Total layer sett@ 1825:	0.652		ett@ 1825:	2.446	
Total layer sett@ 3650:	0.652		ett@ 3650:	2.446	
Total layer sett@ 20:	0.652		r sett@ 20:	2.446	
Total layer sett@ 50:	0.652		r sett@ 50:	2.446	
Cv:	0.02 ft ² /day		Cv:	0.02 ft ² /day	
Hdr:	4 ft		Hdr:	42 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111	0.00034	2.081045	0.136641	0.137994	0.076187	0.075479	0.061079	0.052359
45	0.05625	26.76186	0.30883188	0.310438	0.224264	0.00051	2.548749	0.167351	0.169008	0.09331	0.092443	0.074806	0.064127
60	0.075	30.90194	0.35660834	0.358462	0.258958	0.00068	2.943042	0.19324	0.195153	0.107745	0.106744	0.086378	0.074047
110	0.1375	41.84142	0.48284998	0.48536	0.350631	0.001247	3.984897	0.261648	0.264239	0.145887	0.144532	0.116957	0.10026
140	0.175	47.20349	0.54472824	0.54756	0.395565	0.001587	4.49557	0.295179	0.298101	0.164583	0.163054	0.131945	0.113109
180	0.225	53.52372	0.61766377	0.620875	0.448529	0.002041	5.097497	0.334702	0.338015	0.186619	0.184886	0.149612	0.128253
365	0.45625	73.70446	0.85054946	0.854972	0.617643	0.004138	7.25884	0.476615	0.481334	0.265746	0.263278	0.213047	0.182632
545	0.68125	84.90877	0.97984724	0.984942	0.711536	0.006179	8.869906	0.582398	0.588163	0.324727	0.321711	0.260332	0.223167
730	0.9125	91.47159	1.05558213	1.06107	0.766532	0.008277	10.26555	0.674036	0.680709	0.375822	0.372331	0.301294	0.258281
1095	1.36875	97.23399	1.12208021	1.127914	0.814821	0.012415	12.57268	0.825522	0.833694	0.460286	0.456011	0.369008	0.316329
1460	1.825	99.1029	1.14364748	1.149594	0.830482	0.016553	14.51768	0.953231	0.962667	0.531492	0.526556	0.426094	0.365265
1825	2.28125	99.70904	1.15064238	1.156625	0.835562	0.020692	16.23126	1.065744	1.076295	0.594226	0.588708	0.476387	0.408378
3650	4.5625	99.99896	1.15398795	1.159988	0.837991	0.041383	22.95447	1.50719	1.522111	0.840363	0.832558	0.673714	0.577534
7300	9.125	100	1.154	1.16	0.838	0.082766	32.46252	2.131489	2.15259	1.188453	1.177416	0.952775	0.816757
18250	22.8125	100	1.154	1.16	0.838	0.206916	51.32775	3.37018	3.403543	1.879109	1.861657	1.506469	1.291406

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 1.154 in (from SETANL)
 Total layer sett@ 45: 1.16
 Total layer sett@ 60: 0.838
 Total layer sett@ 110: 0.834
 Total layer sett@ 140: 0.733
 Total layer sett@ 180: 0.664
 Total layer sett@ 365: 0.652
 Total layer sett@ 545: 0.652
 Total layer sett@ 730: 0.652
 Total layer sett@ 1095: 0.652
 Total layer sett@ 1460: 0.652
 Total layer sett@ 1825: 0.652
 Total layer sett@ 3650: 0.652
 Total layer sett@ 20: 0.652
 Total layer sett@ 50: 0.652
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 6
 Total layer sett@ 30 days: in (from SETANL)
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: ft²/day
 Hdr: ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111	0.050902
45	0.05625	26.76186	0.30883188	0.310438	0.224264	0.062342
60	0.075	30.90194	0.35660834	0.358462	0.258958	0.071987
110	0.1375	41.84142	0.48284998	0.48536	0.350631	0.097471
140	0.175	47.20349	0.54472824	0.54756	0.395565	0.109962
180	0.225	53.52372	0.61766377	0.620875	0.448529	0.124685
365	0.45625	73.70446	0.85054946	0.854972	0.617643	0.177551
545	0.68125	84.90877	0.97984724	0.984942	0.711536	0.216958
730	0.9125	91.47159	1.05558213	1.06107	0.766532	0.251095
1095	1.36875	97.23399	1.12208021	1.127914	0.814821	0.307528
1460	1.825	99.1029	1.14364748	1.149594	0.830482	0.355102
1825	2.28125	99.70904	1.15064238	1.156625	0.835562	0.397017
3650	4.5625	99.99896	1.15398795	1.159988	0.837991	0.561466
7300	9.125	100	1.154	1.16	0.838	0.794033
18250	22.8125	100	1.154	1.16	0.838	1.255477

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	#DIV/0!	#DIV/0!			
45	#DIV/0!	#DIV/0!			
60	#DIV/0!	#DIV/0!			
110	#DIV/0!	#DIV/0!			
140	#DIV/0!	#DIV/0!			
180	#DIV/0!	#DIV/0!			
365	#DIV/0!	#DIV/0!			
545	#DIV/0!	#DIV/0!			
730	#DIV/0!	#DIV/0!			
1095	#DIV/0!	#DIV/0!			
1460	#DIV/0!	#DIV/0!			
1825	#DIV/0!	#DIV/0!			
3650	#DIV/0!	#DIV/0!			
7300	#DIV/0!	#DIV/0!			
18250	#DIV/0!	#DIV/0!			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 1.154 in (from SETANL)
 Total layer sett@ 45: 1.16
 Total layer sett@ 60: 0.838
 Total layer sett@ 110: 0.834
 Total layer sett@ 140: 0.733
 Total layer sett@ 180: 0.664
 Total layer sett@ 365: 0.652
 Total layer sett@ 545: 0.652
 Total layer sett@ 730: 0.652
 Total layer sett@ 1095: 0.652
 Total layer sett@ 1460: 0.652
 Total layer sett@ 1825: 0.652
 Total layer sett@ 3650: 0.652
 Total layer sett@ 20: 0.652
 Total layer sett@ 50: 0.652
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 7
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111				
45	0.05625	26.76186	0.30883188	0.310438	0.224264				
60	0.075	30.90194	0.35660834	0.358462	0.258958				
110	0.1375	41.84142	0.48284998	0.48536	0.350631				
140	0.175	47.20349	0.54472824	0.54756	0.395565				
180	0.225	53.52372	0.61766377	0.620875	0.448529				
365	0.45625	73.70446	0.85054946	0.854972	0.617643				
545	0.68125	84.90877	0.97984724	0.984942	0.711536				
730	0.9125	91.47159	1.05558213	1.06107	0.766532				
1095	1.36875	97.23399	1.12208021	1.127914	0.814821				
1460	1.825	99.1029	1.14364748	1.149594	0.830482				
1825	2.28125	99.70904	1.15064238	1.156625	0.835562				
3650	4.5625	99.99896	1.15398795	1.159988	0.837991				
7300	9.125	100	1.154	1.16	0.838				
18250	22.8125	100	1.154	1.16	0.838				

time, t (days)	Tv
0	0
30	#DIV/0!
45	#DIV/0!
60	#DIV/0!
110	#DIV/0!
140	#DIV/0!
180	#DIV/0!
365	#DIV/0!
545	#DIV/0!
730	#DIV/0!
1095	#DIV/0!
1460	#DIV/0!
1825	#DIV/0!
3650	#DIV/0!
7300	#DIV/0!
18250	#DIV/0!

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1

Total layer sett@ 30 days:	1.154 in	(from SETANL)	in	(from SETANL)
Total layer sett@ 45:	1.16			
Total layer sett@ 60:	0.838			
Total layer sett@ 110:	0.834			
Total layer sett@ 140:	0.733			
Total layer sett@ 180:	0.664			
Total layer sett@ 365:	0.652			
Total layer sett@ 545:	0.652			
Total layer sett@ 730:	0.652			
Total layer sett@ 1095:	0.652			
Total layer sett@ 1460:	0.652			
Total layer sett@ 1825:	0.652			
Total layer sett@ 3650:	0.652			
Total layer sett@ 20:	0.652			
Total layer sett@ 50:	0.652			
Cv:	0.02 ft ² /day		ft ² /day	
Hdr:	4 ft		ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111	#DIV/0!							
45	0.05625	26.76186	0.30883188	0.310438	0.224264	#DIV/0!							
60	0.075	30.90194	0.35660834	0.358462	0.258958	#DIV/0!							
110	0.1375	41.84142	0.48284998	0.48536	0.350631	#DIV/0!							
140	0.175	47.20349	0.54472824	0.54756	0.395565	#DIV/0!							
180	0.225	53.52372	0.61766377	0.620875	0.448529	#DIV/0!							
365	0.45625	73.70446	0.85054946	0.854972	0.617643	#DIV/0!							
545	0.68125	84.90877	0.97984724	0.984942	0.711536	#DIV/0!							
730	0.9125	91.47159	1.05558213	1.06107	0.766532	#DIV/0!							
1095	1.36875	97.23399	1.12208021	1.127914	0.814821	#DIV/0!							
1460	1.825	99.1029	1.14364748	1.149594	0.830482	#DIV/0!							
1825	2.28125	99.70904	1.15064238	1.156625	0.835562	#DIV/0!							
3650	4.5625	99.99896	1.15398795	1.159988	0.837991	#DIV/0!							
7300	9.125	100	1.154	1.16	0.838	#DIV/0!							
18250	22.8125	100	1.154	1.16	0.838	#DIV/0!							

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 1.154 in (from SETANL)
 Total layer sett@ 45: 1.16
 Total layer sett@ 60: 0.838
 Total layer sett@ 110: 0.834
 Total layer sett@ 140: 0.733
 Total layer sett@ 180: 0.664
 Total layer sett@ 365: 0.652
 Total layer sett@ 545: 0.652
 Total layer sett@ 730: 0.652
 Total layer sett@ 1095: 0.652
 Total layer sett@ 1460: 0.652
 Total layer sett@ 1825: 0.652
 Total layer sett@ 3650: 0.652
 Total layer sett@ 20: 0.652
 Total layer sett@ 50: 0.652
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 8
 Total layer sett@ 30 days: in (from SETANL)
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: ft²/day
 Hdr: ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111
45	0.05625	26.76186	0.30883188	0.310438	0.224264
60	0.075	30.90194	0.35660834	0.358462	0.258958
110	0.1375	41.84142	0.48284998	0.48536	0.350631
140	0.175	47.20349	0.54472824	0.54756	0.395565
180	0.225	53.52372	0.61766377	0.620875	0.448529
365	0.45625	73.70446	0.85054946	0.854972	0.617643
545	0.68125	84.90877	0.97984724	0.984942	0.711536
730	0.9125	91.47159	1.05558213	1.06107	0.766532
1095	1.36875	97.23399	1.12208021	1.127914	0.814821
1460	1.825	99.1029	1.14364748	1.149594	0.830482
1825	2.28125	99.70904	1.15064238	1.156625	0.835562
3650	4.5625	99.99896	1.15398795	1.159988	0.837991
7300	9.125	100	1.154	1.16	0.838
18250	22.8125	100	1.154	1.16	0.838

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	#DIV/0!	#DIV/0!			
45	#DIV/0!	#DIV/0!			
60	#DIV/0!	#DIV/0!			
110	#DIV/0!	#DIV/0!			
140	#DIV/0!	#DIV/0!			
180	#DIV/0!	#DIV/0!			
365	#DIV/0!	#DIV/0!			
545	#DIV/0!	#DIV/0!			
730	#DIV/0!	#DIV/0!			
1095	#DIV/0!	#DIV/0!			
1460	#DIV/0!	#DIV/0!			
1825	#DIV/0!	#DIV/0!			
3650	#DIV/0!	#DIV/0!			
7300	#DIV/0!	#DIV/0!			
18250	#DIV/0!	#DIV/0!			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1
 Total layer sett@ 30 days: 1.154 in (from SETANL)
 Total layer sett@ 45: 1.16
 Total layer sett@ 60: 0.838
 Total layer sett@ 110: 0.834
 Total layer sett@ 140: 0.733
 Total layer sett@ 180: 0.664
 Total layer sett@ 365: 0.652
 Total layer sett@ 545: 0.652
 Total layer sett@ 730: 0.652
 Total layer sett@ 1095: 0.652
 Total layer sett@ 1460: 0.652
 Total layer sett@ 1825: 0.652
 Total layer sett@ 3650: 0.652
 Total layer sett@ 20: 0.652
 Total layer sett@ 50: 0.652
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 9
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111				
45	0.05625	26.76186	0.30883188	0.310438	0.224264				
60	0.075	30.90194	0.35660834	0.358462	0.258958				
110	0.1375	41.84142	0.48284998	0.48536	0.350631				
140	0.175	47.20349	0.54472824	0.54756	0.395565				
180	0.225	53.52372	0.61766377	0.620875	0.448529				
365	0.45625	73.70446	0.85054946	0.854972	0.617643				
545	0.68125	84.90877	0.97984724	0.984942	0.711536				
730	0.9125	91.47159	1.05558213	1.06107	0.766532				
1095	1.36875	97.23399	1.12208021	1.127914	0.814821				
1460	1.825	99.1029	1.14364748	1.149594	0.830482				
1825	2.28125	99.70904	1.15064238	1.156625	0.835562				
3650	4.5625	99.99896	1.15398795	1.159988	0.837991				
7300	9.125	100	1.154	1.16	0.838				
18250	22.8125	100	1.154	1.16	0.838				

time, t (days)	Tv
0	0
30	#DIV/0!
45	#DIV/0!
60	#DIV/0!
110	#DIV/0!
140	#DIV/0!
180	#DIV/0!
365	#DIV/0!
545	#DIV/0!
730	#DIV/0!
1095	#DIV/0!
1460	#DIV/0!
1825	#DIV/0!
3650	#DIV/0!
7300	#DIV/0!
18250	#DIV/0!

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1

Total layer sett@ 30 days:	1.154 in	(from SETANL)	in	(from SETANL)
Total layer sett@ 45:	1.16			
Total layer sett@ 60:	0.838			
Total layer sett@ 110:	0.834			
Total layer sett@ 140:	0.733			
Total layer sett@ 180:	0.664			
Total layer sett@ 365:	0.652			
Total layer sett@ 545:	0.652			
Total layer sett@ 730:	0.652			
Total layer sett@ 1095:	0.652			
Total layer sett@ 1460:	0.652			
Total layer sett@ 1825:	0.652			
Total layer sett@ 3650:	0.652			
Total layer sett@ 20:	0.652			
Total layer sett@ 50:	0.652			
Cv:	0.02 ft ² /day		ft ² /day	
Hdr:	4 ft		ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.25216018	0.253471	0.183111	#DIV/0!							
45	0.05625	26.76186	0.30883188	0.310438	0.224264	#DIV/0!							
60	0.075	30.90194	0.35660834	0.358462	0.258958	#DIV/0!							
110	0.1375	41.84142	0.48284998	0.48536	0.350631	#DIV/0!							
140	0.175	47.20349	0.54472824	0.54756	0.395565	#DIV/0!							
180	0.225	53.52372	0.61766377	0.620875	0.448529	#DIV/0!							
365	0.45625	73.70446	0.85054946	0.854972	0.617643	#DIV/0!							
545	0.68125	84.90877	0.97984724	0.984942	0.711536	#DIV/0!							
730	0.9125	91.47159	1.05558213	1.06107	0.766532	#DIV/0!							
1095	1.36875	97.23399	1.12208021	1.127914	0.814821	#DIV/0!							
1460	1.825	99.1029	1.14364748	1.149594	0.830482	#DIV/0!							
1825	2.28125	99.70904	1.15064238	1.156625	0.835562	#DIV/0!							
3650	4.5625	99.99896	1.15398795	1.159988	0.837991	#DIV/0!							
7300	9.125	100	1.154	1.16	0.838	#DIV/0!							
18250	22.8125	100	1.154	1.16	0.838	#DIV/0!							

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3.0 ft

Layer 1

Total layer sett@ 30 days: 1.154 in (from SETANL)
 Total layer sett@ 45: 1.16
 Total layer sett@ 60: 0.838
 Total layer sett@ 110: 0.834
 Total layer sett@ 140: 0.733
 Total layer sett@ 180: 0.664
 Total layer sett@ 365: 0.652
 Total layer sett@ 545: 0.652
 Total layer sett@ 730: 0.652
 Total layer sett@ 1095: 0.652
 Total layer sett@ 1460: 0.652
 Total layer sett@ 1825: 0.652
 Total layer sett@ 3650: 0.652
 Total layer sett@ 20: 0.652
 Total layer sett@ 50: 0.652
 Cv: 0.02 ft²/day
 Hdr: 4 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60		
0	0	0	0	0	0		
30	0.0375	21.85097	0.25216018	0.253471	0.183111	1.533746	0.127812
45	0.05625	26.76186	0.30883188	0.310438	0.224264		
60	0.075	30.90194	0.35660834	0.358462	0.258958		
110	0.1375	41.84142	0.48284998	0.48536	0.350631		
140	0.175	47.20349	0.54472824	0.54756	0.395565		
180	0.225	53.52372	0.61766377	0.620875	0.448529		
365	0.45625	73.70446	0.85054946	0.854972	0.617643		
545	0.68125	84.90877	0.97984724	0.984942	0.711536		
730	0.9125	91.47159	1.05558213	1.06107	0.766532		
1095	1.36875	97.23399	1.12208021	1.127914	0.814821		
1460	1.825	99.1029	1.14364748	1.149594	0.830482		
1825	2.28125	99.70904	1.15064238	1.156625	0.835562		
3650	4.5625	99.99896	1.15398795	1.159988	0.837991		
7300	9.125	100	1.154	1.16	0.838		
18250	22.8125	100	1.154	1.16	0.838		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.533746249	0.127812187	1.546667767	0.128888981	0.917724362	0.07647703	0.910292531	0.075857711
45	0.123287671	1.69977568	0.141647973	1.714028029	0.142835669	1.0212698	0.085105817	1.013066682	0.084422223
60	0.164383562	1.839744965	0.15331208	1.855119256	0.154593271	1.108562642	0.09238022	1.099709299	0.091642442
110	0.301369863	2.20959137	0.184132614	2.227930213	0.185660851	1.339219988	0.111601666	1.32864853	0.110720711
140	0.383561644	2.390874295	0.199239525	2.410666235	0.200888853	1.452278375	0.121023198	1.440864771	0.120072064
180	0.493150685	2.60455136	0.217045947	2.626056058	0.218838005	1.5855396	0.1321283	1.573133363	0.131094447
365	1	3.342798138	0.278566511	3.370302034	0.280858503	2.042979171	0.170248264	2.027109219	0.168925768
545	1.493150685	3.84879254	0.320732712	3.88053794	0.323378162	2.351789045	0.19598242	2.333490773	0.194457564
730	2	4.247137292	0.353928108	4.282336482	0.356861373	2.590728066	0.215894006	2.570470174	0.214205848
1095	3	4.83773019	0.403144182	4.878254427	0.406521202	2.937547555	0.24479563	2.914298945	0.242858245
1460	4	5.286463267	0.440538606	5.331171261	0.444264272	3.196053217	0.266337768	3.170474947	0.264206246
1825	5	5.641942744	0.470161895	5.690019579	0.474168298	3.398877102	0.283239758	3.371432826	0.280952735
3650	10	6.806845912	0.567237159	6.866134971	0.572177914	4.057443481	0.33812029	4.023830747	0.335319229
7300	20	7.890097051	0.657508088	7.959955949	0.663329662	4.665356543	0.388779712	4.626022956	0.385501913
18250	50	9.256698718	0.77139156	9.340047534	0.778337295	5.428272264	0.452356022	5.381828887	0.448485741

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days	Settlement 140 days	Settlement 180 days	Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0
30	0.082191781	1.533746249	0.127812187	1.546667767	0.753192054	0.062766005	0.655885974	0.054657164
45	0.123287671	1.69977568	0.141647973	1.714028029	0.839537248	0.069961437	0.731824113	0.060985343
60	0.164383562	1.839744965	0.15331208	1.855119256	0.912329614	0.076027468	0.795842926	0.066320244
110	0.301369863	2.20959137	0.184132614	2.227930213	1.104671775	0.092055981	0.965002381	0.080416865
140	0.383561644	2.390874295	0.199239525	2.410666235	1.198949694	0.099912475	1.047917127	0.087326427
180	0.493150685	2.60455136	0.217045947	2.626056058	1.310074496	0.109172875	1.145648226	0.095470686
365	1	3.342798138	0.278566511	3.370302034	1.69066777	0.140888981	1.479882907	0.123323576
545	1.493150685	3.84879254	0.320732712	3.88053794	1.94622669	0.162185557	1.703534601	0.141961217
730	2	4.247137292	0.353928108	4.282336482	2.1427375	0.178561458	1.874815548	0.156234629
1095	3	4.83773019	0.403144182	4.878254427	2.42575568	0.202146307	2.120235758	0.176686313
1460	4	5.286463267	0.440538606	5.331171261	2.63519839	0.219599866	2.300999278	0.19174994
1825	5	5.641942744	0.470161895	5.690019579	2.798940383	0.233245032	2.441989183	0.203499099
3650	10	6.806845912	0.567237159	6.866134971	3.328891683	0.27740764	2.897385004	0.24144875
7300	20	7.890097051	0.657508088	7.959955949	3.817003827	0.318083652	3.316267427	0.276355619
18250	50	9.256698718	0.77139156	9.340047534	4.428796814	0.369066401	3.840828347	0.320069029

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	1.533746249	0.127812187	1.546667767	0.638981788	0.053248482	0.638981788	0.053248482	0.638981788	0.053248482	0.638981788	
45	0.123287671	1.69977568	0.141647973	1.714028029	0.713143502	0.059428625	0.713143502	0.059428625	0.713143502	0.059428625	0.713143502	
60	0.164383562	1.839744965	0.15331208	1.855119256	0.775664719	0.064638727	0.775664719	0.064638727	0.775664719	0.064638727	0.775664719	
110	0.301369863	2.20959137	0.184132614	2.227930213	0.940867017	0.078405585	0.940867017	0.078405585	0.940867017	0.078405585	0.940867017	
140	0.383561644	2.390874295	0.199239525	2.410666235	1.021842134	0.085153511	1.021842134	0.085153511	1.021842134	0.085153511	1.021842134	
180	0.493150685	2.60455136	0.217045947	2.626056058	1.117287004	0.09310725	1.117287004	0.09310725	1.117287004	0.09310725	1.117287004	
365	1	3.342798138	0.278566511	3.370302034	1.443614117	0.120301176	1.443614117	0.120301176	1.443614117	0.120301176	1.443614117	
545	1.493150685	3.84879254	0.320732712	3.88053794	1.661832114	0.13848601	1.661832114	0.13848601	1.661832114	0.13848601	1.661832114	
730	2	4.247137292	0.353928108	4.282336482	1.828824223	0.152402019	1.828824223	0.152402019	1.828824223	0.152402019	1.828824223	
1095	3	4.83773019	0.403144182	4.878254427	2.067866792	0.172322233	2.067866792	0.172322233	2.067866792	0.172322233	2.067866792	
1460	4	5.286463267	0.440538606	5.331171261	2.243774556	0.186981213	2.243774556	0.186981213	2.243774556	0.186981213	2.243774556	
1825	5	5.641942744	0.470161895	5.690019579	2.380916619	0.198409718	2.380916619	0.198409718	2.380916619	0.198409718	2.380916619	
3650	10	6.806845912	0.567237159	6.866134971	2.823721006	0.235310084	2.823721006	0.235310084	2.823721006	0.235310084	2.823721006	
7300	20	7.890097051	0.657508088	7.959955949	3.230951522	0.26924596	3.230951522	0.26924596	3.230951522	0.26924596	3.230951522	
18250	50	9.256698718	0.77139156	9.340047534	3.740915039	0.31174292	3.740915039	0.31174292	3.740915039	0.31174292	3.740915039	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	1.533746249	0.127812187	1.546667767	0.053248482	0.638981788	0.053248482	0.638981788	0.053248482
45	0.123287671	1.69977568	0.141647973	1.714028029	0.059428625	0.713143502	0.059428625	0.713143502	0.059428625
60	0.164383562	1.839744965	0.15331208	1.855119256	0.064638727	0.775664719	0.064638727	0.775664719	0.064638727
110	0.301369863	2.20959137	0.184132614	2.227930213	0.078405585	0.940867017	0.078405585	0.940867017	0.078405585
140	0.383561644	2.390874295	0.199239525	2.410666235	0.085153511	1.021842134	0.085153511	1.021842134	0.085153511
180	0.493150685	2.60455136	0.217045947	2.626056058	0.09310725	1.117287004	0.09310725	1.117287004	0.09310725
365	1	3.342798138	0.278566511	3.370302034	0.120301176	1.443614117	0.120301176	1.443614117	0.120301176
545	1.493150685	3.84879254	0.320732712	3.88053794	0.13848601	1.661832114	0.13848601	1.661832114	0.13848601
730	2	4.247137292	0.353928108	4.282336482	0.152402019	1.828824223	0.152402019	1.828824223	0.152402019
1095	3	4.83773019	0.403144182	4.878254427	0.172322233	2.067866792	0.172322233	2.067866792	0.172322233
1460	4	5.286463267	0.440538606	5.331171261	0.186981213	2.243774556	0.186981213	2.243774556	0.186981213
1825	5	5.641942744	0.470161895	5.690019579	0.198409718	2.380916619	0.198409718	2.380916619	0.198409718
3650	10	6.806845912	0.567237159	6.866134971	0.235310084	2.823721006	0.235310084	2.823721006	0.235310084
7300	20	7.890097051	0.657508088	7.959955949	0.26924596	3.230951522	0.26924596	3.230951522	0.26924596
18250	50	9.256698718	0.77139156	9.340047534	0.31174292	3.740915039	0.31174292	3.740915039	0.31174292

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days	Settlement 5 years	Settlement 10 years	Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0
30	0.082191781	1.533746249	0.127812187	1.546667767	0.638981788	0.053248482	0.638981788	0.053248482
45	0.123287671	1.69977568	0.141647973	1.714028029	0.713143502	0.059428625	0.713143502	0.059428625
60	0.164383562	1.839744965	0.15331208	1.855119256	0.775664719	0.064638727	0.775664719	0.064638727
110	0.301369863	2.20959137	0.184132614	2.227930213	0.940867017	0.078405585	0.940867017	0.078405585
140	0.383561644	2.390874295	0.199239525	2.410666235	1.021842134	0.085153511	1.021842134	0.085153511
180	0.493150685	2.60455136	0.217045947	2.626056058	1.117287004	0.09310725	1.117287004	0.09310725
365	1	3.342798138	0.278566511	3.370302034	1.443614117	0.120301176	1.443614117	0.120301176
545	1.493150685	3.84879254	0.320732712	3.88053794	1.661832114	0.13848601	1.661832114	0.13848601
730	2	4.247137292	0.353928108	4.282336482	1.828824223	0.152402019	1.828824223	0.152402019
1095	3	4.83773019	0.403144182	4.878254427	2.067866792	0.172322233	2.067866792	0.172322233
1460	4	5.286463267	0.440538606	5.331171261	2.243774556	0.186981213	2.243774556	0.186981213
1825	5	5.641942744	0.470161895	5.690019579	2.380916619	0.198409718	2.380916619	0.198409718
3650	10	6.806845912	0.567237159	6.866134971	2.823721006	0.235310084	2.823721006	0.235310084
7300	20	7.890097051	0.657508088	7.959955949	3.230951522	0.26924596	3.230951522	0.26924596
18250	50	9.256698718	0.77139156	9.340047534	3.740915039	0.31174292	3.740915039	0.31174292

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18 (Lift 1-3 ft; Lift 2-)

Initial Fill Elevation = 3 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	1.533746249	0.127812187	1.546667767	0.638981788	0.053248482	0.638981788	0.053248482	
45	0.123287671	1.69977568	0.141647973	1.714028029	0.713143502	0.059428625	0.713143502	0.059428625	
60	0.164383562	1.839744965	0.15331208	1.855119256	0.775664719	0.064638727	0.775664719	0.064638727	
110	0.301369863	2.20959137	0.184132614	2.227930213	0.940867017	0.078405585	0.940867017	0.078405585	
140	0.383561644	2.390874295	0.199239525	2.410666235	1.021842134	0.085153511	1.021842134	0.085153511	
180	0.493150685	2.60455136	0.217045947	2.626056058	1.117287004	0.09310725	1.117287004	0.09310725	
365	1	3.342798138	0.278566511	3.370302034	1.443614117	0.120301176	1.443614117	0.120301176	
545	1.493150685	3.84879254	0.320732712	3.88053794	1.661832114	0.13848601	1.661832114	0.13848601	
730	2	4.247137292	0.353928108	4.282336482	1.828824223	0.152402019	1.828824223	0.152402019	
1095	3	4.83773019	0.403144182	4.878254427	2.067866792	0.172322233	2.067866792	0.172322233	
1460	4	5.286463267	0.440538606	5.331171261	2.243774556	0.186981213	2.243774556	0.186981213	
1825	5	5.641942744	0.470161895	5.690019579	2.380916619	0.198409718	2.380916619	0.198409718	
3650	10	6.806845912	0.567237159	6.866134971	2.823721006	0.235310084	2.823721006	0.235310084	
7300	20	7.890097051	0.657508088	7.959955949	3.230951522	0.26924596	3.230951522	0.26924596	
18250	50	9.256698718	0.77139156	9.340047534	3.740915039	0.31174292	3.740915039	0.31174292	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft														
Layer 1											Layer 2			
Total layer sett@ 30 days:	0.861 in				(from SETANL)						Total layer sett@ 30 days:	0.511		
Total layer sett@ 45:	0.87										Total layer sett@ 45:	0.519		
Total layer sett@ 60:	0.532										Total layer sett@ 60:	0.256		
Total layer sett@ 110:	0.532										Total layer sett@ 110:	0.256		
Total layer sett@ 140:	0.509										Total layer sett@ 140:	0.242		
Total layer sett@ 180:	0.509										Total layer sett@ 180:	0.242		
Total layer sett@ 365:	0.509										Total layer sett@ 365:	0.242		
Total layer sett@ 545:	0.509										Total layer sett@ 545:	0.242		
Total layer sett@ 730:	0.509										Total layer sett@ 730:	0.242		
Total layer sett@ 1095:	0.509										Total layer sett@ 1095:	0.242		
Total layer sett@ 1460:	0.509										Total layer sett@ 1460:	0.242		
Total layer sett@ 1825:	0.509										Total layer sett@ 1825:	0.242		
Total layer sett@ 3650:	0.509										Total layer sett@ 3650:	0.242		
Total layer sett@ 20:	0.509										Total layer sett@ 20:	0.242		
Total layer sett@ 50:	0.509										Total layer sett@ 50:	0.242		
Cv:	0.02 ft ² /day										Cv:	0.02		
Hdr:	4 ft										Hdr:	7		
time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr		time, t (days)	Tv	U	
0	0	0	0	0	0	0	0	0	0		0	0	0	
30	0.0375	21.85097	0.18813684	0.190103	0.116247	0.11122143	0.111221	0.111221	0.111221		30	0.012245	12.4862678	
45	0.05625	26.76186	0.23041963	0.232828	0.142373	0.13621788	0.136218	0.136218	0.136218		45	0.018367	15.2924924	
60	0.075	30.90194	0.26606567	0.268847	0.164398	0.15729086	0.157291	0.157291	0.157291		60	0.02449	17.6582492	
110	0.1375	41.84142	0.36025462	0.36402	0.222596	0.21297282	0.212973	0.212973	0.212973		110	0.044898	23.9093825	
140	0.175	47.20349	0.40642202	0.41067	0.251123	0.24026575	0.240266	0.240266	0.240266		140	0.057143	26.9734213	
180	0.225	53.52372	0.46083926	0.465656	0.284746	0.27243575	0.272436	0.272436	0.272436		180	0.073469	30.5849848	
365	0.45625	73.70446	0.6345954	0.641229	0.392108	0.3751557	0.375156	0.375156	0.375156		365	0.14898	43.5530375	
545	0.68125	84.90877	0.73106454	0.738706	0.451715	0.43218566	0.432186	0.432186	0.432186		545	0.222449	53.2194361	
730	0.9125	91.47159	0.78757037	0.795803	0.486629	0.46559038	0.46559	0.46559	0.46559		730	0.297959	61.1366713	
1095	1.36875	97.23399	0.83718463	0.845936	0.517285	0.49492099	0.494921	0.494921	0.494921		1095	0.446939	73.0932046	
1460	1.825	99.1029	0.85327598	0.862195	0.527227	0.50443377	0.504434	0.504434	0.504434		1460	0.595918	81.3712396	
1825	2.28125	99.70904	0.85849487	0.867469	0.530452	0.50751904	0.507519	0.507519	0.507519		1825	0.744898	87.1024881	
3650	4.5625	99.99896	0.86099101	0.869991	0.531994	0.50899469	0.508995	0.508995	0.508995		3650	1.489796	97.9482906	
7300	9.125	100	0.861	0.87	0.532	0.509	0.509	0.509	0.509		7300	2.979592	99.9480799	
18250	22.8125	100	0.861	0.87	0.532	0.509	0.509	0.509	0.509		18250	7.44898	99.9999992	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1	
Total layer sett@ 30 days:	0.861 in (from SETANL) in (from SETANL)
Total layer sett@ 45:	0.87
Total layer sett@ 60:	0.532
Total layer sett@ 110:	0.532
Total layer sett@ 140:	0.509
Total layer sett@ 180:	0.509
Total layer sett@ 365:	0.509
Total layer sett@ 545:	0.509
Total layer sett@ 730:	0.509
Total layer sett@ 1095:	0.509
Total layer sett@ 1460:	0.509
Total layer sett@ 1825:	0.509
Total layer sett@ 3650:	0.509
Total layer sett@ 20:	0.509
Total layer sett@ 50:	0.509
Cv:	0.02 ft ² /day ft ² /day
Hdr:	4 ft ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.18813684	0.190103	0.116247	0.063805	0.064804	0.031965	0.031965	0.030217	0.030217	0.030217	0.030217
45	0.05625	26.76186	0.23041963	0.232828	0.142373	0.078145	0.079368	0.039149	0.039149	0.037008	0.037008	0.037008	0.037008
60	0.075	30.90194	0.26606567	0.268847	0.164398	0.090234	0.091646	0.045205	0.045205	0.042733	0.042733	0.042733	0.042733
110	0.1375	41.84142	0.36025462	0.36402	0.222596	0.122177	0.12409	0.061208	0.061208	0.057861	0.057861	0.057861	0.057861
140	0.175	47.20349	0.40642202	0.41067	0.251123	0.137834	0.139992	0.069052	0.069052	0.065276	0.065276	0.065276	0.065276
180	0.225	53.52372	0.46083926	0.465656	0.284746	0.156289	0.158736	0.078298	0.078298	0.074016	0.074016	0.074016	0.074016
365	0.45625	73.70446	0.6345954	0.641229	0.392108	0.222556	0.22604	0.111496	0.111496	0.105398	0.105398	0.105398	0.105398
545	0.68125	84.90877	0.73106454	0.738706	0.451715	0.271951	0.276209	0.136242	0.136242	0.128791	0.128791	0.128791	0.128791
730	0.9125	91.47159	0.78757037	0.795803	0.486629	0.312408	0.317299	0.15651	0.15651	0.147951	0.147951	0.147951	0.147951
1095	1.36875	97.23399	0.83718463	0.845936	0.517285	0.373506	0.379354	0.187119	0.187119	0.176886	0.176886	0.176886	0.176886
1460	1.825	99.1029	0.85327598	0.862195	0.527227	0.415807	0.422317	0.20831	0.20831	0.196918	0.196918	0.196918	0.196918
1825	2.28125	99.70904	0.85849487	0.867469	0.530452	0.445094	0.452062	0.222982	0.222982	0.210788	0.210788	0.210788	0.210788
3650	4.5625	99.99896	0.86099101	0.869991	0.531994	0.500516	0.508352	0.250748	0.250748	0.237035	0.237035	0.237035	0.237035
7300	9.125	100	0.861	0.87	0.532	0.510735	0.518731	0.255867	0.255867	0.241874	0.241874	0.241874	0.241874
18250	22.8125	100	0.861	0.87	0.532	0.511	0.519	0.256	0.256	0.242	0.242	0.242	0.242

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1				Layer 3		
Total layer sett@ 30 days:	0.861 in		(from SETANL)	Total layer sett@ 30 days:	0.477 in	
Total layer sett@ 45:	0.87			Total layer sett@ 45:	0.485	
Total layer sett@ 60:	0.532			Total layer sett@ 60:	0.23	
Total layer sett@ 110:	0.532			Total layer sett@ 110:	0.23	
Total layer sett@ 140:	0.509			Total layer sett@ 140:	0.217	
Total layer sett@ 180:	0.509			Total layer sett@ 180:	0.217	
Total layer sett@ 365:	0.509			Total layer sett@ 365:	0.217	
Total layer sett@ 545:	0.509			Total layer sett@ 545:	0.217	
Total layer sett@ 730:	0.509			Total layer sett@ 730:	0.217	
Total layer sett@ 1095:	0.509			Total layer sett@ 1095:	0.217	
Total layer sett@ 1460:	0.509			Total layer sett@ 1460:	0.217	
Total layer sett@ 1825:	0.509			Total layer sett@ 1825:	0.217	
Total layer sett@ 3650:	0.509			Total layer sett@ 3650:	0.217	
Total layer sett@ 20:	0.509			Total layer sett@ 20:	0.217	
Total layer sett@ 50:	0.509			Total layer sett@ 50:	0.217	
Cv:	0.02 ft ² /day			Cv:	1.4 ft ² /day	
Hdr:	4 ft			Hdr:	2 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.18813684	0.190103	0.116247	30	10.5	100	0.477	0.485	0.23	0.23	0.217
45	0.05625	26.76186	0.23041963	0.232828	0.142373	45	15.75	100	0.477	0.485	0.23	0.23	0.217
60	0.075	30.90194	0.26606567	0.268847	0.164398	60	21	100	0.477	0.485	0.23	0.23	0.217
110	0.1375	41.84142	0.36025462	0.36402	0.222596	110	38.5	100	0.477	0.485	0.23	0.23	0.217
140	0.175	47.20349	0.40642202	0.41067	0.251123	140	49	100	0.477	0.485	0.23	0.23	0.217
180	0.225	53.52372	0.46083926	0.465656	0.284746	180	63	100	0.477	0.485	0.23	0.23	0.217
365	0.45625	73.70446	0.6345954	0.641229	0.392108	365	127.75	100	0.477	0.485	0.23	0.23	0.217
545	0.68125	84.90877	0.73106454	0.738706	0.451715	545	190.75	100	0.477	0.485	0.23	0.23	0.217
730	0.9125	91.47159	0.78757037	0.795803	0.486629	730	255.5	100	0.477	0.485	0.23	0.23	0.217
1095	1.36875	97.23399	0.83718463	0.845936	0.517285	1095	383.25	100	0.477	0.485	0.23	0.23	0.217
1460	1.825	99.1029	0.85327598	0.862195	0.527227	1460	511	100	0.477	0.485	0.23	0.23	0.217
1825	2.28125	99.70904	0.85849487	0.867469	0.530452	1825	638.75	100	0.477	0.485	0.23	0.23	0.217
3650	4.5625	99.99896	0.86099101	0.869991	0.531994	3650	1277.5	100	0.477	0.485	0.23	0.23	0.217
7300	9.125	100	0.861	0.87	0.532	7300	2555	100	0.477	0.485	0.23	0.23	0.217
18250	22.8125	100	0.861	0.87	0.532	18250	6387.5	100	0.477	0.485	0.23	0.23	0.217

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1				(from SETANL)				(from SETANL)			
Total layer sett@ 30 days:	0.861 in										
Total layer sett@ 45:	0.87										
Total layer sett@ 60:	0.532										
Total layer sett@ 110:	0.532										
Total layer sett@ 140:	0.509										
Total layer sett@ 180:	0.509										
Total layer sett@ 365:	0.509										
Total layer sett@ 545:	0.509										
Total layer sett@ 730:	0.509										
Total layer sett@ 1095:	0.509										
Total layer sett@ 1460:	0.509										
Total layer sett@ 1825:	0.509										
Total layer sett@ 3650:	0.509										
Total layer sett@ 20:	0.509										
Total layer sett@ 50:	0.509										
Cv:	0.02 ft ² /day										
Hdr:	4 ft										

Layer 4			
Total layer sett@ 30 days:	1.846 in		
Total layer sett@ 45:	1.878		
Total layer sett@ 60:	0.879		
Total layer sett@ 110:	0.879		
Total layer sett@ 140:	0.828		
Total layer sett@ 180:	0.828		
Total layer sett@ 365:	0.828		
Total layer sett@ 545:	0.828		
Total layer sett@ 730:	0.828		
Total layer sett@ 1095:	0.828		
Total layer sett@ 1460:	0.828		
Total layer sett@ 1825:	0.828		
Total layer sett@ 3650:	0.828		
Total layer sett@ 20:	0.828		
Total layer sett@ 50:	0.828		
Cv:	0.02 ft ² /day		
Hdr:	11 ft		

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.18813684	0.190103	0.116247	0.217	0.217
45	0.05625	26.76186	0.23041963	0.232828	0.142373	0.217	0.217
60	0.075	30.90194	0.26606567	0.268847	0.164398	0.217	0.217
110	0.1375	41.84142	0.36025462	0.36402	0.222596	0.217	0.217
140	0.175	47.20349	0.40642202	0.41067	0.251123	0.217	0.217
180	0.225	53.52372	0.46083926	0.465656	0.284746	0.217	0.217
365	0.45625	73.70446	0.6345954	0.641229	0.392108	0.217	0.217
545	0.68125	84.90877	0.73106454	0.738706	0.451715	0.217	0.217
730	0.9125	91.47159	0.78757037	0.795803	0.486629	0.217	0.217
1095	1.36875	97.23399	0.83718463	0.845936	0.517285	0.217	0.217
1460	1.825	99.1029	0.85327598	0.862195	0.527227	0.217	0.217
1825	2.28125	99.70904	0.85849487	0.867469	0.530452	0.217	0.217
3650	4.5625	99.99896	0.86099101	0.869991	0.531994	0.217	0.217
7300	9.125	100	0.861	0.87	0.532	0.217	0.217
18250	22.8125	100	0.861	0.87	0.532	0.217	0.217

time, t (days)	Tv	U	Sett@30
0	0	0	0
30	0.004959	7.945807	0.14668
45	0.007438	9.731586	0.179645
60	0.009917	11.23707	0.207436
110	0.018182	15.21506	0.28087
140	0.02314	17.1649	0.316864
180	0.029752	19.46317	0.35929
365	0.060331	27.71557	0.511629
545	0.090083	33.86691	0.625183
730	0.120661	39.19573	0.723553
1095	0.180992	48.00477	0.886168
1460	0.241322	55.43114	1.023259
1825	0.301653	61.48933	1.135093
3650	0.603306	81.7078	1.508326
7300	1.206612	95.87299	1.769815
18250	3.016529	99.9526	1.845125

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1
 Total layer sett@ 30 days: 0.861 in (from SETANL) (from SETANL)
 Total layer sett@ 45: 0.87
 Total layer sett@ 60: 0.532
 Total layer sett@ 110: 0.532
 Total layer sett@ 140: 0.509
 Total layer sett@ 180: 0.509
 Total layer sett@ 365: 0.509
 Total layer sett@ 545: 0.509
 Total layer sett@ 730: 0.509
 Total layer sett@ 1095: 0.509
 Total layer sett@ 1460: 0.509
 Total layer sett@ 1825: 0.509
 Total layer sett@ 3650: 0.509
 Total layer sett@ 20: 0.509
 Total layer sett@ 50: 0.509
 Cv: 0.02 ft²/day
 Hdr: 4 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365	Sett@545	Sett@730
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.18813684	0.190103	0.116247	0.149222	0.069844	0.069844	0.065791	0.065791	0.065791	0.065791	0.065791
45	0.05625	26.76186	0.23041963	0.232828	0.142373	0.182759	0.085541	0.085541	0.080578	0.080578	0.080578	0.080578	0.080578
60	0.075	30.90194	0.26606567	0.268847	0.164398	0.211032	0.098774	0.098774	0.093043	0.093043	0.093043	0.093043	0.093043
110	0.1375	41.84142	0.36025462	0.36402	0.222596	0.285739	0.13374	0.13374	0.125981	0.125981	0.125981	0.125981	0.125981
140	0.175	47.20349	0.40642202	0.41067	0.251123	0.322357	0.15088	0.15088	0.142125	0.142125	0.142125	0.142125	0.142125
180	0.225	53.52372	0.46083926	0.465656	0.284746	0.365518	0.171081	0.171081	0.161155	0.161155	0.161155	0.161155	0.161155
365	0.45625	73.70446	0.6345954	0.641229	0.392108	0.520498	0.24362	0.24362	0.229485	0.229485	0.229485	0.229485	0.229485
545	0.68125	84.90877	0.73106454	0.738706	0.451715	0.636021	0.29769	0.29769	0.280418	0.280418	0.280418	0.280418	0.280418
730	0.9125	91.47159	0.78757037	0.795803	0.486629	0.736096	0.344531	0.344531	0.324541	0.324541	0.324541	0.324541	0.324541
1095	1.36875	97.23399	0.83718463	0.845936	0.517285	0.90153	0.421962	0.421962	0.39748	0.39748	0.39748	0.39748	0.39748
1460	1.825	99.1029	0.85327598	0.862195	0.527227	1.040997	0.48724	0.48724	0.45897	0.45897	0.45897	0.45897	0.45897
1825	2.28125	99.70904	0.85849487	0.867469	0.530452	1.15477	0.540491	0.540491	0.509132	0.509132	0.509132	0.509132	0.509132
3650	4.5625	99.99896	0.86099101	0.869991	0.531994	1.534472	0.718212	0.718212	0.676541	0.676541	0.676541	0.676541	0.676541
7300	9.125	100	0.861	0.87	0.532	1.800495	0.842724	0.842724	0.793828	0.793828	0.793828	0.793828	0.793828
18250	22.8125	100	0.861	0.87	0.532	1.87711	0.878583	0.878583	0.827608	0.827608	0.827608	0.827608	0.827608

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1					
Total layer sett@ 30 days:	0.861 in	(from SETANL)	@ 30 days:	3.832 in	(from SETANL)
Total layer sett@ 45:	0.87		r sett@ 45:	3.901	
Total layer sett@ 60:	0.532		r sett@ 60:	1.809	
Total layer sett@ 110:	0.532		sett@ 110:	1.809	
Total layer sett@ 140:	0.509		sett@ 140:	1.702	
Total layer sett@ 180:	0.509		sett@ 180:	1.702	
Total layer sett@ 365:	0.509		sett@ 365:	1.702	
Total layer sett@ 545:	0.509		sett@ 545:	1.702	
Total layer sett@ 730:	0.509		sett@ 730:	1.702	
Total layer sett@ 1095:	0.509		ett@ 1095:	1.702	
Total layer sett@ 1460:	0.509		ett@ 1460:	1.702	
Total layer sett@ 1825:	0.509		ett@ 1825:	1.702	
Total layer sett@ 3650:	0.509		ett@ 3650:	1.702	
Total layer sett@ 20:	0.509		r sett@ 20:	1.702	
Total layer sett@ 50:	0.509		r sett@ 50:	1.702	
Cv:	0.02 ft ² /day		Cv:	0.02 ft ² /day	
Hdr:	4 ft		Hdr:	42 ft	

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Tv	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.18813684	0.190103	0.116247	0.00034	2.081045	0.079746	0.081182	0.037646	0.037646	0.035419	0.035419
45	0.05625	26.76186	0.23041963	0.232828	0.142373	0.00051	2.548749	0.097668	0.099427	0.046107	0.046107	0.04338	0.04338
60	0.075	30.90194	0.26606567	0.268847	0.164398	0.00068	2.943042	0.112777	0.114808	0.05324	0.05324	0.050091	0.050091
110	0.1375	41.84142	0.36025462	0.36402	0.222596	0.001247	3.984897	0.152701	0.155451	0.072087	0.072087	0.067823	0.067823
140	0.175	47.20349	0.40642202	0.41067	0.251123	0.001587	4.49557	0.17227	0.175372	0.081325	0.081325	0.076515	0.076515
180	0.225	53.52372	0.46083926	0.465656	0.284746	0.002041	5.097497	0.195336	0.198853	0.092214	0.092214	0.086759	0.086759
365	0.45625	73.70446	0.6345954	0.641229	0.392108	0.004138	7.25884	0.278159	0.283167	0.131312	0.131312	0.123545	0.123545
545	0.68125	84.90877	0.73106454	0.738706	0.451715	0.006179	8.869906	0.339895	0.346015	0.160457	0.160457	0.150966	0.150966
730	0.9125	91.47159	0.78757037	0.795803	0.486629	0.008277	10.26555	0.393376	0.400459	0.185704	0.185704	0.17472	0.17472
1095	1.36875	97.23399	0.83718463	0.845936	0.517285	0.012415	12.57268	0.481785	0.49046	0.22744	0.22744	0.213987	0.213987
1460	1.825	99.1029	0.85327598	0.862195	0.527227	0.016553	14.51768	0.556317	0.566335	0.262625	0.262625	0.247091	0.247091
1825	2.28125	99.70904	0.85849487	0.867469	0.530452	0.020692	16.23126	0.621982	0.633181	0.293623	0.293623	0.276256	0.276256
3650	4.5625	99.99896	0.86099101	0.869991	0.531994	0.041383	22.95447	0.879615	0.895454	0.415246	0.415246	0.390685	0.390685
7300	9.125	100	0.861	0.87	0.532	0.082766	32.46252	1.243964	1.266363	0.587247	0.587247	0.552512	0.552512
18250	22.8125	100	0.861	0.87	0.532	0.206916	51.32775	1.966879	2.002295	0.928519	0.928519	0.873598	0.873598

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1
 Total layer sett@ 30 days: 0.861 in (from SETANL)
 Total layer sett@ 45: 0.87
 Total layer sett@ 60: 0.532
 Total layer sett@ 110: 0.532
 Total layer sett@ 140: 0.509
 Total layer sett@ 180: 0.509
 Total layer sett@ 365: 0.509
 Total layer sett@ 545: 0.509
 Total layer sett@ 730: 0.509
 Total layer sett@ 1095: 0.509
 Total layer sett@ 1460: 0.509
 Total layer sett@ 1825: 0.509
 Total layer sett@ 3650: 0.509
 Total layer sett@ 20: 0.509
 Total layer sett@ 50: 0.509
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 6
 Total layer sett@ 30 days: in (from SETANL)
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: ft²/day
 Hdr: ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@50yr
0	0	0	0	0	0	0
30	0.0375	21.85097	0.18813684	0.190103	0.116247	0.035419
45	0.05625	26.76186	0.23041963	0.232828	0.142373	0.04338
60	0.075	30.90194	0.26606567	0.268847	0.164398	0.050091
110	0.1375	41.84142	0.36025462	0.36402	0.222596	0.067823
140	0.175	47.20349	0.40642202	0.41067	0.251123	0.076515
180	0.225	53.52372	0.46083926	0.465656	0.284746	0.086759
365	0.45625	73.70446	0.6345954	0.641229	0.392108	0.123545
545	0.68125	84.90877	0.73106454	0.738706	0.451715	0.150966
730	0.9125	91.47159	0.78757037	0.795803	0.486629	0.17472
1095	1.36875	97.23399	0.83718463	0.845936	0.517285	0.213987
1460	1.825	99.1029	0.85327598	0.862195	0.527227	0.247091
1825	2.28125	99.70904	0.85849487	0.867469	0.530452	0.276256
3650	4.5625	99.99896	0.86099101	0.869991	0.531994	0.390685
7300	9.125	100	0.861	0.87	0.532	0.552512
18250	22.8125	100	0.861	0.87	0.532	0.873598

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	#DIV/0!	#DIV/0!			
45	#DIV/0!	#DIV/0!			
60	#DIV/0!	#DIV/0!			
110	#DIV/0!	#DIV/0!			
140	#DIV/0!	#DIV/0!			
180	#DIV/0!	#DIV/0!			
365	#DIV/0!	#DIV/0!			
545	#DIV/0!	#DIV/0!			
730	#DIV/0!	#DIV/0!			
1095	#DIV/0!	#DIV/0!			
1460	#DIV/0!	#DIV/0!			
1825	#DIV/0!	#DIV/0!			
3650	#DIV/0!	#DIV/0!			
7300	#DIV/0!	#DIV/0!			
18250	#DIV/0!	#DIV/0!			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1
 Total layer sett@ 30 days: 0.861 in (from SETANL)
 Total layer sett@ 45: 0.87
 Total layer sett@ 60: 0.532
 Total layer sett@ 110: 0.532
 Total layer sett@ 140: 0.509
 Total layer sett@ 180: 0.509
 Total layer sett@ 365: 0.509
 Total layer sett@ 545: 0.509
 Total layer sett@ 730: 0.509
 Total layer sett@ 1095: 0.509
 Total layer sett@ 1460: 0.509
 Total layer sett@ 1825: 0.509
 Total layer sett@ 3650: 0.509
 Total layer sett@ 20: 0.509
 Total layer sett@ 50: 0.509
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 7
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.18813684	0.190103	0.116247				
45	0.05625	26.76186	0.23041963	0.232828	0.142373				
60	0.075	30.90194	0.26606567	0.268847	0.164398				
110	0.1375	41.84142	0.36025462	0.36402	0.222596				
140	0.175	47.20349	0.40642202	0.41067	0.251123				
180	0.225	53.52372	0.46083926	0.465656	0.284746				
365	0.45625	73.70446	0.6345954	0.641229	0.392108				
545	0.68125	84.90877	0.73106454	0.738706	0.451715				
730	0.9125	91.47159	0.78757037	0.795803	0.486629				
1095	1.36875	97.23399	0.83718463	0.845936	0.517285				
1460	1.825	99.1029	0.85327598	0.862195	0.527227				
1825	2.28125	99.70904	0.85849487	0.867469	0.530452				
3650	4.5625	99.99896	0.86099101	0.869991	0.531994				
7300	9.125	100	0.861	0.87	0.532				
18250	22.8125	100	0.861	0.87	0.532				

time, t (days)	Tv
0	0
30	#DIV/0!
45	#DIV/0!
60	#DIV/0!
110	#DIV/0!
140	#DIV/0!
180	#DIV/0!
365	#DIV/0!
545	#DIV/0!
730	#DIV/0!
1095	#DIV/0!
1460	#DIV/0!
1825	#DIV/0!
3650	#DIV/0!
7300	#DIV/0!
18250	#DIV/0!

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1	
Total layer sett@ 30 days:	0.861 in (from SETANL) in (from SETANL)
Total layer sett@ 45:	0.87
Total layer sett@ 60:	0.532
Total layer sett@ 110:	0.532
Total layer sett@ 140:	0.509
Total layer sett@ 180:	0.509
Total layer sett@ 365:	0.509
Total layer sett@ 545:	0.509
Total layer sett@ 730:	0.509
Total layer sett@ 1095:	0.509
Total layer sett@ 1460:	0.509
Total layer sett@ 1825:	0.509
Total layer sett@ 3650:	0.509
Total layer sett@ 20:	0.509
Total layer sett@ 50:	0.509
Cv:	0.02 ft ² /day ft ² /day
Hdr:	4 ft ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.18813684	0.190103	0.116247	#DIV/0!							
45	0.05625	26.76186	0.23041963	0.232828	0.142373	#DIV/0!							
60	0.075	30.90194	0.26606567	0.268847	0.164398	#DIV/0!							
110	0.1375	41.84142	0.36025462	0.36402	0.222596	#DIV/0!							
140	0.175	47.20349	0.40642202	0.41067	0.251123	#DIV/0!							
180	0.225	53.52372	0.46083926	0.465656	0.284746	#DIV/0!							
365	0.45625	73.70446	0.6345954	0.641229	0.392108	#DIV/0!							
545	0.68125	84.90877	0.73106454	0.738706	0.451715	#DIV/0!							
730	0.9125	91.47159	0.78757037	0.795803	0.486629	#DIV/0!							
1095	1.36875	97.23399	0.83718463	0.845936	0.517285	#DIV/0!							
1460	1.825	99.1029	0.85327598	0.862195	0.527227	#DIV/0!							
1825	2.28125	99.70904	0.85849487	0.867469	0.530452	#DIV/0!							
3650	4.5625	99.99896	0.86099101	0.869991	0.531994	#DIV/0!							
7300	9.125	100	0.861	0.87	0.532	#DIV/0!							
18250	22.8125	100	0.861	0.87	0.532	#DIV/0!							

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1
 Total layer sett@ 30 days: 0.861 in (from SETANL)
 Total layer sett@ 45: 0.87
 Total layer sett@ 60: 0.532
 Total layer sett@ 110: 0.532
 Total layer sett@ 140: 0.509
 Total layer sett@ 180: 0.509
 Total layer sett@ 365: 0.509
 Total layer sett@ 545: 0.509
 Total layer sett@ 730: 0.509
 Total layer sett@ 1095: 0.509
 Total layer sett@ 1460: 0.509
 Total layer sett@ 1825: 0.509
 Total layer sett@ 3650: 0.509
 Total layer sett@ 20: 0.509
 Total layer sett@ 50: 0.509
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 8
 Total layer sett@ 30 days: in (from SETANL)
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv: ft²/day
 Hdr: ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	0.0375	21.85097	0.18813684	0.190103	0.116247
45	0.05625	26.76186	0.23041963	0.232828	0.142373
60	0.075	30.90194	0.26606567	0.268847	0.164398
110	0.1375	41.84142	0.36025462	0.36402	0.222596
140	0.175	47.20349	0.40642202	0.41067	0.251123
180	0.225	53.52372	0.46083926	0.465656	0.284746
365	0.45625	73.70446	0.6345954	0.641229	0.392108
545	0.68125	84.90877	0.73106454	0.738706	0.451715
730	0.9125	91.47159	0.78757037	0.795803	0.486629
1095	1.36875	97.23399	0.83718463	0.845936	0.517285
1460	1.825	99.1029	0.85327598	0.862195	0.527227
1825	2.28125	99.70904	0.85849487	0.867469	0.530452
3650	4.5625	99.99896	0.86099101	0.869991	0.531994
7300	9.125	100	0.861	0.87	0.532
18250	22.8125	100	0.861	0.87	0.532

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60
0	0	0	0	0	0
30	#DIV/0!	#DIV/0!			
45	#DIV/0!	#DIV/0!			
60	#DIV/0!	#DIV/0!			
110	#DIV/0!	#DIV/0!			
140	#DIV/0!	#DIV/0!			
180	#DIV/0!	#DIV/0!			
365	#DIV/0!	#DIV/0!			
545	#DIV/0!	#DIV/0!			
730	#DIV/0!	#DIV/0!			
1095	#DIV/0!	#DIV/0!			
1460	#DIV/0!	#DIV/0!			
1825	#DIV/0!	#DIV/0!			
3650	#DIV/0!	#DIV/0!			
7300	#DIV/0!	#DIV/0!			
18250	#DIV/0!	#DIV/0!			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1
 Total layer sett@ 30 days: 0.861 in (from SETANL)
 Total layer sett@ 45: 0.87
 Total layer sett@ 60: 0.532
 Total layer sett@ 110: 0.532
 Total layer sett@ 140: 0.509
 Total layer sett@ 180: 0.509
 Total layer sett@ 365: 0.509
 Total layer sett@ 545: 0.509
 Total layer sett@ 730: 0.509
 Total layer sett@ 1095: 0.509
 Total layer sett@ 1460: 0.509
 Total layer sett@ 1825: 0.509
 Total layer sett@ 3650: 0.509
 Total layer sett@ 20: 0.509
 Total layer sett@ 50: 0.509
 Cv: 0.02 ft²/day
 Hdr: 4 ft

Layer 9
 Total layer sett@ 30 days:
 Total layer sett@ 45:
 Total layer sett@ 60:
 Total layer sett@ 110:
 Total layer sett@ 140:
 Total layer sett@ 180:
 Total layer sett@ 365:
 Total layer sett@ 545:
 Total layer sett@ 730:
 Total layer sett@ 1095:
 Total layer sett@ 1460:
 Total layer sett@ 1825:
 Total layer sett@ 3650:
 Total layer sett@ 20:
 Total layer sett@ 50:
 Cv:
 Hdr:

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	Sett@5yr	Sett@10yr	Sett@20yr	Sett@50yr
0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.18813684	0.190103	0.116247				
45	0.05625	26.76186	0.23041963	0.232828	0.142373				
60	0.075	30.90194	0.26606567	0.268847	0.164398				
110	0.1375	41.84142	0.36025462	0.36402	0.222596				
140	0.175	47.20349	0.40642202	0.41067	0.251123				
180	0.225	53.52372	0.46083926	0.465656	0.284746				
365	0.45625	73.70446	0.6345954	0.641229	0.392108				
545	0.68125	84.90877	0.73106454	0.738706	0.451715				
730	0.9125	91.47159	0.78757037	0.795803	0.486629				
1095	1.36875	97.23399	0.83718463	0.845936	0.517285				
1460	1.825	99.1029	0.85327598	0.862195	0.527227				
1825	2.28125	99.70904	0.85849487	0.867469	0.530452				
3650	4.5625	99.99896	0.86099101	0.869991	0.531994				
7300	9.125	100	0.861	0.87	0.532				
18250	22.8125	100	0.861	0.87	0.532				

time, t (days)	Tv
0	0
30	#DIV/0!
45	#DIV/0!
60	#DIV/0!
110	#DIV/0!
140	#DIV/0!
180	#DIV/0!
365	#DIV/0!
545	#DIV/0!
730	#DIV/0!
1095	#DIV/0!
1460	#DIV/0!
1825	#DIV/0!
3650	#DIV/0!
7300	#DIV/0!
18250	#DIV/0!

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1	
Total layer sett@ 30 days:	0.861 in (from SETANL) in (from SETANL)
Total layer sett@ 45:	0.87
Total layer sett@ 60:	0.532
Total layer sett@ 110:	0.532
Total layer sett@ 140:	0.509
Total layer sett@ 180:	0.509
Total layer sett@ 365:	0.509
Total layer sett@ 545:	0.509
Total layer sett@ 730:	0.509
Total layer sett@ 1095:	0.509
Total layer sett@ 1460:	0.509
Total layer sett@ 1825:	0.509
Total layer sett@ 3650:	0.509
Total layer sett@ 20:	0.509
Total layer sett@ 50:	0.509
Cv:	0.02 ft ² /day ft ² /day
Hdr:	4 ft ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60	U	Sett@30	Sett@45	Sett@60	Sett@90	Sett@120	Sett@180	Sett@365
0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0.0375	21.85097	0.18813684	0.190103	0.116247	#DIV/0!							
45	0.05625	26.76186	0.23041963	0.232828	0.142373	#DIV/0!							
60	0.075	30.90194	0.26606567	0.268847	0.164398	#DIV/0!							
110	0.1375	41.84142	0.36025462	0.36402	0.222596	#DIV/0!							
140	0.175	47.20349	0.40642202	0.41067	0.251123	#DIV/0!							
180	0.225	53.52372	0.46083926	0.465656	0.284746	#DIV/0!							
365	0.45625	73.70446	0.6345954	0.641229	0.392108	#DIV/0!							
545	0.68125	84.90877	0.73106454	0.738706	0.451715	#DIV/0!							
730	0.9125	91.47159	0.78757037	0.795803	0.486629	#DIV/0!							
1095	1.36875	97.23399	0.83718463	0.845936	0.517285	#DIV/0!							
1460	1.825	99.1029	0.85327598	0.862195	0.527227	#DIV/0!							
1825	2.28125	99.70904	0.85849487	0.867469	0.530452	#DIV/0!							
3650	4.5625	99.99896	0.86099101	0.869991	0.531994	#DIV/0!							
7300	9.125	100	0.861	0.87	0.532	#DIV/0!							
18250	22.8125	100	0.861	0.87	0.532	#DIV/0!							

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

Initial Fill Elevation = 2.0 ft

Layer 1

Total layer sett@ 30 days: 0.861 in (from SETANL)
 Total layer sett@ 45: 0.87
 Total layer sett@ 60: 0.532
 Total layer sett@ 110: 0.532
 Total layer sett@ 140: 0.509
 Total layer sett@ 180: 0.509
 Total layer sett@ 365: 0.509
 Total layer sett@ 545: 0.509
 Total layer sett@ 730: 0.509
 Total layer sett@ 1095: 0.509
 Total layer sett@ 1460: 0.509
 Total layer sett@ 1825: 0.509
 Total layer sett@ 3650: 0.509
 Total layer sett@ 20: 0.509
 Total layer sett@ 50: 0.509
 Cv: 0.02 ft²/day
 Hdr: 4 ft

time, t (days)	Tv	U	Sett@30	Sett@45	Sett@60		
0	0	0	0	0	0		
30	0.0375	21.85097	0.18813684	0.190103	0.116247	0.955367	0.079614
45	0.05625	26.76186	0.23041963	0.232828	0.142373		
60	0.075	30.90194	0.26606567	0.268847	0.164398		
110	0.1375	41.84142	0.36025462	0.36402	0.222596		
140	0.175	47.20349	0.40642202	0.41067	0.251123		
180	0.225	53.52372	0.46083926	0.465656	0.284746		
365	0.45625	73.70446	0.6345954	0.641229	0.392108		
545	0.68125	84.90877	0.73106454	0.738706	0.451715		
730	0.9125	91.47159	0.78757037	0.795803	0.486629		
1095	1.36875	97.23399	0.83718463	0.845936	0.517285		
1460	1.825	99.1029	0.85327598	0.862195	0.527227		
1825	2.28125	99.70904	0.85849487	0.867469	0.530452		
3650	4.5625	99.99896	0.86099101	0.869991	0.531994		
7300	9.125	100	0.861	0.87	0.532		
18250	22.8125	100	0.861	0.87	0.532		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 60 days		Settlement 110 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.955366891	0.079613908	0.970310959	0.080859247	0.485701737	0.040475145	0.485701737	0.040475145
45	0.123287671	1.062877397	0.088573116	1.079382108	0.089948509	0.543169391	0.045264116	0.543169391	0.045264116
60	0.164383562	1.153512945	0.096126079	1.17133334	0.097611112	0.591616865	0.049301405	0.591616865	0.049301405
110	0.301369863	1.393002858	0.116083572	1.414299735	0.117858311	0.71963155	0.059969296	0.71963155	0.059969296
140	0.383561644	1.510390594	0.125865883	1.533391494	0.127782625	0.782378885	0.06519824	0.782378885	0.06519824
180	0.493150685	1.648754793	0.137396233	1.673764216	0.139480351	0.856338783	0.071361565	0.856338783	0.071361565
365	1	2.123939561	0.176994963	2.155934787	0.179661232	1.108535764	0.09237798	1.108535764	0.09237798
545	1.493150685	2.445093884	0.203757824	2.481950876	0.20682924	1.276103203	0.106341934	1.276103203	0.106341934
730	2	2.693907867	0.224492322	2.734657107	0.227888092	1.403373018	0.116947751	1.403373018	0.116947751
1095	3	3.055644093	0.254637008	3.102279284	0.258523274	1.583805142	0.131983762	1.583805142	0.131983762
1460	4	3.325659299	0.277138275	3.376843422	0.281403618	1.715402332	0.142950194	1.715402332	0.142950194
1825	5	3.537663517	0.294805293	3.592481685	0.299373474	1.817549198	0.151462433	1.817549198	0.151462433
3650	10	4.226447834	0.352203986	4.293268679	0.35777239	2.146199889	0.178849991	2.146199889	0.178849991
7300	20	4.862513662	0.405209472	4.940588001	0.411715667	2.447837564	0.203986464	2.447837564	0.203986464
18250	50	5.66100432	0.47175036	5.753405298	0.479450442	2.825102325	0.235425194	2.825102325	0.235425194

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft		Settlement 45 days			Settlement 140 days		Settlement 180 days		Settlement 365 days	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.955366891	0.079613908	0.970310959	0.459648858	0.038304071	0.459648858	0.038304071	0.459648858	0.038304071
45	0.123287671	1.062877397	0.088573116	1.079382108	0.514182944	0.042848579	0.514182944	0.042848579	0.514182944	0.042848579
60	0.164383562	1.153512945	0.096126079	1.171333334	0.560157306	0.046679775	0.560157306	0.046679775	0.560157306	0.046679775
110	0.301369863	1.393002858	0.116083572	1.414299735	0.681637188	0.056803099	0.681637188	0.056803099	0.681637188	0.056803099
140	0.383561644	1.510390594	0.125865883	1.533391494	0.741181443	0.06176512	0.741181443	0.06176512	0.741181443	0.06176512
180	0.493150685	1.648754793	0.137396233	1.673764216	0.811365889	0.067613824	0.811365889	0.067613824	0.811365889	0.067613824
365	1	2.123939561	0.176994963	2.155934787	1.050584414	0.087548701	1.050584414	0.087548701	1.050584414	0.087548701
545	1.493150685	2.445093884	0.203757824	2.481950876	1.209360538	0.100780045	1.209360538	0.100780045	1.209360538	0.100780045
730	2	2.693907867	0.224492322	2.734657107	1.329801456	0.110816788	1.329801456	0.110816788	1.329801456	0.110816788
1095	3	3.055644093	0.254637008	3.102279284	1.500273075	0.125022756	1.500273075	0.125022756	1.500273075	0.125022756
1460	4	3.325659299	0.277138275	3.376843422	1.624412894	0.135367741	1.624412894	0.135367741	1.624412894	0.135367741
1825	5	3.537663517	0.294805293	3.592481685	1.720694762	0.14339123	1.720694762	0.14339123	1.720694762	0.14339123
3650	10	4.226447834	0.352203986	4.293268679	2.030255114	0.169187926	2.030255114	0.169187926	2.030255114	0.169187926
7300	20	4.862513662	0.405209472	4.940588001	2.314214717	0.192851226	2.314214717	0.192851226	2.314214717	0.192851226
18250	50	5.66100432	0.47175036	5.753405298	2.669205808	0.222433817	2.669205808	0.222433817	2.669205808	0.222433817

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days			Settlement 545 days			Settlement 730 days		
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	0	
30	0.082191781	0.955366891	0.079613908	0.970310959	0.459648858	0.038304071	0.459648858	0.038304071	0.459648858	0.038304071	0.459648858	
45	0.123287671	1.062877397	0.088573116	1.079382108	0.514182944	0.042848579	0.514182944	0.042848579	0.514182944	0.042848579	0.514182944	
60	0.164383562	1.153512945	0.096126079	1.17133334	0.560157306	0.046679775	0.560157306	0.046679775	0.560157306	0.046679775	0.560157306	
110	0.301369863	1.393002858	0.116083572	1.414299735	0.681637188	0.056803099	0.681637188	0.056803099	0.681637188	0.056803099	0.681637188	
140	0.383561644	1.510390594	0.125865883	1.533391494	0.741181443	0.06176512	0.741181443	0.06176512	0.741181443	0.06176512	0.741181443	
180	0.493150685	1.648754793	0.137396233	1.673764216	0.811365889	0.067613824	0.811365889	0.067613824	0.811365889	0.067613824	0.811365889	
365	1	2.123939561	0.176994963	2.155934787	1.050584414	0.087548701	1.050584414	0.087548701	1.050584414	0.087548701	1.050584414	
545	1.493150685	2.445093884	0.203757824	2.481950876	1.209360538	0.100780045	1.209360538	0.100780045	1.209360538	0.100780045	1.209360538	
730	2	2.693907867	0.224492322	2.734657107	1.329801456	0.110816788	1.329801456	0.110816788	1.329801456	0.110816788	1.329801456	
1095	3	3.055644093	0.254637008	3.102279284	1.500273075	0.125022756	1.500273075	0.125022756	1.500273075	0.125022756	1.500273075	
1460	4	3.325659299	0.277138275	3.376843422	1.624412894	0.135367741	1.624412894	0.135367741	1.624412894	0.135367741	1.624412894	
1825	5	3.537663517	0.294805293	3.592481685	1.720694762	0.14339123	1.720694762	0.14339123	1.720694762	0.14339123	1.720694762	
3650	10	4.226447834	0.352203986	4.293268679	2.030255114	0.169187926	2.030255114	0.169187926	2.030255114	0.169187926	2.030255114	
7300	20	4.862513662	0.405209472	4.940588001	2.314214717	0.192851226	2.314214717	0.192851226	2.314214717	0.192851226	2.314214717	
18250	50	5.66100432	0.47175036	5.753405298	2.669205808	0.222433817	2.669205808	0.222433817	2.669205808	0.222433817	2.669205808	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 1095 days		Settlement 4 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0	0
30	0.082191781	0.955366891	0.079613908	0.970310959	0.038304071	0.459648858	0.038304071	0.459648858	0.038304071
45	0.123287671	1.062877397	0.088573116	1.079382108	0.042848579	0.514182944	0.042848579	0.514182944	0.042848579
60	0.164383562	1.153512945	0.096126079	1.17133334	0.046679775	0.560157306	0.046679775	0.560157306	0.046679775
110	0.301369863	1.393002858	0.116083572	1.414299735	0.056803099	0.681637188	0.056803099	0.681637188	0.056803099
140	0.383561644	1.510390594	0.125865883	1.533391494	0.06176512	0.741181443	0.06176512	0.741181443	0.06176512
180	0.493150685	1.648754793	0.137396233	1.673764216	0.067613824	0.811365889	0.067613824	0.811365889	0.067613824
365	1	2.123939561	0.176994963	2.155934787	0.087548701	1.050584414	0.087548701	1.050584414	0.087548701
545	1.493150685	2.445093884	0.203757824	2.481950876	0.100780045	1.209360538	0.100780045	1.209360538	0.100780045
730	2	2.693907867	0.224492322	2.734657107	0.110816788	1.329801456	0.110816788	1.329801456	0.110816788
1095	3	3.055644093	0.254637008	3.102279284	0.125022756	1.500273075	0.125022756	1.500273075	0.125022756
1460	4	3.325659299	0.277138275	3.376843422	0.135367741	1.624412894	0.135367741	1.624412894	0.135367741
1825	5	3.537663517	0.294805293	3.592481685	0.14339123	1.720694762	0.14339123	1.720694762	0.14339123
3650	10	4.226447834	0.352203986	4.293268679	0.169187926	2.030255114	0.169187926	2.030255114	0.169187926
7300	20	4.862513662	0.405209472	4.940588001	0.192851226	2.314214717	0.192851226	2.314214717	0.192851226
18250	50	5.66100432	0.47175036	5.753405298	0.222433817	2.669205808	0.222433817	2.669205808	0.222433817

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft		Settlement 45 days		Settlement 5 years	Settlement 10 years		Settlement 20 years	
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)
0	0	0	0	0	0	0	0	0
30	0.082191781	0.955366891	0.079613908	0.970310959	0.459648858	0.038304071	0.459648858	0.038304071
45	0.123287671	1.062877397	0.088573116	1.079382108	0.514182944	0.042848579	0.514182944	0.042848579
60	0.164383562	1.153512945	0.096126079	1.171333334	0.560157306	0.046679775	0.560157306	0.046679775
110	0.301369863	1.393002858	0.116083572	1.414299735	0.681637188	0.056803099	0.681637188	0.056803099
140	0.383561644	1.510390594	0.125865883	1.533391494	0.741181443	0.06176512	0.741181443	0.06176512
180	0.493150685	1.648754793	0.137396233	1.673764216	0.811365889	0.067613824	0.811365889	0.067613824
365	1	2.123939561	0.176994963	2.155934787	1.050584414	0.087548701	1.050584414	0.087548701
545	1.493150685	2.445093884	0.203757824	2.481950876	1.209360538	0.100780045	1.209360538	0.100780045
730	2	2.693907867	0.224492322	2.734657107	1.329801456	0.110816788	1.329801456	0.110816788
1095	3	3.055644093	0.254637008	3.102279284	1.500273075	0.125022756	1.500273075	0.125022756
1460	4	3.325659299	0.277138275	3.376843422	1.624412894	0.135367741	1.624412894	0.135367741
1825	5	3.537663517	0.294805293	3.592481685	1.720694762	0.14339123	1.720694762	0.14339123
3650	10	4.226447834	0.352203986	4.293268679	2.030255114	0.169187926	2.030255114	0.169187926
7300	20	4.862513662	0.405209472	4.940588001	2.314214717	0.192851226	2.314214717	0.192851226
18250	50	5.66100432	0.47175036	5.753405298	2.669205808	0.222433817	2.669205808	0.222433817

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18c (Lift 1-2 ft)

Initial Fill Elevation = 2 ft				Settlement 45 days		Settlement 50 years			
Time (days)	Time (years)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Settlement (in)	Foundation Settlement (ft)	Settlement (in)	Foundation Settlement (ft)	
0	0	0	0	0	0	0	0	0	
30	0.082191781	0.955366891	0.079613908	0.970310959	0.459648858	0.038304071	0.459648858	0.038304071	
45	0.123287671	1.062877397	0.088573116	1.079382108	0.514182944	0.042848579	0.514182944	0.042848579	
60	0.164383562	1.153512945	0.096126079	1.171333334	0.560157306	0.046679775	0.560157306	0.046679775	
110	0.301369863	1.393002858	0.116083572	1.414299735	0.681637188	0.056803099	0.681637188	0.056803099	
140	0.383561644	1.510390594	0.125865883	1.533391494	0.741181443	0.06176512	0.741181443	0.06176512	
180	0.493150685	1.648754793	0.137396233	1.673764216	0.811365889	0.067613824	0.811365889	0.067613824	
365	1	2.123939561	0.176994963	2.155934787	1.050584414	0.087548701	1.050584414	0.087548701	
545	1.493150685	2.445093884	0.203757824	2.481950876	1.209360538	0.100780045	1.209360538	0.100780045	
730	2	2.693907867	0.224492322	2.734657107	1.329801456	0.110816788	1.329801456	0.110816788	
1095	3	3.055644093	0.254637008	3.102279284	1.500273075	0.125022756	1.500273075	0.125022756	
1460	4	3.325659299	0.277138275	3.376843422	1.624412894	0.135367741	1.624412894	0.135367741	
1825	5	3.537663517	0.294805293	3.592481685	1.720694762	0.14339123	1.720694762	0.14339123	
3650	10	4.226447834	0.352203986	4.293268679	2.030255114	0.169187926	2.030255114	0.169187926	
7300	20	4.862513662	0.405209472	4.940588001	2.314214717	0.192851226	2.314214717	0.192851226	
18250	50	5.66100432	0.47175036	5.753405298	2.669205808	0.222433817	2.669205808	0.222433817	

PRELIMINARY

APPENDIX I-E
SETTLEMENT ANALYSES CALCULATIONS



Calculation Checksheet

Project No. 16715 -020-00 Project Title: Lost Lake Marsh Creation

Deliverable Title: consolidation Curve Reconstruction & Field Vane Data Reduction

Calculations Description/Location in Deliverable Text (list): _____

- consol. curves of borings 7, 11, 12, 13, 14, 16 & 18 reconstructed based Braja Das "principle of geotech. Eng." 5th edition
- Field vane data reduced with PI correction

Originator: STG Checked by: VT Date: June 28, 2011

Checking Method (describe): checked field vane data, curves used and corrections applied.

Comments: Consolidation curves for borings B-15 and 17 also included. checked reconstruction and made corrections where required.

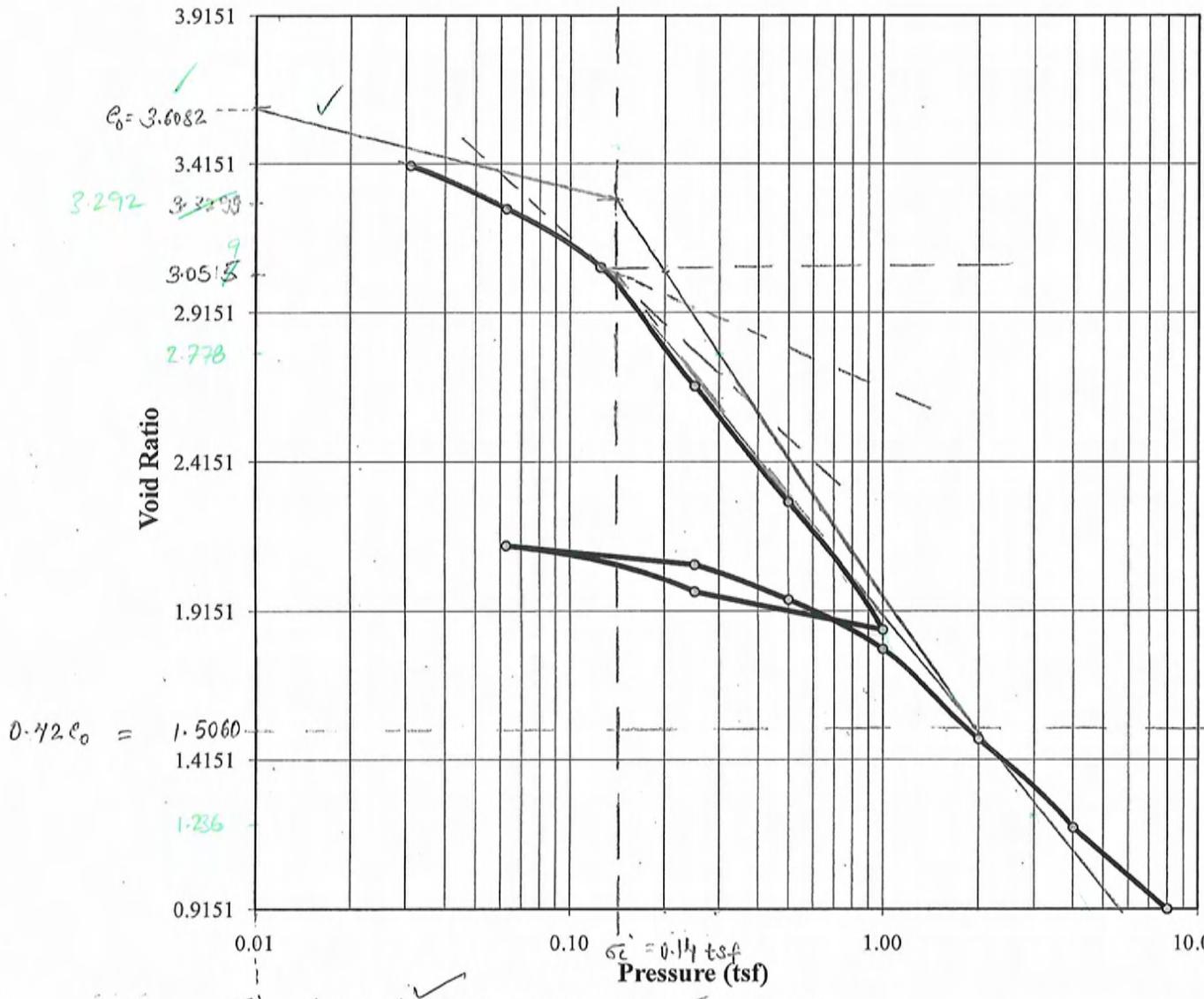
Attach checksheets, numbered consecutively.

1" = 60 scale
53 ticks = 0.5

44 ticks = 0.5

GEOENGINEERS

Consolidation Test Test Results



- Soil OC
- picket envelope
to be the
avg value
instead of
slope btw
 σ_0 & σ_c

$\sigma'_0 = (82.6 - 62.4) \times 1 = 20.2 \text{ psf} = 0.01 \text{ tsf}$

	Before	After	Liquid Limits:	146	Test Date:	6 June 11
Moisture (%):	142.79	44.42	Plastic Limits:	45		
Dry Density (pcf):	33.42	72.87	Plasticity Index (%):	101		
Saturation (%):	97.57	98.20				
Void Ratio:	3.6082	0.9139	Specific Gravity:	2.473	Measured	
Soil Description:	Organic Clay (OH)					
Project Number:	16715-020-00	Depth:	5 - 7 feet			
Sample Number:		Boring Number:	7			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

OCR = $\frac{\sigma'_c}{\sigma'_0} = \frac{0.14}{0.01} = 14$
 $C_c = \frac{2.778 - 1.286}{3.6082 - 1.506} = 1.542$
 $C_c = 3.0515 - 1.506 = 1.5455 \Rightarrow CR = \frac{1.5455}{4.6082} = 0.34$
 $C_r = \frac{3.6082 - 3.3299}{3.6082 - 3.292} = 0.2783 \Rightarrow RR = \frac{0.2783}{4.6082} = 0.06$

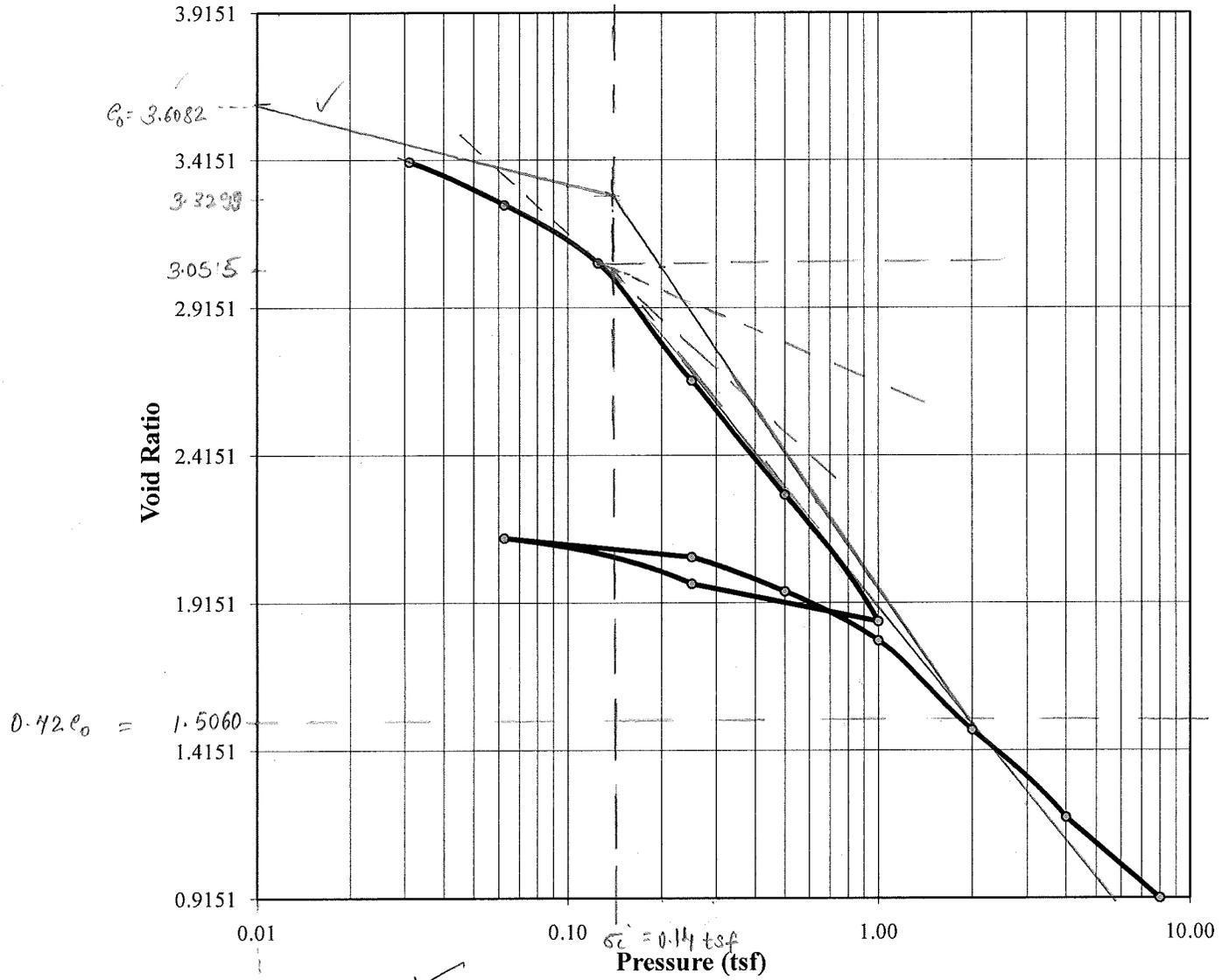
$t_{90} C_v = 2.931 \text{ ft}^2/\text{yr}$
 $= 8.03 \times 10^{-3} \text{ ft}^2/\text{day}$
 $t_{50} C_v = 3.237 \text{ ft}^2/\text{yr}$
 $= 8.87 \times 10^{-3} \text{ ft}^2/\text{day}$

1" = 60 scale
53 ticks = 0.5

44 ticks = 0.5

GEOENGINEERS

Consolidation Test Test Results



$\sigma'_0 = (82.6 - 62.4) \times 1 = 20.2 \text{ psf} = 0.01 \text{ tsf}$

	Before	After	Liquid Limits:	146	Test Date:	6 June 11
Moisture (%):	142.79	44.42	Plastic Limits:	45		
Dry Density (pcf):	33.42	72.87	Plasticity Index (%):	101		
Saturation (%):	97.57	98.20				
Void Ratio:	3.6082	0.9139	Specific Gravity:	2.473	Measured	
Soil Description:	Organic Clay (OH)					
Project Number:	16715-020-00		Depth:	5 - 7 feet		
Sample Number:			Boring Number:	7		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

$OCR = \frac{\sigma'_c}{\sigma'_0} = \frac{0.14}{0.01} = 14$

$C_c = 3.0515 - 1.506 = 1.5455 \Rightarrow CR = \frac{1.5455}{4.6082} = 0.34$

$C_r = 3.6082 - 3.3299 = 0.2783 \Rightarrow RR = \frac{0.2783}{4.6082} = 0.06$

$t_{90} C_v = 2.931 \text{ ft}^2/\text{yr}$
 $= 8.03 \times 10^{-3} \text{ ft}^2/\text{day}$
 $t_{50} C_v = 3.237 \text{ ft}^2/\text{yr}$
 $= 8.87 \times 10^{-3} \text{ ft}^2/\text{day}$



Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00

Location:

Job Number: 11-21

Sample Number:

Boring Number: 7

Depth: 5 - 7 feet

Sample Type: Undisturbed

Sample Description:

Organic Clay (OH)

Remarks:

Test Number:

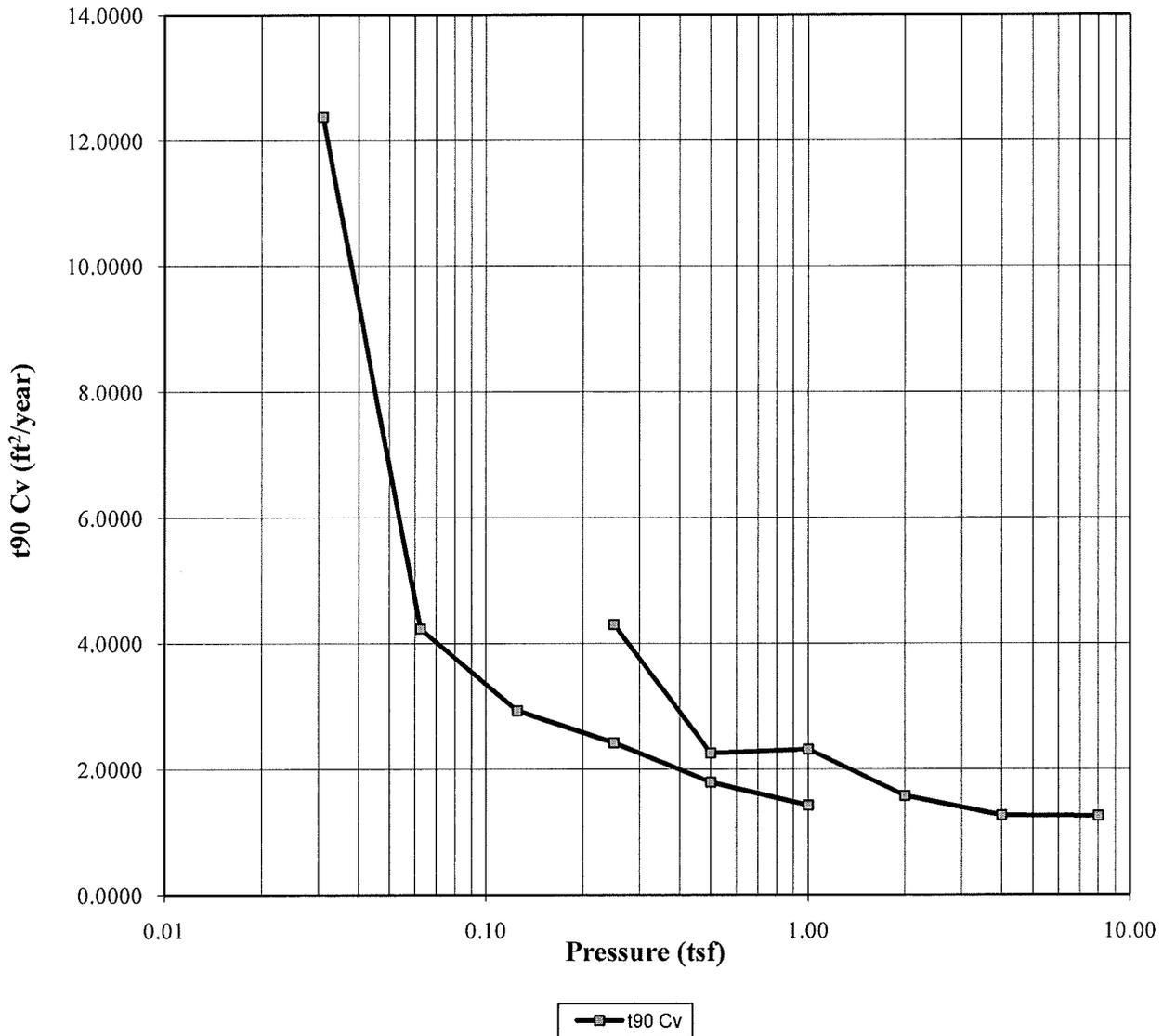
Test Date: 6 June 11

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft ² /year)	t50 Cv (ft ² /year)
0	0.000	0.0000	0.7500	0.5873	0.00	3.6109	0.000	0.000	0.000	0.000
1	0.031	0.0332	0.7168	0.5541	4.43	3.4068	32.137	5.039	12.371	18.328
2	0.063	0.0568	0.6932	0.5305	7.57	3.2617	87.790	37.030	4.235	2.333
3	0.125	0.0888	0.6612	0.4985	11.84	3.0650	115.417	24.282	2.931	3.237
4	0.250	0.1534	0.5966	0.4339	20.45	2.6678	113.979	29.002	2.416	2.206
5	0.500	0.2163	0.5337	0.3710	28.84	2.2811	122.922	27.295	1.793	1.876
6	1.000	0.2862	0.4638	0.3011	38.16	1.8514	116.881	21.422	1.424	1.805
7	0.250	0.2654	0.4846	0.3219	35.39	1.9793	0.000	0.000	0.000	0.000
8	0.063	0.2403	0.5097	0.3470	32.04	2.1336	0.000	0.000	0.000	0.000
9	0.250	0.2508	0.4992	0.3365	33.44	2.0690	44.875	10.438	4.297	4.292
10	0.500	0.2697	0.4803	0.3176	35.96	1.9528	79.291	15.725	2.251	2.637
11	1.000	0.2967	0.4533	0.2906	39.56	1.7868	68.707	16.131	2.314	2.290
12	2.000	0.3461	0.4039	0.2412	46.15	1.4831	80.044	26.890	1.577	1.091
13	4.000	0.3942	0.3558	0.1931	52.56	1.1874	77.343	19.944	1.267	1.141
14	8.000	0.4385	0.3115	0.1488	58.47	0.9151	59.751	18.785	1.257	0.929

Predicted value indicated with *

Consolidation Test

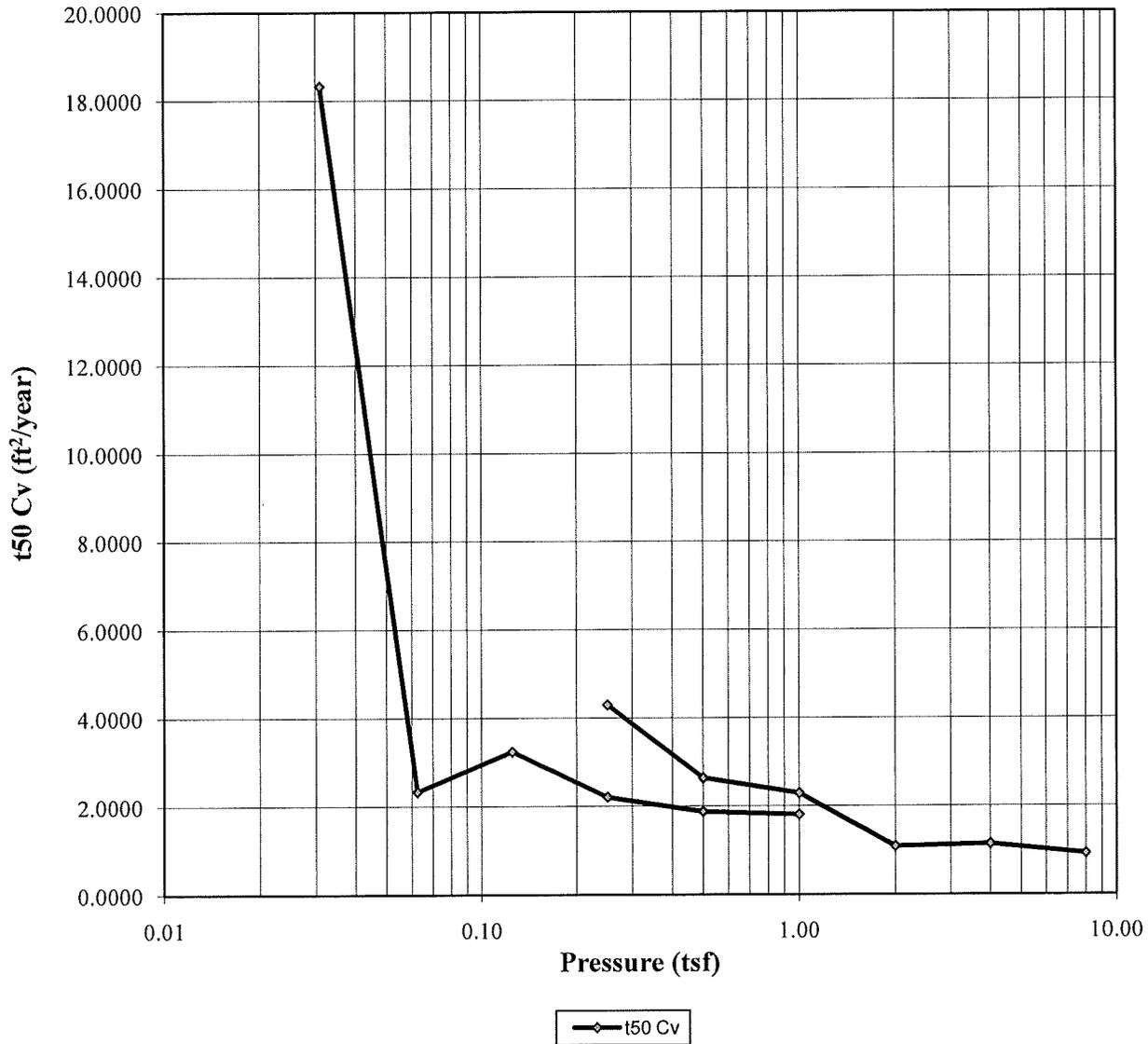
Test Results



	Before	After	Liquid Limits:	146	Test Date: 6 June 11
Moisture (%):	142.79	44.42	Plastic Limits:	45	
Dry Density (pcf):	33.42	72.87	Plasticity Index (%):	101	
Saturation (%):	97.57	98.20			
Void Ratio:	3.6082	0.9139	Specific Gravity:	2.473	Measured
Soil Description: Organic Clay (OH)					
Project Number:	16715-020-00		Depth:	5 - 7 feet	
Sample Number:			Boring Number:	7	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				
Client:	LA Office of Coastal Protection and Restoration				
Location:					
			Remarks:		

Consolidation Test

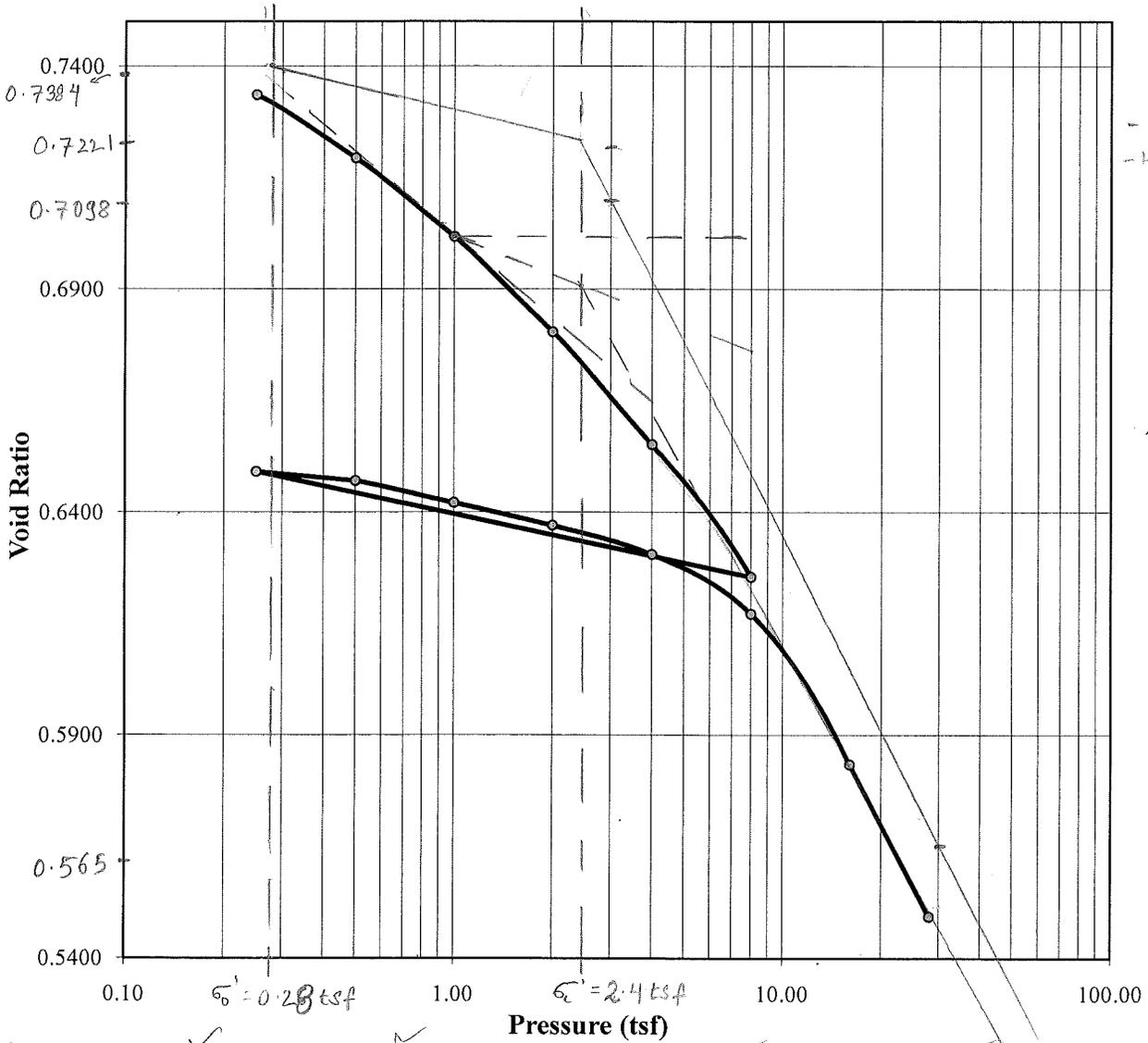
Test Results



	Before	After	Liquid Limits:	146	Test Date:	6 June 11
Moisture (%):	142.79	44.42	Plastic Limits:	45		
Dry Density (pcf):	33.42	72.87	Plasticity Index (%):	101		
Saturation (%):	97.57	98.20				
Void Ratio:	3.6082	0.9139	Specific Gravity:	2.473	Measured	
Soil Description:	Organic Clay (OH)					
Project Number:	16715-020-00		Depth: 5 - 7 feet		Remarks:	
Sample Number:	Boring Number: 7					
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

GEOENGINEERS

Consolidation Test Test Results



$$\sigma'_0 = (68.44 - 62.4) \times 2 + (84.249 - 62.4) \times 2 + (100.498 - 62.4) \times 2 + (124.5 - 62.4) \times 6 + (120 - 62.4) \times 1$$

	Before	After	Liquid Limits:	22	Test Date:	7 June 11
Moisture (%):	27.51	28.97	Plastic Limits:	20		
Dry Density (pcf):	93.84	100.57	Plasticity Index (%):	2		
Saturation (%):	97.02	121.17				
Void Ratio:	0.7409	0.5503	Specific Gravity:	2.620	Measured	
Soil Description:	Fine sand (SP) <i>silt (ML)</i>					
Project Number:	16715-020-00		Depth:	15 - 17 feet		Remarks:
Sample Number:			Boring Number:	11		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

= 562.17 psf
= 0.267 tsf
= 0.287 tsf

$$OCR = \frac{2.4}{0.26 \times 0.28} = 9.25 \quad 8.57$$

$$C_r = 0.7384 - 0.7221 = 0.0163 \Rightarrow RR = \frac{0.0163}{1.7409} = 0.0094$$

$$C_c = 0.7098 - 0.565 = 0.1448 \Rightarrow CR = \frac{0.1448}{1.7409} = 0.083$$

$$t_{90} C_v = 480 \text{ ft}^2/\text{yr} = 1.315 \text{ ft}^2/\text{day}$$

$$t_{50} C_v = 16.336 \text{ ft}^2/\text{yr} = 0.045 \text{ ft}^2/\text{day}$$



Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00
Location: **Test Number:**
Job Number: 11-21 **Test Date:** 7 June 11

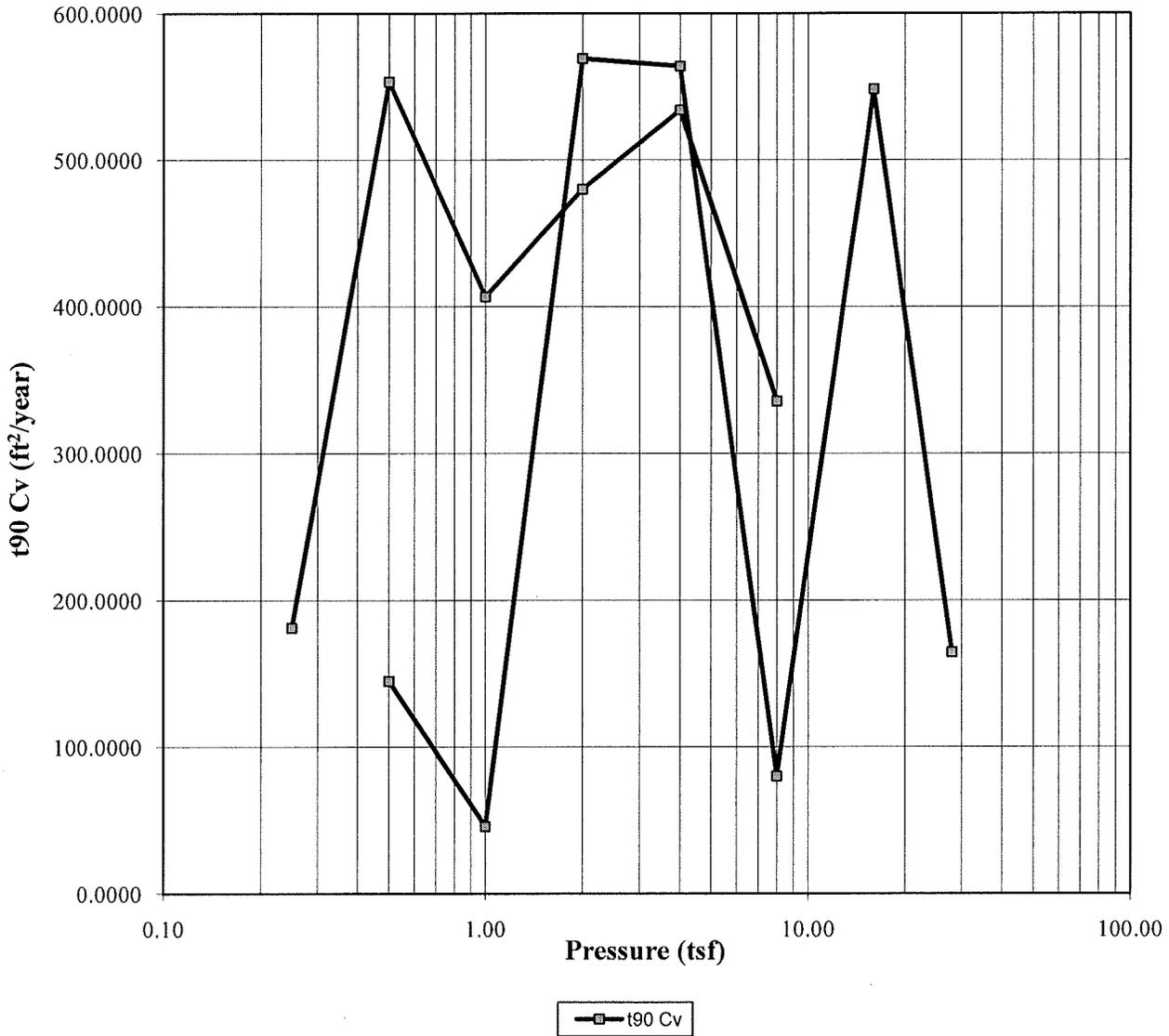
Sample Number: 11 **Sample Description:**
Boring Number: 15 - 17 feet Fine sand (SP)
Depth: Undisturbed **Remarks:**

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft ² /year)	t50 Cv (ft ² /year)
0	0.000	0.0000	0.7500	0.3189	0.00	0.7398	0.000	0.000	0.000	0.000
1	0.250	0.0027	0.7473	0.3162	0.36	0.7335	2.384	4.899	181.242	20.492
2	0.500	0.0088	0.7412	0.3101	1.17	0.7194	0.768	5.811	553.224	16.996
3	1.000	0.0164	0.7336	0.3025	2.19	0.7017	1.024	0.779	406.572	124.158
4	2.000	0.0256	0.7244	0.2933	3.41	0.6804	0.846	5.775	479.998	16.336
5	4.000	0.0365	0.7135	0.2824	4.87	0.6551	0.738	12.848	534.030	7.123
6	8.000	0.0493	0.7007	0.2696	6.57	0.6254	1.132	18.834	335.698	4.686
7	0.250	0.0391	0.7109	0.2798	5.21	0.6491	0.000	0.000	0.000	0.000
8	0.500	0.0400	0.7100	0.2789	5.33	0.6470	* 2.6950	1.497	144.739	60.525
9	1.000	0.0421	0.7079	0.2768	5.61	0.6421	8.480	4.523	45.726	19.918
10	2.000	0.0443	0.7057	0.2746	5.91	0.6370	0.677	0.369	569.225	242.760
11	4.000	0.0471	0.7029	0.2718	6.28	0.6305	0.678	0.374	563.884	237.193
12	8.000	0.0529	0.6971	0.2660	7.05	0.6171	4.702	30.609	79.969	2.854
13	16.000	0.0674	0.6826	0.2515	8.99	0.5834	0.658	23.047	548.117	3.634
14	28.000	0.0821	0.6679	0.2368	10.95	0.5493	2.098	0.120	164.557	669.745

* Predicted value indicated with *

Consolidation Test

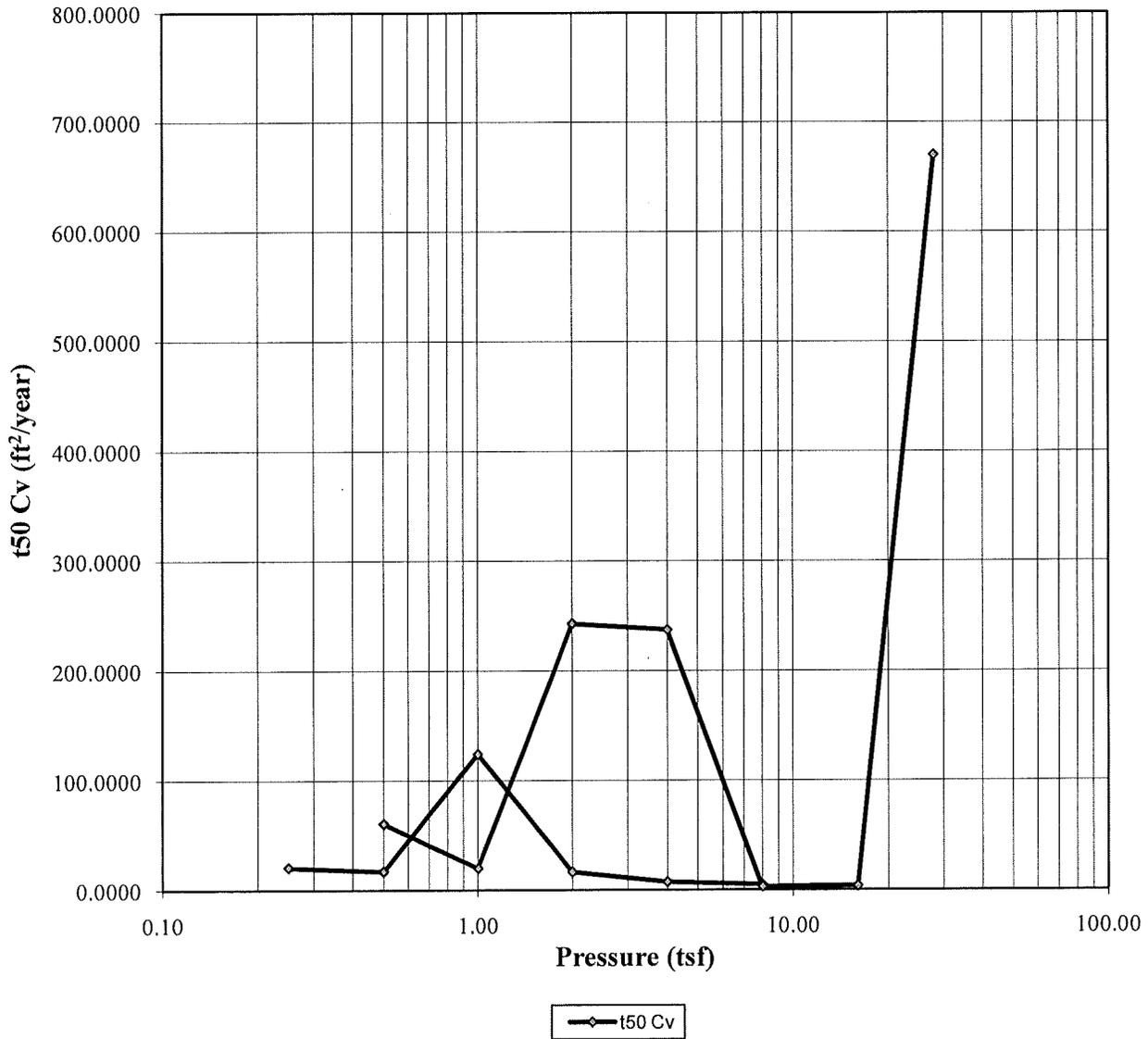
Test Results



	Before	After	Liquid Limits:	22	Test Date:	7 June 11
Moisture (%):	27.51	28.97	Plastic Limits:	20		
Dry Density (pcf):	93.84	100.57	Plasticity Index (%):	2		
Saturation (%):	97.02	121.17				
Void Ratio:	0.7409	0.5503	Specific Gravity:	2.620	Measured	
Soil Description:	Fine sand (SP)					
Project Number:	16715-020-00		Depth:	15 - 17 feet		Remarks:
Sample Number:	Boring Number: 11					
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test

Test Results



	Before	After	Liquid Limits:	22	Test Date: 7 June 11
Moisture (%):	27.51	28.97	Plastic Limits:	20	
Dry Density (pcf):	93.84	100.57	Plasticity Index (%):	2	
Saturation (%):	97.02	121.17			
Void Ratio:	0.7409	0.5503	Specific Gravity:	2.620	Measured
Soil Description:	Fine sand (SP)				
Project Number:	16715-020-00		Depth:	15 - 17 feet	
Sample Number:			Boring Number:	11	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				
Client:	LA Office of Coastal Protection and Restoration				
Location:					
			Remarks:		

16 ticks = 0.5

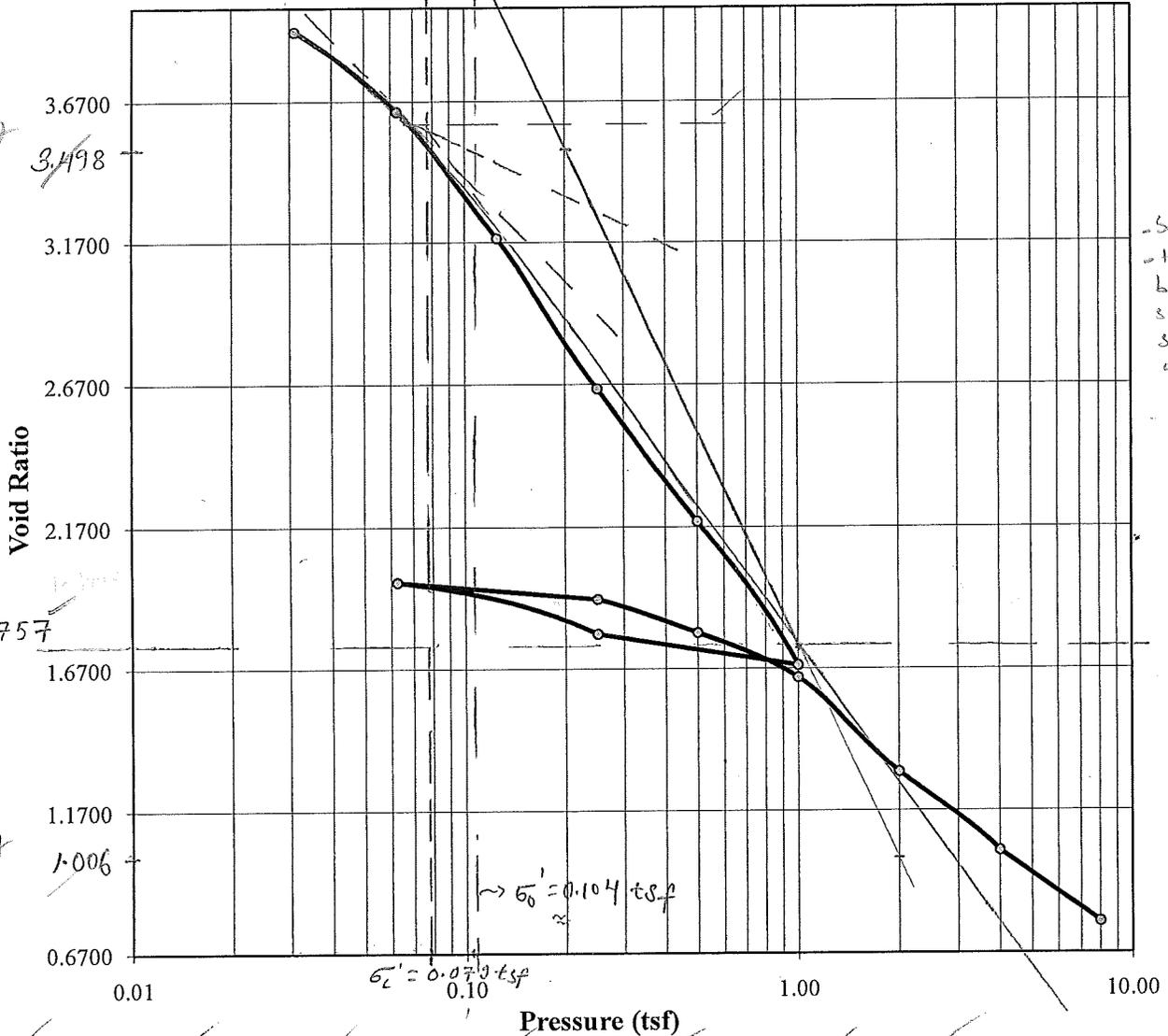
60 scale
47.5 ticks

GEOENGINEERS

Consolidation Test Test Results

$e_0 = 4.1837$

3.507
~~3.498~~



- Soil NC
- However, based on surrounding soils, upper 10ft OC.
- Hence Ayler considered

0.422 $e_0 = 1.757$

$\rightarrow \sigma'_c = 0.104 \text{ tsf}$

$$\sigma'_0 = (105.98 - 62.4) \times 2 + (115.884 - 62.4) \times 2 + (76.97 - 62.4) \times 1 = 208.698 \text{ PSF} = 0.104 \text{ tsf}$$

	Before	After	Liquid Limits:	241	Test Date:	8 June 11
Moisture (%):	219.89	52.91	Plastic Limits:	62		
Dry Density (pcf):	24.06	77.16	Plasticity Index (%):	179		
Saturation (%):	104.94	170.90				
Void Ratio:	4.1837	0.7791	Specific Gravity:	2.002	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00		Depth: 7-9 feet		Remarks:	
Sample Number:	Boring Number: 12					
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

OCR < 1

$$C_c = 3.498 - 1.006 = 2.492$$

≈ 2.5

$$CR = \frac{2.492}{5.1837} = 0.48$$

$t_{90} C_v = 7.073 \text{ ft}^2/\text{yr}$

$$= 0.0194 \text{ ft}^2/\text{day}$$

$t_{50} C_v = 4.059 \text{ ft}^2/\text{yr}$

$$= 0.0111 \text{ ft}^2/\text{day}$$

16 ticks = 0.5

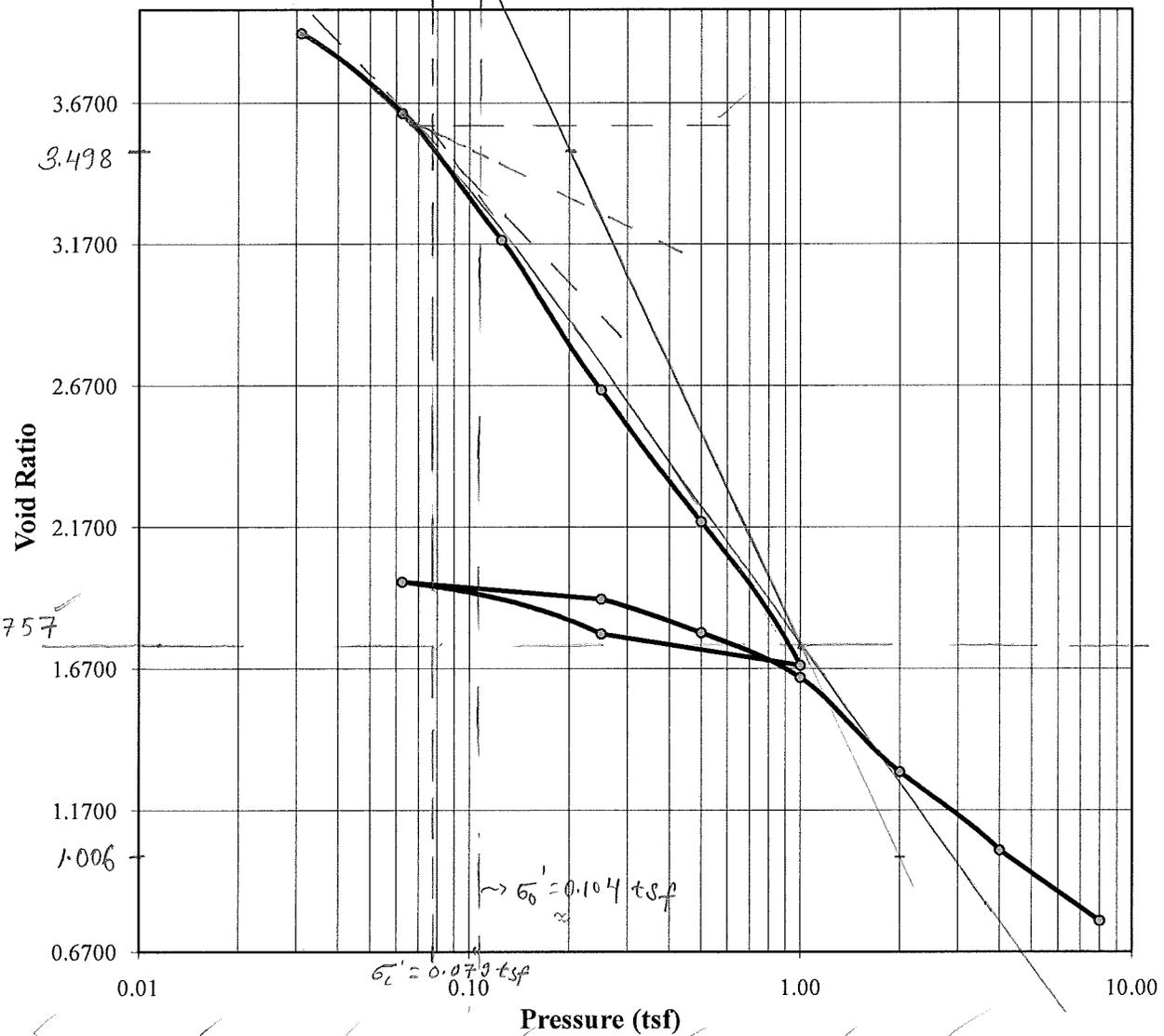
60 scale
47.5 ticks = 0.5

GEOENGINEERS

Consolidation Test Test Results

$e_0 = 4.1837$

$0.42e_0 = 1.757$



$$\sigma'_0 = (105.98 - 62.4) \times 2 + (115.884 - 62.4) \times 2 + (76.97 - 62.4) \times 1 = 208.698 \text{ psf} = 0.104 \text{ tsf}$$

	Before	After	Liquid Limits:	241	Test Date:	8 June 11
Moisture (%):	219.89	52.91	Plastic Limits:	62		
Dry Density (pcf):	24.06	77.16	Plasticity Index (%):	179		
Saturation (%):	104.94	170.90				
Void Ratio:	4.1837	0.7791	Specific Gravity:	2.002	Measured	
Soil Description:	Peat (PT) ✓					
Project Number:	16715-020-00		Depth:	7 - 9 feet		
Sample Number:			Boring Number:	12		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

$OCR < 1$

$$C_c = 3.498 - 1.006 = 2.492$$

$$CR = \frac{2.492}{5.1837} = 0.48$$

$$t_{90} C_v = 7.073 \text{ ft}^2/\text{yr} = 0.0194 \text{ ft}^2/\text{day}$$

$$t_{50} C_v = 7.059 \text{ ft}^2/\text{yr} = 0.0111 \text{ ft}^2/\text{day}$$



Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)

Location:

Job Number: 11-21

Project Number: 16715-020-00

Sample Number:

Boring Number: 12

Depth: 7 - 9 feet

Sample Type: Undisturbed

Sample Description:

Peat (PT)

Remarks:

Test Number:

Test Date: 8 June 11

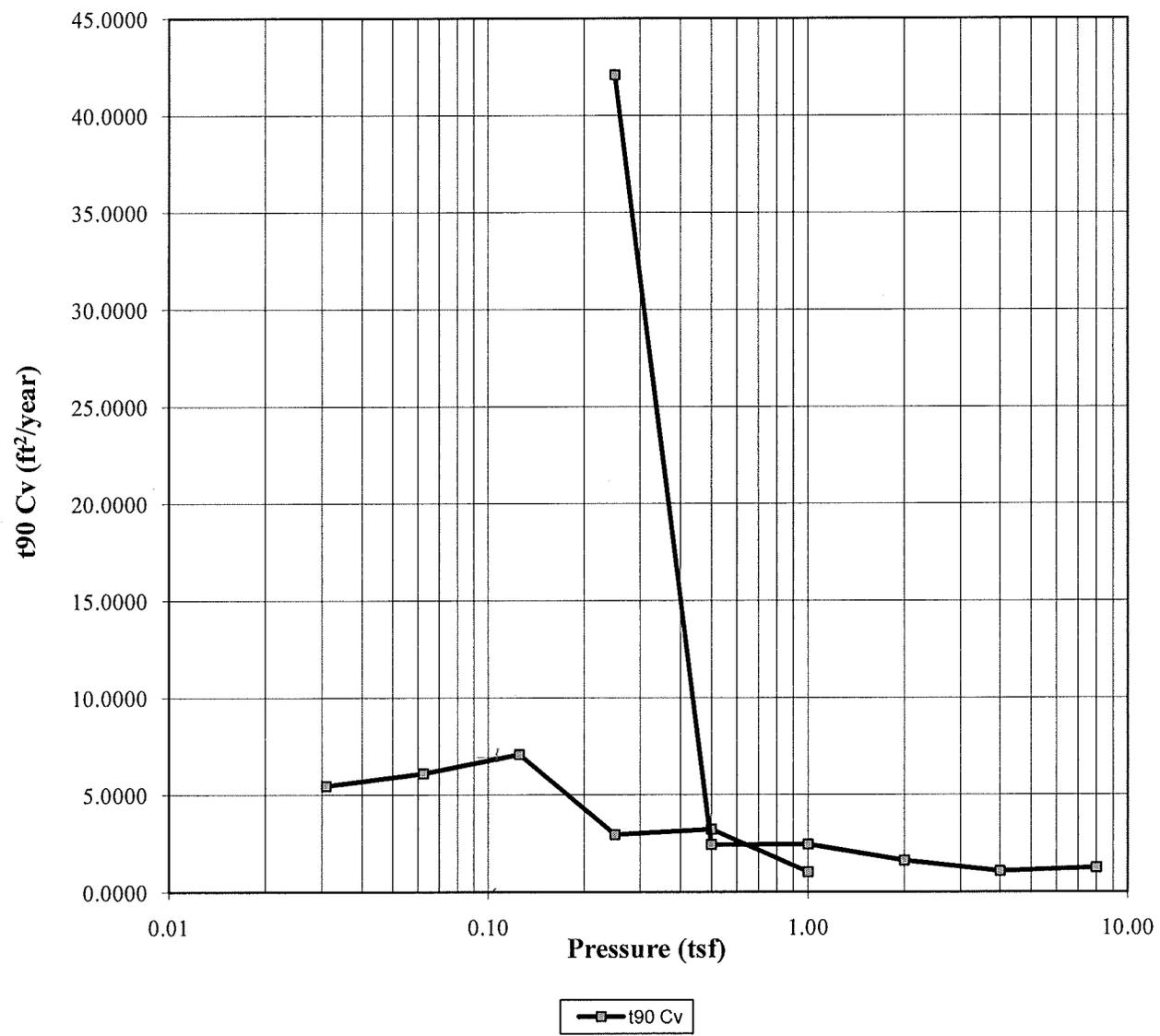
Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft ² /year)	t50 Cv (ft ² /year)
0	0.000	0.0000	0.7500	0.6054	0.00	4.1859	0.000	0.000	0.000	0.000
1	0.031	0.0390	0.7110	0.5664	5.20	3.9163	71.747	20.820	5.452	4.365
2	0.063	0.0800	0.6700	0.5254	10.67	3.6328	57.029	11.491	6.091	7.023
3	0.125	0.1449	0.6051	0.4605	19.32	3.1840	40.058	16.215	7.073	4.059
4	0.250	0.2216	0.5284	0.3838	29.55	2.6537	73.494	21.070	2.940	2.382
5	0.500	0.2888	0.4612	0.3166	38.51	2.1890	51.201	18.159	3.215	2.106
6	1.000	0.3622	0.3878	0.2432	48.29	1.6815	113.205	23.046	1.028	1.173
7	0.250	0.3462	0.4038	0.2592	46.16	1.7921	0.000	0.000	0.000	0.000
8	0.063	0.3197	0.4303	0.2857	42.63	1.9753	0.000	0.000	0.000	0.000
9	0.250	0.3285	0.4215	0.2769	43.80	1.9145	3.267	11.609	42.075	2.751
10	0.500	0.3456	0.4044	0.2598	46.08	1.7963	52.178	11.927	2.425	2.465
11	1.000	0.3685	0.3815	0.2369	49.13	1.6379	46.158	12.329	2.440	2.122
12	2.000	0.4166	0.3334	0.1888	55.55	1.3053	53.381	20.775	1.611	0.962
13	4.000	0.4566	0.2934	0.1488	60.88	1.0287	62.036	16.980	1.074	0.911
14	8.000	0.4926	0.2574	0.1128	65.68	0.7798	41.175	15.437	1.245	0.772

Predicted value indicated with *

i' = 60
33 kps = 5

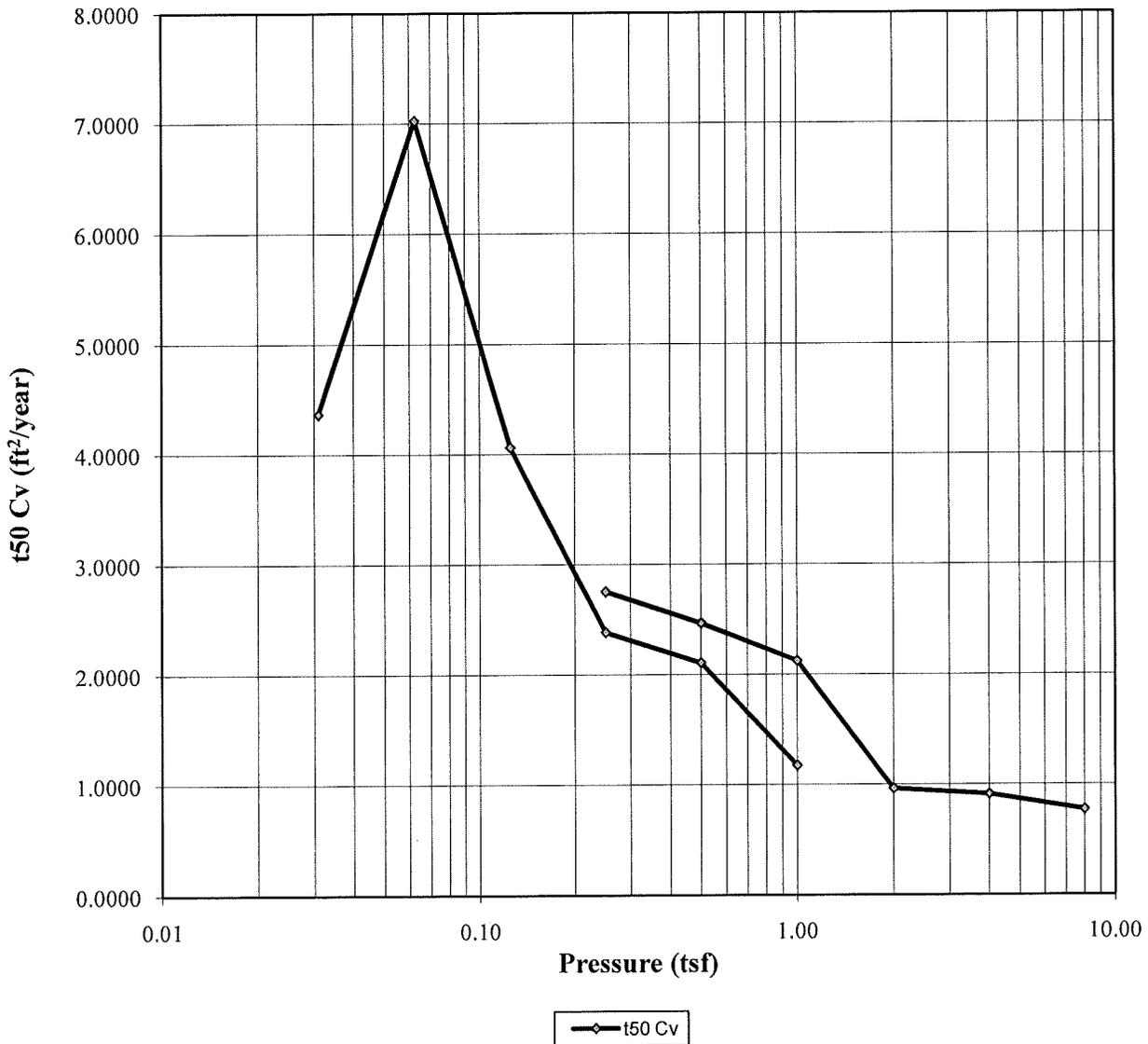


Consolidation Test Test Results



	Before	After	Liquid Limits:	241	Test Date:	8 June 11
Moisture (%):	219.89	52.91	Plastic Limits:	62		
Dry Density (pcf):	24.06	77.16	Plasticity Index (%):	179		
Saturation (%):	104.94	170.90				
Void Ratio:	4.1837	0.7791	Specific Gravity:	2.002	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00		Depth:	7 - 9 feet		
Sample Number:			Boring Number:	12		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						
	Remarks:					

Consolidation Test Test Results

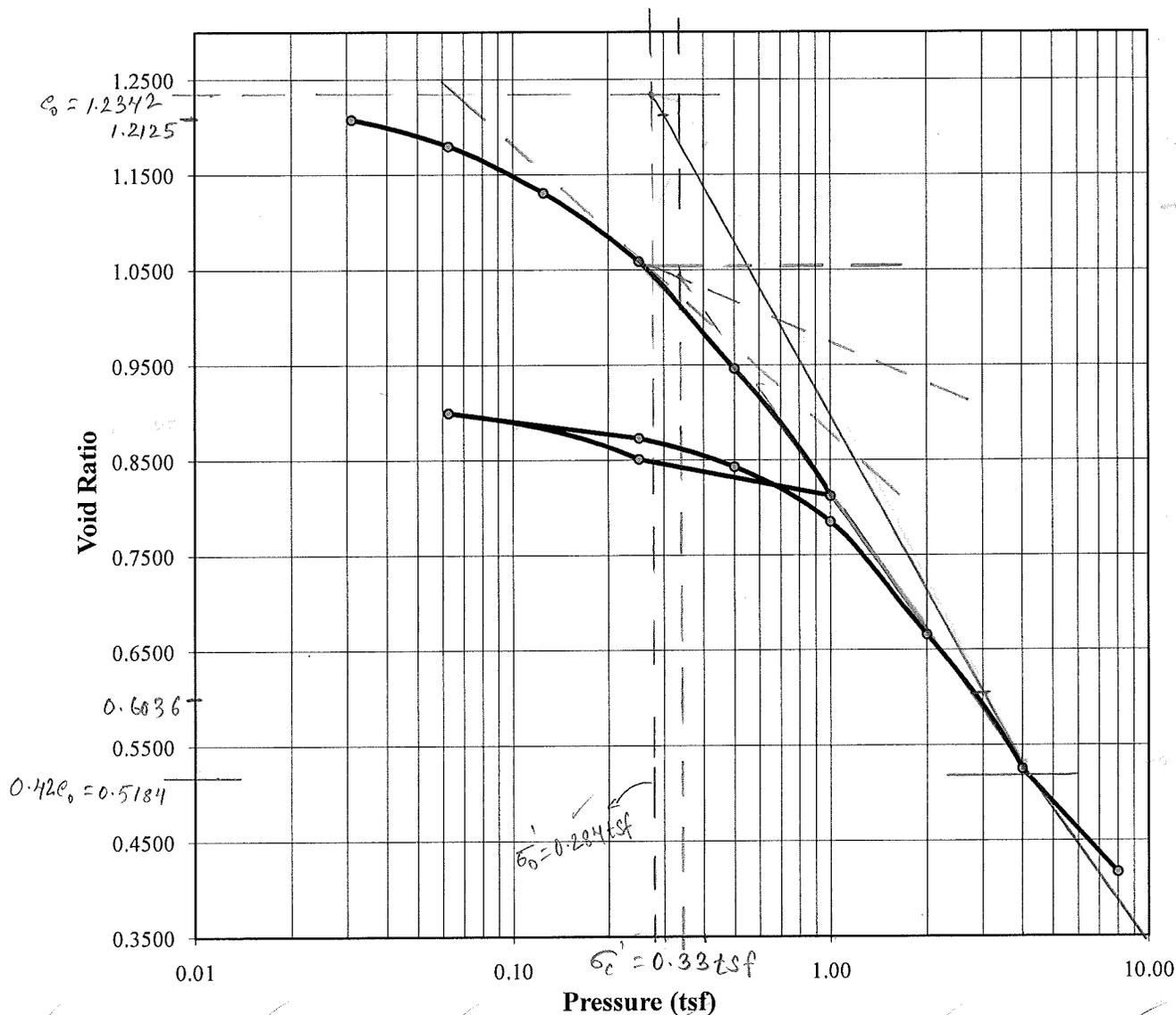


	Before	After	Liquid Limits:	241	Test Date:	8 June 11
Moisture (%):	219.89	52.91	Plastic Limits:	62		
Dry Density (pcf):	24.06	77.16	Plasticity Index (%):	179		
Saturation (%):	104.94	170.90				
Void Ratio:	4.1837	0.7791	Specific Gravity:	2.002	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00		Depth:	7 - 9 feet		Remarks:
Sample Number:			Boring Number:	12		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

28 ticks = 0.1
33 ticks = 0.1

GEOENGINEERS

Consolidation Test Test Results



$$\sigma'_0 = (101.4 - 62.4) \times 2 + (110.05 - 62.4) \times 2 + (115.73 - 62.4) \times 2 + (122.13 - 62.4) \times 4 + (110.97 - 62.4) \times 1 = 567.46 \text{ PSF} = 0.284 \text{ TSF}$$

	Before	After	Liquid Limits:	86	Test Date:	16 June 11
Moisture (%):	63.33	37.44	Plastic Limits:	29		
Dry Density (pcf):	60.00	88.66	Plasticity Index (%):	57		
Saturation (%):	110.04	156.50				
Void Ratio:	1.2342	0.4171	Specific Gravity:	2.151	Measured	
Soil Description:	Gray clay with organic matter (CH)					
Project Number:	16715-020-00	Depth:	14 - 16 feet	Remarks:		
Sample Number:		Boring Number:	13			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

OCR ≈ 1

$$C_c = 1.2125 - 0.6036 = 0.6089$$

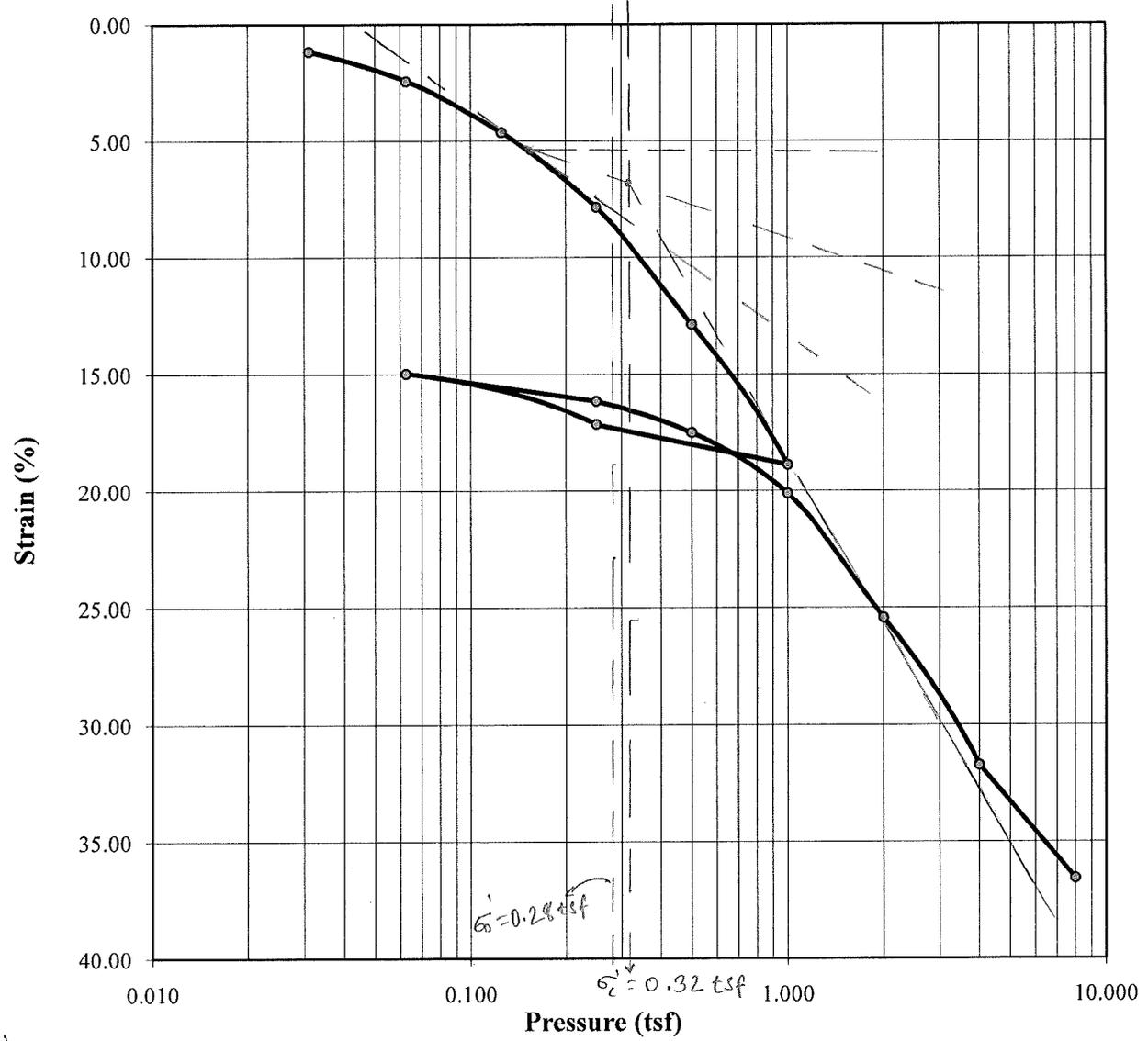
$$CR = \frac{0.6089}{2.2342} = 0.27$$

$$t_{90} C_v = 21.072 \text{ ft}^2/\text{yr} = 0.058 \text{ ft}^2/\text{day}$$

$$t_{50} C_v = 10.907 \text{ ft}^2/\text{yr} = 0.03 \text{ ft}^2/\text{day}$$

Consolidation Test

Test Results



$$\sigma'_0 = (101.4 - 62.4) \times 2 + (110.05 - 62.4) \times 2 + (115.736 - 62.4) \times 2 + (122.13 - 62.4) \times 4 + (110.97 - 62.4) \times 1$$

	Before	After	Liquid Limits:	86	Test Date:	16 June 11
Moisture (%):	63.33	37.44	Plastic Limits:	29		
Dry Density (pcf):	60.00	88.66	Plasticity Index (%):	57		
Saturation (%):	110.04	156.50				
Void Ratio:	1.2342	0.4171	Specific Gravity:	2.151	Measured	
Sample Description: Gray clay with organic matter (CH)						
Project Number:	16715-020-00		Depth:	14 - 16 feet		Remarks:
Sample Number:			Boring Number:	13		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

= 567.46 psf
= 0.284 tsf

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)
Location:
Job Number: 11-21

Project Number: 16715-020-00

Sample Number:
Boring Number: 13
Depth: 14 - 16 feet
Sample Type: Undisturbed

Sample Description:
 Gray clay with organic matter (CH)
Remarks:

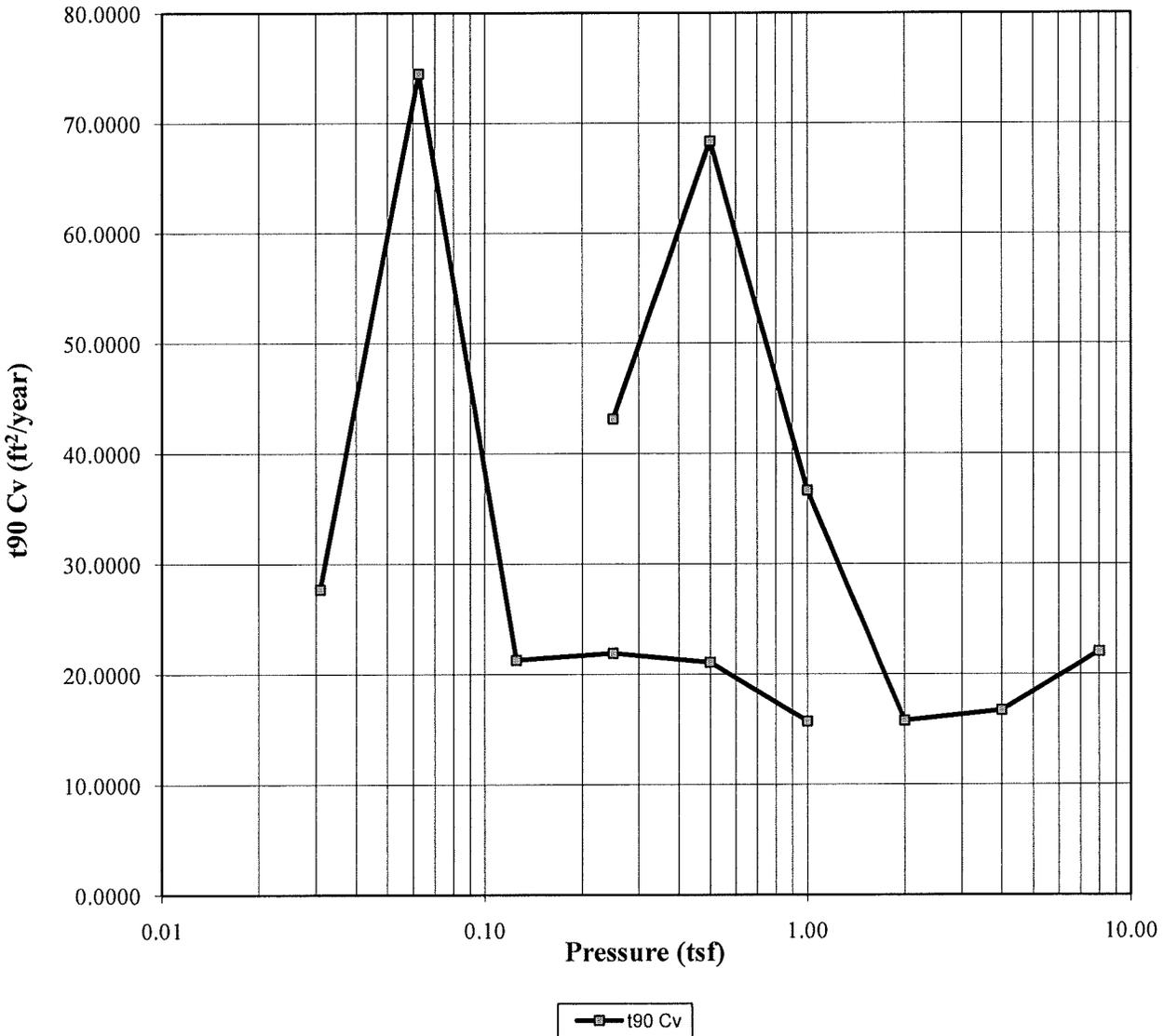
Test Number:
Test Date: 16 June 11

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft ² /year)	t50 Cv (ft ² /year)
0	0.000	0.0000	0.7500	0.4143	0.00	1.2339	0.000	0.000	0.000	0.000
1	0.031	0.0088	0.7412	0.4055	1.17	1.2077	15.356	3.308	27.683	29.857
2	0.063	0.0183	0.7317	0.3960	2.44	1.1794	5.563	7.986	74.478	12.052
3	0.125	0.0347	0.7153	0.3796	4.63	1.1306	18.605	16.603	21.280	5.540
4	0.250	0.0589	0.6911	0.3554	7.85	1.0585	16.876	7.881	21.900	10.894
5	0.500	0.0966	0.6534	0.3177	12.88	0.9462	15.678	7.037	21.072	10.907
6	1.000	0.1416	0.6084	0.2727	18.88	0.8122	18.219	5.642	15.721	11.793
7	0.250	0.1286	0.6214	0.2857	17.15	0.8509	0.000	0.000	0.000	0.000
8	0.063	0.1123	0.6377	0.3020	14.97	0.8994	0.000	0.000	0.000	0.000
9	0.250	0.1212	0.6288	0.2931	16.16	0.8729	7.091	2.720	43.145	26.127
10	0.500	0.1313	0.6187	0.2830	17.51	0.8428	4.333	2.824	68.362	24.364
11	1.000	0.1508	0.5992	0.2635	20.11	0.7848	7.578	3.209	36.662	20.116
12	2.000	0.1907	0.5593	0.2236	25.43	0.6659	15.352	6.589	15.767	8.534
13	4.000	0.2379	0.5121	0.1764	31.72	0.5253	12.137	6.776	16.720	6.957
14	8.000	0.2743	0.4757	0.1400	36.57	0.4169	7.941	5.961	22.051	6.824

Predicted value indicated with *

Consolidation Test

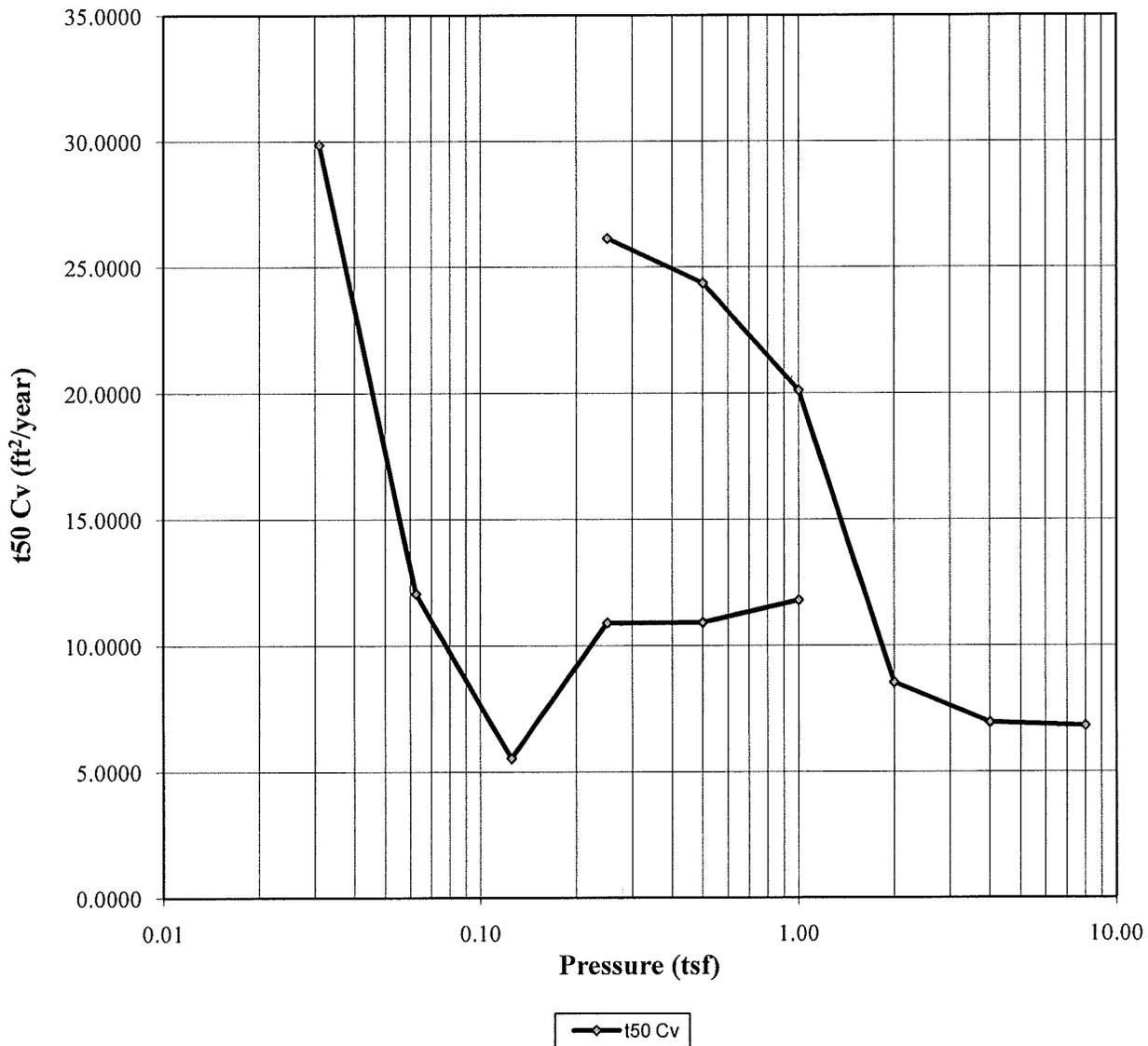
Test Results



	Before	After	Liquid Limits:	86	Test Date:	16 June 11
Moisture (%):	63.33	37.44	Plastic Limits:	29		
Dry Density (pcf):	60.00	88.66	Plasticity Index (%):	57		
Saturation (%):	110.04	156.50				
Void Ratio:	1.2342	0.4171	Specific Gravity:	2.151	Measured	
Soil Description: Gray clay with organic matter (CH)						
Project Number:	16715-020-00		Depth:	14 - 16 feet		Remarks:
Sample Number:	Boring Number: 13					
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test

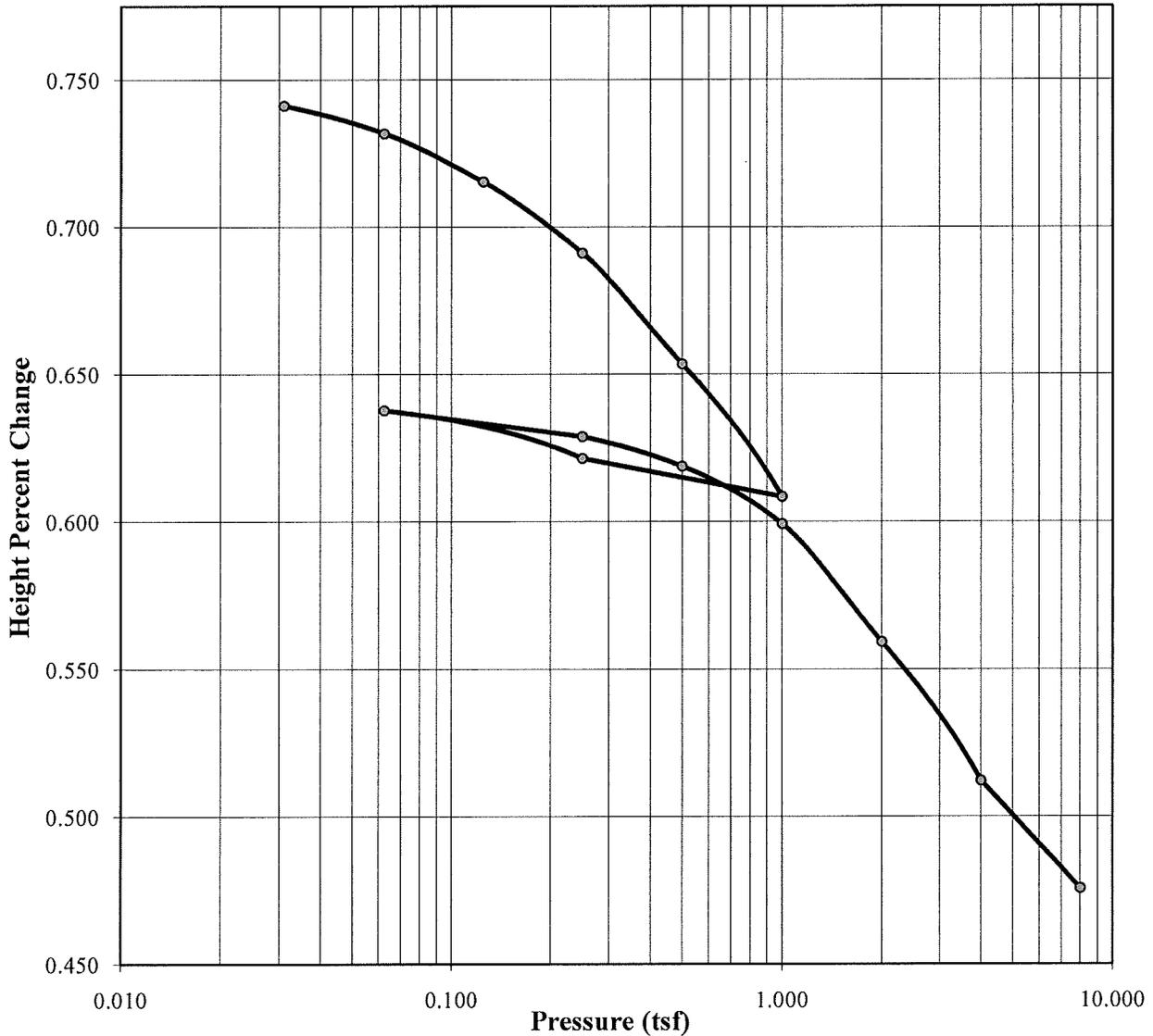
Test Results



	Before	After	Liquid Limits:	86	Test Date: 16 June 11
Moisture (%):	63.33	37.44	Plastic Limits:	29	
Dry Density (pcf):	60.00	88.66	Plasticity Index (%):	57	
Saturation (%):	110.04	156.50			
Void Ratio:	1.2342	0.4171	Specific Gravity:	2.151	Measured
Soil Description: Gray clay with organic matter (CH)					
Project Number:	16715-020-00		Depth:	14 - 16 feet	
Sample Number:			Boring Number:	13	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				
Client:	LA Office of Coastal Protection and Restoration				
Location:					
			Remarks:		

Consolidation Test

Test Results



	Before	After	Liquid Limits:	86	Test Date: 16 June 11
Moisture (%):	63.33	37.44	Plastic Limits:	29	
Dry Density (pcf):	60.00	88.66	Plasticity Index (%):	57	
Saturation (%):	110.04	156.50			
Void Ratio:	1.2342	0.4171	Specific Gravity:	2.151	Measured
Soil Description:	Gray clay with organic matter (CH)				
Project Number:	16715-020-00		Depth:	14 - 16 feet	
Sample Number:			Boring Number:	13	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				Remarks:
Client:	LA Office of Coastal Protection and Restoration				
Location:					

Consolidation Test

Consolidation Specimen Information

Project: LA DNR Lost Lake Marsh Creation (TE-72)

Project Number: 16715-020-00

Location:

Job Number: 11-21

Test Date: 16 June 11

Sample Number:

Boring Number: 13

Depth: 14 - 16 feet

Sample Type: Undisturbed

Sample Description:

Gray clay with organic matter (CH)

Remarks:

Test Number:

Liquid Limit: 86.0000

Plastic Limit: 29.0000

Specific Gravity: 2.1510

Measured

Initial Void Ratio: 1.2342

Plasticity Index (%): 57.0000

Weight of Ring (g): 220.0400

Initial Height (in): 0.7500

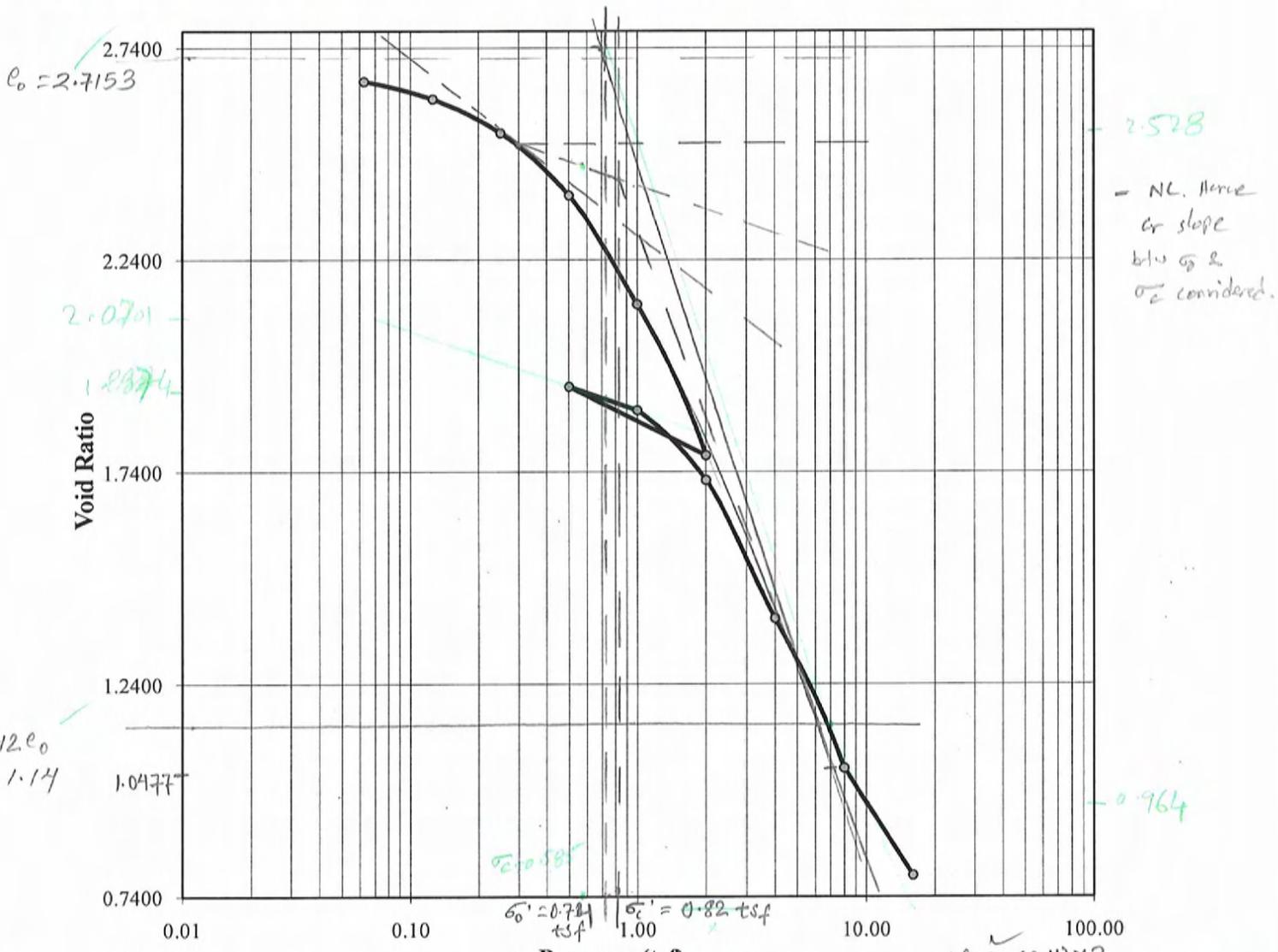
Initial Diameter (in): 2.5000

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	124.85	95.14
Dry Soil + Container (g)	87.04	75.37
Weight of Container (g)	27.34	22.56
Moisture Content (%)	63.33	37.44
Void Ratio	1.2342	0.4171
Saturation (%)	110.04	156.50
Dry Density (pcf)	60.00	88.66

26 ticks = 0.5
78 ticks = 0.5 (1"=60)

GEOENGINEERS

Consolidation Test Test Results



$$\sigma'_0 = (99.408 - 62.4) \times 2 + (110.357 - 62.4) \times 4 + (103.36 - 62.4) \times 4 + (112.07 - 62.4) \times 2 + (101.4 - 62.4) \times 2 + (103.03 - 62.4) \times 5$$

	Before	After	Liquid Limits:	119	Test Date:	9 June 11
Moisture (%):	104.49	46.00	Plastic Limits:	34		
Dry Density (pcf):	42.80	88.78	Plasticity Index (%):	84		
Saturation (%):	97.99	147.98				
Void Ratio:	2.7153	0.7918	Specific Gravity:	2.549	Measured	
Soil Description:	Clay with organic matter and wood (CH)					
Project Number:	16715-020-00	Depth:	37 - 39 feet	Remarks:		
Sample Number:		Boring Number:	14			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

+ (104.33 - 62.4) × 5
 + (113.47 - 62.4) × 5
 + (97.75 - 62.4) × 3
 = 1476.4 psf
 = 0.78 tsf
 0.74

$OCR \approx 1$
 $0.42 = 0.585 / 0.74 = 0.791$
 $2.528 - 1.564 = 1.564$
 $C_c = 2.7153 - 1.0477 = 1.6923$
 $CR = \frac{1.564}{3.7153} = 0.42$
 $C_n = 2.0701 - 1.8874 = 0.1827$

$t_{90} C_v = 12.863 \text{ ft}^2/\text{yr}$
 $= 0.035 \text{ ft}^2/\text{day}$
 $t_{50} C_v = \frac{6.667}{0.018} \text{ ft}^2/\text{yr}$
 $= 0.013 \text{ ft}^2/\text{day}$

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)

Project Number: 16715-020-00

Location:

Job Number: 11-21

Sample Number:

Sample Description:

Boring Number: 14

Clay with organic matter and wood (CH)

Depth: 37 - 39 feet

Remarks:

Sample Type: Undisturbed

Test Number:

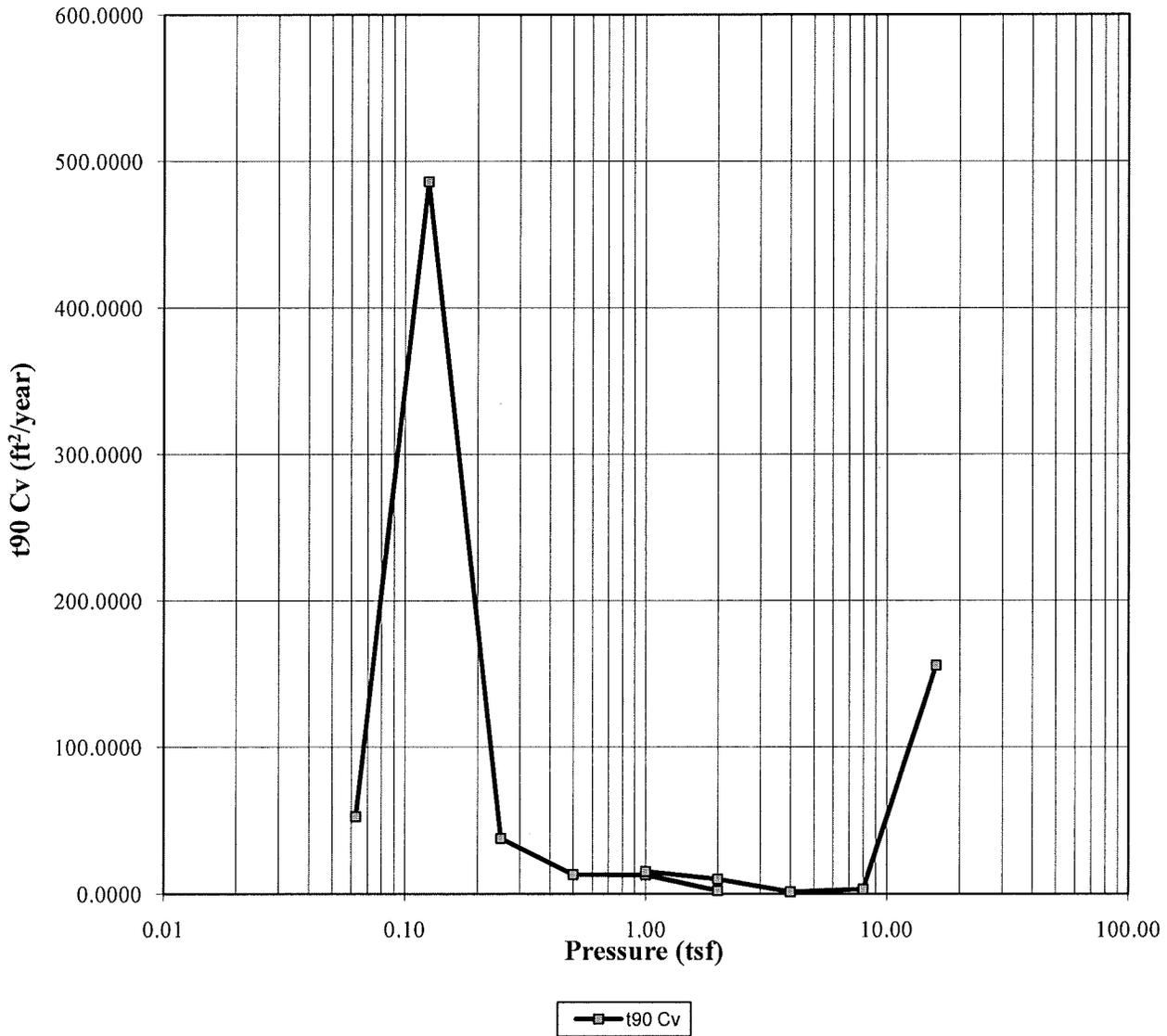
Test Date: 9 June 11

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft2/year)	t50 Cv (ft2/year)
0	0.000	0.0000	0.7500	0.5479	0.00	2.7114	0.000	0.000	0.000	0.000
1	0.063	0.0103	0.7397	0.5376	1.37	2.6604	8.049	1.189	52.605	82.735
2	0.125	0.0187	0.7313	0.5292	2.49	2.6188	0.852	3.368	485.969	28.545
3	0.250	0.0349	0.7151	0.5130	4.65	2.5387	10.528	10.674	37.587	8.612
4	0.500	0.0646	0.6854	0.4833	8.61	2.3917	27.684	9.823	13.131	8.597
5	1.000	0.1165	0.6335	0.4314	15.53	2.1349	24.143	14.648	12.863	4.925
6	2.000	0.1885	0.5615	0.3594	25.13	1.7786	110.108	20.669	2.216	2.742
7	0.500	0.1558	0.5942	0.3921	20.77	1.9404	0.000	0.000	0.000	0.000
8	1.000	0.1670	0.5830	0.3809	22.27	1.8850	17.199	7.780	15.292	7.854
9	2.000	0.2003	0.5497	0.3476	26.71	1.7202	23.391	13.316	9.996	4.079
10	4.000	0.2661	0.4839	0.2818	35.48	1.3946	130.412	26.165	1.389	1.609
11	8.000	0.3374	0.4126	0.2105	44.99	1.0417	42.332	32.374	3.112	0.945
12	16.000	0.3883	0.3617	0.1596	51.77	0.7899	0.651	28.877	155.631	0.814

Predicted value indicated with *

Consolidation Test

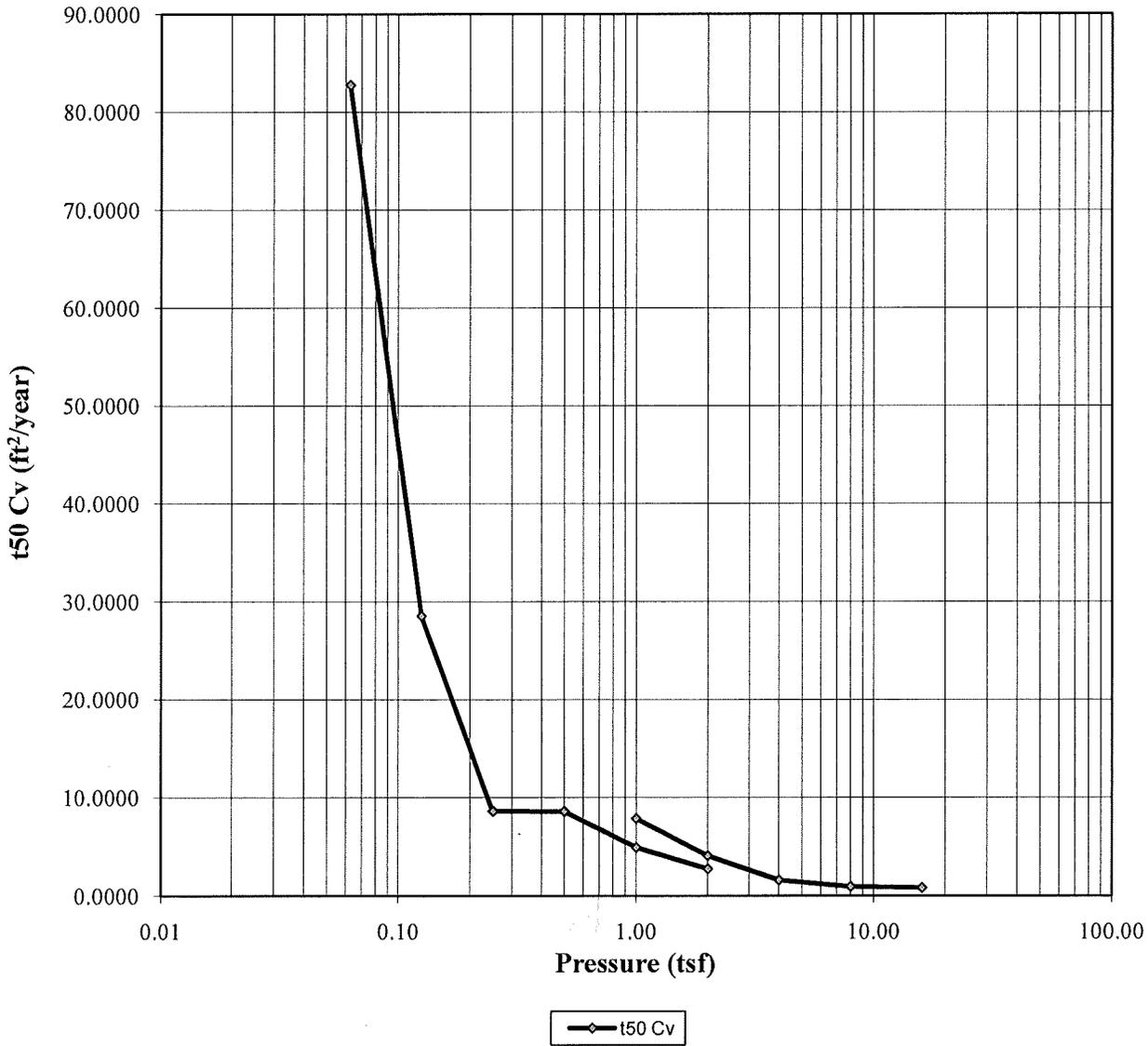
Test Results



	Before	After	Liquid Limits:	119	Test Date:	9 June 11
Moisture (%):	104.49	46.00	Plastic Limits:	34		
Dry Density (pcf):	42.80	88.78	Plasticity Index (%):	84		
Saturation (%):	97.99	147.98				
Void Ratio:	2.7153	0.7918	Specific Gravity:	2.549	Measured	
Soil Description:	Clay with organic matter and wood (CH)					
Project Number:	16715-020-00		Depth:	37 - 39 feet		
Sample Number:			Boring Number:	14		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					Remarks:
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test

Test Results



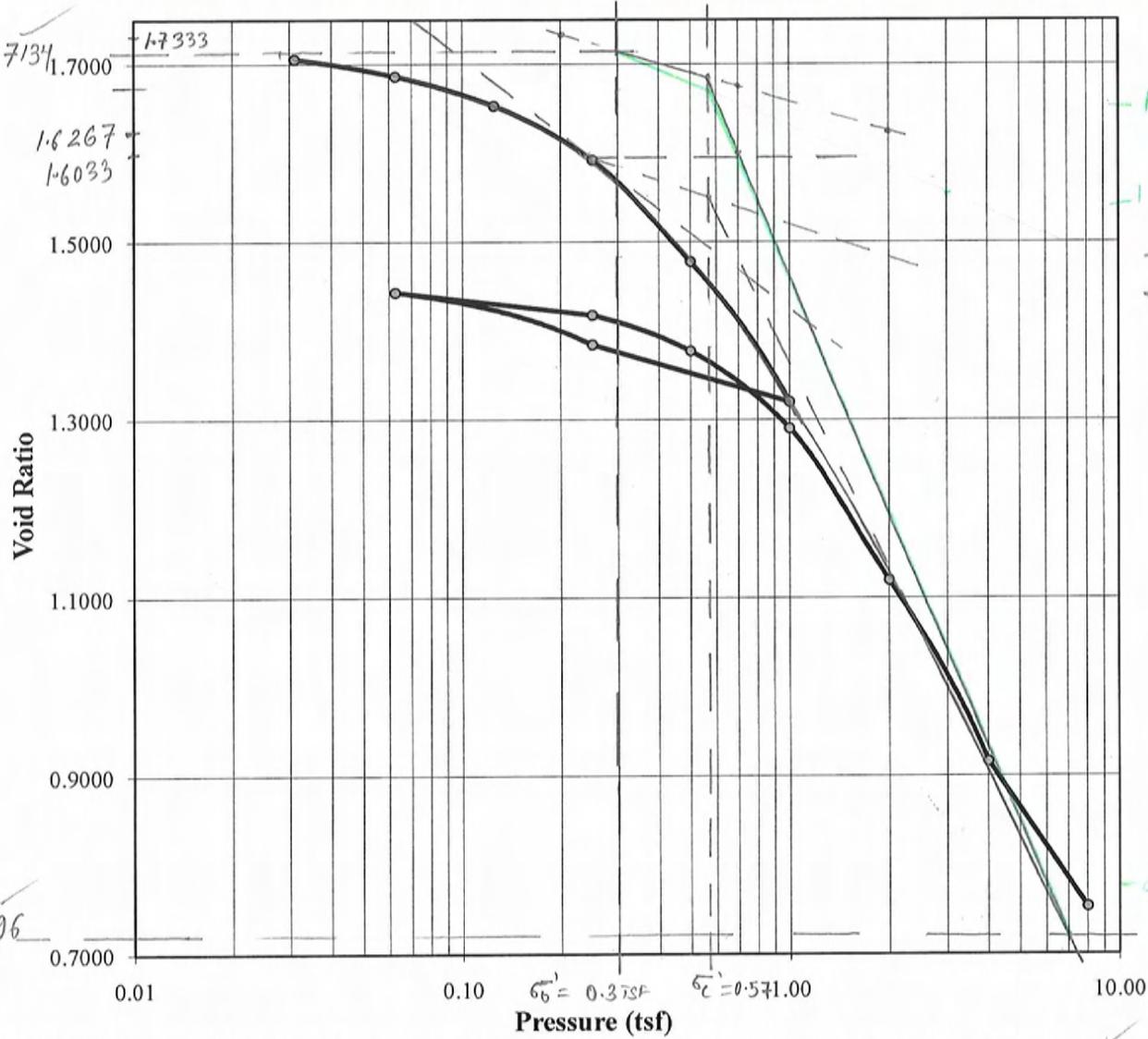
	Before	After	Liquid Limits:	119	Test Date: 9 June 11
Moisture (%):	104.49	46.00	Plastic Limits:	34	
Dry Density (pcf):	42.80	88.78	Plasticity Index (%):	84	
Saturation (%):	97.99	147.98			
Void Ratio:	2.7153	0.7918	Specific Gravity:	2.549	Measured
Soil Description: Clay with organic matter and wood (CH)					
Project Number:	16715-020-00		Depth:	37 - 39 feet	
Sample Number:			Boring Number:	14	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				
Client:	LA Office of Coastal Protection and Restoration				
Location:					

33 tests = 10

30 ticks = 0.2
1" = 60 (50.5 ticks = 0.2)

GEOENGINEERS

Consolidation Test Test Results



$e_0 = 1.7134$

$\sigma_b' = (116 - 62.4) \times 2 + (100.2 - 62.4) \times 2 + (98.2 - 62.4) \times 2 + (100.8 - 62.4) \times 9 = 600 \text{ psf} = 0.375F$

	Before	After	Liquid Limits:	86	Test Date:	24 June 11
Moisture (%):	65.08	20.95	Plastic Limits:	29		
Dry Density (pcf):	60.67	100.51	Plasticity Index (%):	57		
Saturation (%):	100.17	86.66				
Void Ratio:	1.7134	0.7565	Specific Gravity:	2.636	Measured	
Soil Description:	Clay (CH)					
Project Number:	16715-020-00	Depth:	27 - 29 feet	Remarks:		
Sample Number:		Boring Number:	15			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

$C_c = 1.6033 - 0.7196 = 0.8837$

$CR = \frac{0.8837}{2.7134} = 0.3257$

$C_r = 1.7333 - 1.6267 = 0.1066$

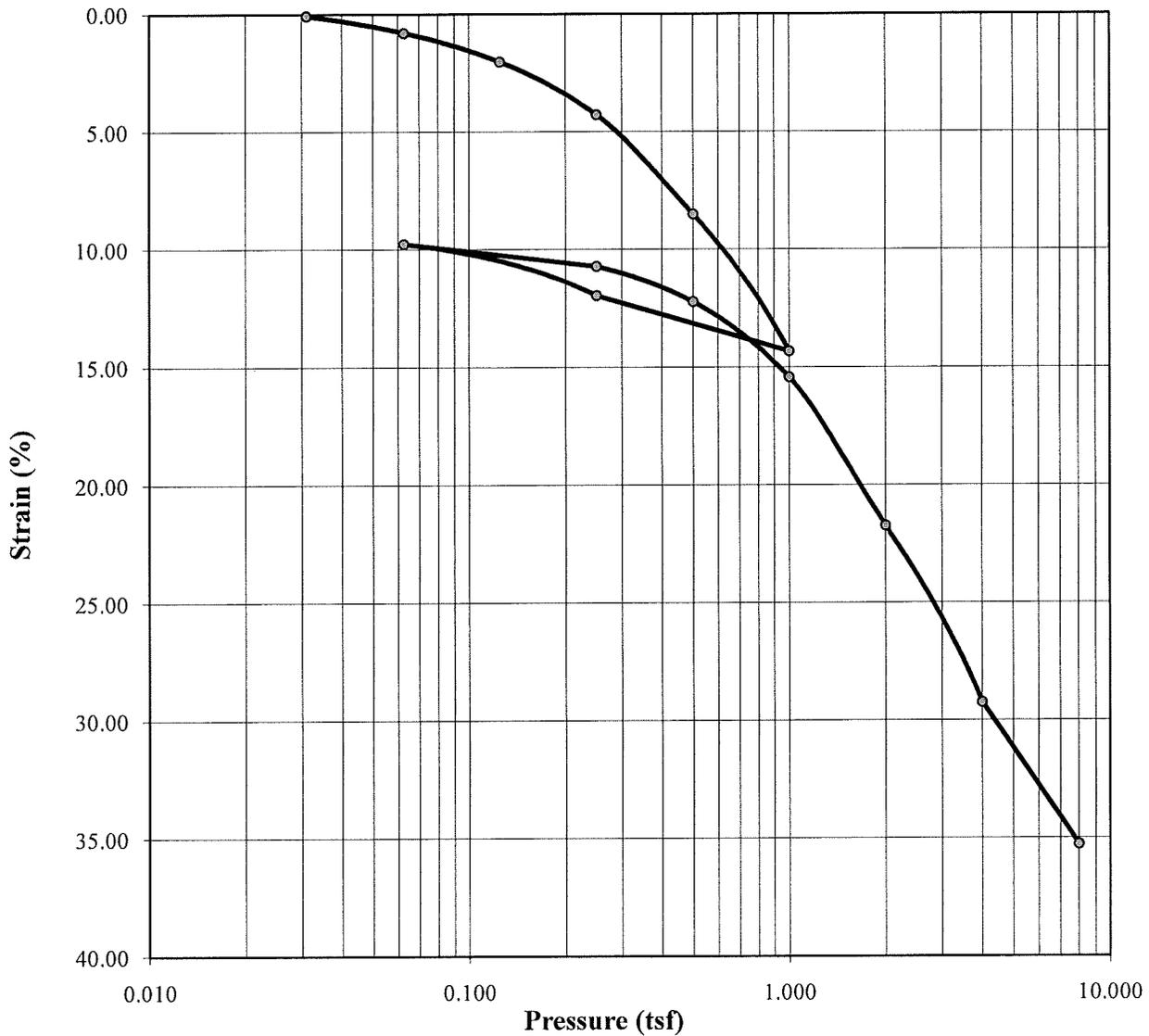
$RR = \frac{0.1066}{2.7134} = 0.0393$

$t_{90} C_v = 8.757 \text{ ft}^2/\text{yr} = 0.024 \text{ ft}^2/\text{day}$

$t_{50} C_v = 5.756 \text{ ft}^2/\text{yr} = 0.016 \text{ ft}^2/\text{day}$

Consolidation Test

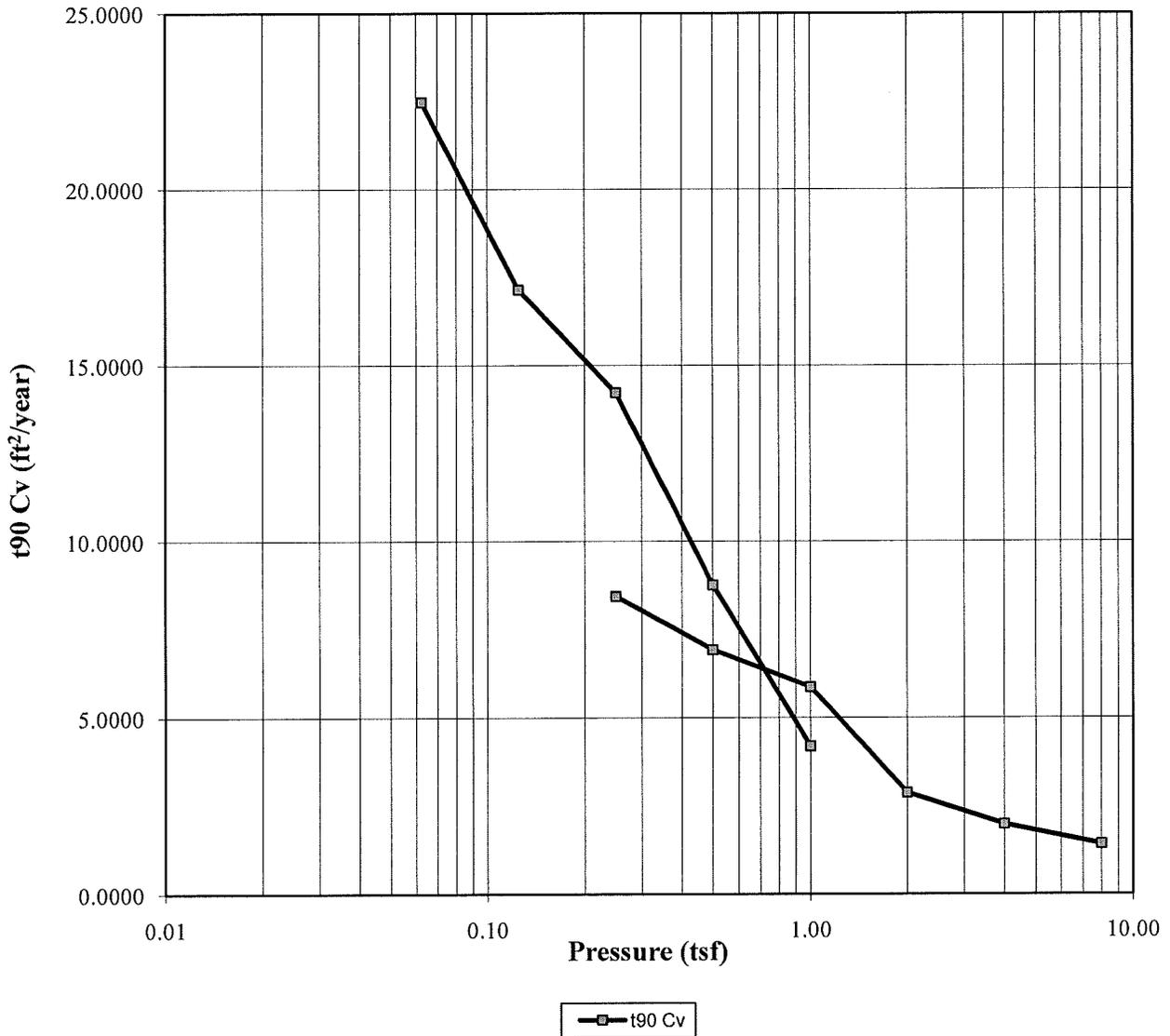
Test Results



	Before	After	Liquid Limits:	86	Test Date: 24 June 11
Moisture (%):	65.08	20.95	Plastic Limits:	29	
Dry Density (pcf):	60.67	100.51	Plasticity Index (%):	57	
Saturation (%):	100.17	86.66			
Void Ratio:	1.7134	0.7565	Specific Gravity:	2.636	Measured
Sample Description:		Clay (CH)			
Project Number:	16715-020-00		Depth:	27 - 29 feet	
Sample Number:			Boring Number:	15	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				
Client:	LA Office of Coastal Protection and Restoration				
Location:					
			Remarks:		

Consolidation Test

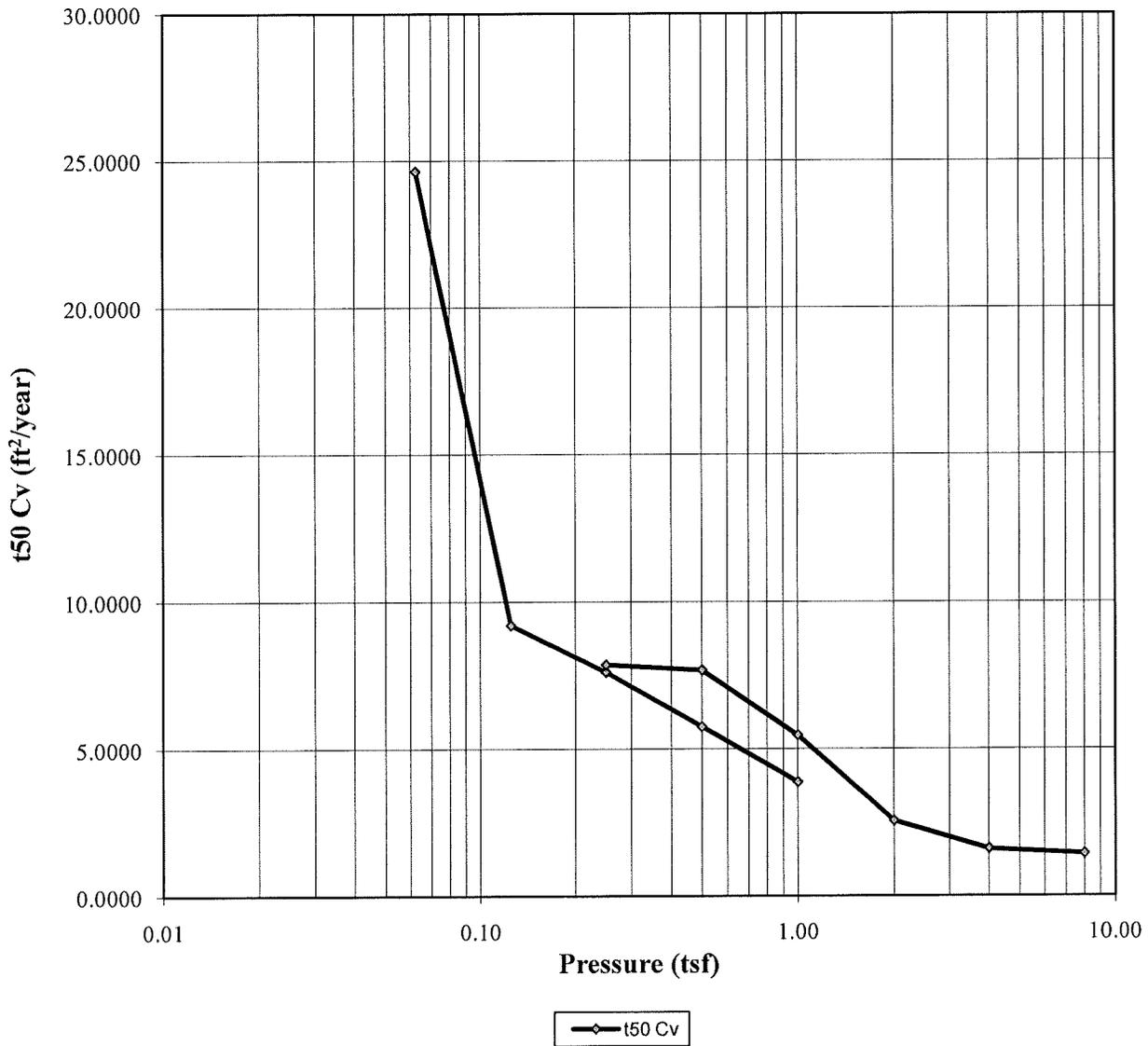
Test Results



	Before	After	Liquid Limits:	86	Test Date: 24 June 11
Moisture (%):	65.08	20.95	Plastic Limits:	29	
Dry Density (pcf):	60.67	100.51	Plasticity Index (%):	57	
Saturation (%):	100.17	86.66			
Void Ratio:	1.7134	0.7565	Specific Gravity:	2.636	Measured
Soil Description:	Clay (CH)				
Project Number:	16715-020-00		Depth:	27 - 29 feet	
Sample Number:			Boring Number:	15	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				
Client:	LA Office of Coastal Protection and Restoration				
Location:					
			Remarks:		

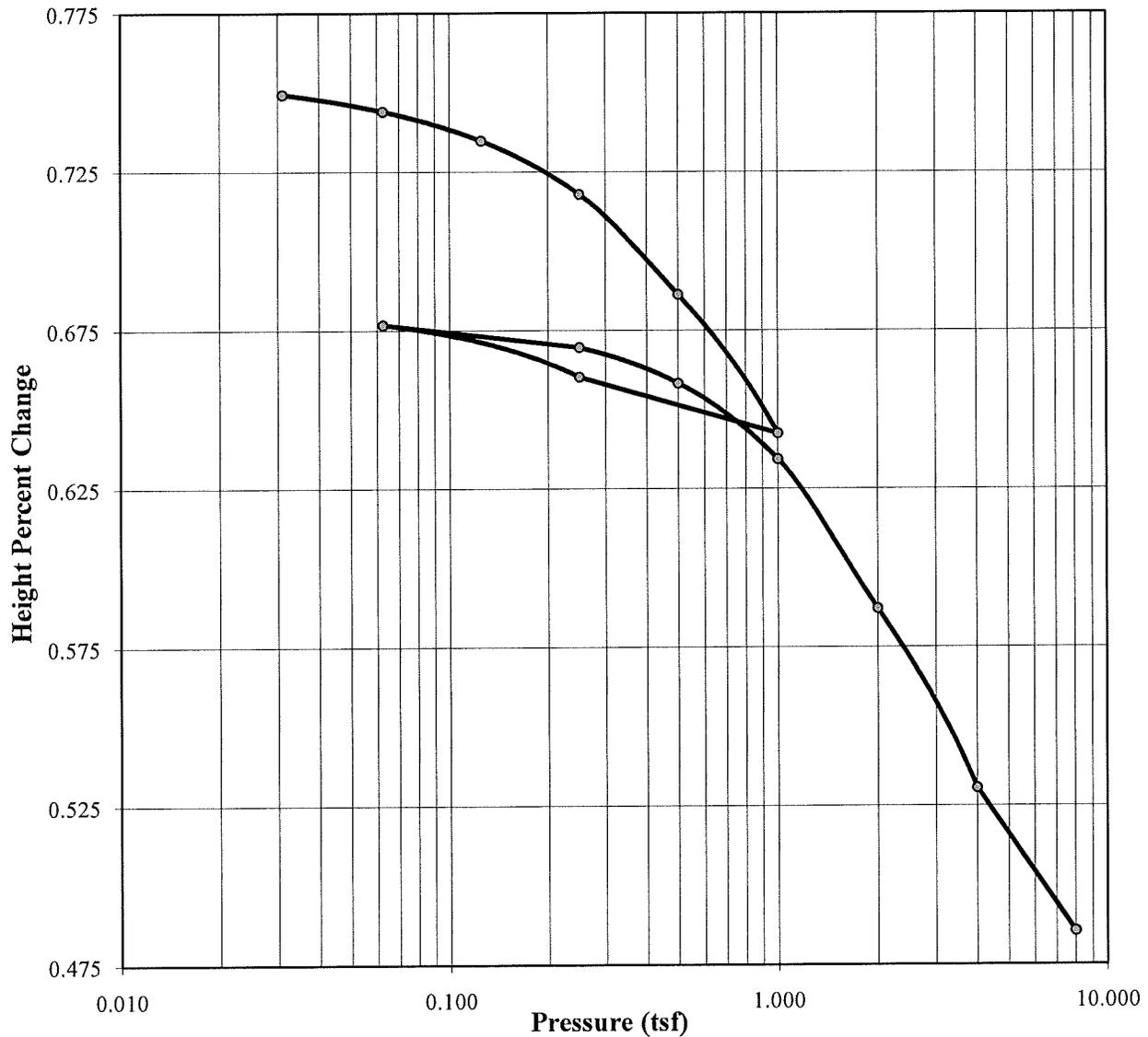
Consolidation Test

Test Results



	Before	After	Liquid Limits:	86	Test Date: 24 June 11
Moisture (%):	65.08	20.95	Plastic Limits:	29	
Dry Density (pcf):	60.67	100.51	Plasticity Index (%):	57	
Saturation (%):	100.17	86.66			
Void Ratio:	1.7134	0.7565	Specific Gravity:	2.636	Measured
Soil Description:	Clay (CH)				
Project Number:	16715-020-00		Depth:	27 - 29 feet	
Sample Number:			Boring Number:	15	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				
Client:	LA Office of Coastal Protection and Restoration				
Location:					
			Remarks:		

Consolidation Test Test Results



	Before	After	Liquid Limits:	86	Test Date:	24 June 11
Moisture (%):	65.08	20.95	Plastic Limits:	29		
Dry Density (pcf):	60.67	100.51	Plasticity Index (%):	57		
Saturation (%):	100.17	86.66				
Void Ratio:	1.7134	0.7565	Specific Gravity:	2.636	Measured	
Soil Description:	Clay (CH)					
Project Number:	16715-020-00		Depth:	27 - 29 feet		
Sample Number:			Boring Number:	15		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						
				Remarks:		



**Consolidation Test Results
Summary**

Project: LA DNR Lost Lake Marsh Creation (TE-72)

Project Number: 16715-020-00

Location:

Job Number: 11-21

Sample Number:

Sample Description:

Boring Number: 15

Clay (CH)

Depth: 27 - 29 feet

Remarks:

Test Number:

Sample Type: Undisturbed

Test Date: 24 June 11

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft2/year)	t50 Cv (ft2/year)
0	0.000	0.0000	0.7500	0.4730	0.00	1.7078	0.000	0.000	0.000	0.000
1	0.031	0.0006	0.7494	0.4724	0.08	1.7056	0.000	0.000	0.000	0.000
2	0.063	0.0060	0.7440	0.4670	0.80	1.6861	19.055	4.039	22.478	24.639
3	0.125	0.0152	0.7348	0.4578	2.03	1.6529	24.373	10.547	17.142	9.202
4	0.250	0.0321	0.7179	0.4409	4.28	1.5919	28.020	12.179	14.233	7.607
5	0.500	0.0638	0.6862	0.4092	8.51	1.4774	41.606	14.705	8.757	5.756
6	1.000	0.1075	0.6425	0.3655	14.33	1.3197	76.284	19.173	4.187	3.870
7	0.250	0.0897	0.6603	0.3833	11.96	1.3839	0.000	0.000	0.000	0.000
8	0.063	0.0733	0.6767	0.3997	9.77	1.4431	0.000	0.000	0.000	0.000
9	0.250	0.0804	0.6696	0.3926	10.72	1.4175	41.085	10.253	8.445	7.861
10	0.500	0.0917	0.6583	0.3813	12.23	1.3767	48.465	10.148	6.919	7.677
11	1.000	0.1157	0.6343	0.3573	15.43	1.2901	53.098	13.246	5.863	5.460
12	2.000	0.1629	0.5871	0.3101	21.72	1.1197	93.003	24.322	2.868	2.548
13	4.000	0.2194	0.5306	0.2536	29.25	0.9157	109.862	31.737	1.983	1.595
14	8.000	0.2645	0.4855	0.2085	35.27	0.7528	128.817	29.710	1.416	1.426

Predicted value indicated with *

Consolidation Test

Consolidation Specimen Information

Project: LA DNR Lost Lake Marsh Creation (TE-72)

Project Number: 16715-020-00

Location:

Job Number: 11-21

Test Date: 24 June 11

Sample Number:

Sample Description:

Boring Number: 15

Clay (CH)

Depth: 27 - 29 feet

Remarks:

Sample Type: Undisturbed

Test Number:

Liquid Limit: 86.0000

Initial Void Ratio: 1.7134

Initial Height (in): 0.7500

Plastic Limit: 29.0000

Plasticity Index (%): 57.0000

Initial Diameter (in): 2.5000

Specific Gravity: 2.6360
Measured

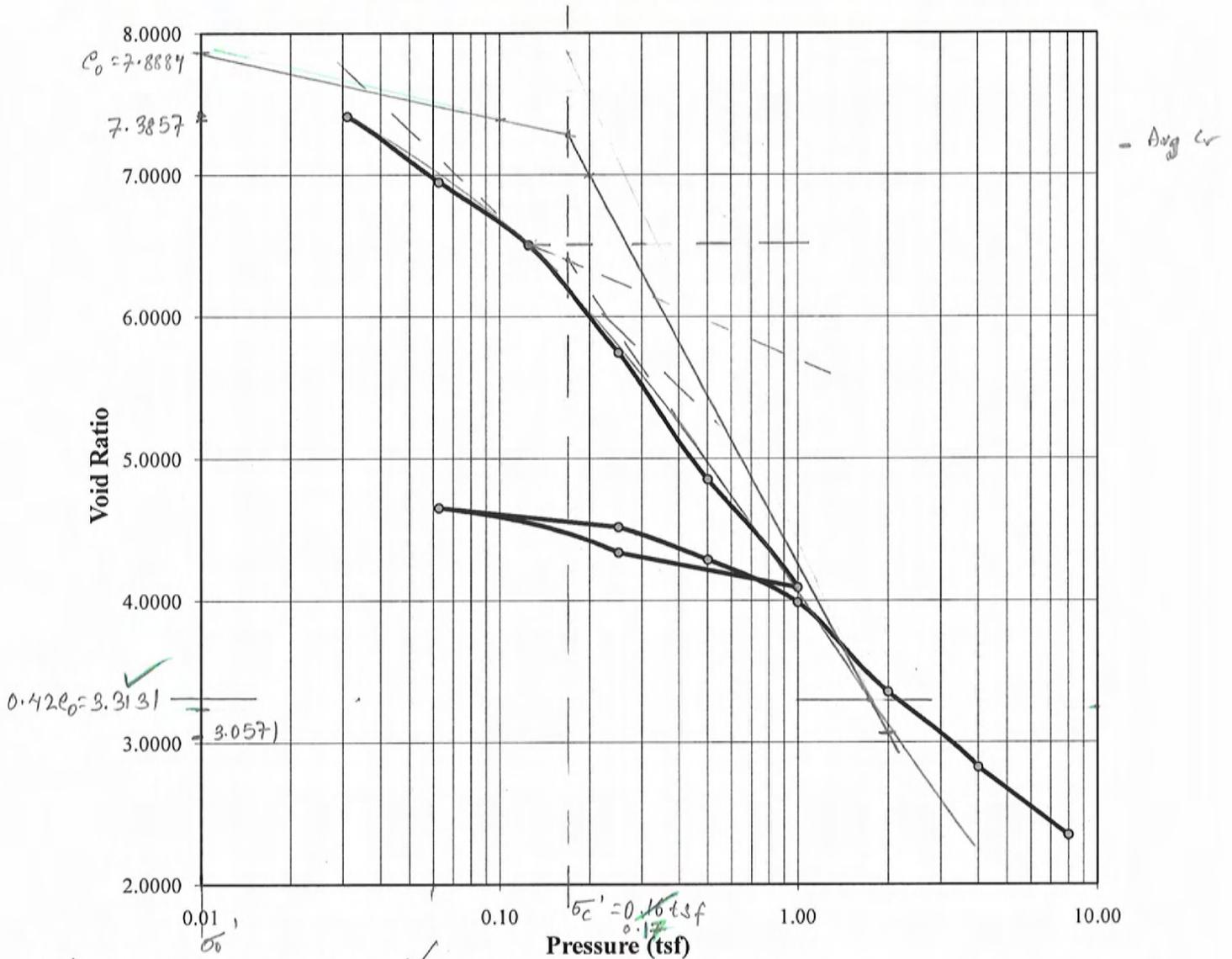
Weight of Ring (g): 106.7000

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	111.08	94.82
Dry Soil + Container (g)	78.05	81.74
Weight of Container (g)	27.30	19.31
Moisture Content (%)	65.08	20.95
Void Ratio	1.7134	0.7565
Saturation (%)	100.17	86.66
Dry Density (pcf)	60.67	100.51

35 ticks = 1.00
 55 ticks = 1 (1" = 60)

GEOENGINEERS

Consolidation Test Test Results



$\sigma'_0 = (82.215 - 62.4) \times 1 = 19.815 \text{ PSF} \approx 0.01 \text{ tsf}$

	Before	After	Liquid Limits:	215	Test Date:	15 June 2011
Moisture (%):	349.48	70.22	Plastic Limits:	90		
Dry Density (pcf):	15.92	47.11	Plasticity Index (%):	125		
Saturation (%):	100.41	79.38				
Void Ratio:	7.8884	2.3468	Specific Gravity:	2.270	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00	Depth:	4 - 6 feet			
Sample Number:		Boring Number:	16			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

$OCR = \frac{0.16}{0.01} = 16.17$

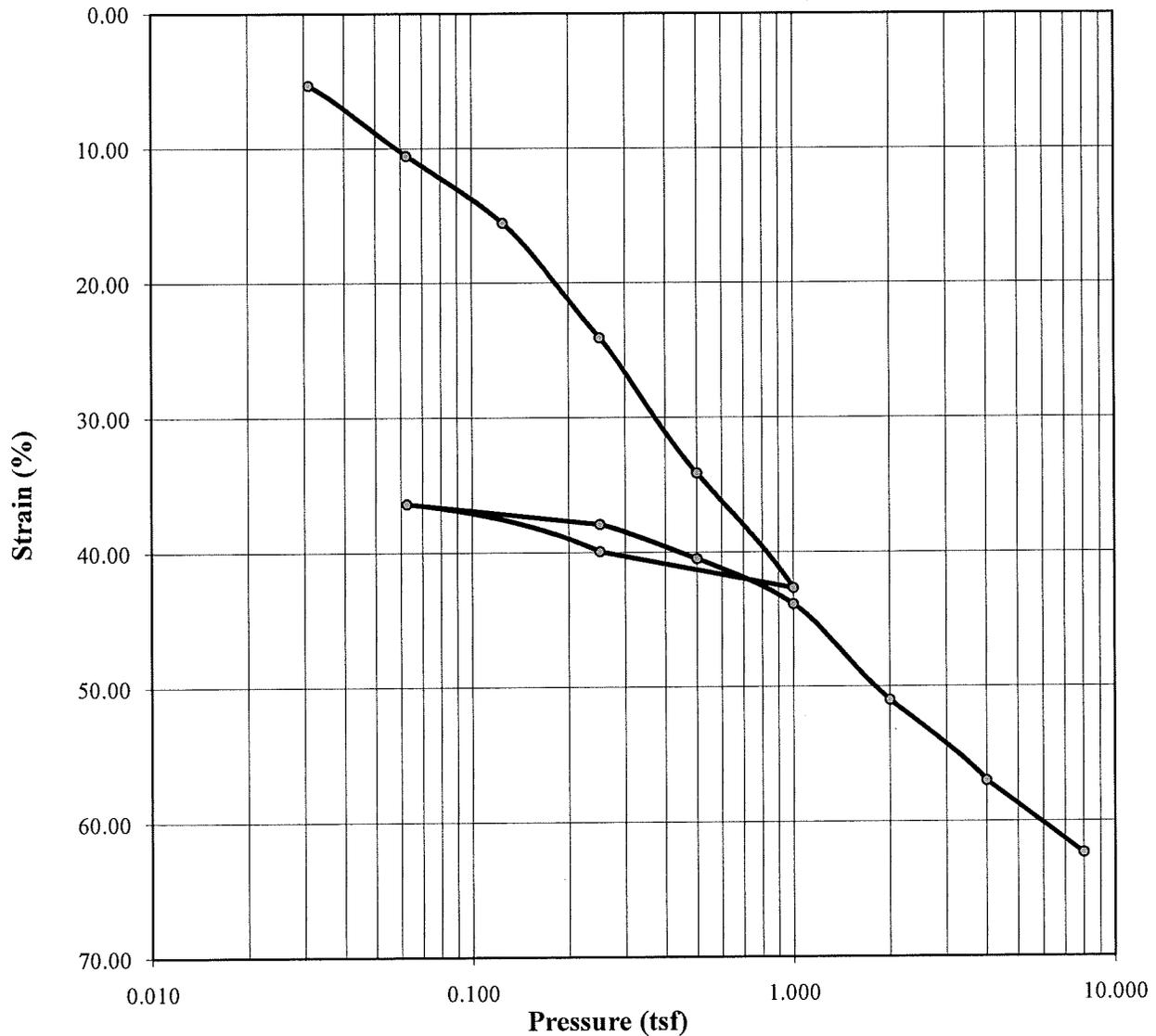
$C_c = 7 - 3.0571 = 3.9429 \Rightarrow CR = \frac{3.9429}{8.8884} = 0.4436$

$C_r = 7.8884 - 7.3857 = 0.5027 \Rightarrow RR = \frac{0.5027}{8.8884} = 0.057$

$t_{90} C_v = 5.467 \times 6.651 \text{ ft}^2/\text{yr} = 0.018 \text{ ft}^2/\text{day}$
 $t_{50} C_v = 3.682 \text{ ft}^2/\text{yr} = 0.01 \text{ ft}^2/\text{day}$

Consolidation Test

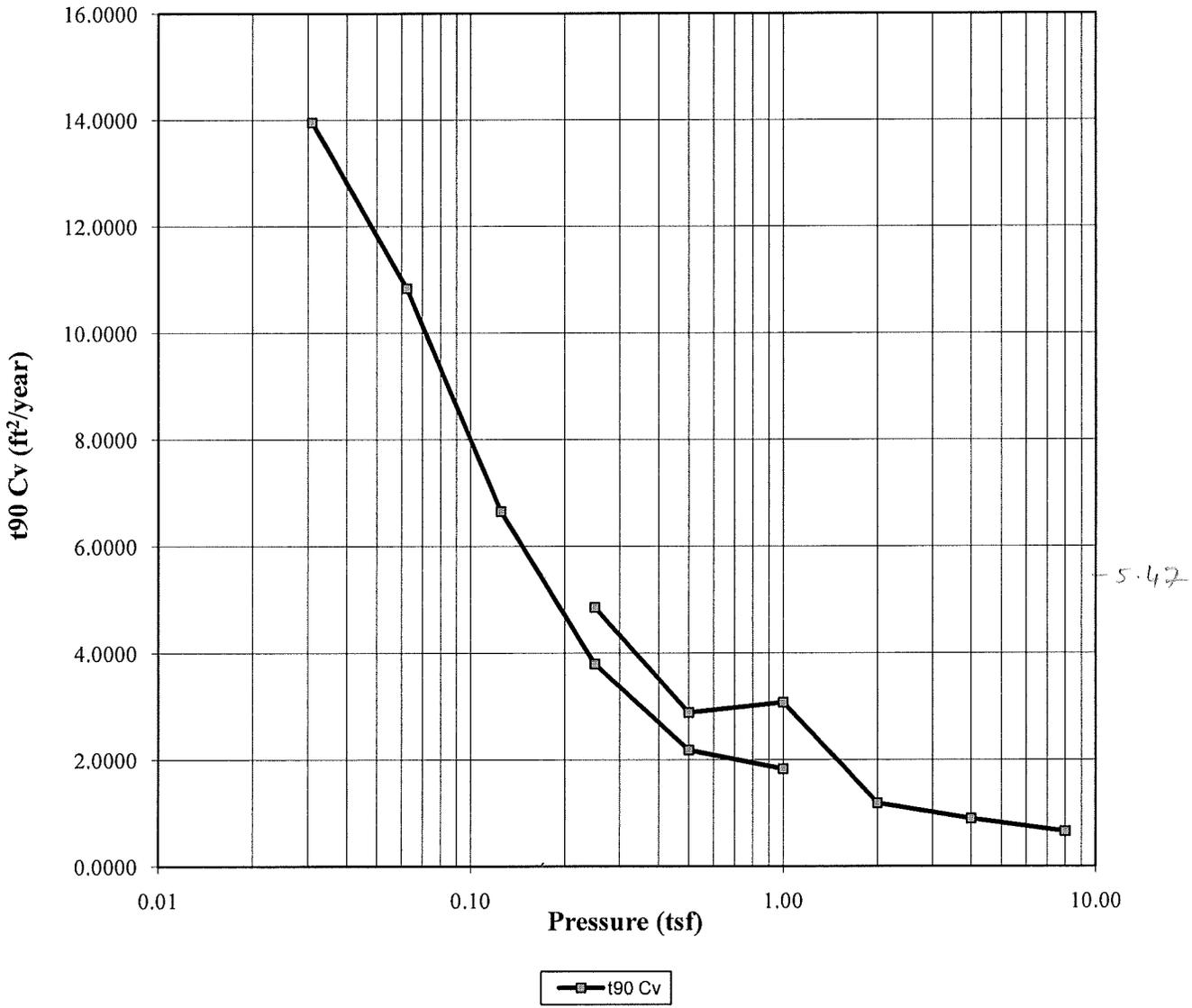
Test Results



	Before	After	Liquid Limits:	215	Test Date: 15 June 2011
Moisture (%):	349.48	70.22	Plastic Limits:	90	
Dry Density (pcf):	15.92	47.11	Plasticity Index (%):	125	
Saturation (%):	100.41	79.38			
Void Ratio:	7.8884	2.3468	Specific Gravity:	2.270	Measured
Sample Description: Peat (PT)					
Project Number:	16715-020-00		Depth:	4 - 6 feet	
Sample Number:			Boring Number:	16	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				
Client:	LA Office of Coastal Protection and Restoration				
Location:					
					Remarks:



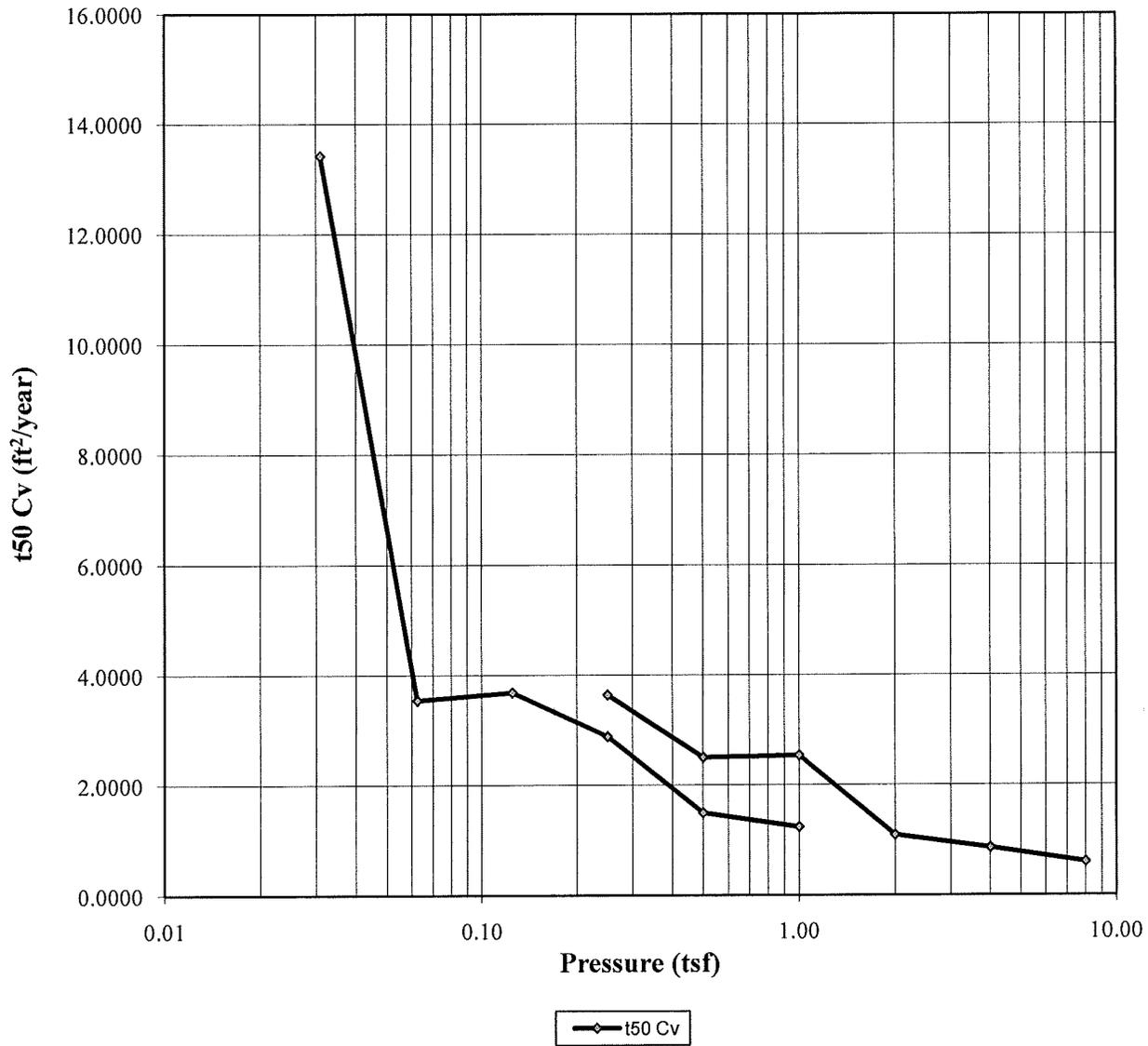
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	215	Test Date:	15 June 2011
Moisture (%):	349.48	70.22	Plastic Limits:	90		
Dry Density (pcf):	15.92	47.11	Plasticity Index (%):	125		
Saturation (%):	100.41	79.38				
Void Ratio:	7.8884	2.3468	Specific Gravity:	2.270	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00		Depth:	4 - 6 feet		
Sample Number:			Boring Number:	16		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						
						Remarks:



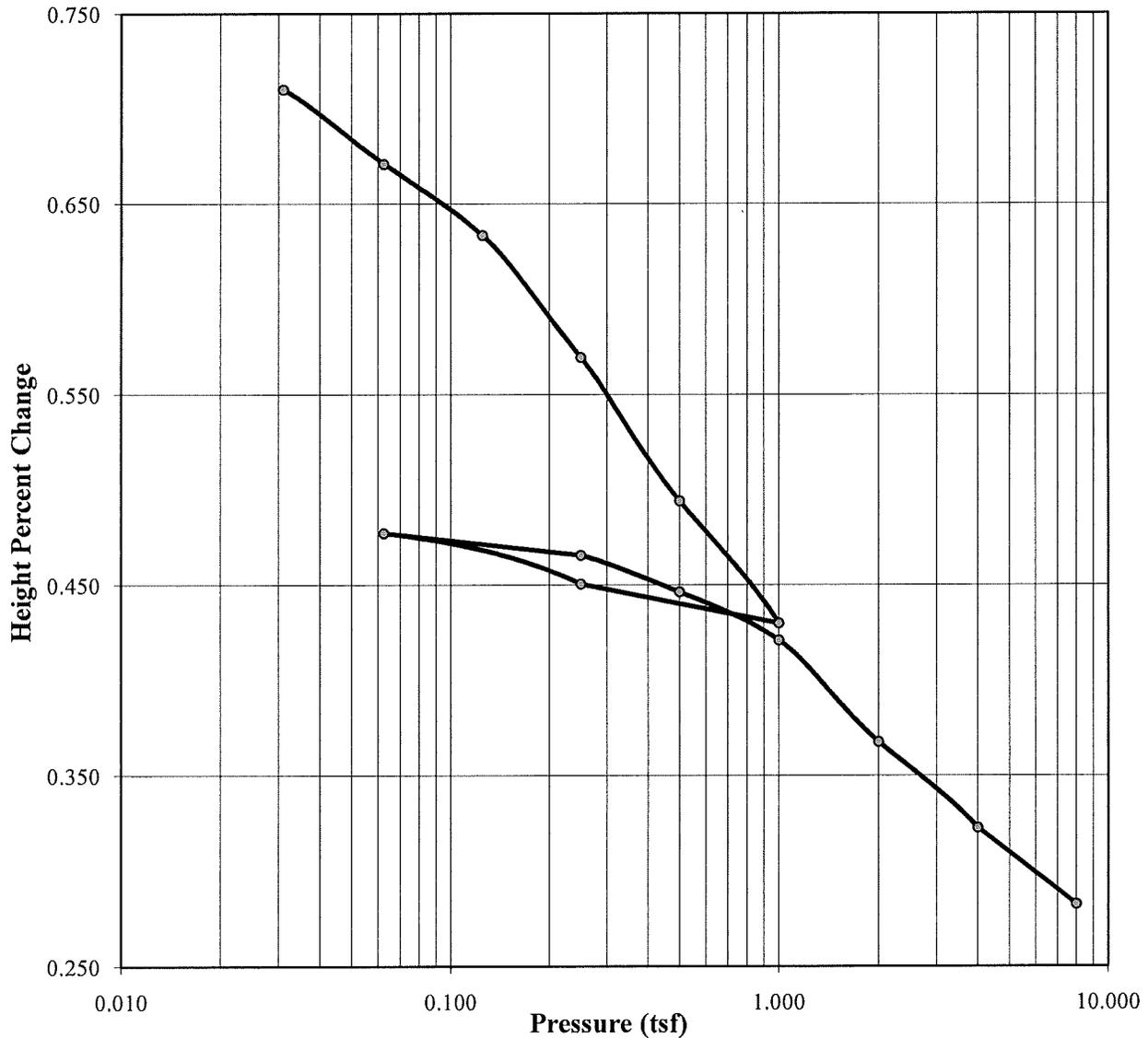
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	215	Test Date:	15 June 2011
Moisture (%):	349.48	70.22	Plastic Limits:	90		
Dry Density (pcf):	15.92	47.11	Plasticity Index (%):	125		
Saturation (%):	100.41	79.38				
Void Ratio:	7.8884	2.3468	Specific Gravity:	2.270	Measured	
Soil Description:	Peat (PT)					
Project Number:	16715-020-00		Depth:	4 - 6 feet		
Sample Number:			Boring Number:	16		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						
						Remarks:

Consolidation Test

Test Results



	Before	After	Liquid Limits:	215	Test Date: 15 June 2011
Moisture (%):	349.48	70.22	Plastic Limits:	90	
Dry Density (pcf):	15.92	47.11	Plasticity Index (%):	125	
Saturation (%):	100.41	79.38			
Void Ratio:	7.8884	2.3468	Specific Gravity:	2.270	Measured
Soil Description:	Peat (PT)				
Project Number:	16715-020-00		Depth:	4 - 6 feet	
Sample Number:			Boring Number:	16	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				
Client:	LA Office of Coastal Protection and Restoration				
Location:					
			Remarks:		

Consolidation Test Results Summary

Project: LA DNR Lost Lake Marsh Creation (TE-72)

Project Number: 16715-020-00

Location:

Job Number: 11-21

Sample Number:

Sample Description:

Boring Number: 16

Peat (PT)

Depth: 4 - 6 feet

Remarks:

Test Number:

Sample Type: Undisturbed

Test Date: 15 June 2011

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft ² /year)	t50 Cv (ft ² /year)
0	0.000	0.0000	0.7500	0.6656	0.00	7.8847	0.000	0.000	0.000	0.000
1	0.031	0.0400	0.7100	0.6256	5.33	7.4108	27.961	6.754	13.950	13.418
2	0.063	0.0792	0.6708	0.5864	10.56	6.9464	32.148	22.837	10.831	3.542
3	0.125	0.1166	0.6334	0.5490	15.55	6.5034	46.676	19.587	6.651	3.682
4	0.250	0.1806	0.5694	0.4850	24.08	5.7452	66.080	20.243	3.797	2.879
5	0.500	0.2560	0.4940	0.4096	34.13	4.8520	86.630	29.359	2.180	1.494
6	1.000	0.3201	0.4299	0.3455	42.68	4.0927	78.165	26.872	1.830	1.236
7	0.250	0.2995	0.4505	0.3661	39.93	4.3367	0.000	0.000	0.000	0.000
8	0.063	0.2729	0.4771	0.3927	36.39	4.6518	0.000	0.000	0.000	0.000
9	0.250	0.2844	0.4656	0.3812	37.92	4.5156	34.546	10.716	4.856	3.636
10	0.500	0.3037	0.4463	0.3619	40.49	4.2870	53.375	14.335	2.888	2.498
11	1.000	0.3291	0.4209	0.3365	43.88	3.9861	44.557	12.592	3.077	2.529
12	2.000	0.3824	0.3676	0.2832	50.99	3.3547	88.139	22.279	1.186	1.090
13	4.000	0.4274	0.3226	0.2382	56.99	2.8216	89.615	21.770	0.899	0.859
14	8.000	0.4676	0.2824	0.1980	62.35	2.3454	93.917	23.770	0.657	0.603

Predicted value indicated with *

Consolidation Test

Consolidation Specimen Information

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00

Location:

Job Number: 11-21

Test Date: 15 June 2011

Sample Number:

Sample Description:

Boring Number: 16

Peat (PT)

Depth: 4 - 6 feet

Remarks:

Sample Type: Undisturbed

Test Number:

Liquid Limit: 215.0000

Initial Void Ratio: 7.8884

Initial Height (in): 0.7500

Plastic Limit: 90.0000

Plasticity Index (%): 125.0000

Initial Diameter (in): 2.5000

Specific Gravity: 2.2700

Weight of Ring (g): 106.7200

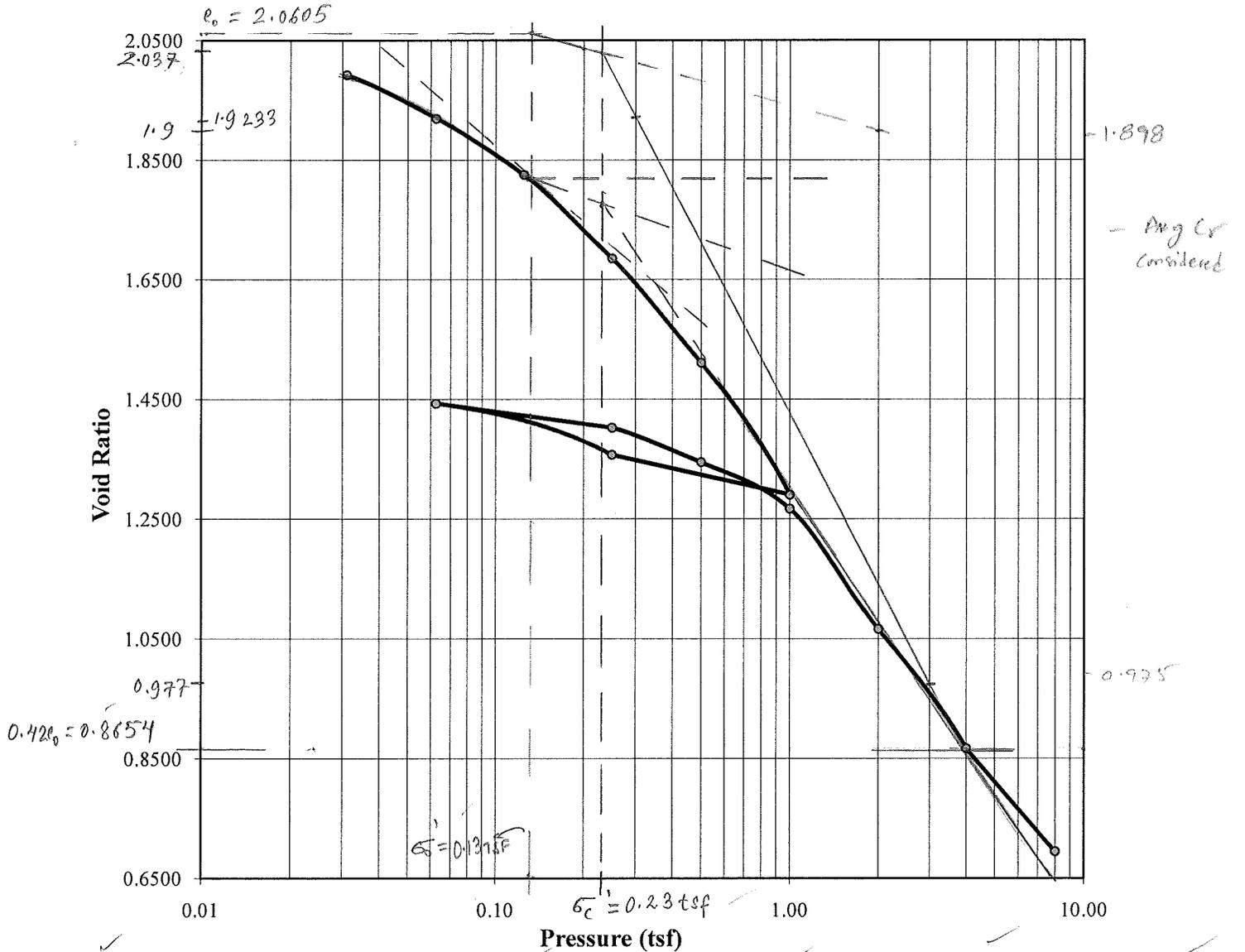
Measured

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	103.91	39.83
Dry Soil + Container (g)	40.62	28.89
Weight of Container (g)	22.51	13.31
Moisture Content (%)	349.48	70.22
Void Ratio	7.8884	2.3468
Saturation (%)	100.41	79.38
Dry Density (pcf)	15.92	47.11

15 ticks = 0.2
 45.5 ticks = 0.2 (1" = 60 ticks)

GEOENGINEERS

Consolidation Test Test Results



$$\sigma'_c = (93.52 - 62.4) \times 2 + (96.16 - 62.4) \times 2 + (101.23 - 62.4) \times 2 + (114.11 - 62.4) \times 1 = 259.13 \text{ psf} = 0.137 \text{ tsf}$$

	Before	After	Liquid Limits:	75	Test Date:	16 June 11
Moisture (%):	75.22	37.77	Plastic Limits:	28		
Dry Density (pcf):	52.57	87.19	Plasticity Index (%):	46		
Saturation (%):	94.00	114.91				
Void Ratio:	2.0605	0.6947	Specific Gravity:	2.582	Measured	
Soil Description:	Clay with organic matter (CH)					
Project Number:	16715-020-00		Depth:	9 - 11 feet		
Sample Number:			Boring Number:	17		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

$$OCR = \frac{0.23}{0.13} = 1.77$$

$$C_r = 2.037 - 1.9 = 0.137 \Rightarrow RR = \frac{0.137}{3.0605} = 0.045$$

$$C_c = 1.9233 - 0.9767 = 0.9466 \Rightarrow CR = \frac{0.9466}{3.0605} = 0.31$$

$$t_{90} C_v = 7.681 \text{ ft}^2/\text{yr} = 0.021 \text{ ft}^2/\text{day}$$

$$t_{50} C_v = 6.820 \text{ ft}^2/\text{yr} = 0.019 \text{ ft}^2/\text{day}$$



**Consolidation Test Results
Summary**

Project: LA DNR Lost Lake Marsh Creation (TE-72)

Project Number: 16715-020-00

Location:

Job Number: 11-21

Sample Number:

Sample Description:

Boring Number: 17

Clay with organic matter (CH)

Depth: 9 - 11 feet

Remarks:

Test Number:

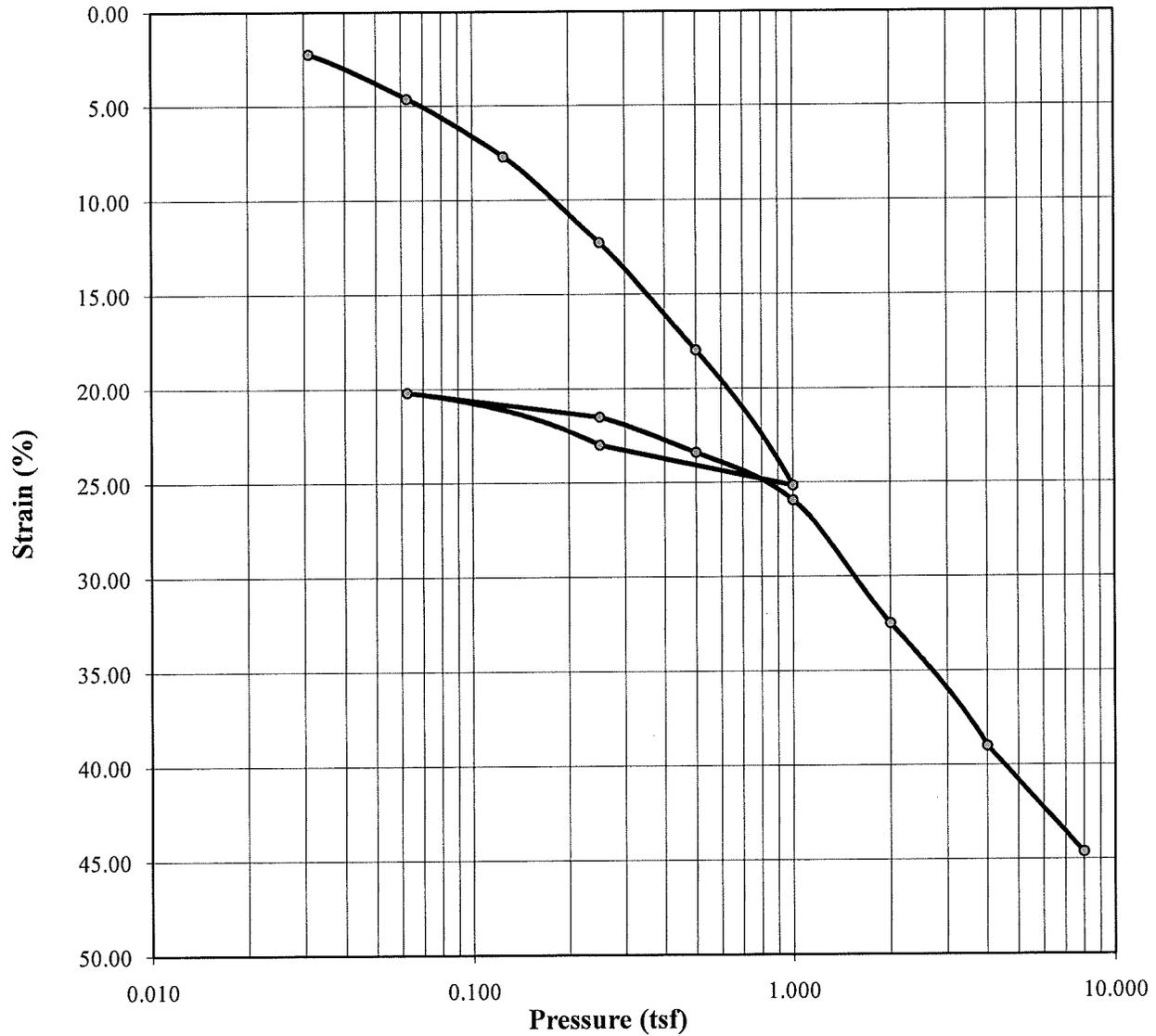
Sample Type: Undisturbed

Test Date: 16 June 11

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft2/year)	t50 Cv (ft2/year)
0	0.000	0.0000	0.7500	0.5050	0.00	2.0606	0.000	0.000	0.000	0.000
1	0.031	0.0168	0.7332	0.4882	2.24	1.9921	41.956	9.834	9.915	9.827
2	0.063	0.0347	0.7153	0.4703	4.63	1.9190	33.198	16.271	11.926	5.653
3	0.125	0.0577	0.6923	0.4473	7.69	1.8252	48.282	12.634	7.681	6.820
4	0.250	0.0920	0.6580	0.4130	12.27	1.6852	42.202	10.915	7.939	7.131
5	0.500	0.1348	0.6152	0.3702	17.97	1.5105	37.162	10.442	7.881	6.516
6	1.000	0.1888	0.5612	0.3162	25.17	1.2902	46.761	11.880	5.212	4.766
7	0.250	0.1725	0.5775	0.3325	23.00	1.3567	0.000	0.000	0.000	0.000
8	0.063	0.1514	0.5986	0.3536	20.19	1.4428	0.000	0.000	0.000	0.000
9	0.250	0.1613	0.5887	0.3437	21.51	1.4024	23.623	4.781	11.352	13.032
10	0.500	0.1755	0.5745	0.3295	23.40	1.3444	26.524	6.347	9.629	9.349
11	1.000	0.1946	0.5554	0.3104	25.95	1.2665	23.506	6.506	10.154	8.523
12	2.000	0.2437	0.5063	0.2613	32.49	1.0661	54.611	15.212	3.632	3.029
13	4.000	0.2925	0.4575	0.2125	39.00	0.8670	56.309	16.858	2.876	2.232
14	8.000	0.3347	0.4153	0.1703	44.63	0.6948	63.076	* 35.0420	2.116	0.885

Predicted value indicated with *

Consolidation Test Test Results

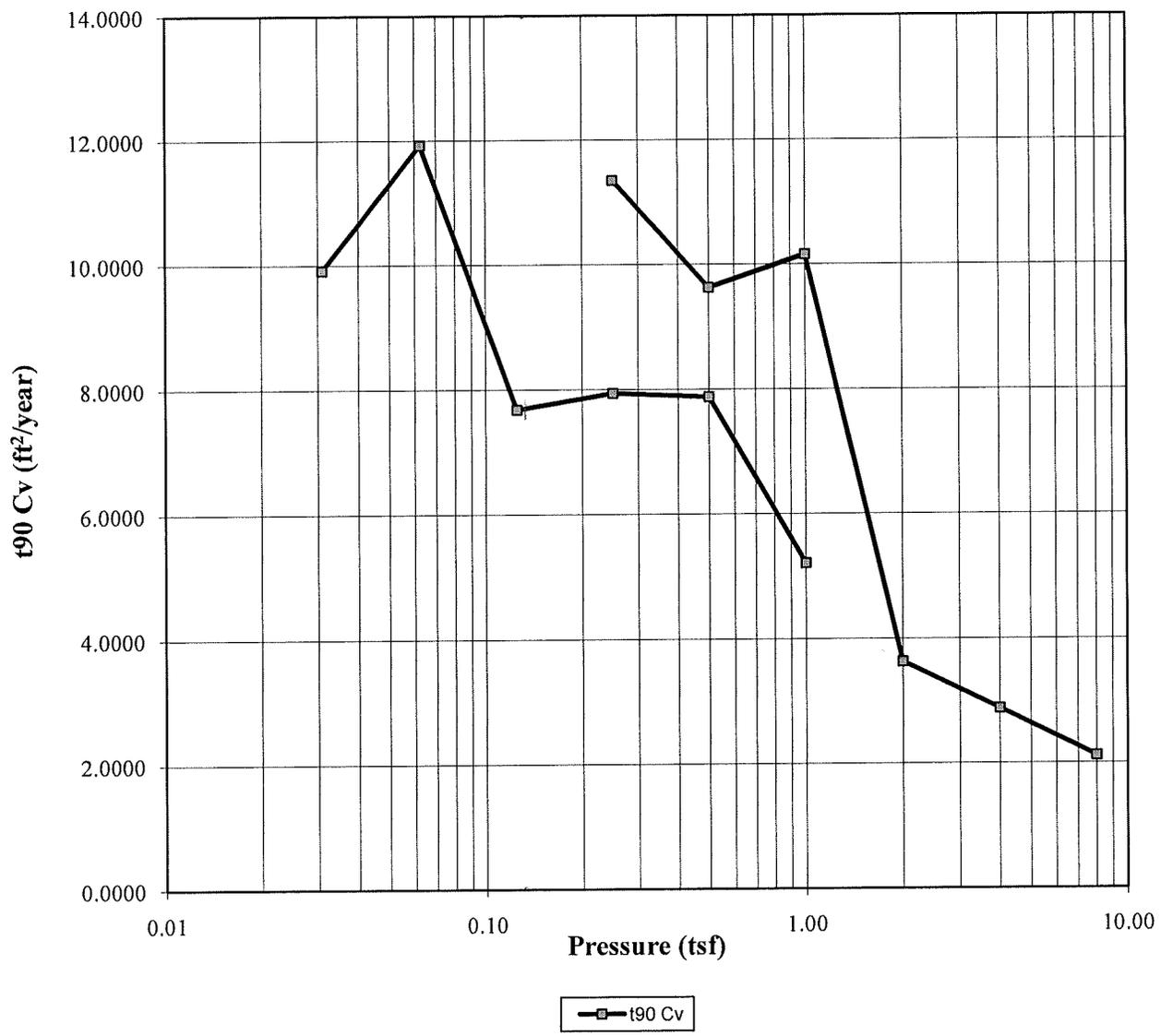


	Before	After	Liquid Limits:	75	Test Date: 16 June 11
Moisture (%):	75.22	37.77	Plastic Limits:	28	
Dry Density (pcf):	52.57	87.19	Plasticity Index (%):	46	
Saturation (%):	94.00	114.91			
Void Ratio:	2.0605	0.6947	Specific Gravity:	2.582	Measured
Sample Description: Clay with organic matter (CH)					
Project Number:	16715-020-00		Depth:	9 - 11 feet	
Sample Number:			Boring Number:	17	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				
Client:	LA Office of Coastal Protection and Restoration				
Location:					
Remarks:					

11-60
43-2



**Consolidation Test
Test Results**

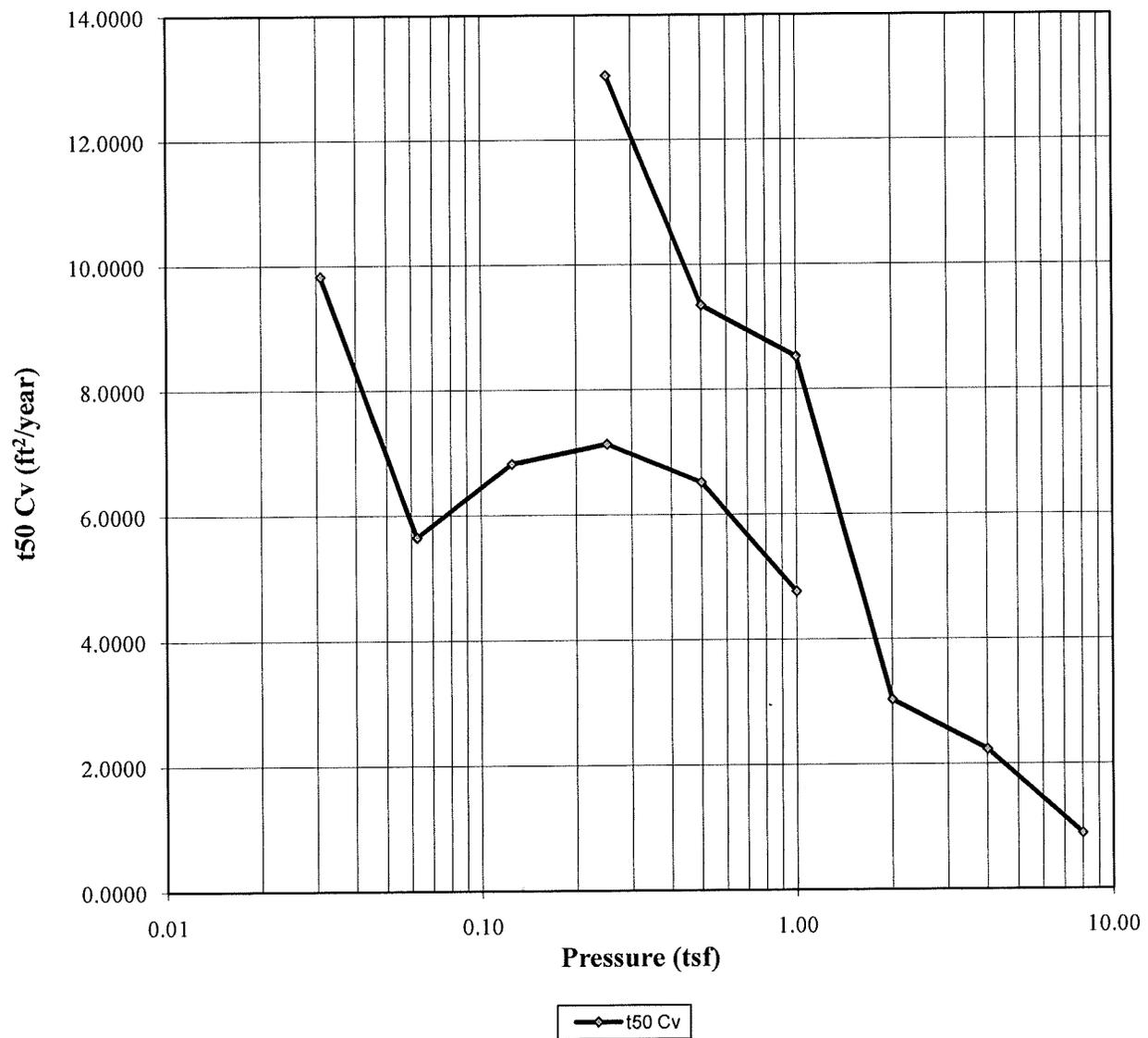


	Before	After	Liquid Limits:	75	Test Date:	16 June 11
Moisture (%):	75.22	37.77	Plastic Limits:	28		
Dry Density (pcf):	52.57	87.19	Plasticity Index (%):	46		
Saturation (%):	94.00	114.91	Specific Gravity:	2.582	Measured	
Void Ratio:	2.0605	0.6947				
Soil Description:	Clay with organic matter (CH)					
Project Number:	16715-020-00		Depth:	9 - 11 feet		Remarks:
Sample Number:			Boring Number:	17		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

42 ticks = 2

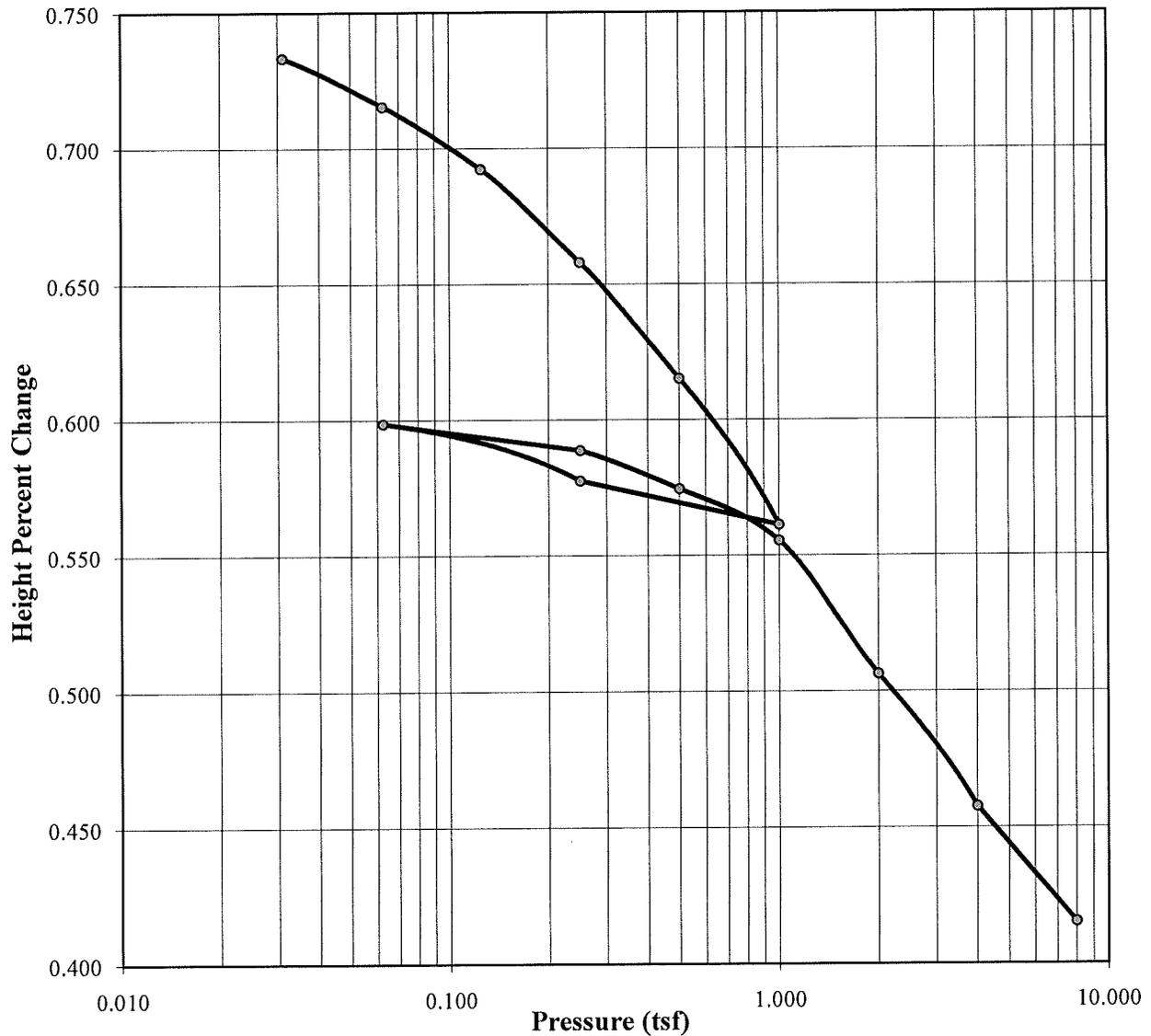


**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	75	Test Date:	16 June 11
Moisture (%):	75.22	37.77	Plastic Limits:	28		
Dry Density (pcf):	52.57	87.19	Plasticity Index (%):	46		
Saturation (%):	94.00	114.91				
Void Ratio:	2.0605	0.6947	Specific Gravity:	2.582	Measured	
Soil Description:	Clay with organic matter (CH)					
Project Number:	16715-020-00		Depth:	9 - 11 feet		
Sample Number:			Boring Number:	17		
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						
	Remarks:					

Consolidation Test Test Results



	Before	After	Liquid Limits:	75	Test Date:	16 June 11
Moisture (%):	75.22	37.77	Plastic Limits:	28		
Dry Density (pcf):	52.57	87.19	Plasticity Index (%):	46		
Saturation (%):	94.00	114.91				
Void Ratio:	2.0605	0.6947	Specific Gravity:	2.582	Measured	
Soil Description:	Clay with organic matter (CH)					
Project Number:	16715-020-00		Depth: 9 - 11 feet		Remarks:	
Sample Number:	Boring Number: 17					
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test

Consolidation Specimen Information

Project: LA DNR Lost Lake Marsh Creation (TE-72)

Project Number: 16715-020-00

Location:

Job Number: 11-21

Test Date: 16 June 11

Sample Number:

Boring Number: 17

Depth: 9 - 11 feet

Sample Type: Undisturbed

Sample Description:

Clay with organic matter (CH)

Remarks:

Test Number:

Liquid Limit: 75.0000

Plastic Limit: 28.0000

Specific Gravity: 2.5820

Measured

Initial Void Ratio: 2.0605

Plasticity Index (%): 46.0000

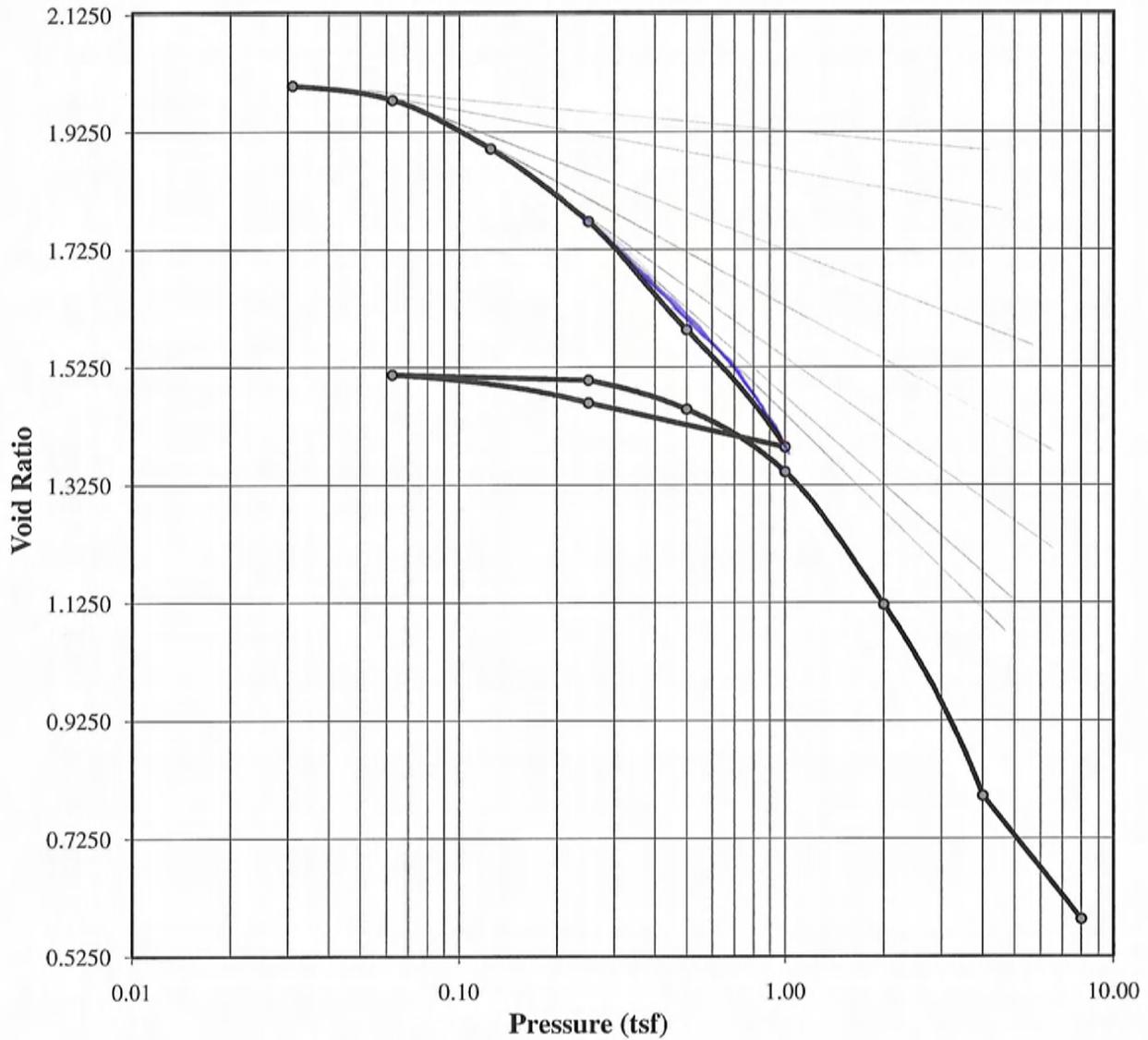
Weight of Ring (g): 234.8200

Initial Height (in): 0.7500

Initial Diameter (in): 2.5000

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	146.70	85.90
Dry Soil + Container (g)	93.40	68.54
Weight of Container (g)	22.54	22.58
Moisture Content (%)	75.22	37.77
Void Ratio	2.0605	0.6947
Saturation (%)	94.00	114.91
Dry Density (pcf)	52.57	87.19

Consolidation Test Test Results

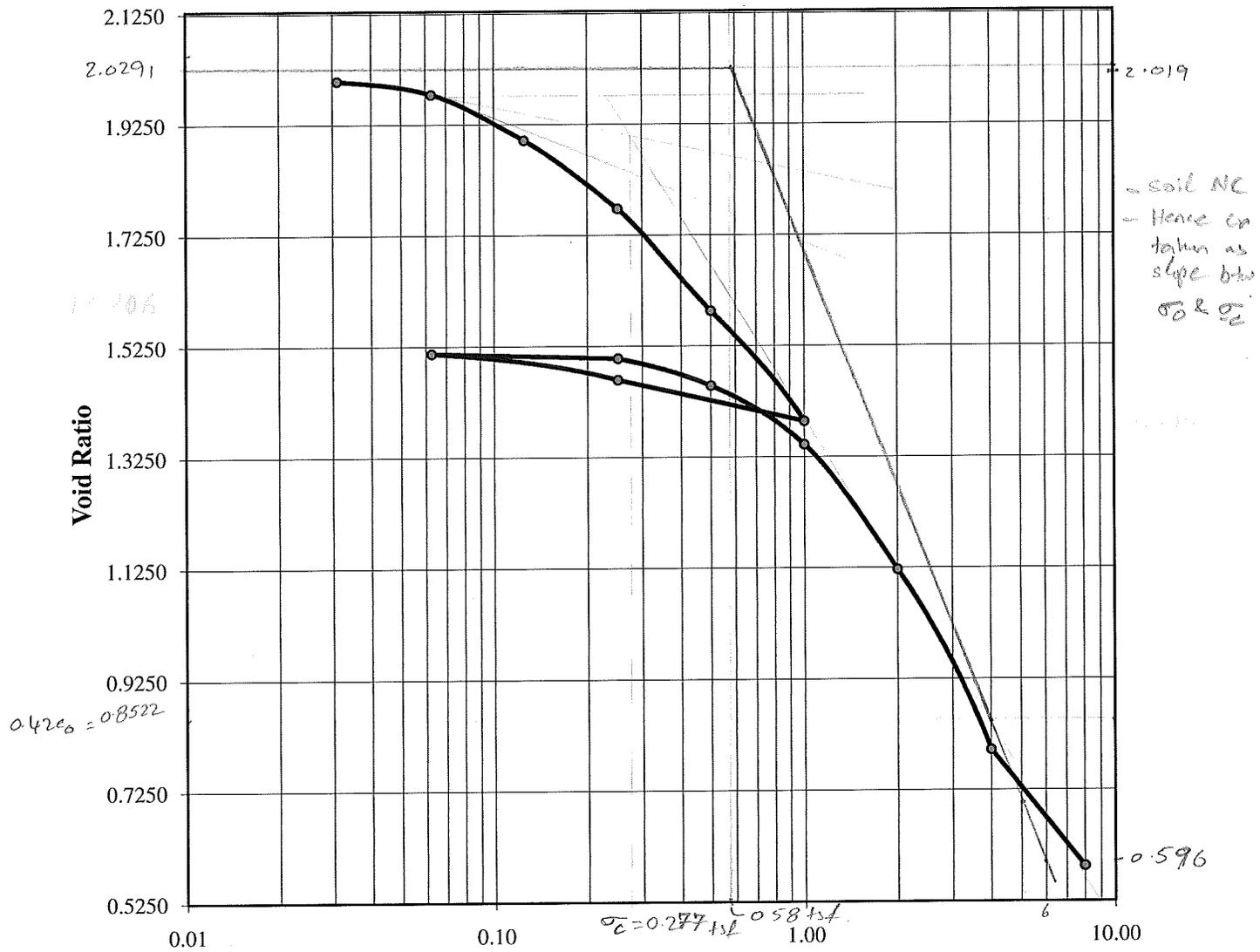


	Before	After	Liquid Limits:	328	Test Date: 17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138	
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190	
Saturation (%):	101.32	152.30			
Void Ratio:	2.0291	0.5872	Specific Gravity:	2.082	Measured
Soil Description: Organic clay with peat seams (OH)					
Project Number:	16715-020-00		Depth:	37 - 39 feet	
Sample Number:			Boring Number:	18	
Project:	LA DNR Lost Lake Marsh Creation (TE-72)				
Client:	LA Office of Coastal Protection and Restoration				
Location:					
			Remarks:		

1" = 60 scale
39.5 = 0.2

GEOENGINEERS

Consolidation Test Test Results



$$\sigma'_0 = \frac{62.4}{2} (94.376 \times 2) + (72.16 - 62.4) \times 4 + (113.4 - 62.4) \times 2 + (105.8 - 62.4) \times 2 + (97.704 - 62.4) \times 4 + (120 - 62.4) \times 4 + (79.72 - 62.4) \times 5 + (100.74 - 62.4) \times 5 + (84.2 - 62.4) \times 5 + (79.55 - 62.4) \times 1 = 1168.9 \text{ psf} = 0.58 \text{ tsf}$$

	Before	After	Liquid Limits:	328	Test Date:	17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138		
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190		
Saturation (%):	101.32	152.30				
Void Ratio:	2.0291	0.5872	Specific Gravity:	2.082	Measured	
Soil Description:	Organic clay with peat seams (OH)					
Project Number:	16715-020-00	Depth:	37 - 39 feet	Remarks:		
Sample Number:		Boring Number:	18			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

$OCR = \frac{0.277}{0.58} = 0.48$

$C_c = 2.019 - 0.596 = 1.423$

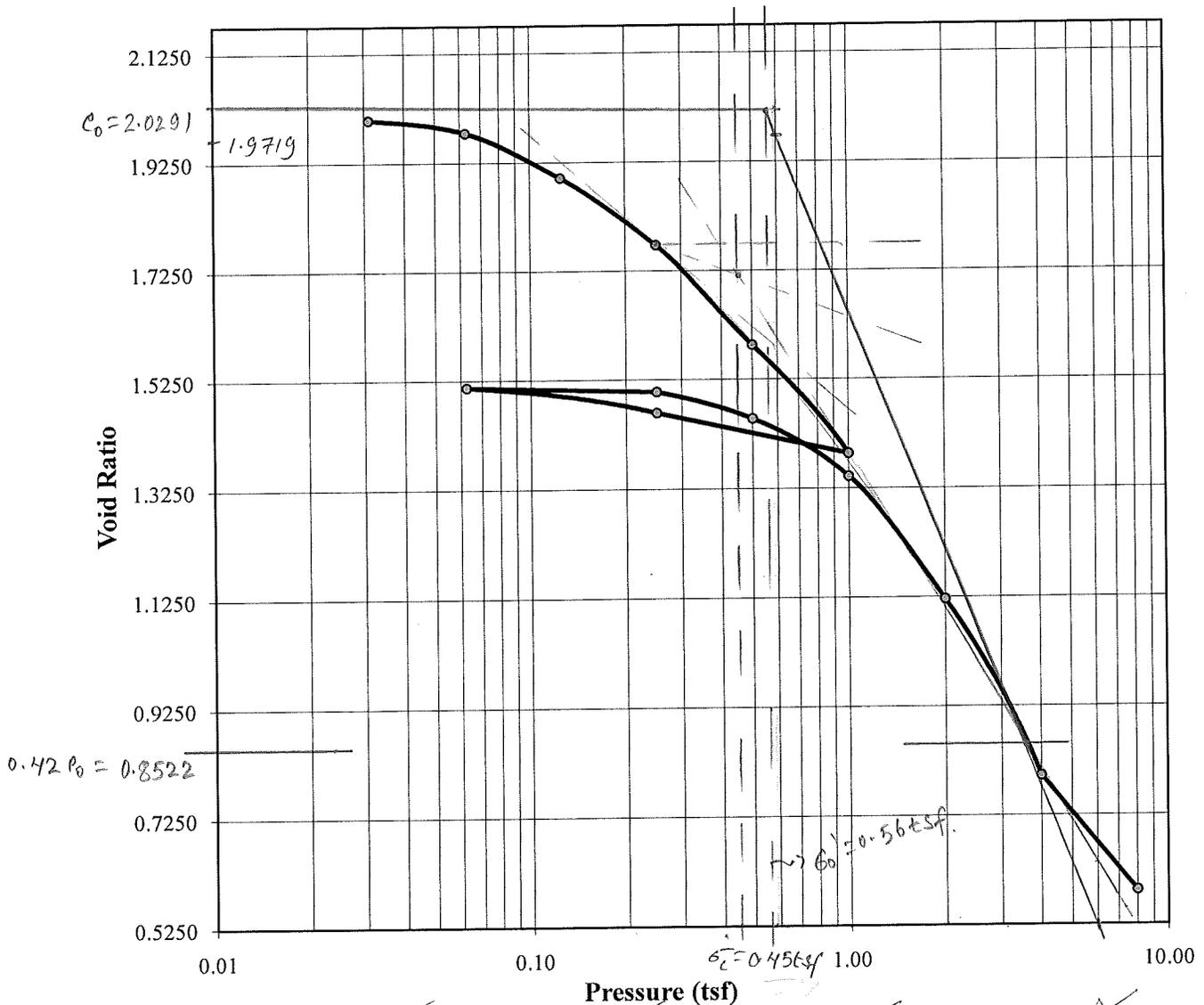
$CR = 0.47$

$t_{90} C_v = 332.43 \text{ ft}^2/\text{yr} = 0.911 \text{ ft}^2/\text{day}$

$t_{50} C_v = 16.22 \text{ ft}^2/\text{yr} = 0.044 \text{ ft}^2/\text{day}$

GEOENGINEERS

Consolidation Test Test Results



$\sigma_v' = 0.56 \text{ TSF} = (94.376 - 62.4) \times 2 + (72.16 - 62.4) \times 4 + (113.4 - 62.4) \times 2 + (105.48 - 62.4) \times 2 + (97.704 - 62.4) \times 1 + (120.62.4) \times 1 + (99.72 - 62.4) \times 3 + (100.9 - 62.4) \times 5 + (84.2 - 62.4) \times 5 + (79.55 - 62.4) \times 5 = 1127.9 \text{ psf}$

	Before	After	Liquid Limits:	328	Test Date:	17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138		
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190		
Saturation (%):	101.32	152.30	Specific Gravity:	2.082	Measured	
Void Ratio:	2.0291	0.5872				
Soil Description:	Organic clay with peat seams (OH)					
Project Number:	16715-020-00	Depth:	37 - 39 feet	Remarks:		
Sample Number:		Boring Number:	18			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

OCR ≈ 1

$C_c = 1.9719 - 0.525 = 1.447$

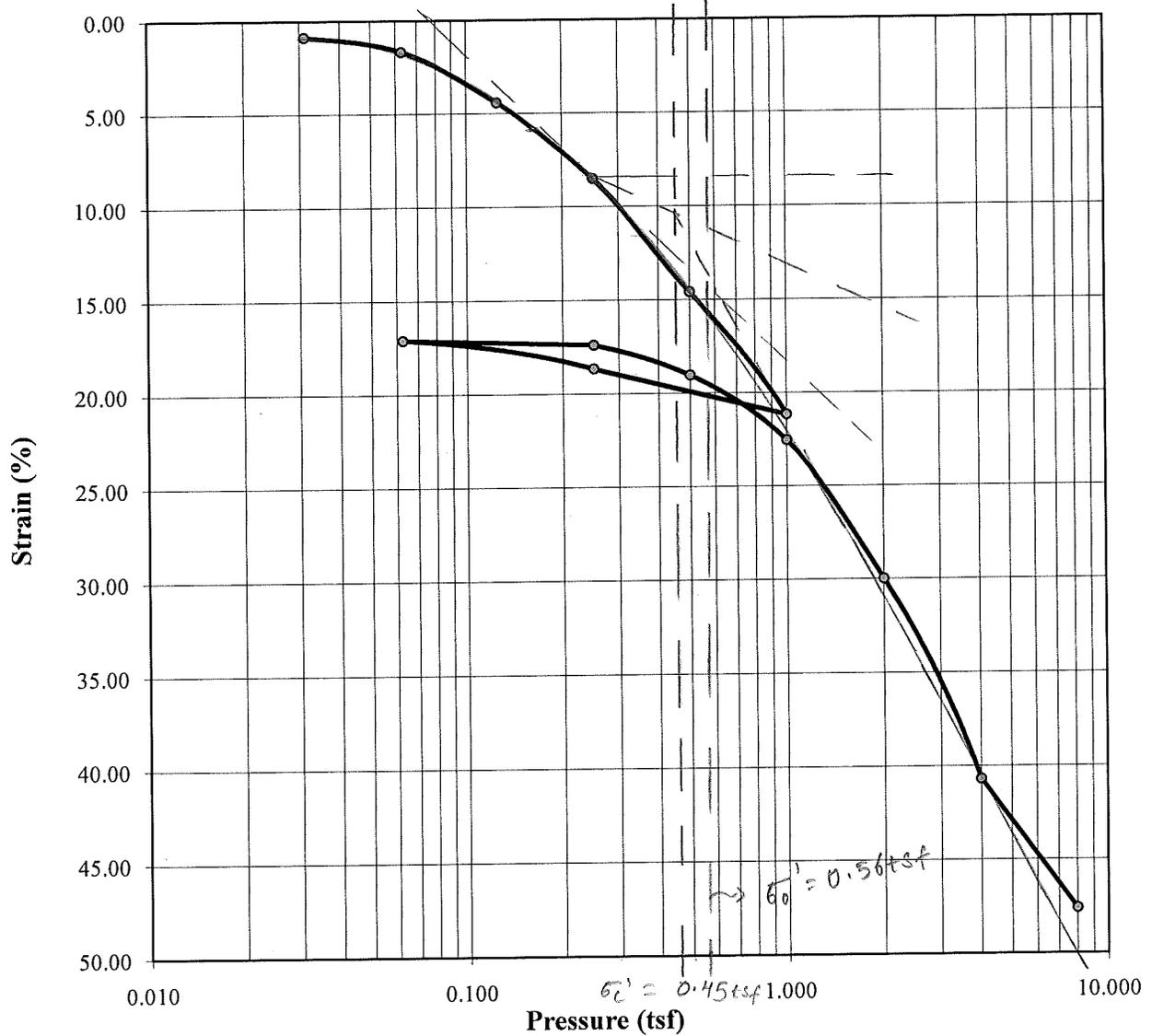
$CR = \frac{1.447}{3.0291} = 0.48$

$t_{90} C_v = 407.594 \text{ ft}^2/\text{yr}$
 $= 1.117 \text{ ft}^2/\text{day}$

$t_{50} C_v = 16.771 \text{ ft}^2/\text{yr}$
 $= 0.046 \text{ ft}^2/\text{day}$

GEOENGINEERS

Consolidation Test Test Results



$$\sigma_v' = (94.376 - 62.4) \times 2 + (72.16 - 62.4) \times 4 + (113.4 - 62.4) \times 2 + (105.48 - 62.4) \times 2 + (97.704 - 62.4) \times 4 + (120 - 62.4) \times 4$$

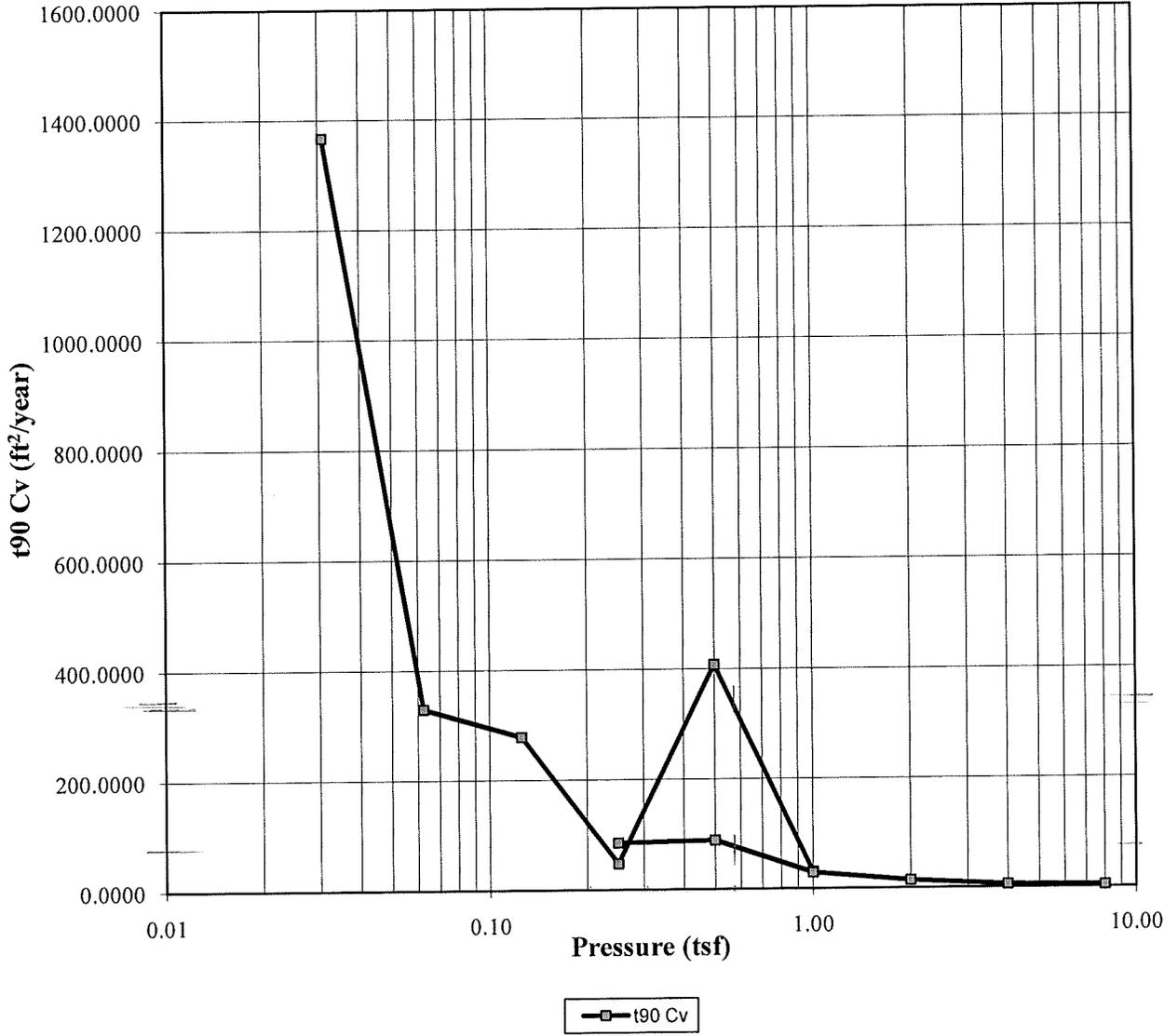
	Before	After	Liquid Limits:	328	Test Date:	17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138		
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190		
Saturation (%):	101.32	152.30				
Void Ratio:	2.0291	0.5872	Specific Gravity:	2.082	Measured	
Sample Description:	Organic clay with peat seams (OH)					
Project Number:	16715-020-00		Depth: 37 - 39 feet		Remarks:	
Sample Number:	Boring Number: 18					
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

$+(99.72 - 62.4) \times 3$
 $+(100.9 - 62.4) \times 5$
 $+(84.2 - 62.4) \times 5$
 $+(79.55 - 62.4) \times 3$
 $= 1127.9 \text{ ppsf}$
 $= 0.56 \text{ tsf}$

1" = 60 scale
 37 ticks = 200



**Consolidation Test
 Test Results**

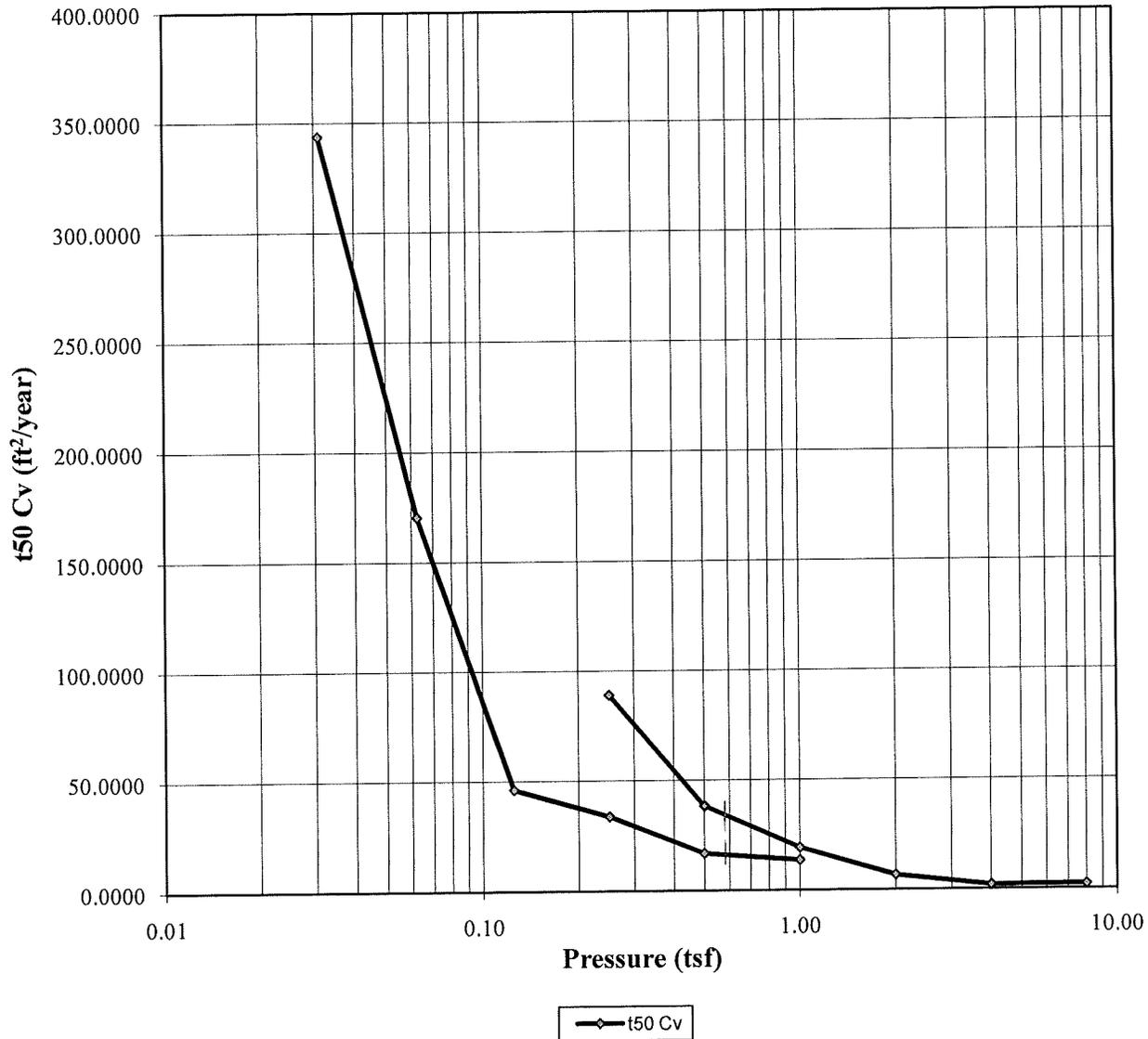


	Before	After	Liquid Limits:	328	Test Date:	17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138		
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190		
Saturation (%):	101.32	152.30				
Void Ratio:	2.0291	0.5872	Specific Gravity:	2.082	Measured	
Soil Description:	Organic clay with peat seams (OH)					
Project Number:	16715-020-00	Depth:	37 - 39 feet		Remarks:	
Sample Number:		Boring Number:	18			
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

1" = 60 scale
37 - 50



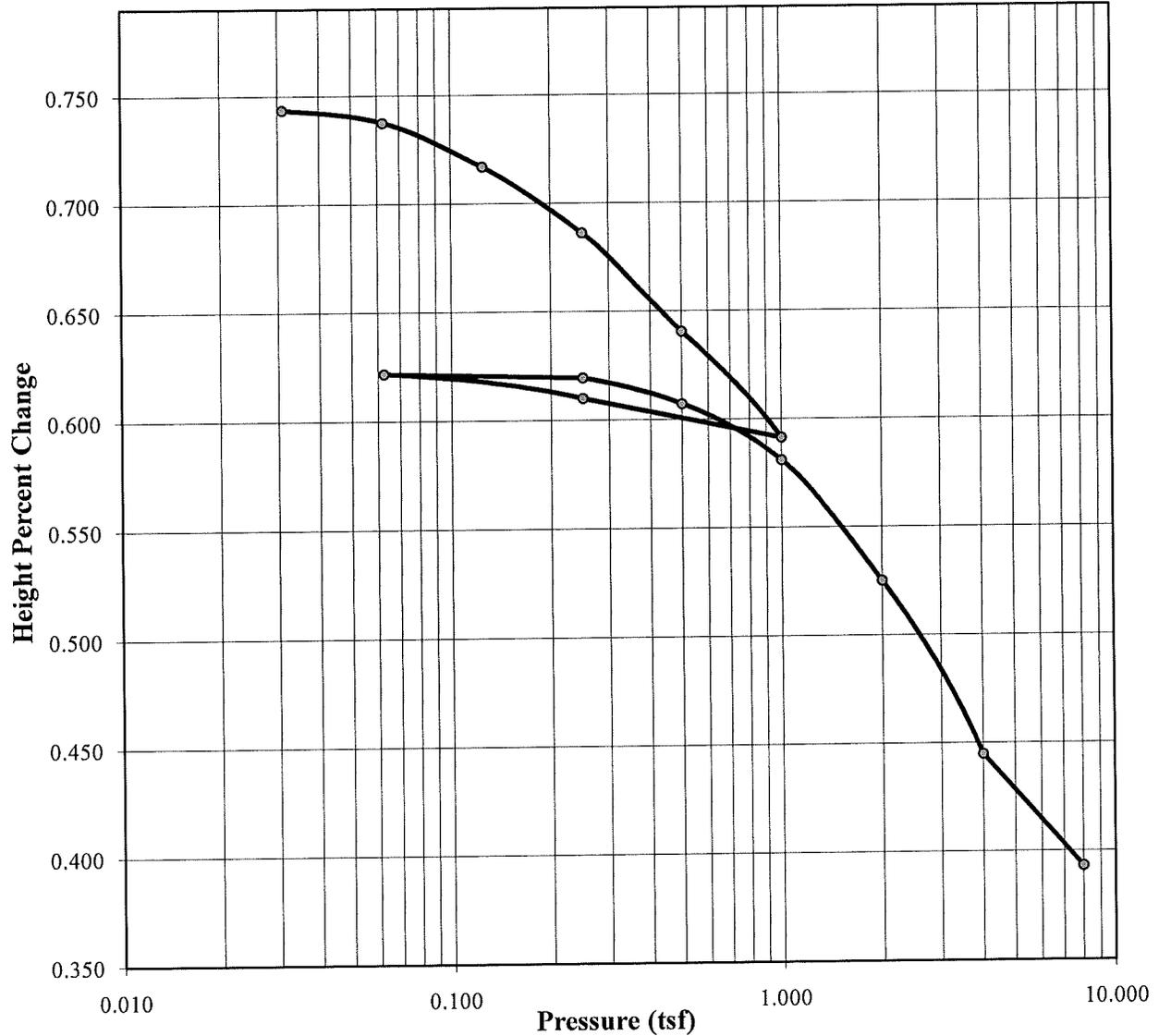
**Consolidation Test
Test Results**



	Before	After	Liquid Limits:	328	Test Date:	17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138		
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190		
Saturation (%):	101.32	152.30				
Void Ratio:	2.0291	0.5872	Specific Gravity:	2.082	Measured	
Soil Description:	Organic clay with peat seams (OH)					
Project Number:	16715-020-00		Depth:	37 - 39 feet		Remarks:
Sample Number:	Boring Number: 18					
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						

Consolidation Test

Test Results



	Before	After	Liquid Limits:	328	Test Date:	17 June 11
Moisture (%):	99.05	54.67	Plastic Limits:	138		
Dry Density (pcf):	42.82	74.38	Plasticity Index (%):	190		
Saturation (%):	101.32	152.30	Specific Gravity:	2.082	Measured	
Void Ratio:	2.0291	0.5872				
Soil Description:	Organic clay with peat seams (OH)					
Project Number:	16715-020-00		Depth:	37 - 39 feet		Remarks:
Sample Number:	Boring Number: 18					
Project:	LA DNR Lost Lake Marsh Creation (TE-72)					
Client:	LA Office of Coastal Protection and Restoration					
Location:						



**Consolidation Test Results
Summary**

Project: LA DNR Lost Lake Marsh Creation (TE-72)

Project Number: 16715-020-00

Location:

Job Number: 11-21

Sample Number:

Sample Description:

Boring Number: 18

Organic clay with peat seams (OH)

Depth: 37 - 39 feet

Remarks:

Test Number:

Sample Type: Undisturbed

Test Date: 17 June 11

Index	Load Sequence (tsf)	Cummulative Change in Height (in)	Specimen Height (in)	Height of Void (in)	Vertical Strain (%)	Void Ratio	t90 Fitting Time (min)	t50 Fitting Time (min)	t90 Cv (ft ² /year)	t50 Cv (ft ² /year)
0	0.000	0.0000	0.7500	0.5025	0.00	2.0299	0.000	0.000	0.000	0.000
1	0.031	0.0065	0.7435	0.4960	0.87	2.0037	0.313	0.289	1366.571	343.666
2	0.063	0.0126	0.7374	0.4899	1.68	1.9790	1.277	0.574	329.464	170.450
3	0.125	0.0331	0.7169	0.4694	4.41	1.8962	1.428	2.003	278.565	46.121
4	0.250	0.0638	0.6862	0.4387	8.51	1.7722	7.717	2.513	47.214	33.679
5	0.500	0.1094	0.6406	0.3931	14.59	1.5880	0.779	4.399	407.594	16.771
6	1.000	0.1587	0.5913	0.3438	21.16	1.3888	8.840	4.640	30.606	13.545
7	0.250	0.1400	0.6100	0.3625	18.67	1.4643	0.000	0.000	0.000	0.000
8	0.063	0.1282	0.6218	0.3743	17.09	1.5120	0.000	0.000	0.000	0.000
9	0.250	0.1305	0.6195	0.3720	17.40	1.5027	3.507	0.775	84.691	89.019
10	0.500	0.1428	0.6072	0.3597	19.04	1.4530	3.214	1.734	88.774	38.223
11	1.000	0.1691	0.5809	0.3334	22.55	1.3468	9.062	3.162	28.814	19.187
12	2.000	0.2249	0.5251	0.2776	29.99	1.1214	15.264	7.505	13.978	6.605
13	4.000	0.3052	0.4448	0.1973	40.69	0.7970	29.318	19.218	5.222	1.851
14	8.000	0.3570	0.3930	0.1455	47.60	0.5877	31.558	13.457	3.787	2.063

Predicted value indicated with *

Consolidation Test

Consolidation Specimen Information

Project: LA DNR Lost Lake Marsh Creation (TE-72) **Project Number:** 16715-020-00

Location: **Test Date:** 17 June 11

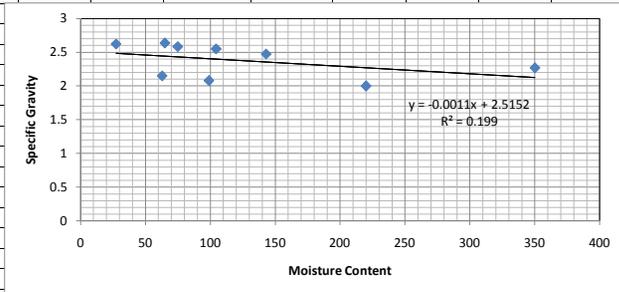
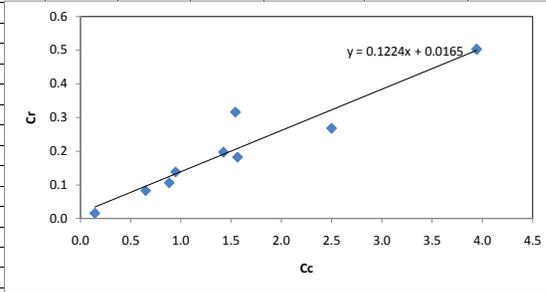
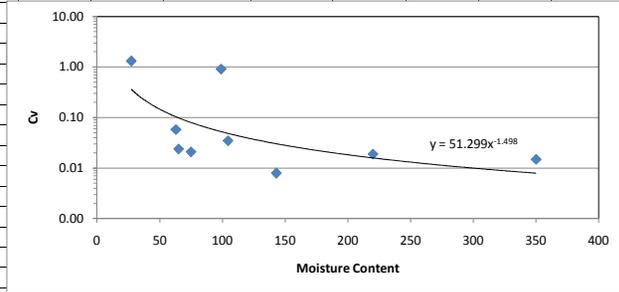
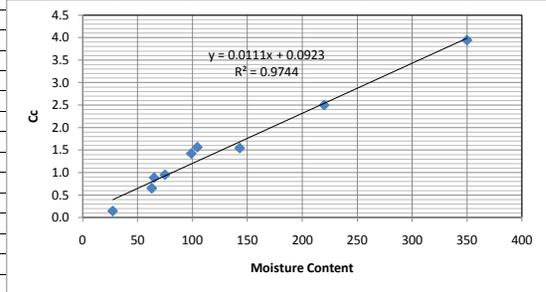
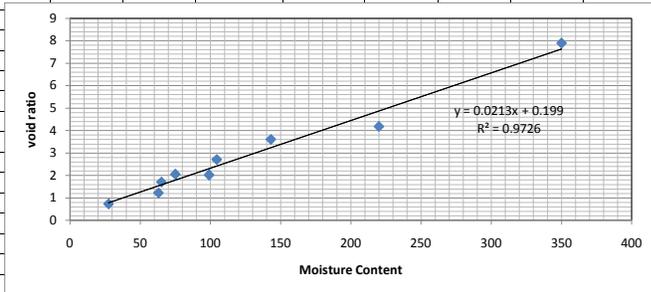
Job Number: 11-21

Sample Number: **Sample Description:**
Boring Number: 18 Organic clay with peat seams (OH)
Depth: 37 - 39 feet **Remarks:**
Sample Type: Undisturbed

Test Number: **Initial Void Ratio:** 2.0291 **Initial Height (in):** 0.7500
Liquid Limit: 328.0000 **Plasticity Index (%):** 190.0000 **Initial Diameter (in):** 2.5000
Plastic Limit: 138.0000 **Weight of Ring (g):** 107.0100
Specific Gravity: 2.0820 Measured

Parameters	Initial Specimen	Final Specimen
Moist Weight + Container (g)	111.60	84.21
Dry Soil + Container (g)	69.68	64.12
Weight of Container (g)	27.36	27.37
Moisture Content (%)	99.05	54.67
Void Ratio	2.0291	0.5872
Saturation (%)	101.32	152.30
Dry Density (pcf)	42.82	74.38

Boring	Sample Depth	Depth below Mudline	Elevation @Mudline	Elevation @ Sample	MC	LL	PI	SG	dry den	wet den	Desc	Cc	Cr	e0	Cr/Cc	Cv T50	Cv t ₉₀	P'o	Pc	OCR
	ft	ft	ft	ft	%	%	%									ft ² /day	ft ² /day	tsf	tsf	
B-7	5	0	-2.57	-2.57	143	146	101	2.473	33.42	81.2	OH	1.542	0.3162	3.608	0.205	0.0089	0.008	0.01	0.14	14.000
B-11	15	12	-0.90	-12.90	27.5	22	2	2.62	93.84	119.6	ML	0.1448	0.0163	0.7409	0.113	0.045	1.315	0.28	2.4	8.571
B-12	7	4	-0.12	-4.12	220	241	179	2.002	24.06	77.0	PT	2.5	0.2684	4.1837	0.107	0.011	0.019	0.104	0.079	0.760
B-13	14	10	-1.04	-11.04	63	86	57	2.151	60	97.8	CH	0.6488	0.083	1.2342	0.128	0.03	0.058	0.284	0.33	1.162
B-14	37	33	-1.04	-34.04	104.5	119	84	2.549	42.8	87.5	CH	1.564	0.1827	2.7153	0.117	0.018	0.035	0.74	0.585	0.791
B-15	27	14	-10.40	-24.40	65.08	86	57	2.636	60.67	100.2	CH	0.8837	0.1066	1.7134	0.121	0.016	0.024	0.3	0.571	1.903
B-16	4	0	-0.95	-0.95	350	215	90	2.27	15.92	71.6	PT	3.9429	0.5027	7.8884	0.127	0.01	0.015	0.01	0.17	17.000
B-17	9	6	-0.57	-6.57	75	75	46	2.582	52.57	92.0	CH	0.9466	0.139	2.0605	0.147	0.019	0.021	0.13	0.23	1.769
B-18	37	33	-0.35	-33.35	99	328	190	2.082	42.82	85.2	OH	1.423	0.1976	2.0291	0.139	0.044	0.911	0.58	0.277	0.478



**LOST LAKE MARSH CREATION (TE-72) PROJECT
TERREBONNE PARISH, LOUISIANA
SETTLEMENT PARAMETERS FOR B-7**

ELEV FEET	COHESION KSF	M.C %	S.G	UNIT WEIGHT		EQ. 1	EQ. 2		EQ. 3		DESIGN PARAMETERS						Pc		Pc															
				WET PCF	DRY PCF	e _o	Consol. C _c	Use MC C _c	Consol. C _r	C _c	C _r	Adopted C _c	Adopted Ccε	Adopted Cr	Adopted Crε	C _v ¹ ft ² /day	C _v ×10 ⁻⁵ in ² /sec	Consol tsf	P _{avg} tsf	P _t tsf	P _o tsf	OCR ²	OCR Consol	Adopted ³ OCR	from OCR tsf	P @ e ₀ tsf	e ₀	ε @ e ₀ %	e @ Pc	ε @ Pc %	Pc + 1 tsf tsf	e @ Pc+1tsf	ε @ Pc+1tsf %	
0.0	-	-10	0.080	136	2.28	86	36	3.096	1.542	1.564	0.316	0.156	1.542	0.376	0.316	0.077	0.02	3.33	0.140	0.059	0	0.059	4.1	14.0	4.1	0.241	0.0200	3.10	0	2.75	8.34	1.241	1.656	35.15
-10	-	-15	0.120	136	2.28	86	36	3.096	1.564	1.564	0.156	1.564	0.382	0.156	0.038	0.02	3.33	0.0295	0.118	0.1475	2.2	2.2	0.318	0.0200	3.10	0	2.91	4.59	1.318	1.942	28.17			
-15	-	-25	0.120	90	2.35	100	53	2.116	0.954	0.954	0.095	0.954	0.306	0.095	0.031	0.02	3.33	0.094	0.177	0.271	1.0	1.0	0.273	0.0200	2.12	0	2.12	0.00	1.273	1.479	20.46			
-25	-	-33	0.180	64	2.44	100	61	1.562	0.655	0.655	0.065	0.655	0.255	0.065	0.026	0.04	6.67	0.0752	0.365	0.4402	0.9	1.0	0.440	0.0200	1.56	0	1.56	0.00	1.440	1.225	13.15			
-33	-	-38	0.150	158	2.26	100	39	3.564	1.817	1.817	0.182	1.817	0.398	0.182	0.040	0.04	5.83	0.047	0.5154	0.5624	0.5	1.0	0.562	0.0200	3.56	0	3.56	0.00	1.562	2.758	17.66			
-38	-	-60	0.150	67	2.43	100	60	1.626	0.689	0.689	0.069	0.689	0.262	0.069	0.026	0.03	5.33	0.2068	0.6094	0.8162	0.3	1.0	0.816	0.0200	1.63	0	1.63	0.00	1.816	1.387	9.11			

Equations:

EQ. 1 $e_o = 0.0213 \cdot MC + 0.199$

EQ. 2 $C_c = 0.0054 \cdot ((S.G. \cdot M.C.) - 35)$ (NAVFAC)

EQ. 3 $Cr = 0.10 C_c$

EQ. 4 $C_c = 0.0115 \cdot MC$ (for organic clays and peat) (NAVFAC)

Note:

¹ C_v values for materials were determined using the C_v vs MC curve developed by GeoEngineers based on data from coastal projects

² OCR = $(c / (p' \cdot 0.22))^{(1/0.8)}$ (Recommended practice for soft ground site characterization: Aruthur Casagrande Lecture Figure 7.1)

³ From Note 2, reviewing c/p line and consolidation test result; Assumed OCR = 1 if OCR < 1 from calculations

Consolidation test results from Boring B-7

References:

"Foundation Design: Principles and Practices" Donald Coduto 1994

"NAVFAC DM-7.1 Soil Mechanics" 1982

"GeoEngineers" based on our experience with coastal soils

**LOST LAKE MARSH CREATION (TE-72) PROJECT
TERREBONNE PARISH, LOUISIANA
SETTLEMENT PARAMETERS FOR B-11**

ELEV FEET	COHESION KSF	M.C %	S.G	UNIT WEIGHT		EQ. 1	EQ. 2		EQ. 3		DESIGN PARAMETERS						Pc		Pc														
				WET PCF	DRY PCF	Consol. C _c	Use MC C _c	Consol. C _r	C _c	C _r	C _c	C _c	C _r	Adopted Ccε	Adopted Cr	Adopted Crε	Adopted C _v ¹ ft ² /day	C _v ×10 ⁻⁵ in ² /sec	Consol tsf	P _{avg} tsf	P _t tsf	P _o tsf	OCR ²	OCR Consol	Adopted ³ OCR	from OCR tsf	P @ e0 tsf	e0	ε @ e0 %	e @ Pc	ε @ Pc %	Pc + 1 tsf tsf	e @ Pc+1tsf
0.0	-3	0.100	480	2.17	69	12	10.423		5.520	0.552	5.520	0.483	0.552	0.048	0.15	25.00	0.00495	0	0.00495	119.5		119.5	0.592	0.0200	10.42	0	9.61	7.11	1.592	7.238	27.88		
-3.0	-5	0.060	300	2.20	84	21	6.589		3.450	0.345	3.450	0.455	0.345	0.045	0.04	6.67	0.0108	0.0099	0.0207	10.6		10.6	0.218	0.0200	6.59	0	6.23	4.72	1.218	3.656	38.65		
-5.0	-7	0.180	300	2.20	100	25	6.589		3.369	0.337	3.369	0.444	0.337	0.044	0.04	6.67	0.0188	0.0315	0.0503	13.7		13.7	0.691	0.0200	6.59	0	6.07	6.83	1.691	4.761	24.09		
-7.0	-15	0.180	38	2.65	115	83	1.008	0.1448	0.356	0.0163	0.036	0.356	0.177	0.036	0.018	0.30	50.00	2.400	0.1052	0.0691	0.1743	2.9	8.6	2.9	0.506	0.0200	1.01	0	0.96	2.48	1.506	0.790	10.87
-15.0	-28	0.140	38	2.65	115	83	1.008		0.356		0.036	0.356	0.177	0.036	0.018	0.30	50.00	0.17095	0.2795	0.45045	0.6		1.0	0.450	0.0200	1.01	0	1.01	0.00	1.450	0.828	8.99	
-28.0	-60	0.350	64	2.44	105	64	1.562		0.655		0.065	0.655	0.255	0.065	0.026	0.04	5.83	0.3408	0.6214	0.9622	0.8		1.0	0.962	0.0200	1.56	0	1.56	0.00	1.962	1.360	7.91	

Equations:

EQ. 1 $e_o = 0.0213 * MC + 0.199$

EQ. 2 $C_c = 0.0054 * ((S.G. * M.C.) - 35)$ (NAVFAC)

EQ. 3 $C_r = 0.10 C_c$

EQ. 4 $C_c = 0.0115 * MC$ (for organic clays and peat) (NAVFAC)

Note:

¹ C_v values for materials were determined using the C_v vs MC curve developed by GeoEngineers based on data from coastal projects

² $OCR = (c / (p' * 0.22))^{1/0.8}$ (Recommended practice for soft ground site characterization: Aruthur Casagrande Lecture Figure 7.1)

³ From Note 2, reviewing c/p line and consolidation test result; Assumed OCR = 1 if OCR < 1 from calculations

Consolidation test results from Boring B-11

References:

"Foundation Design: Principles and Practices" Donald Coduto 1994

"NAVFAC DM-7.1 Soil Mechanics" 1982

"GeoEngineers" based on our experience with coastal soils

"Soil Mechanics" Lambe and Whitman 1969

**LOST LAKE MARSH CREATION (TE-72) PROJECT
TERREBONNE PARISH, LOUISIANA
SETTLEMENT PARAMETERS FOR B-12**

ELEV FEET	COHESION KSF	M.C. %	S.G.	UNIT WEIGHT		EQ. 1 e _o	EQ. 2		EQ. 3		DESIGN PARAMETERS								Pc		Pc													
				WET PCF	DRY PCF		Consol. C _c	Use MC C _c	Consol. C _r	Adopted C _c	Adopted Ccε	Adopted Cr	Adopted Crε	C _v ¹ ft ² /day	C _v x10 ⁻⁵ in ² /sec	Consol tsf	P _{avg} tsf	P _i tsf	P _o tsf	OCR ²	OCR Consol	Adopted ³ OCR	from OCR tsf	P @ e0 tsf	e0	ε @ e0 %	e @ Pc	ε @ Pc %	Pc + 1 tsf tsf	e @ Pc+1tsf	ε @ Pc+1tsf %			
-0.2	-4	0.370	39	2.64	105	76	1.030		0.367		0.037	0.367	0.181	0.037	0.018	0.20	33.33		0.042387	0	0.042387	41.9		41.9	1.775	0.0200	1.03	0	0.96	3.52	2.775	0.887	7.03	
-4	-6	0.110	248	2.21	115	33	5.481		2.771		0.277	2.771	0.428	0.277	0.043	2.771	5.00		0.0263	0.084774	0.111074	2.8		2.8	0.306	0.0200	5.48	0	5.15	5.07	1.306	3.407	32.00	
-6	-8	0.110	230	2.00	80	24	4.184		2.645	0.2684	0.265	2.500	0.482	0.268	0.052	0.02	4.00		0.079	0.0088	0.137374	0.146174	2.0		1.0	0.146	0.0200	4.18	0	4.18	0.00	1.146	1.948	43.13
-8	-25	0.080	70	2.41	92	54	1.690		0.724		0.072	0.724	0.269	0.072	0.027	0.03	5.00		0.1258	0.154974	0.280774	0.6		1.0	0.281	0.0200	1.69	0	1.69	0.00	1.281	1.213	17.73	
-25	-62	0.170	90	2.35	92	48	2.116		0.954		0.095	0.954	0.306	0.095	0.031	0.02	3.33		0.2738	0.406574	0.680374	0.5		1.0	0.680	0.0200	2.12	0	2.12	0.00	1.680	1.742	12.02	

Equations:

EQ. 1 $e_o = 0.0213 * MC + 0.199$

EQ. 2 $C_c = 0.0054 * ((S.G. * M.C.) - 35)$ (NAVFAC)

EQ. 3 $C_r = 0.10 C_c$

EQ. 4 $C_c = 0.0115 * MC$ (for organic clays and peat) (NAVFAC)

Note:

¹ C_v values for materials were determined using the C_v vs MC curve developed by GeoEngineers based on data from coastal projects

² $OCR = (c / (p' * 0.22))^{1/0.8}$ (Recommended practice for soft ground site characterization: Aruthur Casagrande Lecture Figure 7.1)

³ From Note 2, reviewing c/p line and consolidation test result; Assumed OCR = 1 if OCR < 1 from calculations

Consolidation test results from Boring B-12

References:

"Foundation Design: Principles and Practices" Donald Coduto 1994

"NAVFAC DM-7.1 Soil Mechanics" 1982

"GeoEngineers" based on our experience with coastal soils

"Soil Mechanics" Lambe and Whitman 1969

**LOST LAKE MARSH CREATION (TE-72) PROJECT
TERREBONNE PARISH, LOUISIANA
SETTLEMENT PARAMETERS FOR B-13**

ELEV FEET	COHESION KSF	M.C %	S.G	UNIT WEIGHT		EQ. 1	EQ. 2			EQ. 3	DESIGN PARAMETERS							Pc		Pc													
				WET PCF	DRY PCF	Consol. e _o	Use MC C _c	Consol. C _r	Adopted C _c	Adopted Ccε	Adopted Cr	Adopted Crε	C _v ¹ ft ² /day	C _v ×10 ⁻⁵ in ² /sec	Consol tsf	P _{avg} tsf	P _t tsf	P _o tsf	OCR ²	OCR Consol	Adopted ³ OCR	from OCR tsf	P @ e0 tsf	e0	ε @ e0 %	e @ Pc	ε @ Pc %	Pc + 1 tsf tsf	e @ Pc+1tsf	ε @ Pc+1tsf %			
-1.4	-	-5	0.190	85	2.36	105	57	2.010		0.896	0.090	0.896	0.298	0.090	0.030	0.02	3.33		0.038798	0	0.038798	20.3		20.3	0.789	0.0200	2.01	0	1.87	4.75	1.789	1.548	15.34
-5.0	-	-15	0.190	40	2.63	117	84	1.051	0.6089	0.379	0.083	0.379	0.185	0.038	0.018	0.20	33.33	0.330	0.1365	0.077596	0.214096	2.4	1.2	2.4	0.515	0.0200	1.05	0	1.00	2.60	1.515	0.820	11.26
-15.0	-	-23	0.150	40	2.63	117	84	1.051		0.379		0.379	0.185	0.038	0.018	0.20	33.33		0.1092	0.350596	0.459796	0.7		1.0	0.460	0.0200	1.05	0	1.05	0.00	1.460	0.861	9.26
-23.0	-	-33	0.450	50	2.53	108	72	1.264		0.494		0.494	0.218	0.049	0.022	0.08	13.33		0.114	0.568996	0.682996	1.7		1.0	0.683	0.0200	1.26	0	1.26	0.00	1.683	1.071	8.54
-33.0	-	-60	0.300	50	2.53	108	72	1.264		0.494		0.494	0.218	0.049	0.022	0.08	13.33		0.3078	0.796996	1.104796	0.5		1.0	1.105	0.0200	1.26	0	1.26	0.00	2.105	1.126	6.10

Equations:

EQ. 1 $e_o = 0.0213 * MC + 0.199$

EQ. 2 $C_c = 0.0054 * ((S.G. * M.C.) - 35)$ (NAVFAC)

EQ. 3 $Cr = 0.10 C_c$

EQ. 4 $C_c = 0.0115 * MC$ (for organic clays and peat) (NAVFAC)

Note:

¹ C_v values for materials were determined using the C_v vs MC curve developed by GeoEngineers based on data from coastal projects

² OCR = $(c / (p' * 0.22))^{(1/0.8)}$ (Recommended practice for soft ground site characterization: Aruthur Casagrande Lecture Figure 7.1)

³ From Note 2, reviewing c/p line and consolidation test result; Assumed OCR = 1 if OCR < 1 from calculations

Consolidation test results from Boring B-13

References:

"Foundation Design: Principles and Practices" Donald Coduto 1994

"NAVFAC DM-7.1 Soil Mechanics" 1982

"GeoEngineers" based on our experience with coastal soils

"Soil Mechanics" Lambe and Whitman 1969

**TERREBONNE PARISH, LOUISIANA
SETTLEMENT PARAMETERS FOR B-14**

ELEV FEET	COHESION KSF	M.C %	S.G	UNIT WEIGHT		EQ. 1 e ₀	EQ. 2 Consol. C _c	EQ. 3 Use MC C _c	EQ. 3 Consol. C _r	Adopted C _c	DESIGN PARAMETERS						P _c		P _c															
				WET PCF	DRY PCF						Adopted Ccε	Adopted Cr	Adopted Crε	C _v ¹ ft ² /day	C _v ×10 ⁻⁵ in ² /sec	Consol tsf	P _{avg} tsf	P _t tsf	P _o tsf	OCR ²	OCR Consol	Adopted ³ OCR	from OCR tsf	P @ e ₀ tsf	e ₀	ε @ e ₀ %	e @ P _c	ε @ P _c %	P _c + 1 tsf	e @ P _c +1tsf	ε @ P _c +1tsf %			
-0.4	-	-3	0.150	118	2.68	105	48	3.157		1.357	0.136	1.357	0.326	0.136	0.033	0.02	3.33	0.02785	0	0.02785	22.9		22.9	0.638	0.0200	3.16	0	2.95	4.91	1.638	2.397	18.28		
-3.0	-	-6	0.150	62	2.66	105	65	1.650		0.702	0.070	0.702	0.265	0.070	0.026	0.04	6.67	0.03195	0.0557	0.08765	5.5		5.5	0.479	0.0200	1.65	0	1.55	3.65	1.479	1.210	16.63		
-6.0	-	-15	0.210	62	2.66	105	65	1.650		0.702	0.070	0.702	0.265	0.070	0.026	0.04	6.67	0.09585	0.1196	0.21545	2.7		2.7	0.582	0.0200	1.65	0	1.55	3.88	1.582	1.243	15.38		
-15.0	-	-29	0.110	62	2.66	105	65	1.650		0.702	0.070	0.702	0.265	0.070	0.026	0.04	6.67	0.1491	0.3113	0.4604	0.5		1.0	0.460	0.0200	1.65	0	1.65	0.00	1.460	1.298	13.28		
-29.0	-	-50	0.330	62	2.66	105	65	1.650	1.564	0.702	0.183	0.070	0.702	0.265	0.070	0.026	0.04	6.67	0.820	0.22365	0.6095	0.83315	0.9	1.1	1.0	0.833	0.0200	1.65	0	1.65	0.00	1.833	1.410	9.07

Equations:

EQ. 1 $e_0 = 0.0213 \cdot MC + 0.199$

EQ. 2 $C_c = 0.0054 \cdot ((S.G. \cdot M.C.) - 35)$ (NAVFAC)

EQ. 3 $C_r = 0.10 C_c$

EQ. 4 $C_c = 0.0115 \cdot MC$ (for organic clays and peat) (NAVFAC)

Note:

¹ C_v values for materials were determined using the C_v vs MC curve developed by GeoEngineers based on data from coastal projects

² $OCR = (c/(p' \cdot 0.22))^{1/0.8}$ (Recommended practice for soft ground site characterization: Aruthur Casagrande Lecture Figure 7.1)

³ From Note 2, reviewing c/p line and consolidation test result; Assumed OCR = 1 if OCR < 1 from calculations

Consolidation test results from Boring B-14

References:

"Foundation Design: Principles and Practices" Donald Coduto 1994

"NAVFAC DM-7.1 Soil Mechanics" 1982

"GeoEngineers" based on our experience with coastal soils

"Soil Mechanics" Lambe and Whitman 1969

**LOST LAKE MARSH CREATION (TE-72) PROJECT
TERREBONNE PARISH, LOUISIANA
SETTLEMENT PARAMETERS FOR B-15**

ELEV FEET	COHESION KSF	M.C %	S.G	UNIT WEIGHT		EQ. 1	EQ. 2		EQ. 3	DESIGN PARAMETERS							Pc		Pc															
				WET PCF	DRY PCF	Consol. C _c	Use MC C _c	Consol. C _r	Adopted C _c	Adopted Ccε	Adopted Cr	Adopted Crε	C _v ¹ ft ² /day	C _v ×10 ⁻⁵ in ² /sec	Consol tsf	P _{avg} tsf	P _t tsf	P _o tsf	OCR ²	OCR Consol	Adopted ³ OCR	from OCR tsf	P @ e0 tsf	e0	ε @ e0 %	e @ Pc %	ε @ Pc %	Pc + 1 tsf	e @ Pc+1tsf	ε @ Pc+1tsf %				
-1.3	-	-5	0.190	85	2.36	105	57	2.010		0.896	0.090	0.896	0.298	0.090	0.030	0.02	3.33		0.039618	0	0.039618	19.8		19.8	0.785	0.0200	2.01	0	1.87	4.75	1.785	1.547	15.37	
-5	-	-10	0.190	40	2.63	117	84	1.051	0.6089	0.379	0.083	0.038	0.379	0.185	0.038	0.018	0.20	33.33	0.330	0.07371	0.079236	0.152946	3.7	1.2	3.7	0.560	0.0200	1.05	0	1.00	2.67	1.560	0.828	10.88
-10	-	-12	0.100	65	2.44	116	70	1.584		0.666		0.067	0.666	0.258	0.067	0.026	0.03	5.50		0.02144	0.226656	0.248096	0.9		1.0	0.248	0.0200	1.58	0	1.58	0.00	1.248	1.116	18.09
-12	-	-17	0.150	65	2.44	100	61	1.584		0.666		0.067	0.666	0.258	0.067	0.026	0.03	5.50		0.047	0.269536	0.316536	1.1		1.0	0.317	0.0200	1.58	0	1.58	0.00	1.317	1.171	15.96
-18	-	-28	0.220	45	2.57	100	69	1.158	0.884	0.436	0.107	0.044	0.436	0.202	0.044	0.020	0.12	20.00	0.571	0.094	0.363536	0.457536	1.1	1.9	1.0	0.458	0.0200	1.16	0	1.16	0.00	1.458	0.938	10.17
-28	-	-45	0.300	60	2.46	105	66	1.477		0.609		0.061	0.609	0.246	0.061	0.025	0.04	6.67		0.18105	0.551536	0.732586	0.9		1.0	0.733	0.0200	1.48	0	1.48	0.00	1.733	1.249	9.18
-45	-	-50	0.300	88	2.36	101	54	2.073		0.931		0.093	0.931	0.303	0.093	0.030	0.02	3.33		0.04825	0.913636	0.961886	0.7		1.0	0.962	0.0200	2.07	0	2.07	0.00	1.962	1.785	9.37

Equations:

- EQ. 1 $e_0 = 0.0213 * MC + 0.199$
- EQ. 2 $C_c = 0.0054 * ((S.G * M.C.) - 35)$ (NAVFAC)
- EQ. 3 $C_r = 0.10 C_c$
- EQ. 4 $C_c = 0.0115 * MC$ (for organic clays and peat) (NAVFAC)

Note:

- ¹ C_v values for materials were determined using the C_v vs MC curve developed by GeoEngineers based on data from coastal projects
- ² $OCR = (c / (p' * 0.22))^{1/0.8}$ (Recommended practice for soft ground site characterization: Aruthur Casagrande Lecture Figure 7.1)
- ³ From Note 2, reviewing c/p line and consolidation test result; Assumed OCR = 1 if OCR < 1 from calculations
- Consolidation test results from Boring B-15
- Boring B-15 is located in the Bayou. Assumed soil layers from adjacent boring B-13 for the upper soil profile (EI -1.28 feet to -10.4 feet)

References:

- "Foundation Design: Principles and Practices" Donald Coduto 1994
- "NAVFAC DM-7.1 Soil Mechanics" 1982
- "GeoEngineers" based on our experience with coastal soils
- "Soil Mechanics" Lambe and Whitman 1969

**LOST LAKE MARSH CREATION (TE-72) PROJECT
TERREBONNE PARISH, LOUISIANA
SETTLEMENT PARAMETERS FOR B-16**

ELEV FEET	COHESION KSF	M.C %	S.G	UNIT WEIGHT		EQ. 1	EQ. 2		EQ. 3		DESIGN PARAMETERS						Pc		Pc														
				WET PCF	DRY PCF	Consol. C _c	Use MC C _c	Consol. C _r	C _c	C _r	Adopted C _c	Adopted Ccε	Adopted Cr	Adopted Crε	C _v ¹ ft ² /day	C _v ×10 ⁻⁵ in ² /sec	Consol tsf	P _{avg} tsf	P _t tsf	P _o tsf	OCR ²	OCR Consol	Adopted ³ OCR	from OCR tsf	P @ e0 tsf	e0	ε @ e0 %	e @ Pc	ε @ Pc %	Pc + 1 tsf tsf	e @ Pc+1tsf	ε @ Pc+1tsf %	
-1.0	-6	0.090	400	2.18	85	17	8.719	3.943	4.600	0.503	0.460	3.943	0.406	0.503	0.052	0.08	13.33	0.160	0.028533	0	0.028533	11.7	16.0	11.7	0.335	0.0200	8.72	0	8.10	6.33	1.335	5.735	30.70
-6.0	-8	0.190	150	2.26	92	37	3.394	1.725	1.725	0.173	1.725	0.393	0.173	0.039	0.02	3.33	0.0148	0.057065	0.071865	9.4	9.4	0.676	0.0200	3.39	0	3.13	6.00	1.676	2.450	21.48			
-8.0	-14	0.190	70	2.41	102	60	1.690	0.724	0.724	0.072	0.724	0.269	0.072	0.027	0.03	5.00	0.0594	0.086665	0.146065	3.9	3.9	0.566	0.0200	1.69	0	1.58	3.91	1.566	1.265	15.79			
-14.0	-22	0.190	40	2.63	115	82	1.051	0.379	0.379	0.038	0.379	0.185	0.038	0.018	0.20	33.33	0.1052	0.205465	0.310665	1.5	1.5	0.469	0.0200	1.05	0	1.00	2.53	1.469	0.811	11.68			
-22.0	-27	0.190	70	2.41	102	60	1.690	0.724	0.724	0.072	0.724	0.269	0.072	0.027	0.03	5.00	0.0495	0.415865	0.465365	0.9	1.0	0.465	0.0200	1.69	0	1.69	0.00	1.465	1.330	13.40			
-27.0	-32	0.150	264	2.21	72	20	5.822	3.036	3.036	0.304	3.036	0.445	0.304	0.045	0.03	5.00	0.012	0.205465	0.217465	1.8	1.0	0.217	0.0200	5.82	0	5.82	0.00	1.217	3.551	33.29			
-32.0	-59	0.150	85	2.36	85	46	2.010	0.896	0.896	0.090	0.896	0.298	0.090	0.030	0.02	3.33	0.15255	0.229465	0.382015	0.9	1.0	0.382	0.0200	2.01	0	2.01	0.00	1.382	1.509	16.63			

Equations:

EQ. 1 $e_o = 0.0213 * MC + 0.199$

EQ. 2 $C_c = 0.0054 * ((S.G. * M.C.) - 35)$ (NAVFAC)

EQ. 3 $C_r = 0.10 C_c$

EQ. 4 $C_c = 0.0115 * MC$ (for organic clays and peat) (NAVFAC)

Note:

¹ C_v values for materials were determined using the C_v vs MC curve developed by GeoEngineers based on data from coastal projects

² $OCR = (c / (p' * 0.22))^{1/0.8}$ (Recommended practice for soft ground site characterization: Aruthur Casagrande Lecture Figure 7.1)

³ From Note 2, reviewing c/p line and consolidation test result; Assumed OCR = 1 if OCR < 1 from calculations

Consolidation test results from Boring B-16

References:

"Foundation Design: Principles and Practices" Donald Coduto 1994

"NAVFAC DM-7.1 Soil Mechanics" 1982

"GeoEngineers" based on our experience with coastal soils

"Soil Mechanics" Lambe and Whitman 1969

**LOST LAKE MARSH CREATION (TE-72) PROJECT
TERREBONNE PARISH, LOUISIANA
SETTLEMENT PARAMETERS FOR B-17**

ELEV FEET	COHESION KSF	M.C %	S.G	UNIT WEIGHT		EQ. 1	EQ. 2		EQ. 3	DESIGN PARAMETERS						Pc			
				WET PCF	DRY PCF	Consol. C _c	Use MC C _c	Consol. C _r	Adopted C _c	Adopted Ccε	Adopted Cr	Adopted Crε	C _v ¹ ft ² /day	C _v ×10 ⁻⁵ in ² /sec	Consol tsf	P _{avg} tsf			
-0.5	-	-4	0.100	100	2.33	95	48	2.329		1.150	0.115	1.150	0.345	0.115	0.035	0.02	3.33		0.028281
-4	-	-6	0.160	70	2.41	101	59	1.690		0.805	0.081	0.805	0.299	0.081	0.030	0.03	5.00		0.0193
-6	-	-14	0.160	50	2.53	115	77	1.264	0.947	0.494	0.134	0.494	0.218	0.049	0.022	0.08	13.33	0.230	0.1052
-14	-	-27	0.200	50	2.53	110	73	1.264		0.494	0.049	0.494	0.218	0.049	0.022	0.08	13.33		0.1547
-27	-	-37	0.250	141	2.27	97	40	3.202		0.212	0.021	0.212	0.050	0.021	0.005	0.02	3.33		0.0865
-37	-	-41	0.250	270	2.20	78	21	5.950		0.405	0.041	0.405	0.058	0.041	0.006	0.03	5.17		0.0156
-41	-	-60	0.250	141	2.27	97	40	3.202		0.212	0.021	0.212	0.050	0.021	0.005	0.02	3.33		0.16435

Equations:

EQ. 1 $eo=0.0213*MC+0.199$

EQ. 2 $Cc = 0.0054*((S.G.*M.C.)-35)$ (NAVFAC)

EQ. 3 $Cr= 0.10Cc$

EQ. 4 $C_c = 0.0115*MC$ (for organic clays and peat) (NAVFAC)

Note:

¹ C_v values for materials were determined using the C_v vs MC curve developed by GeoEngineers based on data from coastal projects

² $OCR = (c/(p' * 0.22))^{1/0.8}$ (Recommended practice for soft ground site characterization: Aruthur Casagrande Lecture Figure 7.1)

³ From Note 2, reviewing c/p line and consolidation test result; Assumed OCR =1 if OCR<1 from calculations

Consolidation test results from Boring B-17

References:

"Foundation Design: Principles and Practices" Donald Coduto 1994

"NAVFAC DM-7.1 Soil Mechanics" 1982

"GeoEngineers" based on our experience with coastal soils

"Soil Mechanics" Lambe and Whitman 1969

P _t tsf	P _o tsf	OCR ²	OCR Consol	P _c		e ₀	ε @ e ₀ %	e @ P _c	ε @ P _c %	P _c + 1 tsf tsf	e @ P _c +1tsf	ε @ P _c +1tsf %	
				Adopted ³ OCR	from OCR tsf								
0	0.028281	13.5		13.5	0.383	0.0200	2.33	0	2.18	4.43	1.383	1.540	23.70
0.056561	0.075861	7.1		7.1	0.538	0.0200	1.69	0	1.57	4.28	1.538	1.208	17.93
0.095161	0.200361	2.1	1.8	1.8	0.361	0.0200	1.26	0	1.20	2.72	1.361	0.918	15.30
0.305561	0.460261	1.0		1.0	0.453	0.0200	1.26	0	1.26	0.00	1.453	1.014	11.03
0.614961	0.701461	0.8		1.0	0.701	0.0200	3.20	0	3.20	0.00	1.701	3.121	1.94
0.787961	0.803561	0.6		1.0	0.804	0.0200	5.95	0	5.95	0.00	1.804	5.808	2.05
0.819161	0.983511	0.5		1.0	0.984	0.0200	3.20	0	3.20	0.00	1.984	3.138	1.53

**LOST LAKE MARSH CREATION (TE-72) PROJECT
TERREBONNE PARISH, LOUISIANA
SETTLEMENT PARAMETERS FOR B-18**

ELEV FEET	COHESION KSF	M.C %	S.G	UNIT WEIGHT		EQ. 1	EQ. 2		EQ. 3		DESIGN PARAMETERS						Pc		Pc															
				WET PCF	DRY PCF	Consol. e _o	Use MC C _c	Consol. C _r	C _c	C _r	Adopted C _c	Adopted Ccε	Adopted Cr	Adopted Crε	C _v ¹ ft ² /day	C _v ×10 ⁻⁵ in ² /sec	Consol tsf	P _{avg} tsf	P _t tsf	P _o tsf	OCR ²	OCR Consol	Adopted ³ OCR	from OCR tsf	P @ e0 tsf	e0	ε @ e0 %	e @ Pc	ε @ Pc %	Pc + 1 tsf tsf	e @ Pc+1tsf	ε @ Pc+1tsf %		
-0.4	-	-4	0.100	105	2.32	85	41	2.436		1.208		0.121	1.208	0.351	0.121	0.035	0.02	3.33		0.020623	0	0.020623	20.1		20.1	0.414	0.0200	2.44	0	2.28	4.63	1.414	1.633	23.37
-4	-	-14	0.150	90	2.35	105	55	2.116		0.954		0.095	0.954	0.306	0.095	0.031	0.02	3.33		0.1065	0.041245	0.147745	2.8		2.8	0.420	0.0200	2.12	0	1.99	4.05	1.420	1.485	20.23
-14	-	-18	SAND	30	2.79	120	92	0.838		0.264		0.026	0.264	0.143	0.026	0.014	1.40	233.33		0.0576	0.254245	0.311845			1.0	0.312	0.0200	0.84	0	0.84	0.00	1.312	0.674	8.95
-18	-	-29	0.180	85	2.36	100	54	2.010		0.896		0.090	0.896	0.298	0.090	0.030	0.02	3.33		0.1034	0.369445	0.472845	0.8		1.0	0.473	0.0200	2.01	0	2.01	0.00	1.473	1.567	14.69
-29	-	-60	0.150	85	2.36	80	43	2.010	1.447	0.978	0.198	0.098	0.978	0.325	0.098	0.032	0.02	3.33	0.450	0.1364	0.576245	0.712645	0.4	0.8	1.0	0.713	0.0200	2.01	0	2.01	0.00	1.713	1.637	12.37

Equations:

EQ. 1 $e_o = 0.0213 * MC + 0.199$

EQ. 2 $C_c = 0.0054 * ((S.G. * M.C.) - 35)$ (NAVFAC)

EQ. 3 $C_r = 0.10 C_c$

EQ. 4 $C_c = 0.0115 * MC$ (for organic clays and peat) (NAVFAC)

Note:

¹ C_v values for materials were determined using the C_v vs MC curve developed by GeoEngineers based on data from coastal projects

² $OCR = (c / (p' * 0.22))^{1/0.8}$ (Recommended practice for soft ground site characterization: Aruthur Casagrande Lecture Figure 7.1)

³ From Note 2, reviewing c/p line and consolidation test result; Assumed OCR = 1 if OCR < 1 from calculations

Consolidation test results from Boring B-18

References:

"Foundation Design: Principles and Practices" Donald Coduto 1994

"NAVFAC DM-7.1 Soil Mechanics" 1982

"GeoEngineers" based on our experience with coastal soils

"Soil Mechanics" Lambe and Whitman 1969

SETNAL INPUT

Point 1		Over Consolidated		Point 3		NC/UC	Adopted ³
ε @ e0	P @ e0 (ksf)	ε @ Pc	Pc (ksf)	ε @ Pc+1 (ksf)	Pc + 1 (ksf)	Slope	OCR
0	0.0400	4.63	0.828187787	23.37	2.828187787	-35.14772231	20.1
0	0.0400	4.05	0.840330305	20.23	2.840330305	-30.60462131	2.8
0	0.0400	0.00	0.62369	8.95	2.62369	-14.33732318	1.0
0	0.0400	0.00	0.94569	14.69	2.94569	-29.77670709	1.0
0	0.0400	0.00	1.42529	12.37	3.42529	-32.48047848	1.0

b7. dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-7 Dike Settlement July 18, 2011

7, 7, 4, 3, 1

0, 3.11, 10, 15, 25, 33, 38, 60

1, 23.6, 1, 1

2, 23.6, 2, 1

3, 23.6, 3, 1

4, 37.6, 4, 1

5, 37.6, 5, 1

6, 37.6, 6, 1

7, 37.6, 7, 1

1, 3

Three points 0 to -3.11 feet

0, 0.04, 8.34, 0.482, 35.15, 2.482

2, 3

Three points -3.11 to -10 feet

0, 0.04, 8.34, 0.482, 35.15, 2.482

3, 3

Three points -10 to -15 feet

0, 0.04, 4.59, 0.636, 28.17, 2.636

4, 1

One point NC -15 to -25 feet

-30.604

5, 1

One point NC -25 to -33 feet

-25.548

6, 1

One point NC -33 to -38 feet

-39.81

7, 1

One point NC -38 to -60 feet

-26.24

1, 0, 0, 1

2, 14.5, 0, 1

3, 0, 2640, 1

4, 14.5, 2640, 1

' A1' , ' RECT' , 6, 2640, 12, 5280, 0, 0.1154, 0, 0

' A2' , ' RECT' , 14.5, 2640, 5, 5280, 0, 0.2776, 0, 0

' A3' , ' RECT' , 23, 2640, 12, 5280, 0, 0.1154, 0, 0

5

B7. OUT

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-7 Dike Settlement July 18, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	7
NUMBER OF SOIL COMPRESSIBILITIES	=	7
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS		
2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	1.555	3.110	1.00	23.60	1	.037	.000
2	6.555	6.890	1.00	23.60	2	.155	4.532
3	12.500	5.000	1.00	23.60	3	.295	3.315
4	20.000	10.000	1.00	37.60	4	.542	.000
5	29.000	8.000	1.00	37.60	5	.880	.000
6	35.500	5.000	1.00	37.60	6	1.125	.000
7	49.000	22.000	1.00	37.60	7	1.632	.000

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-7 Dike Settlement July 18, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0	SOIL COMPRESSIBILITY NO. 1
	Three points 0 to -3.11 feet
	F % .00 8.34 35.15
	P, KSF .04 .48 2.48
0	SOIL COMPRESSIBILITY NO. 2
	Three points -3.11 to -10 feet
	F % .00 8.34 35.15
	P, KSF .04 .48 2.48
0	SOIL COMPRESSIBILITY NO. 3
	Three points -10 to -15 feet
	F % .00 4.59 28.17
	P, KSF .04 .64 2.64
0	SOIL COMPRESSIBILITY NO. 4
	One point NC -15 to -25 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 30.604 %

B7. OUT

0 SOIL COMPRESSIBILITY NO. 5
 One point NC -25 to -33 feet
 THE SLOPE OF THE F(%)-LOG P CURVE IS 25.548 %

0 SOIL COMPRESSIBILITY NO. 6
 One point NC -33 to -38 feet
 THE SLOPE OF THE F(%)-LOG P CURVE IS 39.810 %

0 SOIL COMPRESSIBILITY NO. 7
 One point NC -38 to -60 feet
 THE SLOPE OF THE F(%)-LOG P CURVE IS 26.240 %

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-7 Dike Settlement July 18, 2011

TABLE 4 - SETTLEMENT POINT DATA

POINT NO.	POINT COORDINATES		LAYER NO. *	POINT NO.	POINT COORDINATES		LAYER NO. *
	X FT	Y FT			X FT	Y FT	
1	.00	.00	1	3	.00	2640.00	1
2	14.50	.00	1	4	14.50	2640.00	1

* NUMBER OF SOIL LAYER AT WHICH SETTLEMENT COMPUTATION BEGINS

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Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-7 Dike Settlement July 18, 2011

TABLE 5 - LOADED AREA INFORMATION

AREA	SHAPE	CENTER COORD		AREA DIMEN.		AREA SLOPE	APPLIED PRESSURE KSF	AREA ELEV. FT	PRNT FLAG
		X FT	Y FT	XLEN FT	YLEN FT				
A1	RECT	6.00	2640.00	12.00	5280.00	.000	.115	.000	0
A2	RECT	14.50	2640.00	5.00	5280.00	.000	.278	.000	0
A3	RECT	23.00	2640.00	12.00	5280.00	.000	.115	.000	0

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Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-7 Dike Settlement July 18, 2011

TABLE 7 - AVERAGE STRESS INCREASE

SETTLEMENT POINT NO.	1	2	3	4

B7. OUT

DEPTH, FT	STRESS, KSF			
1. 555	. 029	. 132	. 058	. 263
6. 555	. 030	. 094	. 060	. 188
12. 500	. 032	. 070	. 064	. 140
20. 000	. 032	. 054	. 064	. 107
29. 000	. 029	. 041	. 059	. 081
35. 500	. 027	. 034	. 054	. 069
49. 000	. 022	. 026	. 045	. 052

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Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-7 Dike Settlement July 18, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	. 618	1. 796	1. 075	2. 519
2	. 514	1. 375	. 951	2. 304
3	. 106	. 219	. 201	. 400
4	. 909	1. 506	1. 768	2. 882
5	. 349	. 482	. 686	. 942
6	. 245	. 312	. 485	. 616
7	. 410	. 479	. 816	. 950
TOTAL SETTLE.	3. 151	6. 170	5. 982	10. 614

b11.dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-11 Dike Settlement July 18, 2011

8, 8, 4, 3, 1

0, 3, 5, 7, 15, 28, 44, 49, 60

1, 6. 6, 1, 1

2, 21. 6, 2, 1

3, 37. 6, 3, 1

4, 52. 6, 4, 1

5, 52. 6, 5, 1

6, 42. 6, 6, 1

7, 42. 6, 7, 1

8, 42. 6, 8, 1

1, 3

Three points 0 to -3 feet

0, 0. 04, 7. 11, 1. 183, 27. 88, 3. 183

2, 3

Three points -3 to -5 feet

0, 0. 04, 4. 72, 0. 437, 38. 65, 2. 437

3, 3

Three points -5 to -7 feet

0, 0. 04, 6. 83, 1. 382, 24. 09, 3. 382

4, 3

Three points -7 to -15 feet

0, 0. 04, 2. 48, 1. 013, 10. 87, 3. 013

5, 1

One point NC -15 to -28 feet

-17. 7025

6, 1

One point NC -28 to -44 feet

-25. 548

7, 1

One point NC -44 to -49 feet

-25. 548

8, 1

One point NC -49 to -60 feet

-25. 548

1, 0, 0, 1

2, 14. 5, 0, 1

3, 0, 2640, 1

4, 14. 5, 2640, 1

' A1' , ' RECT' , 6, 2640, 12, 5280, 0, 0. 1154, 0, 0

' A2' , ' RECT' , 14. 5, 2640, 5, 5280, 0, 0. 2776, 0, 0

' A3' , ' RECT' , 23, 2640, 12, 5280, 0, 0. 1154, 0, 0

5

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-11 Dike Settlement July 18, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	8
NUMBER OF SOIL COMPRESSIBILITIES	=	8
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS 2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	1.500	3.000	1.00	6.60	1	.010	.000
2	4.000	2.000	1.00	21.60	2	.041	.068
3	6.000	2.000	1.00	37.60	3	.101	1.778
4	11.000	8.000	1.00	52.60	4	.349	1.661
5	21.500	13.000	1.00	52.60	5	.901	.000
6	36.000	16.000	1.00	42.60	6	1.584	.000
7	46.500	5.000	1.00	42.60	7	2.031	.000
8	54.500	11.000	1.00	42.60	8	2.372	.000

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-11 Dike Settlement July 18, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0	SOIL COMPRESSIBILITY NO. 1		
	Three points 0 to -3 feet		
	F %	.00	7.11 27.88
	P, KSF	.04	1.18 3.18
0	SOIL COMPRESSIBILITY NO. 2		
	Three points -3 to -5 feet		
	F %	.00	4.72 38.65
	P, KSF	.04	.44 2.44
0	SOIL COMPRESSIBILITY NO. 3		
	Three points -5 to -7 feet		
	F %	.00	6.83 24.09
	P, KSF	.04	1.38 3.38
0	SOIL COMPRESSIBILITY NO. 4		
	Three points -7 to -15 feet		
	F %	.00	2.48 10.87

B11. OUT

0 P, KSF .04 1.01 3.01
 SOIL COMPRESSIBILITY NO. 5
 One point NC -15 to -28 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 17.702 %

0 SOIL COMPRESSIBILITY NO. 6
 One point NC -28 to -44 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 25.548 %

0 SOIL COMPRESSIBILITY NO. 7
 One point NC -44 to -49 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 25.548 %

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Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-11 Dike Settlement July 18, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE(CONT)

0 SOIL COMPRESSIBILITY NO. 8
 One point NC -49 to -60 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 25.548 %

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-11 Dike Settlement July 18, 2011

TABLE 4 - SETTLEMENT POINT DATA

POINT NO,	POINT COORDINATES		LAYER NO. *	POINT NO,	POINT COORDINATES		LAYER NO. *
	X FT	Y FT			X FT	Y FT	
1	.00	.00	1	3	.00	2640.00	1
2	14.50	.00	1	4	14.50	2640.00	1

* NUMBER OF SOIL LAYER AT WHICH SETTLEMENT COMPUTATION BEGINS

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-11 Dike Settlement July 18, 2011

TABLE 5 - LOADED AREA INFORMATION

AREA SHAPE	CENTER COORD		AREA DIMEN.		AREA SLOPE	APPLIED PRESSURE KSF	AREA ELEV. FT	PRNT FLAG
	X FT	Y FT	XLEN FT	YLEN FT				

B11. OUT

A1	RECT	6.00	2640.00	12.00	5280.00	.000	.115	.000	0
A2	RECT	14.50	2640.00	5.00	5280.00	.000	.278	.000	0
A3	RECT	23.00	2640.00	12.00	5280.00	.000	.115	.000	0

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-11 Dike Settlement July 18, 2011

TABLE 7 - AVERAGE STRESS INCREASE

SETTLEMENT POINT NO.	1	2	3	4
DEPTH, FT	STRESS, KSF			
1.500	.029	.132	.058	.264
4.000	.029	.110	.058	.219
6.000	.030	.095	.059	.190
11.000	.031	.075	.063	.150
21.500	.031	.051	.063	.103
36.000	.027	.034	.054	.069
46.500	.023	.027	.046	.054
54.500	.021	.023	.042	.047

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-11 Dike Settlement July 18, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	.000	.957	.397	1.454
2	.253	.613	.417	.872
3	.122	.314	.219	.500
4	.065	.146	.124	.268
5	.411	.665	.808	1.295
6	.357	.457	.708	.904
7	.075	.088	.150	.175

B11. OUT

8	. 128	. 144	. 254	. 287
TOTAL SETTLE.	1. 410	3. 384	3. 077	5. 756

b12.dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-12 Dike Settlement July 18, 2011

5, 5, 4, 3, 1

0, 4, 6, 8, 25, 62

1, 42.6, 1, 1

2, 52.6, 2, 1

3, 17.6, 3, 1

4, 29.6, 4, 1

5, 29.6, 5, 1

1, 3

Three points 0 to -4 feet

0, 0.04, 3.68, 4.34, 6.66, 6.34

2, 3

Three points -4 to -6 feet

0, 0.04, 5.32, 0.702, 30.34, 2.702

3, 1

One point NC -6 to -8 feet

-48.228

4, 1

One point NC -8 to -25 feet

-26.9

5, 1

One point NC -25 to -62 feet

-30.60

1, 0, 0, 1

2, 14.5, 0, 1

3, 0, 2640, 1

4, 14.5, 2640, 1

' A1' , ' RECT' , 6, 2640, 12, 5280, 0, 0.1154, 0, 0

' A2' , ' RECT' , 14.5, 2640, 5, 5280, 0, 0.2776, 0, 0

' A3' , ' RECT' , 23, 2640, 12, 5280, 0, 0.1154, 0, 0

5

B12. OUT

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-12 Dike Settlement July 18, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	5
NUMBER OF SOIL COMPRESSIBILITIES	=	5
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS 2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	1.000	2.000	1.00	42.60	1	.043	.049
2	3.000	2.000	1.00	52.60	2	.138	2.297
3	5.000	2.000	1.00	17.60	3	.208	.000
4	14.500	17.000	1.00	29.60	4	.477	.000
5	41.500	37.000	1.00	29.60	5	1.276	.000

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-12 Dike Settlement July 18, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0 SOIL COMPRESSIBILITY NO. 1
Three points 0 to -2 feet

F %	.00	3.68	6.66
P, KSF	.04	4.34	6.34

0 SOIL COMPRESSIBILITY NO. 2
Three points -2 to -4 feet

F %	.00	5.32	30.34
P, KSF	.04	.70	2.70

0 SOIL COMPRESSIBILITY NO. 3
One point NC -4 to -6 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 48.228 %

0 SOIL COMPRESSIBILITY NO. 4
One point NC -6 to -23 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 26.900 %

0 SOIL COMPRESSIBILITY NO. 5
One point NC -23 to -60 feet

1

B12. OUT
Louis J. Capozzoli & Assoc. Geotechnical Engineers Baton Rouge, La
FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-12 Dike Settlement July 18, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	.098	.270	.161	.377
2	.087	.284	.160	.457
3	.665	2.000	1.253	3.427
4	1.530	3.132	2.968	5.899
5	1.141	1.444	2.261	2.853
TOTAL SETTLE.	3.522	7.130	6.804	13.013

b13.dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-13 Dike Settlement July 18, 2011

5, 5, 4, 3, 1

1, 5, 5, 15, 23, 33, 60

1, 42.6, 1, 1

2, 54.6, 2, 1

3, 54.6, 3, 1

4, 45.6, 4, 1

5, 45.6, 5, 1

1, 3

Three points -1.5 to -5 feet

0, 0.04, 4.75, 1.5774, 15.34, 3.5774

2, 3

Three points -5 to -15 feet

0, 0.04, 2.6, 1.0292, 11.26, 3.0292

3, 1

One point NC -15 to -23 feet

-18.456

4, 1

One point NC -23 to -33 feet

-21.80

5, 1

One point NC -33 to -60 feet

-21.8

1, 0, 0, 1

2, 19, 0, 1

3, 0, 2640, 1

4, 19, 2640, 1

'A1', 'RECT', 8.25, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

'A2', 'RECT', 19, 2640, 5, 5280, 0, 0.3115, 1.5, 0

'A3', 'RECT', 29.75, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

5

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-13 Dike Settlement July 18, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	5
NUMBER OF SOIL COMPRESSIBILITIES	=	5
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS 2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	3.250	3.500	1.00	42.60	1	.075	.805
2	10.000	10.000	1.00	54.60	2	.422	1.886
3	19.000	8.000	1.00	54.60	3	.914	.000
4	28.000	10.000	1.00	45.60	4	1.360	.000
5	46.500	27.000	1.00	45.60	5	2.203	.000

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-13 Dike Settlement July 18, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0	SOIL COMPRESSIBILITY NO. 1
	Three points -1.5 to -5 feet
	F % .00 4.75 15.34
	P, KSF .04 1.58 3.58
0	SOIL COMPRESSIBILITY NO. 2
	Three points -5 to -15 feet
	F % .00 2.60 11.26
	P, KSF .04 1.03 3.03
0	SOIL COMPRESSIBILITY NO. 3
	One point NC -15 to -23 feet
	THE SLOPE OF THE F(%)-LOG P CURVE IS 18.456 %
0	SOIL COMPRESSIBILITY NO. 4
	One point NC -23 to -33 feet
	THE SLOPE OF THE F(%)-LOG P CURVE IS 21.800 %
0	SOIL COMPRESSIBILITY NO. 5
	One point NC -33 to -60 feet

1

B13.0UT
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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-13 Dike Settlement July 18, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	.176	.591	.309	.868
2	.066	.196	.127	.358
3	.258	.535	.507	1.036
4	.255	.423	.505	.830
5	.367	.483	.731	.959
TOTAL SETTLE.	1.123	2.227	2.180	4.051

b14. dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-14 Dike Settlement July 18, 2011

6, 6, 4, 3, 1

1, 5, 3, 6, 15, 29, 34. 14, 60

1, 42. 6, 1, 1

2, 42. 6, 2, 1

3, 42. 6, 3, 1

4, 42. 6, 4, 1

5, 42. 6, 5, 1

6, 42. 6, 6, 1

1, 3

Three points -1.5 to -3 feet

0, 0. 04, 4. 91, 1. 2753, 18. 28, 3. 2753

2, 3

Three points -3 to -6 feet

0, 0. 04, 3. 65, 0. 9575, 16. 63, 2. 9575

3, 3

Three points -6 to -15 feet

0, 0. 04, 3. 88, 1. 1645, 15. 38, 3. 1645

4, 1

One point NC -15 to -29 feet

-26. 495

5, 1

One point NC -29 to -34. 14 feet

-26. 495

6, 1

One point NC -34. 14 to -60 feet

-26. 495

1, 0, 0, 1

2, 19, 0, 1

3, 0, 2640, 1

4, 19, 2640, 1

' A1' , ' RECT' , 8. 25, 2640, 16. 5, 5280, 0, 0. 1132, 1. 5, 0

' A2' , ' RECT' , 19, 2640, 5, 5280, 0, 0. 3115, 1. 5, 0

' A3' , ' RECT' , 29. 75, 2640, 16. 5, 5280, 0, 0. 1132, 1. 5, 0

5

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-14 Dike Settlement July 18, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	6
NUMBER OF SOIL COMPRESSIBILITIES	=	6
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS 2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	2.250	1.500	1.00	42.60	1	.032	.000
2	4.500	3.000	1.00	42.60	2	.128	1.335
3	10.500	9.000	1.00	42.60	3	.383	2.601
4	22.000	14.000	1.00	42.60	4	.873	.000
5	31.570	5.140	1.00	42.60	5	1.281	.000
6	47.070	25.860	1.00	42.60	6	1.941	.000

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-14 Dike Settlement July 18, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0 SOIL COMPRESSIBILITY NO. 1
Three points -1.5 to -3 feet

F %	.00	4.91	18.28
P, KSF	.04	1.28	3.28

0 SOIL COMPRESSIBILITY NO. 2
Three points -3 to -6 feet

F %	.00	3.65	16.63
P, KSF	.04	.96	2.96

0 SOIL COMPRESSIBILITY NO. 3
Three points -6 to -15 feet

F %	.00	3.88	15.38
P, KSF	.04	1.16	3.16

0 SOIL COMPRESSIBILITY NO. 4
One point NC -15 to -29 feet

THE SLOPE OF THE F(%) -LOG P CURVE IS 26.495 %

0 SOIL COMPRESSIBILITY NO. 5

B14.OUT
 One point NC -29 to -34.14 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 26.495 %

0 SOIL COMPRESSIBILITY NO. 6
 One point NC -34.14 to -60 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 26.495 %

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-14 Di ke Settlement July 18, 2011

TABLE 4 - SETTLEMENT POINT DATA

POINT NO,	POINT COORDINATES		LAYER NO. *	POINT NO,	POINT COORDINATES		LAYER NO. *
	X FT	Y FT			X FT	Y FT	
1	.00	.00	1	3	.00	2640.00	1
2	19.00	.00	1	4	19.00	2640.00	1

* NUMBER OF SOIL LAYER AT WHICH SETTLEMENT COMPUTATION BEGINS

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-14 Di ke Settlement July 18, 2011

TABLE 5 - LOADED AREA INFORMATION

AREA	SHAPE	CENTER COORD		AREA DIMEN.		AREA SLOPE	APPLIED PRESSURE KSF	AREA ELEV. FT	PRNT FLAG
		X FT	Y FT	XLEN FT	YLEN FT				
A1	RECT	8.25	2640.00	16.50	5280.00	.000	.113	1.500	0
A2	RECT	19.00	2640.00	5.00	5280.00	.000	.312	1.500	0
A3	RECT	29.75	2640.00	16.50	5280.00	.000	.113	1.500	0

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-14 Di ke Settlement July 18, 2011

TABLE 7 - AVERAGE STRESS INCREASE

SETTLEMENT POINT NO.	1	2	3	4
DEPTH, FT	STRESS, KSF			
2.250	.028	.154	.057	.308
4.500	.028	.132	.057	.263

B14. OUT

10.500	.029	.090	.059	.180
22.000	.031	.061	.062	.122
31.570	.030	.047	.061	.094
47.070	.026	.035	.053	.069

1

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-14 Dike Settlement July 18, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	.105	.392	.203	.546
2	.084	.297	.154	.469
3	.094	.270	.182	.492
4	.678	1.301	1.333	2.520
5	.166	.256	.329	.503
6	.483	.630	.959	1.249
TOTAL SETTLE.	1.610	3.146	3.160	5.780

b15. dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-15 Dike Settlement July 18, 2011

7, 7, 4, 3, 1

1, 5, 5, 10, 12, 17, 28, 45, 60

1, 42. 6, 1, 1

2, 54. 6, 2, 1

3, 53. 6, 3, 1

4, 37. 6, 4, 1

5, 37. 6, 5, 1

6, 42. 6, 6, 1

7, 38. 6, 7, 1

1, 3

Three points -1.5 to -5 feet

0, 0. 04, 4. 75, 1. 569, 15. 37, 3. 569

2, 3

Three points -5 to -10 feet

0, 0. 04, 2. 67, 1. 119, 10. 88, 3. 119

3, 1

One point NC -10 to -12 feet

-25. 782

4, 1

One point NC -12 to -17 feet

-25. 782

5, 1

One point NC -17 to -28 feet

-20. 211

6, 1

One point NC -28 to -45 feet

-24. 569

7, 1

One point NC -45 to -60 feet

-30. 28

1, 0, 0, 1

2, 19, 0, 1

3, 0, 2640, 1

4, 19, 2640, 1

' A1' , ' RECT' , 8. 25, 2640, 16. 5, 5280, 0, 0. 1132, 1. 5, 0

' A2' , ' RECT' , 19, 2640, 5, 5280, 0, 0. 3115, 1. 5, 0

' A3' , ' RECT' , 29. 75, 2640, 16. 5, 5280, 0, 0. 1132, 1. 5, 0

5

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-15 Dike Settlement July 18, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	7
NUMBER OF SOIL COMPRESSIBILITIES	=	7
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS		
2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	3.250	3.500	1.00	42.60	1	.075	.806
2	7.500	5.000	1.00	54.60	2	.286	1.575
3	11.000	2.000	1.00	53.60	3	.476	.000
4	14.500	5.000	1.00	37.60	4	.623	.000
5	22.500	11.000	1.00	37.60	5	.924	.000
6	36.500	17.000	1.00	42.60	6	1.493	.000
7	52.500	15.000	1.00	38.60	7	2.145	.000

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-15 Dike Settlement July 18, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0	SOIL COMPRESSIBILITY NO. 1
	Three points -1.5 to -5 feet
	F % .00 4.75 15.37
	P, KSF .04 1.57 3.57
0	SOIL COMPRESSIBILITY NO. 2
	Three points -5 to -10 feet
	F % .00 2.67 10.88
	P, KSF .04 1.12 3.12
0	SOIL COMPRESSIBILITY NO. 3
	One point NC -10 to -12 feet
	THE SLOPE OF THE F(%)-LOG P CURVE IS 25.782 %
0	SOIL COMPRESSIBILITY NO. 4
	One point NC -12 to -17 feet
	THE SLOPE OF THE F(%)-LOG P CURVE IS 25.782 %

B15. OUT

0 SOIL COMPRESSIBILITY NO. 5
One point NC -17 to -28 feet
THE SLOPE OF THE F(%)-LOG P CURVE IS 20.211 %

0 SOIL COMPRESSIBILITY NO. 6
One point NC -28 to -45 feet
THE SLOPE OF THE F(%)-LOG P CURVE IS 24.569 %

0 SOIL COMPRESSIBILITY NO. 7
One point NC -45 to -60 feet
THE SLOPE OF THE F(%)-LOG P CURVE IS 30.280 %

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-15 Dike Settlement July 18, 2011

TABLE 4 - SETTLEMENT POINT DATA

POINT NO.	POINT COORDINATES X FT	POINT COORDINATES Y FT	LAYER NO. *	POINT NO.	POINT COORDINATES X FT	POINT COORDINATES Y FT	LAYER NO. *
1	.00	.00	1	3	.00	2640.00	1
2	19.00	.00	1	4	19.00	2640.00	1

* NUMBER OF SOIL LAYER AT WHICH SETTLEMENT COMPUTATION BEGINS

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-15 Dike Settlement July 18, 2011

TABLE 5 - LOADED AREA INFORMATION

AREA	SHAPE	CENTER COORD X FT	CENTER COORD Y FT	AREA DIMEN. XLEN FT	AREA DIMEN. YLEN FT	AREA SLOPE	APPLIED PRESSURE KSF	AREA ELEV. FT	PRNT FLAG
A1	RECT	8.25	2640.00	16.50	5280.00	.000	.113	1.500	0
A2	RECT	19.00	2640.00	5.00	5280.00	.000	.312	1.500	0
A3	RECT	29.75	2640.00	16.50	5280.00	.000	.113	1.500	0

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-15 Dike Settlement July 18, 2011

TABLE 7 - AVERAGE STRESS INCREASE

SETTLEMENT POINT NO.	1	2	3	4

DEPTH, FT	B15. OUT			
	STRESS, KSF			
3.250	.028	.145	.057	.290
7.500	.029	.105	.057	.209
11.000	.030	.086	.059	.172
14.500	.030	.076	.061	.151
22.500	.031	.060	.063	.119
36.500	.029	.042	.058	.085
52.500	.025	.031	.050	.062

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Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-15 Dike Settlement July 18, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	.177	.591	.310	.869
2	.047	.153	.090	.269
3	.162	.447	.314	.831
4	.320	.770	.625	1.461
5	.385	.725	.759	1.408
6	.421	.610	.834	1.204
7	.274	.340	.545	.674
TOTAL SETTLE.	1.785	3.636	3.476	6.715

b16.dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-16 Dike Settlement July 18, 2011

8, 8, 4, 3, 1

1, 5, 6, 8, 14, 22, 27, 32, 45. 9, 59

1, 22. 6, 1, 1

2, 29. 6, 2, 1

3, 39. 6, 3, 1

4, 52. 6, 4, 1

5, 39. 6, 5, 1

6, 9. 6, 6, 1

7, 22. 6, 7, 1

8, 22. 6, 8, 1

1, 3

Three points -1.5 to -6 feet

0, 0. 04, 6. 23, 0. 67, 30. 7, 2. 67

2, 3

Three points -6 to -8 feet

0, 0. 04, 6. 00, 1. 352, 21. 48, 3. 352

3, 3

Three points -8 to -14 feet

0, 0. 04, 3. 91, 1. 132, 15. 79, 3. 132

4, 3

Three points -14 to -22 feet

0, 0. 04, 2. 53, 0. 938, 11. 68, 2. 938

5, 1

One point NC -22 to -27 feet

-26. 9

6, 1

One point NC -27 to -32 feet

-44. 5

7, 1

One point NC -32 to -45. 9 feet

-29. 777

8, 1

One point NC -45. 9 to -59 feet

-29. 777

1, 0, 0, 1

2, 19, 0, 1

3, 0, 2640, 1

4, 19, 2640, 1

' A1' , ' RECT' , 8. 25, 2640, 16. 5, 5280, 0, 0. 1132, 1. 5, 0

' A2' , ' RECT' , 19, 2640, 5, 5280, 0, 0. 3115, 1. 5, 0

' A3' , ' RECT' , 29. 75, 2640, 16. 5, 5280, 0, 0. 1132, 1. 5, 0

5

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-16 Dike Settlement July 18, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	8
NUMBER OF SOIL COMPRESSIBILITIES	=	8
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS		
2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	3.750	4.500	1.00	22.60	1	.051	.531
2	7.000	2.000	1.00	29.60	2	.131	2.026
3	11.000	6.000	1.00	39.60	3	.280	2.275
4	18.000	8.000	1.00	52.60	4	.609	2.183
5	24.500	5.000	1.00	39.60	5	.918	.000
6	29.500	5.000	1.00	9.60	6	1.041	.000
7	38.950	13.900	1.00	22.60	7	1.222	.000
8	52.450	13.100	1.00	22.60	8	1.527	.000

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-16 Dike Settlement July 18, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0	SOIL COMPRESSIBILITY NO. 1			
		Three points -1.5 to -6 feet		
	F %	.00	6.23	30.70
	P, KSF	.04	.67	2.67
0	SOIL COMPRESSIBILITY NO. 2			
		Three points -6 to -8 feet		
	F %	.00	6.00	21.48
	P, KSF	.04	1.35	3.35
0	SOIL COMPRESSIBILITY NO. 3			
		Three points -8 to -14 feet		
	F %	.00	3.91	15.79
	P, KSF	.04	1.13	3.13
0	SOIL COMPRESSIBILITY NO. 4			
		Three points -14 to -22 feet		
	F %	.00	2.53	11.68

B16. OUT

0 P, KSF .04 .94 2.94
SOIL COMPRESSIBILITY NO. 5
One point NC -22 to -27 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 26.900 %

0 SOIL COMPRESSIBILITY NO. 6
One point NC -27 to -32 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 44.500 %

0 SOIL COMPRESSIBILITY NO. 7
One point NC -32 to -45.9 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 29.777 %

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-16 Dike Settlement July 18, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE(CONT)

0 SOIL COMPRESSIBILITY NO. 8
One point NC -45.9 to -59 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 29.777 %

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-16 Dike Settlement July 18, 2011

TABLE 4 - SETTLEMENT POINT DATA

POINT NO,	POINT COORDINATES		LAYER NO. *	POINT NO,	POINT COORDINATES		LAYER NO. *
	X FT	Y FT			X FT	Y FT	
1	.00	.00	1	3	.00	2640.00	1
2	19.00	.00	1	4	19.00	2640.00	1

* NUMBER OF SOIL LAYER AT WHICH SETTLEMENT COMPUTATION BEGINS

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
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TABLE 5 - LOADED AREA INFORMATION

AREA SHAPE	CENTER COORD		AREA DIMEN.		AREA SLOPE	APPLIED PRESSURE KSF	AREA ELEV. FT	PRNT FLAG
	X FT	Y FT	XLEN FT	YLEN FT				

B16. OUT

A1	RECT	8.25	2640.00	16.505280.00	.000	.113	1.500	0
A2	RECT	19.00	2640.00	5.005280.00	.000	.312	1.500	0
A3	RECT	29.75	2640.00	16.505280.00	.000	.113	1.500	0

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
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TABLE 7 - AVERAGE STRESS INCREASE

SETTLEMENT POINT NO.	1	2	3	4
DEPTH, FT	STRESS, KSF			
3.750	.028	.139	.057	.278
7.000	.029	.107	.057	.214
11.000	.030	.087	.059	.174
18.000	.031	.068	.062	.136
24.500	.031	.056	.063	.113
29.500	.031	.049	.062	.099
38.950	.029	.040	.057	.080
52.450	.025	.031	.050	.062

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-16 Dike Settlement July 18, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	.532	1.581	.899	2.240
2	.082	.249	.151	.404
3	.086	.233	.165	.416
4	.039	.083	.076	.158
5	.235	.417	.463	.810
6	.337	.538	.665	1.053
7	.499	.696	.986	1.371

B16. OUT

8	. 330	. 408	. 654	. 808
TOTAL SETTLE.	2. 140	4. 206	4. 059	7. 261

b17. dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
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6, 6, 4, 3, 1

1, 5, 4, 6, 14, 27, 37, 60

1, 32, 6, 1, 1

2, 38, 6, 2, 1

3, 52, 6, 3, 1

4, 47, 6, 4, 1

5, 34, 6, 5, 1

6, 16, 6, 6, 1

1, 3

Three points -1.5 to -4 feet

0, 0.04, 4.43, 0.768, 23.67, 2.768

2, 3

Three points -4 to -6 feet

0, 0.04, 4.28, 1.078, 17.91, 3.078

3, 3

Three points -6 to -14 feet

0, 0.04, 2.72, 0.719, 15.32, 2.718

4, 1

One point NC -14 to -27 feet

-21.8

5, 1

One point NC -27 to -37 feet

-5.033

6, 1

One point NC -37 to -60 feet

-5.827

1, 0, 0, 1

2, 19, 0, 1

3, 0, 2640, 1

4, 19, 2640, 1

'A1', 'RECT', 8.25, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

'A2', 'RECT', 19, 2640, 5, 5280, 0, 0.3115, 1.5, 0

'A3', 'RECT', 29.75, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

5

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-17 Dike Settlement July 18, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	6
NUMBER OF SOIL COMPRESSIBILITIES	=	6
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS 2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	2.750	2.500	1.00	32.60	1	.041	.028
2	5.000	2.000	1.00	38.60	2	.120	1.429
3	10.000	8.000	1.00	52.60	3	.369	2.092
4	20.500	13.000	1.00	47.60	4	.889	.000
5	32.000	10.000	1.00	34.60	5	1.371	.000
6	48.500	23.000	1.00	16.60	6	1.735	.000

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-17 Dike Settlement July 18, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0 SOIL COMPRESSIBILITY NO. 1
Three points -1.5 to -4 feet

F %	.00	4.43	23.67
P, KSF	.04	.77	2.77

0 SOIL COMPRESSIBILITY NO. 2
Three points -4 to -6 feet

F %	.00	4.28	17.91
P, KSF	.04	1.08	3.08

0 SOIL COMPRESSIBILITY NO. 3
Three points -6 to -14 feet

F %	.00	2.72	15.32
P, KSF	.04	.72	2.72

0 SOIL COMPRESSIBILITY NO. 4
One point NC -14 to -27 feet

THE SLOPE OF THE F(%) -LOG P CURVE IS 21.800 %

0 SOIL COMPRESSIBILITY NO. 5

B17.OUT
One point NC -27 to -37 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 5.033 %

0 SOIL COMPRESSIBILITY NO. 6
One point NC -37 to -60 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 5.827 %

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-17 Di ke Settlement July 18, 2011

TABLE 4 - SETTLEMENT POINT DATA

POINT NO,	POINT COORDINATES		LAYER NO. *	POINT NO,	POINT COORDINATES		LAYER NO. *
	X FT	Y FT			X FT	Y FT	
1	.00	.00	1	3	.00	2640.00	1
2	19.00	.00	1	4	19.00	2640.00	1

* NUMBER OF SOIL LAYER AT WHICH SETTLEMENT COMPUTATION BEGINS

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-17 Di ke Settlement July 18, 2011

TABLE 5 - LOADED AREA INFORMATION

AREA	SHAPE	CENTER COORD		AREA DIMEN.		AREA SLOPE	APPLIED PRESSURE KSF	AREA ELEV. FT	PRNT FLAG
		X FT	Y FT	XLEN FT	YLEN FT				
A1	RECT	8.25	2640.00	16.50	5280.00	.000	.113	1.500	0
A2	RECT	19.00	2640.00	5.00	5280.00	.000	.312	1.500	0
A3	RECT	29.75	2640.00	16.50	5280.00	.000	.113	1.500	0

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-17 Di ke Settlement July 18, 2011

TABLE 7 - AVERAGE STRESS INCREASE

SETTLEMENT POINT NO.	1	2	3	4
DEPTH, FT	STRESS, KSF			
2.750	.028	.150	.057	.300
5.000	.028	.126	.057	.252

B17. OUT

10.000	.029	.092	.059	.184
20.500	.031	.063	.062	.127
32.000	.030	.047	.060	.093
48.500	.026	.034	.052	.067

1

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-17 Dike Settlement July 18, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	.237	.695	.392	.956
2	.067	.227	.123	.357
3	.071	.205	.136	.373
4	.508	1.017	1.000	1.969
5	.057	.088	.113	.173
6	.104	.134	.207	.265
TOTAL SETTLE.	1.045	2.366	1.970	4.093

b18.dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-18 Dike Settlement July 18, 2011

6, 6, 4, 3, 1

1, 5, 4, 14, 18, 29, 38.4, 60

1, 22.6, 1, 1

2, 42.6, 2, 1

3, 57.6, 3, 1

4, 37.6, 4, 1

5, 17.6, 5, 1

6, 17.6, 6, 1

1, 3

Three points -1.5 to -4 feet

0, 0.04, 4.63, 0.828, 23.37, 2.828

2, 3

Three points -4 to -14 feet

0, 0.04, 4.05, 0.840, 20.23, 2.840

3, 1

One point NC -14 to -18 feet

-14.337

4, 1

One point NC -18 to -29 feet

-29.777

5, 1

One point NC -29 to -38.4 feet

-32.480

6, 1

One point NC -38.4 to -60 feet

-32.480

1, 0, 0, 1

2, 19, 0, 1

3, 0, 2640, 1

4, 19, 2640, 1

'A1', 'RECT', 8.25, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

'A2', 'RECT', 19, 2640, 5, 5280, 0, 0.3115, 1.5, 0

'A3', 'RECT', 29.75, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

5

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-18 Dike Settlement July 18, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	6
NUMBER OF SOIL COMPRESSIBILITIES	=	6
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS 2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	2.750	2.500	1.00	22.60	1	.028	.000
2	9.000	10.000	1.00	42.60	2	.270	2.538
3	16.000	4.000	1.00	57.60	3	.598	.000
4	23.500	11.000	1.00	37.60	4	.920	.000
5	33.700	9.400	1.00	17.60	5	1.209	.000
6	49.200	21.600	1.00	17.60	6	1.482	.000

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-18 Dike Settlement July 18, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0 SOIL COMPRESSIBILITY NO. 1
Three points -1.5 to -4 feet

F %	.00	4.63	23.37
P, KSF	.04	.83	2.83

0 SOIL COMPRESSIBILITY NO. 2
Three points -4 to -14 feet

F %	.00	4.05	20.23
P, KSF	.04	.84	2.84

0 SOIL COMPRESSIBILITY NO. 3
One point NC -14 to -18 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 14.337 %

0 SOIL COMPRESSIBILITY NO. 4
One point NC -18 to -29 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 29.777 %

0 SOIL COMPRESSIBILITY NO. 5

B18.OUT
 One point NC -29 to -38.4 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 32.480 %

0 SOIL COMPRESSIBILITY NO. 6
 One point NC -38.4 to -60 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 32.480 %

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-18 Di ke Settlement July 18, 2011

TABLE 4 - SETTLEMENT POINT DATA

POINT NO,	POINT COORDINATES		LAYER NO. *	POINT NO,	POINT COORDINATES		LAYER NO. *
	X FT	Y FT			X FT	Y FT	
1	.00	.00	1	3	.00	2640.00	1
2	19.00	.00	1	4	19.00	2640.00	1

* NUMBER OF SOIL LAYER AT WHICH SETTLEMENT COMPUTATION BEGINS

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Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-18 Di ke Settlement July 18, 2011

TABLE 5 - LOADED AREA INFORMATION

AREA	SHAPE	CENTER COORD		AREA DIMEN.		AREA SLOPE	APPLIED PRESSURE KSF	AREA ELEV. FT	PRNT FLAG
		X FT	Y FT	XLEN FT	YLEN FT				
A1	RECT	8.25	2640.00	16.50	5280.00	.000	.113	1.500	0
A2	RECT	19.00	2640.00	5.00	5280.00	.000	.312	1.500	0
A3	RECT	29.75	2640.00	16.50	5280.00	.000	.113	1.500	0

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-18 Di ke Settlement July 18, 2011

TABLE 7 - AVERAGE STRESS INCREASE

SETTLEMENT POINT NO.	1	2	3	4
DEPTH, FT	STRESS, KSF			
2.750	.028	.150	.057	.300
9.000	.029	.099	.058	.198

B18. OUT

16.000	.031	.072	.061	.144
23.500	.031	.058	.063	.116
33.700	.030	.045	.060	.090
49.200	.026	.033	.052	.066

1

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-18 Dike Settlement July 18, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	.159	.685	.345	.965
2	.168	.512	.320	.901
3	.150	.340	.292	.645
4	.570	1.045	1.123	2.030
5	.388	.580	.768	1.140
6	.632	.806	1.254	1.595
TOTAL SETTLE.	2.068	3.968	4.102	7.275

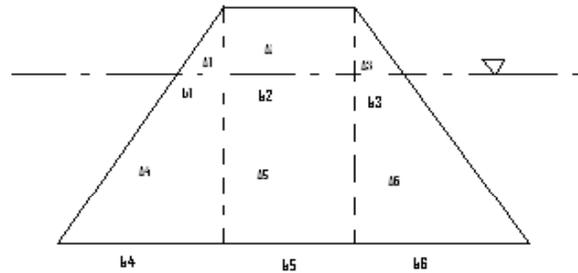
Project: Lost Lake Marsh Creation
Project #: 16715-020-00
Boring: B7, B11, B12

Area Conversion Triangle to Rectangle

Total bottom width =	29	ft
Left side slope=	3	(3H:1V)
Right side slope=	3	(3H:1V)
Crown width=	5	ft
Crown elevation=	4	ft
Avg. bottom elev. of dike=	0	ft
Water elev.=	1	ft
Height of dike=	4	ft
Unit weight of dike fill=	85	pcf

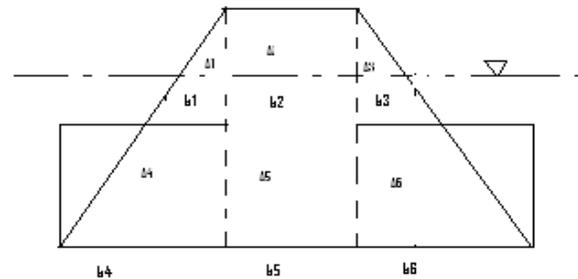
(Based on profiles provided/provided crown width and side slopes)

	ft		ft
b1=	9.00	h1=	3
b2=	5.00	h2=	3
b3=	9.00	h3=	3
b4=	12.00	h4=	4
b5=	5.00	h5=	4
b6=	12.00	h6=	4



Triangle Area

	Sq. ft
A1=	13.5
A2=	15
A3=	13.5
A4=	10.5
A5=	5
A6=	10.5



Equivalent Rectangle Area

Equivalent Rectangle Height/Width	ft		
W1=	12.00	H1=	2
W2=	5.00	H2=	4
W3=	12.00	H3=	2

Equivalent Stress	psf	ksf
S1=	115.4	0.1154
S2=	277.6	0.2776
S3=	115.4	0.1154

Project: Lost Lake Marsh Creation
Project #: 16715-020-00
Boring: 13 thru 18

Area Conversion Triangle to Rectangle

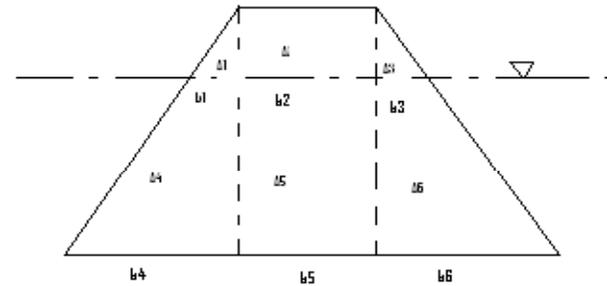
Total bottom width =	38	ft
Left side slope=	3	(3H:1V)
Right side slope=	3	(3H:1V)
Crown width=	5	ft
Crown elevation=	4	ft
Avg. bottom elev. of dike=	-1.5	ft
Water elev.=	1	ft
Height of dike=	5.5	ft
Unit weight of dike fill=	85	pcf

(Based on profiles provided/provided crown width and side slopes)

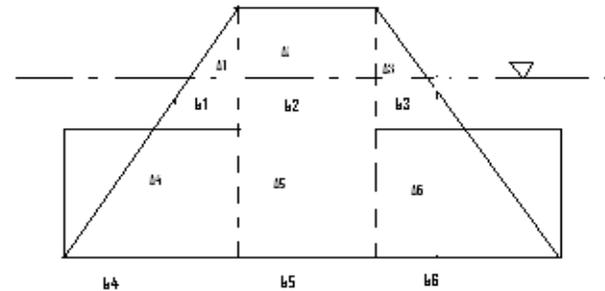
	ft	ft
b1=	9.00	h1= 3
b2=	5.00	h2= 3
b3=	9.00	h3= 3
b4=	16.50	h4= 5.5
b5=	5.00	h5= 5.5
b6=	16.50	h6= 5.5

Triangle Area

	Sq. ft
A1=	13.5
A2=	15
A3=	13.5
A4=	31.875
A5=	12.5
A6=	31.875



Equivalent Rectangle Area



Equivalent Rectangle Height/Width	ft	
W1=	16.50	H1= 2.75
W2=	5.00	H2= 5.5
W3=	16.50	H3= 2.75
Equivalent Stress	psf	ksf
S1=	113.2045	0.113205
S2=	311.5	0.3115
S3=	113.2045	0.113205

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-7

Dike Crown Elevation = +4 ft

Layer 1				Layer 2				
Total layer settlement:	2.519 in		4	Total layer settlement:	2.304 in	(from SETANL)	Total layer s	
Cv:	0.02 ft ² /day			Ch:	0.04 ft ² /day			
Hdr:	7.11 ft			Hdr:	11.8 ft			

Layer Settlement				Layer Settlement				
time, t (days)	Tv	U	(in)	time, t (days)	Tv	U	(in)	time, t (days)
0	0	0	0	0	0	0	0	0
30	0.011869	12.29309	0.30966295	30	0.008618	10.47523	0.24134936	30
60	0.023738	17.38506	0.43792955	60	0.017236	14.81422	0.34131954	60
90	0.035607	21.29226	0.53635197	90	0.025855	18.14364	0.41802935	90
180	0.071214	30.1118	0.75851623	180	0.051709	25.65897	0.59118278	180
365	0.144405	42.87922	1.08012758	365	0.104855	36.5384	0.84184465	365
730	0.288811	60.24926	1.51767895	730	0.20971	51.6731	1.19054812	730
1095	0.433216	72.16638	1.81787102	1095	0.314565	62.69716	1.4445425	1095
1460	0.577622	80.51079	2.0280667	1460	0.41942	71.20234	1.64050187	1460
1825	0.722027	86.35358	2.17524655	1825	0.524275	77.76831	1.79178181	1825
3650	1.444055	97.7031	2.46114113	3650	1.048549	93.90394	2.16354685	3650
5475	2.166082	99.6134	2.50926148	5475	1.572824	98.32843	2.26548694	5475
7300	2.888109	99.93493	2.51736086	7300	2.097099	99.54164	2.2934395	7300
LT			2.519	LT			2.304	LT

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-7

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement:		2.519 in		Settlement:		0.4 in (from SETANL)		Total layer settlement:		2.882 in	
Cv:		0.02 ft ² /day		Ch:		0.04 ft ² /day		Ch:		0.04 ft ² /day	
Hdr:		7.11 ft		Hdr:		14.8 ft		Hdr:		18.5 ft	
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day)	Tv	U	Layer Settli	
0	0	0	0	0	0	0	0	0	0	0	
30	0.011869	12.29309	0.30966295	0.005478	8.351875	0.0334075	30	0.003506	6.6815	0.192561	
60	0.023738	17.38506	0.43792955	0.010957	11.81133	0.04724534	60	0.007012	9.449068	0.272322	
90	0.035607	21.29226	0.53635197	0.016435	14.46587	0.05786348	90	0.010519	11.5727	0.333525	
180	0.071214	30.1118	0.75851623	0.032871	20.45783	0.08183133	180	0.021037	16.36627	0.471676	
365	0.144405	42.87922	1.08012758	0.066654	29.13196	0.11652786	365	0.042659	23.30557	0.671667	
730	0.288811	60.24926	1.51767895	0.133309	41.19882	0.16479528	730	0.085318	32.95906	0.94988	
1095	0.433216	72.16638	1.81787102	0.199963	50.45804	0.20183217	1095	0.127977	40.36643	1.163361	
1460	0.577622	80.51079	2.0280667	0.266618	58.26393	0.23305572	1460	0.170636	46.61114	1.343333	
1825	0.722027	86.35358	2.17524655	0.333272	64.38025	0.25752101	1825	0.213294	52.11284	1.501892	
3650	1.444055	97.7031	2.46114113	0.666545	84.35104	0.33740414	3650	0.426589	71.70737	2.066606	
5475	2.166082	99.6134	2.50926148	0.999817	93.12488	0.37249951	5475	0.639883	83.28671	2.400323	
7300	2.888109	99.93493	2.51736086	1.33309	96.97953	0.3879181	7300	0.853178	90.12696	2.597459	
LT			2.519			0.4	LT			2.882	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-7

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 2.519 in 4 (from SETANL)
 Cv: 0.02 ft²/day
 Hdr: 7.11 ft

Layer 5
 Total layer settlement: 0.942 in (from SETANL)
 Ch: 0.08 ft²/day
 Hdr: 23 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.011869	12.29309	0.30966295
60	0.023738	17.38506	0.43792955
90	0.035607	21.29226	0.53635197
180	0.071214	30.1118	0.75851623
365	0.144405	42.87922	1.08012758
730	0.288811	60.24926	1.51767895
1095	0.433216	72.16638	1.81787102
1460	0.577622	80.51079	2.0280667
1825	0.722027	86.35358	2.17524655
3650	1.444055	97.7031	2.46114113
5475	2.166082	99.6134	2.50926148
7300	2.888109	99.93493	2.51736086
LT			2.519

ement

time, t (days)	Tv	U	Layer Settlement
0	0	0	0
30	0.004537	7.600337	0.071595
60	0.009074	10.7485	0.101251
90	0.013611	13.16417	0.124006
180	0.027221	18.61695	0.175372
365	0.055198	26.51054	0.249729
730	0.110397	37.49157	0.353171
1095	0.165595	45.91761	0.432544
1460	0.220794	53.02109	0.499459
1825	0.275992	59.27938	0.558412
3650	0.551985	79.23785	0.746421
5475	0.827977	89.49344	0.843028
7300	1.10397	94.68322	0.891916
LT			0.942

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-7

Dike Crown Elevation = +4 ft

	Layer 1			Layer 6		Layer 7
Total layer settlement:	2.519 in	4	Total layer settlement:	0.616 in (from SETANL)		Total layer settlement: 0.95
Cv:	0.02 ft ² /day		Ch:	0.08 ft ² /day		Ch: 0.06
Hdr:	7.11 ft		Hdr:	26 ft		Hdr: 33

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.011869	12.29309	0.30966295
60	0.023738	17.38506	0.43792955
90	0.035607	21.29226	0.53635197
180	0.071214	30.1118	0.75851623
365	0.144405	42.87922	1.08012758
730	0.288811	60.24926	1.51767895
1095	0.433216	72.16638	1.81787102
1460	0.577622	80.51079	2.0280667
1825	0.722027	86.35358	2.17524655
3650	1.444055	97.7031	2.46114113
5475	2.166082	99.6134	2.50926148
7300	2.888109	99.93493	2.51736086
LT			2.519

time, t (day)	Tv	U	Layer Settlement
0	0	0	0
30	0.00355	6.723375	0.041416
60	0.007101	9.508288	0.058571
90	0.010651	11.64523	0.071735
180	0.021302	16.46884	0.101448
365	0.043195	23.45164	0.144462
730	0.086391	33.16562	0.2043
1095	0.129586	40.61942	0.250216
1460	0.172781	46.90327	0.288924
1825	0.215976	52.43945	0.323027
3650	0.431953	72.07943	0.444009
5475	0.647929	83.6153	0.51507
7300	0.863905	90.38493	0.556771
LT			0.616

time, t (day)	Tv	U
0	0	0
30	0.001653	4.587514
60	0.003306	6.487724
90	0.004959	7.945807
180	0.009917	11.23707
365	0.02011	16.00159
730	0.04022	22.62967
1095	0.060331	27.71557
1460	0.080441	32.00318
1825	0.100551	35.78065
3650	0.201102	50.60148
5475	0.301653	61.48933
7300	0.402204	69.95243
LT		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-7

Dike Crown Elevation = +4 ft

	Layer 1			Layer 8
Total layer settlement:	2.519 in	4	in (from SETANL)	Total layer settlement: 0 in (from SETANL)
Cv:	0.02 ft ² /day		ft ² /day	Cv: 0 ft ² /day
Hdr:	7.11 ft		ft	Hdr: 24.5 ft

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (dayTv	U	Layer Settlement
0	0	0	0	0	0	0	0
30	0.011869	12.29309	0.30966295	0.043581	30	0	0
60	0.023738	17.38506	0.43792955	0.061633	60	0	0
90	0.035607	21.29226	0.53635197	0.075485	90	0	0
180	0.071214	30.1118	0.75851623	0.106752	180	0	0
365	0.144405	42.87922	1.08012758	0.152015	365	0	0
730	0.288811	60.24926	1.51767895	0.214982	730	0	0
1095	0.433216	72.16638	1.81787102	0.263298	1095	0	0
1460	0.577622	80.51079	2.0280667	0.30403	1460	0	0
1825	0.722027	86.35358	2.17524655	0.339916	1825	0	0
3650	1.444055	97.7031	2.46114113	0.480714	3650	0	0
5475	2.166082	99.6134	2.50926148	0.584149	5475	0	0
7300	2.888109	99.93493	2.51736086	0.664548	7300	0	0
LT			2.519	0.95	LT		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-11

Dike Crown Elevation = +4 ft

Layer 1				Layer 2				
Total layer settlement:	1.454 in		4	Total layer settlement:	0.872 in	(from SETANL)	Total layer s	
Ch:	0.6 ft ² /day			Cv:	0.04 ft ² /day			
Hdr:	9 ft			Hdr:	5.5 ft			

Layer Settlement				Layer Settlement				
time, t	Tv	U	(in)	time, t	Tv	U	(in)	time, t
(days)				(days)				(days)
0	0	0	0	0	0	0	0	0
30	0.222222	53.1923	0.7734161	30	0.039669	22.47414	0.19597446	30
60	0.444444	72.92706	1.06035944	60	0.079339	31.78323	0.27714974	60
90	0.666667	84.35574	1.22653241	90	0.119008	38.92634	0.33943772	90
180	1.333333	96.98134	1.41010868	180	0.238017	55.05016	0.48003743	180
365	2.703704	99.89743	1.45250858	365	0.482645	75.36276	0.65716327	365
730	5.407407	99.99987	1.45399811	730	0.965289	92.51334	0.80671633	730
1095	8.111111	100	1.454	1095	1.447934	97.72499	0.85216188	1095
1460	10.81481	100	1.454	1460	1.930579	99.30868	0.86597168	1460
1825	13.51852	100	1.454	1825	2.413223	99.78992	0.87016814	1825
3650	27.03704	100	1.454	3650	4.826446	99.99946	0.87199525	3650
5475	40.55556	100	1.454	5475	7.239669	100	0.87199999	5475
7300	54.07407	100	1.454	7300	9.652893	100	0.872	7300
LT			1.454	LT			0.872	LT

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-11

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement:		1.454 in		Settlement:		0.5 in (from SETANL)		Total layer settlement:		0.268 in	
Ch:		0.6 ft ² /day		Cv:		0.04 ft ² /day		Cv:		0.3 ft ² /day	
Hdr:		9 ft		Hdr:		3.5 ft		Hdr:		4 ft	
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day	Tv	U	Layer Settli	
0	0	0	0	0	0	0	0	0	0	0	
30	0.222222	53.1923	0.7734161	0.097959	35.3165	0.17658249	30	0.5625	79.76971	0.213783	
60	0.444444	72.92706	1.06035944	0.195918	49.94507	0.24972536	60	1.125	94.95213	0.254472	
90	0.666667	84.35574	1.22653241	0.293878	60.74321	0.30371607	90	1.6875	98.74045	0.264624	
180	1.333333	96.98134	1.41010868	0.587755	80.99213	0.40496065	180	3.375	99.98043	0.267948	
365	2.703704	99.89743	1.45250858	1.191837	95.71972	0.47859861	365	6.84375	100	0.268	
730	5.407407	99.99987	1.45399811	2.383673	99.77403	0.49887016	730	13.6875	100	0.268	
1095	8.111111	100	1.454	3.57551	99.98807	0.49994035	1095	20.53125	100	0.268	
1460	10.81481	100	1.454	4.767347	99.99937	0.49999685	1460	27.375	100	0.268	
1825	13.51852	100	1.454	5.959184	99.99997	0.49999983	1825	34.21875	100	0.268	
3650	27.03704	100	1.454	11.91837	100	0.5	3650	68.4375	100	0.268	
5475	40.55556	100	1.454	17.87755	100	0.5	5475	102.6563	100	0.268	
7300	54.07407	100	1.454	23.83673	100	0.5	7300	136.875	100	0.268	
LT			1.454			0.5	LT			0.268	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-11

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 1.454 in 4 (from SETANL)
 Ch: 0.6 ft²/day
 Hdr: 9 ft

Layer 5
 Total layer settlement: 1.295 in (from SETANL)
 Cv: 0.3 ft²/day
 Hdr: 6.5 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.222222	53.1923	0.7734161
60	0.444444	72.92706	1.06035944
90	0.666667	84.35574	1.22653241
180	1.333333	96.98134	1.41010868
365	2.703704	99.89743	1.45250858
730	5.407407	99.99987	1.45399811
1095	8.111111	100	1.454
1460	10.81481	100	1.454
1825	13.51852	100	1.454
3650	27.03704	100	1.454
5475	40.55556	100	1.454
7300	54.07407	100	1.454
LT			1.454

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time, t (days)	Tv	U	Layer Settlement
0	0	0	0
30	0.213018	52.07904	0.674424
60	0.426036	71.66871	0.92811
90	0.639053	83.25244	1.078119
180	1.278107	96.54055	1.2502
365	2.591716	99.86477	1.293249
730	5.183432	99.99977	1.294997
1095	7.775148	100	1.295
1460	10.36686	100	1.295
1825	12.95858	100	1.295
3650	25.91716	100	1.295
5475	38.87574	100	1.295
7300	51.83432	100	1.295
LT			1.295

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-11

Dike Crown Elevation = +4 ft

	Layer 1		Layer 6		Layer 7	
Total layer settlement:	1.454 in	4	Total layer settlement:	0.904 in (from SETANL)	Total layer settlement:	0.175
Ch:	0.6 ft ² /day		Cv:	0.04 ft ² /day	Cv:	0.04
Hdr:	9 ft		Hdr:	18.4 ft	Hdr:	23.32

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.222222	53.1923	0.7734161
60	0.444444	72.92706	1.06035944
90	0.666667	84.35574	1.22653241
180	1.333333	96.98134	1.41010868
365	2.703704	99.89743	1.45250858
730	5.407407	99.99987	1.45399811
1095	8.111111	100	1.454
1460	10.81481	100	1.454
1825	13.51852	100	1.454
3650	27.03704	100	1.454
5475	40.55556	100	1.454
7300	54.07407	100	1.454
LT			1.454

time, t (day)	Tv	U	Layer Settlement
0	0	0	0
30	0.003544	6.717812	0.060729
60	0.007089	9.500421	0.085884
90	0.010633	11.63559	0.105186
180	0.021267	16.45521	0.148755
365	0.043124	23.43223	0.211827
730	0.086248	33.13818	0.299569
1095	0.129371	40.58582	0.366896
1460	0.172495	46.86446	0.423655
1825	0.215619	52.39606	0.47366
3650	0.431238	72.03016	0.651153
5475	0.646857	83.57191	0.75549
7300	0.862476	90.35096	0.816773
LT			0.904

time, t (day)	Tv	U
0	0	0
30	0.002207	5.300504
60	0.004413	7.496044
90	0.00662	9.180742
180	0.01324	12.98353
365	0.026847	18.48855
730	0.053694	26.14676
1095	0.080541	32.02311
1460	0.107388	36.97711
1825	0.134235	41.34166
3650	0.26847	58.46594
5475	0.402705	69.98957
7300	0.53694	78.45246
LT		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-11

Dike Crown Elevation = +4 ft

	Layer 1				Layer 8
Total layer settlement:	1.454 in	4	in	(from SETANL)	Total layer settlement: 0.287 in (from SETANL)
Ch:	0.6 ft ² /day		ft ² /day		Ch: 0.08 ft ² /day
Hdr:	9 ft		ft		Hdr: 36 ft

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (day	Tv	U	Layer Settlement
0	0	0	0	0	0	0	0	0
30	0.222222	53.1923	0.7734161	0.009276	30	0.001852	4.855771	0.013936
60	0.444444	72.92706	1.06035944	0.013118	60	0.003704	6.867097	0.019709
90	0.666667	84.35574	1.22653241	0.016066	90	0.005556	8.410442	0.024138
180	1.333333	96.98134	1.41010868	0.022721	180	0.011111	11.89416	0.034136
365	2.703704	99.89743	1.45250858	0.032355	365	0.022531	16.93729	0.04861
730	5.407407	99.99987	1.45399811	0.045757	730	0.045062	23.95295	0.068745
1095	8.111111	100	1.454	0.05604	1095	0.067593	29.33625	0.084195
1460	10.81481	100	1.454	0.06471	1460	0.090123	33.87458	0.09722
1825	13.51852	100	1.454	0.072348	1825	0.112654	37.87294	0.108695
3650	27.03704	100	1.454	0.102315	3650	0.225309	53.56042	0.153718
5475	40.55556	100	1.454	0.122482	5475	0.337963	64.79021	0.185948
7300	54.07407	100	1.454	0.137292	7300	0.450617	73.33637	0.210475
LT			1.454	0.175	LT			0.287

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-11

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	Final Elevation Including Foundation Settlement and Shrinkage Settlement (feet)	Construction Settlement (feet)
0	0	0	0	0	4 10%*fill above water		
30	0.082192	2.118120387	0.17651003	3.82349	0.000	3.823489968	
60	0.164384	2.888526499	0.24071054	3.759289	0.100	3.659289458	
90	0.246575	3.357819754	0.27981831	3.720182	0.150	3.570181687	
180	0.493151	4.018866993	0.33490558	3.665094	0.300	3.365094417	
365	1	4.44231164	0.37019264	3.629807	0.300	3.329807363	
730	2	4.736652638	0.39472105	3.605279	0.300	3.305278947	
1095	3	4.876233499	0.40635279	3.593647	0.300	3.293647208	
1460	4	4.968553284	0.41404611	3.585954	0.300	3.285953893	
1825	5	5.041871634	0.42015597	3.579844	0.300	3.279844031	
3650	10	5.296181667	0.44134847	3.558652	0.300	3.258651528	
5475	15	5.452919695	0.45440997	3.54559	0.300	3.245590025	
7300	20	5.553539873	0.46279499	3.537205	0.300	3.237205011	
LT		5.755	0.47958333	3.520417	0.300	3.220416667	0.10

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-11

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	2.882
30	0.082192	2.118120387	0.17651003	3.82349	0.000	Ch: 0.04
60	0.164384	2.888526499	0.24071054	3.759289	0.100	21
90	0.246575	3.357819754	0.27981831	3.720182	0.150	
180	0.493151	4.018866993	0.33490558	3.665094	0.300	
365	1	4.44231164	0.37019264	3.629807	0.300	
730	2	4.736652638	0.39472105	3.605279	0.300	
1095	3	4.876233499	0.40635279	3.593647	0.300	
1460	4	4.968553284	0.41404611	3.585954	0.300	
1825	5	5.041871634	0.42015597	3.579844	0.300	
3650	10	5.296181667	0.44134847	3.558652	0.300	
5475	15	5.452919695	0.45440997	3.54559	0.300	
7300	20	5.553539873	0.46279499	3.537205	0.300	
LT		5.755	0.47958333	3.520417	0.300	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-11

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)		
0	0	0	0	0	4 10%*fill above water	0.942	
30	0.082192	2.118120387	0.17651003	3.82349	0.000	Ch: 0.08	Ch:
60	0.164384	2.888526499	0.24071054	3.759289	0.100	25	
90	0.246575	3.357819754	0.27981831	3.720182	0.150		
180	0.493151	4.018866993	0.33490558	3.665094	0.300		
365	1	4.44231164	0.37019264	3.629807	0.300		0
730	2	4.736652638	0.39472105	3.605279	0.300		0
1095	3	4.876233499	0.40635279	3.593647	0.300		0
1460	4	4.968553284	0.41404611	3.585954	0.300		0
1825	5	5.041871634	0.42015597	3.579844	0.300		0
3650	10	5.296181667	0.44134847	3.558652	0.300		0
5475	15	5.452919695	0.45440997	3.54559	0.300		0
7300	20	5.553539873	0.46279499	3.537205	0.300		0
LT		5.755	0.47958333	3.520417	0.300		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-11

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	0.616
30	0.082192	2.118120387	0.17651003	3.82349	0.000	0.08
60	0.164384	2.888526499	0.24071054	3.759289	0.100	27.5
90	0.246575	3.357819754	0.27981831	3.720182	0.150	
180	0.493151	4.018866993	0.33490558	3.665094	0.300	
365	1	4.44231164	0.37019264	3.629807	0.300	0
730	2	4.736652638	0.39472105	3.605279	0.300	0
1095	3	4.876233499	0.40635279	3.593647	0.300	0
1460	4	4.968553284	0.41404611	3.585954	0.300	0
1825	5	5.041871634	0.42015597	3.579844	0.300	0
3650	10	5.296181667	0.44134847	3.558652	0.300	0
5475	15	5.452919695	0.45440997	3.54559	0.300	0
7300	20	5.553539873	0.46279499	3.537205	0.300	0
LT		5.755	0.47958333	3.520417	0.300	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-12

Dike Crown Elevation = +4 ft

Layer 1				Layer 2				
Total layer settlement:		0.525 in		Total layer settlement:		0.298 in		(from SETANL)
Ch:		0.4 ft ² /day		Ch:		0.06 ft ² /day		
Hdr:		9 ft		Hdr:		11 ft		Total layer s

time, t (days)	Tv	U	Layer Settlement (in)	time, t (days)	Tv	U	Layer Settlement (in)	time, t (days)
0	0	0	0	0	0	0	0	0
30	0.148148	43.43133	0.22801451	30	0.014876	13.76254	0.04101237	30
60	0.296296	60.97685	0.32012847	60	0.029752	19.46317	0.05800025	60
90	0.444444	72.92706	0.38286706	90	0.044628	23.83742	0.07103551	90
180	0.888889	90.95987	0.4775393	180	0.089256	33.7112	0.10045939	180
365	1.802469	99.05161	0.52002093	365	0.180992	48.00477	0.14305423	365
730	3.604938	99.98891	0.52494176	730	0.361983	66.81682	0.19911412	730
1095	5.407407	99.99987	0.52499932	1095	0.542975	78.77102	0.23473765	1095
1460	7.209877	100	0.52499999	1460	0.723967	86.41874	0.25752785	1460
1825	9.012346	100	0.525	1825	0.904959	91.31138	0.2721079	1825
3650	18.02469	100	0.525	3650	1.809917	99.06888	0.29522526	3650
5475	27.03704	100	0.525	5475	2.714876	99.90022	0.29770264	5475
7300	36.04938	100	0.525	7300	3.619835	99.98931	0.29796813	7300
LT			0.525	LT			0.298	LT

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-12

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement:		0.525 in		Settlement:		2.401 in (from SETANL)		Total layer settlement:		4.737 in	
Ch:		0.4 ft ² /day		Ch:		0.048 ft ² /day		Ch:		0.06 ft ² /day	
Hdr:		9 ft		Hdr:		12 ft		Hdr:		17 ft	
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day	Tv	U	Layer Settl	
0	0	0	0	0	0	0	0	0	0	0	
30	0.148148	43.43133	0.22801451	0.01	11.28379	0.27092384	30	0.006228	8.905174	0.421838	
60	0.296296	60.97685	0.32012847	0.02	15.95769	0.38314417	60	0.012457	12.59382	0.596569	
90	0.444444	72.92706	0.38286706	0.03	19.5441	0.46925385	90	0.018685	15.42421	0.730645	
180	0.888889	90.95987	0.4775393	0.06	27.63953	0.66362516	180	0.03737	21.81313	1.033288	
365	1.802469	99.05161	0.52002093	0.121667	39.35871	0.94500265	365	0.075779	31.06191	1.471403	
730	3.604938	99.98891	0.52494176	0.243333	55.66162	1.33643556	730	0.151557	43.92818	2.080878	
1095	5.407407	99.99987	0.52499932	0.365	67.06294	1.61018109	1095	0.227336	53.80081	2.548544	
1460	7.209877	100	0.52499999	0.486667	75.6061	1.81530255	1460	0.303114	61.62797	2.919317	
1825	9.012346	100	0.525	0.608333	81.93336	1.96721991	1825	0.378893	68.17309	3.229359	
3650	18.02469	100	0.525	1.216667	95.97414	2.30433905	3650	0.757785	87.50625	4.145171	
5475	27.03704	100	0.525	1.825	99.1029	2.37946066	5475	1.136678	95.09554	4.504676	
7300	36.04938	100	0.525	2.433333	99.8001	2.3962003	7300	1.515571	98.07474	4.6458	
LT			0.525			2.401	LT			4.737	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-12

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 0.525 in 4 (from SETANL)
 Ch: 0.4 ft²/day
 Hdr: 9 ft

Layer 5
 Total layer settlement: 2.563 in (from SETANL)
 Ch: 0.04 ft²/day
 Hdr: 30 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.148148	43.43133	0.22801451
60	0.296296	60.97685	0.32012847
90	0.444444	72.92706	0.38286706
180	0.888889	90.95987	0.4775393
365	1.802469	99.05161	0.52002093
730	3.604938	99.98891	0.52494176
1095	5.407407	99.99987	0.52499932
1460	7.209877	100	0.52499999
1825	9.012346	100	0.525
3650	18.02469	100	0.525
5475	27.03704	100	0.525
7300	36.04938	100	0.525
LT			0.525

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time, t (days)	Tv	U	Layer Settlement
0	0	0	0
30	0.001333	4.120258	0.105602
60	0.002667	5.826925	0.149344
90	0.004	7.136496	0.182908
180	0.008	10.09253	0.258672
365	0.016222	14.37177	0.368348
730	0.032444	20.32475	0.520923
1095	0.048667	24.89263	0.637998
1460	0.064889	28.74354	0.736697
1825	0.081111	32.13625	0.823652
3650	0.162222	45.44752	1.16482
5475	0.243333	55.66162	1.426607
7300	0.324444	63.59569	1.629958
LT			2.563

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-12

Dike Crown Elevation = +4 ft

Layer 1				Layer 6				Layer 7			
Total layer settlement:		0.525 in		Total layer settlement:		0 in (from SETANL)		Total layer settlement:		0	
Ch:		0.4 ft ² /day		Ch:		0 ft ² /day		Cv:		0	
Hdr:		9 ft		Hdr:		1 ft		Hdr:		1	
Layer Settlement				Layer Settlement				Layer Settlement			
time, t	Tv	U	(in)	time, t (day)	Tv	U	Layer Settlement	time, t (day)	Tv	U	
(days)											
0	0	0	0	0	0	0	0	0	0	0	0
30	0.148148	43.43133	0.22801451	30	0	0	0	30	0	0	0
60	0.296296	60.97685	0.32012847	60	0	0	0	60	0	0	0
90	0.444444	72.92706	0.38286706	90	0	0	0	90	0	0	0
180	0.888889	90.95987	0.4775393	180	0	0	0	180	0	0	0
365	1.802469	99.05161	0.52002093	365	0	0	0	365	0	0	0
730	3.604938	99.98891	0.52494176	730	0	0	0	730	0	0	0
1095	5.407407	99.99987	0.52499932	1095	0	0	0	1095	0	0	0
1460	7.209877	100	0.52499999	1460	0	0	0	1460	0	0	0
1825	9.012346	100	0.525	1825	0	0	0	1825	0	0	0
3650	18.02469	100	0.525	3650	0	0	0	3650	0	0	0
5475	27.03704	100	0.525	5475	0	0	0	5475	0	0	0
7300	36.04938	100	0.525	7300	0	0	0	7300	0	0	0
LT			0.525	LT			0	LT			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-12

Dike Crown Elevation = +4 ft

	Layer 1				Layer 8		
Total layer settlement:	0.525 in	4	in	(from SETANL)	Total layer settlement:	0 in	(from SETA)
Ch:	0.4 ft ² /day		ft ² /day		Ch:	0 ft ² /day	
Hdr:	9 ft		ft		Hdr:	1 ft	

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (dayTv)	U	Layer Settlement
0	0	0	0	0	0	0	0
30	0.148148	43.43133	0.22801451	0	30	0	0
60	0.296296	60.97685	0.32012847	0	60	0	0
90	0.444444	72.92706	0.38286706	0	90	0	0
180	0.888889	90.95987	0.4775393	0	180	0	0
365	1.802469	99.05161	0.52002093	0	365	0	0
730	3.604938	99.98891	0.52494176	0	730	0	0
1095	5.407407	99.99987	0.52499932	0	1095	0	0
1460	7.209877	100	0.52499999	0	1460	0	0
1825	9.012346	100	0.525	0	1825	0	0
3650	18.02469	100	0.525	0	3650	0	0
5475	27.03704	100	0.525	0	5475	0	0
7300	36.04938	100	0.525	0	7300	0	0
LT			0.525	0	LT		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-12

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	Final Elevation Including Foundation Settlement and Shrinkage Settlement (feet)	Construction Settlement (feet)
0	0	0	0	0	4 10%*fill above water		
30	0.082192	1.067391006	0.08894925	3.911051	0.000	3.911050749	
60	0.164384	1.507186106	0.12559884	3.874401	0.100	3.774401158	
90	0.246575	1.836709808	0.15305915	3.846941	0.150	3.696940849	
180	0.493151	2.53358343	0.21113195	3.788868	0.300	3.488868048	
365	1	3.44782905	0.28731909	3.712681	0.300	3.412680913	
730	2	4.662292599	0.38852438	3.611476	0.300	3.311475617	
1095	3	5.556460696	0.46303839	3.536962	0.300	3.236961609	
1460	4	6.253844092	0.52115367	3.478846	0.300	3.178846326	
1825	5	6.817339163	0.5681116	3.431888	0.300	3.131888403	
3650	10	8.434555226	0.7028796	3.29712	0.300	2.997120398	
5475	15	9.133446294	0.76112052	3.238879	0.300	2.938879475	
7300	20	9.494926324	0.79124386	3.208756	0.300	2.90875614	
LT		10.524	0.877	3.123	0.300	2.823	0.18

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-12

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	2.882
30	0.082192	1.067391006	0.08894925	3.911051	0.000	Ch: 0.04
60	0.164384	1.507186106	0.12559884	3.874401	0.100	21
90	0.246575	1.836709808	0.15305915	3.846941	0.150	
180	0.493151	2.53358343	0.21113195	3.788868	0.300	
365	1	3.44782905	0.28731909	3.712681	0.300	
730	2	4.662292599	0.38852438	3.611476	0.300	
1095	3	5.556460696	0.46303839	3.536962	0.300	
1460	4	6.253844092	0.52115367	3.478846	0.300	
1825	5	6.817339163	0.5681116	3.431888	0.300	
3650	10	8.434555226	0.7028796	3.29712	0.300	
5475	15	9.133446294	0.76112052	3.238879	0.300	
7300	20	9.494926324	0.79124386	3.208756	0.300	
LT		10.524	0.877	3.123	0.300	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-12

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)		
0	0	0	0	0	4	10%*fill above water	0.942
30	0.082192	1.067391006	0.08894925	3.911051	0.000		Ch: 0.08
60	0.164384	1.507186106	0.12559884	3.874401	0.100		25
90	0.246575	1.836709808	0.15305915	3.846941	0.150		
180	0.493151	2.53358343	0.21113195	3.788868	0.300		
365	1	3.44782905	0.28731909	3.712681	0.300		0
730	2	4.662292599	0.38852438	3.611476	0.300		0
1095	3	5.556460696	0.46303839	3.536962	0.300		0
1460	4	6.253844092	0.52115367	3.478846	0.300		0
1825	5	6.817339163	0.5681116	3.431888	0.300		0
3650	10	8.434555226	0.7028796	3.29712	0.300		0
5475	15	9.133446294	0.76112052	3.238879	0.300		0
7300	20	9.494926324	0.79124386	3.208756	0.300		0
LT		10.524	0.877	3.123	0.300		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-12

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	0.616
30	0.082192	1.067391006	0.08894925	3.911051	0.000	0.08
60	0.164384	1.507186106	0.12559884	3.874401	0.100	27.5
90	0.246575	1.836709808	0.15305915	3.846941	0.150	
180	0.493151	2.53358343	0.21113195	3.788868	0.300	
365	1	3.44782905	0.28731909	3.712681	0.300	0
730	2	4.662292599	0.38852438	3.611476	0.300	0
1095	3	5.556460696	0.46303839	3.536962	0.300	0
1460	4	6.253844092	0.52115367	3.478846	0.300	0
1825	5	6.817339163	0.5681116	3.431888	0.300	0
3650	10	8.434555226	0.7028796	3.29712	0.300	0
5475	15	9.133446294	0.76112052	3.238879	0.300	0
7300	20	9.494926324	0.79124386	3.208756	0.300	0
LT		10.524	0.877	3.123	0.300	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-13

Dike Crown Elevation = +4 ft

Layer 1				Layer 2				
Total layer settlement:	0.868 in		4	Total layer settlement:	0.358 in	(from SETANL)	Total layer s	
Cv:	0.02 ft ² /day			Ch:	0.4 ft ² /day			
Hdr:	9 ft			Hdr:	15 ft			

Layer Settlement				Layer Settlement				
time, t	Tv	U	(in)	time, t	Tv	U	(in)	time, t
(days)				(days)				(days)
0	0	0	0	0	0	0	0	0
30	0.007407	9.711542	0.08429618	30	0.053333	26.0588	0.09329051	30
60	0.014815	13.73419	0.1192128	60	0.106667	36.85271	0.1319327	60
90	0.022222	16.82088	0.14600527	90	0.16	45.13517	0.1615839	90
180	0.044444	23.78832	0.20648263	180	0.32	63.19419	0.22623519	180
365	0.090123	33.87458	0.2940314	365	0.648889	83.65407	0.29948158	365
730	0.180247	47.9059	0.41582319	730	1.297778	96.70449	0.34620206	730
1095	0.27037	58.6725	0.50927732	1095	1.946667	99.33559	0.35562141	1095
1460	0.360494	66.6946	0.57890913	1460	2.595556	99.86605	0.35752045	1460
1825	0.450617	73.33637	0.63655967	1825	3.244444	99.97299	0.35790332	1825
3650	0.901235	91.23115	0.79188639	3650	6.488889	99.99999	0.35799997	3650
5475	1.351852	97.1162	0.84296857	5475	9.733333	100	0.358	5475
7300	1.802469	99.05161	0.85976793	7300	12.97778	100	0.358	7300
LT			0.868	LT			0.358	LT

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-13

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement:		0.868 in		Settlement:		1.036 in (from SETANL)		Total layer settlement:		0.83 in	
Cv:		0.02 ft ² /day		Ch:		0.4 ft ² /day		Ch:		0.16 ft ² /day	
Hdr:		9 ft		Hdr:		19.5 ft		Hdr:		24 ft	
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day	Tv	U	Layer Settl	
0	0	0	0	0	0	0	0	0	0	0	
30	0.007407	9.711542	0.08429618	0.031558	20.04523	0.2076686	30	0.008333	10.30065	0.085495	
60	0.014815	13.73419	0.1192128	0.063116	28.34824	0.29368774	60	0.016667	14.56731	0.120909	
90	0.022222	16.82088	0.14600527	0.094675	34.71936	0.35969256	90	0.025	17.84124	0.148082	
180	0.044444	23.78832	0.20648263	0.189349	49.10059	0.5086821	180	0.05	25.23133	0.20942	
365	0.090123	33.87458	0.2940314	0.383958	68.56847	0.71036931	365	0.101389	35.92942	0.298214	
730	0.180247	47.9059	0.41582319	0.767916	87.81473	0.90976062	730	0.202778	50.81188	0.421739	
1095	0.27037	58.6725	0.50927732	1.151874	95.27606	0.98705995	1095	0.304167	61.72751	0.512338	
1460	0.360494	66.6946	0.57890913	1.535832	98.16864	1.01702709	1460	0.405556	70.19995	0.58266	
1825	0.450617	73.33637	0.63655967	1.91979	99.29002	1.02864465	1825	0.506944	76.79684	0.637414	
3650	0.901235	91.23115	0.79188639	3.839579	99.99378	1.03593559	3650	1.013889	93.35954	0.774884	
5475	1.351852	97.1162	0.84296857	5.759369	99.99995	1.03599944	5475	1.520833	98.09958	0.814227	
7300	1.802469	99.05161	0.85976793	7.679158	100	1.036	7300	2.027778	99.45612	0.825486	
LT			0.868			1.036	LT			0.83	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-13

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 0.868 in 4 (from SETANL)
 Cv: 0.02 ft²/day
 Hdr: 9 ft

Layer 5
 Total layer settlement: 0.959 in (from SETANL)
 Ch: 0.16 ft²/day
 Hdr: 33 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.007407	9.711542	0.08429618
60	0.014815	13.73419	0.1192128
90	0.022222	16.82088	0.14600527
180	0.044444	23.78832	0.20648263
365	0.090123	33.87458	0.2940314
730	0.180247	47.9059	0.41582319
1095	0.27037	58.6725	0.50927732
1460	0.360494	66.6946	0.57890913
1825	0.450617	73.33637	0.63655967
3650	0.901235	91.23115	0.79188639
5475	1.351852	97.1162	0.84296857
7300	1.802469	99.05161	0.85976793
LT			0.868

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time, t (days)	Tv	U	Layer Settlement
0	0	0	0
30	0.004408	7.491378	0.071842
60	0.008815	10.59441	0.1016
90	0.013223	12.97545	0.124435
180	0.026446	18.35005	0.175977
365	0.053627	26.13049	0.250591
730	0.107254	36.95409	0.35439
1095	0.160882	45.25934	0.434037
1460	0.214509	52.26098	0.501183
1825	0.268136	58.42955	0.560339
3650	0.536272	78.4169	0.752018
5475	0.804408	88.86417	0.852207
7300	1.072544	94.25445	0.9039
LT			0.959

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-13

Dike Crown Elevation = +4 ft

Layer 1				Layer 6				Layer 7			
Total layer settlement:		0.868 in		Total layer settlement:		0 in (from SETANL)		Total layer settlement:		0	
Cv:		0.02 ft ² /day		Ch:		0 ft ² /day		Cv:		0	
Hdr:		9 ft		Hdr:		1 ft		Hdr:		1	
time, t	Layer		Settlement	time, t (day)	U	Layer Settlement	time, t (day)	U			
(days)	Tv	U	(in)								
0	0	0	0	0	0	0	0	0	0	0	
30	0.007407	9.711542	0.08429618	30	0	0	30	0	0	0	
60	0.014815	13.73419	0.1192128	60	0	0	60	0	0	0	
90	0.022222	16.82088	0.14600527	90	0	0	90	0	0	0	
180	0.044444	23.78832	0.20648263	180	0	0	180	0	0	0	
365	0.090123	33.87458	0.2940314	365	0	0	365	0	0	0	
730	0.180247	47.9059	0.41582319	730	0	0	730	0	0	0	
1095	0.27037	58.6725	0.50927732	1095	0	0	1095	0	0	0	
1460	0.360494	66.6946	0.57890913	1460	0	0	1460	0	0	0	
1825	0.450617	73.33637	0.63655967	1825	0	0	1825	0	0	0	
3650	0.901235	91.23115	0.79188639	3650	0	0	3650	0	0	0	
5475	1.351852	97.1162	0.84296857	5475	0	0	5475	0	0	0	
7300	1.802469	99.05161	0.85976793	7300	0	0	7300	0	0	0	
LT			0.868	LT		0	LT				

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-13

Dike Crown Elevation = +4 ft

	Layer 1				Layer 8		
Total layer settlement:	0.868 in	4	in	(from SETANL)	Total layer settlement:	0 in	(from SETANL)
Cv:	0.02 ft ² /day		ft ² /day		Ch:	0 ft ² /day	
Hdr:	9 ft		ft		Hdr:	1 ft	

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (dayTv)	U	Layer Settlement
0	0	0	0	0	0	0	0
30	0.007407	9.711542	0.08429618	0	30	0	0
60	0.014815	13.73419	0.1192128	0	60	0	0
90	0.022222	16.82088	0.14600527	0	90	0	0
180	0.044444	23.78832	0.20648263	0	180	0	0
365	0.090123	33.87458	0.2940314	0	365	0	0
730	0.180247	47.9059	0.41582319	0	730	0	0
1095	0.27037	58.6725	0.50927732	0	1095	0	0
1460	0.360494	66.6946	0.57890913	0	1460	0	0
1825	0.450617	73.33637	0.63655967	0	1825	0	0
3650	0.901235	91.23115	0.79188639	0	3650	0	0
5475	1.351852	97.1162	0.84296857	0	5475	0	0
7300	1.802469	99.05161	0.85976793	0	7300	0	0
LT			0.868	0	LT		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-13

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	Final Elevation Including Foundation Settlement and Shrinkage Settlement (feet)	Construction Settlement (feet)
0	0	0	0	0	4 10%*fill above water		
30	0.082192	0.542592959	0.04521608	3.954784	0.000	3.95478392	
60	0.164384	0.767342322	0.06394519	3.936055	0.100	3.836054806	
90	0.246575	0.939798574	0.07831655	3.921683	0.150	3.771683452	
180	0.493151	1.326796945	0.11056641	3.889434	0.300	3.589433588	
365	1	1.852687892	0.15439066	3.845609	0.300	3.545609342	
730	2	2.447914193	0.20399285	3.796007	0.300	3.496007151	
1095	3	2.798334015	0.2331945	3.766805	0.300	3.466805499	
1460	4	3.037299046	0.25310825	3.746892	0.300	3.446891746	
1825	5	3.220860762	0.26840506	3.731595	0.300	3.431594937	
3650	10	3.712724175	0.30939368	3.690606	0.300	3.390606319	
5475	15	3.903401886	0.32528349	3.674717	0.300	3.374716509	
7300	20	3.983153925	0.33192949	3.668071	0.300	3.368070506	
LT		4.051	0.33758333	3.662417	0.300	3.362416667	0.07

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-13

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	2.882
30	0.082192	0.542592959	0.04521608	3.954784	0.000	Ch: 0.04
60	0.164384	0.767342322	0.06394519	3.936055	0.100	21
90	0.246575	0.939798574	0.07831655	3.921683	0.150	
180	0.493151	1.326796945	0.11056641	3.889434	0.300	
365	1	1.852687892	0.15439066	3.845609	0.300	
730	2	2.447914193	0.20399285	3.796007	0.300	
1095	3	2.798334015	0.2331945	3.766805	0.300	
1460	4	3.037299046	0.25310825	3.746892	0.300	
1825	5	3.220860762	0.26840506	3.731595	0.300	
3650	10	3.712724175	0.30939368	3.690606	0.300	
5475	15	3.903401886	0.32528349	3.674717	0.300	
7300	20	3.983153925	0.33192949	3.668071	0.300	
LT		4.051	0.33758333	3.662417	0.300	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-13

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)		
0	0	0	0	0	4 10%*fill above water	0.942	
30	0.082192	0.542592959	0.04521608	3.954784	0.000	Ch:	0.08
60	0.164384	0.767342322	0.06394519	3.936055	0.100		Ch:
90	0.246575	0.939798574	0.07831655	3.921683	0.150		25
180	0.493151	1.326796945	0.11056641	3.889434	0.300		
365	1	1.852687892	0.15439066	3.845609	0.300		0
730	2	2.447914193	0.20399285	3.796007	0.300		0
1095	3	2.798334015	0.2331945	3.766805	0.300		0
1460	4	3.037299046	0.25310825	3.746892	0.300		0
1825	5	3.220860762	0.26840506	3.731595	0.300		0
3650	10	3.712724175	0.30939368	3.690606	0.300		0
5475	15	3.903401886	0.32528349	3.674717	0.300		0
7300	20	3.983153925	0.33192949	3.668071	0.300		0
LT		4.051	0.33758333	3.662417	0.300		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-13

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	0.616
30	0.082192	0.542592959	0.04521608	3.954784	0.000	0.08
60	0.164384	0.767342322	0.06394519	3.936055	0.100	27.5
90	0.246575	0.939798574	0.07831655	3.921683	0.150	
180	0.493151	1.326796945	0.11056641	3.889434	0.300	
365	1	1.852687892	0.15439066	3.845609	0.300	0
730	2	2.447914193	0.20399285	3.796007	0.300	0
1095	3	2.798334015	0.2331945	3.766805	0.300	0
1460	4	3.037299046	0.25310825	3.746892	0.300	0
1825	5	3.220860762	0.26840506	3.731595	0.300	0
3650	10	3.712724175	0.30939368	3.690606	0.300	0
5475	15	3.903401886	0.32528349	3.674717	0.300	0
7300	20	3.983153925	0.33192949	3.668071	0.300	0
LT		4.051	0.33758333	3.662417	0.300	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-14

Dike Crown Elevation = +4 ft

Layer 1				Layer 2				
Total layer settlement:	0.546 in			0.469 in			(from SETANL)	Total layer s
Cv:	0.02 ft ² /day			Cv			0.04 ft ² /day	
Hdr:	7 ft			Hdr:			12 ft	
Layer Settlement				Layer Settlement				
time, t				time, t				time, t
(days)	Tv	U	(in)	(days)	Tv	U	(in)	(days)
0	0	0	0	0	0	0	0	0
30	0.012245	12.48627	0.06817502	30	0.008333	10.30065	0.04831003	30
60	0.02449	17.65825	0.09641404	60	0.016667	14.56731	0.0683207	60
90	0.036735	21.62685	0.1180826	90	0.025	17.84124	0.08367542	90
180	0.073469	30.58498	0.16699402	180	0.05	25.23133	0.11833492	180
365	0.14898	43.55304	0.23779958	365	0.101389	35.92942	0.16850899	365
730	0.297959	61.13667	0.33380623	730	0.202778	50.81188	0.2383077	730
1095	0.446939	73.0932	0.3990889	1095	0.304167	61.72751	0.28950201	1095
1460	0.595918	81.37124	0.44428697	1460	0.405556	70.19995	0.32923777	1460
1825	0.744898	87.10249	0.47557958	1825	0.506944	76.79684	0.36017716	1825
3650	1.489796	97.94829	0.53479767	3650	1.013889	93.35954	0.43785623	3650
5475	2.234694	99.67362	0.54421796	5475	1.520833	98.09958	0.46008703	5475
7300	2.979592	99.94808	0.54571652	7300	2.027778	99.45612	0.46644922	7300
LT			0.546	LT			0.469	LT

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-14

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement: 0.546 in				Settlement: 0.492 in (from SETANL)				Total layer settlement: 2.52 in			
Cv: 0.02 ft ² /day				Cv: 0.04 ft ² /day				Cv: 0.04 ft ² /day			
Hdr: 7 ft				Hdr: 9 ft				Hdr: 14 ft			
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day	Tv	U	Layer Settli	
0	0	0	0	0	0	0	0	0	0	0	
30	0.012245	12.48627	0.06817502	0.014815	13.73419	0.06757223	30	0.006122	8.829125	0.222494	
60	0.02449	17.65825	0.09641404	0.02963	19.42308	0.09556157	60	0.012245	12.48627	0.314654	
90	0.036735	21.62685	0.1180826	0.044444	23.78832	0.11703854	90	0.018367	15.29249	0.385371	
180	0.073469	30.58498	0.16699402	0.088889	33.64177	0.16551749	180	0.036735	21.62685	0.544997	
365	0.14898	43.55304	0.23779958	0.180247	47.9059	0.23569701	365	0.07449	30.79665	0.776076	
730	0.297959	61.13667	0.33380623	0.360494	66.6946	0.32813743	730	0.14898	43.55304	1.097537	
1095	0.446939	73.0932	0.3990889	0.540741	78.65363	0.38697588	1095	0.223469	53.34136	1.344202	
1460	0.595918	81.37124	0.44428697	0.720988	86.31851	0.42468709	1460	0.297959	61.13667	1.540644	
1825	0.744898	87.10249	0.47557958	0.901235	91.23115	0.44885726	1825	0.372449	67.66291	1.705105	
3650	1.489796	97.94829	0.53479767	1.802469	99.05161	0.4873339	3650	0.744898	87.10249	2.194983	
5475	2.234694	99.67362	0.54421796	2.703704	99.89743	0.49149534	5475	1.117347	94.85588	2.390368	
7300	2.979592	99.94808	0.54571652	3.604938	99.98891	0.49194542	7300	1.489796	97.94829	2.468297	
LT			0.546			0.492	LT			2.52	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-14

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 0.546 in 4 (from SETANL)
 Cv: 0.02 ft²/day
 Hdr: 7 ft

Layer 5
 Total layer settlement: 0.503 in (from SETANL)
 Cv: 0.04 ft²/day
 Hdr: 19.14 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.012245	12.48627	0.06817502
60	0.02449	17.65825	0.09641404
90	0.036735	21.62685	0.1180826
180	0.073469	30.58498	0.16699402
365	0.14898	43.55304	0.23779958
730	0.297959	61.13667	0.33380623
1095	0.446939	73.0932	0.3990889
1460	0.595918	81.37124	0.44428697
1825	0.744898	87.10249	0.47557958
3650	1.489796	97.94829	0.53479767
5475	2.234694	99.67362	0.54421796
7300	2.979592	99.94808	0.54571652
LT			0.546

ement

time, t (days)	Tv	U	Layer Settlement
0	0	0	0
30	0.003276	6.458085	0.032484
60	0.006551	9.133111	0.04594
90	0.009827	11.18573	0.056264
180	0.019654	15.81901	0.07957
365	0.039854	22.52628	0.113307
730	0.079707	31.85698	0.160241
1095	0.119561	39.01667	0.196254
1460	0.159415	45.05257	0.226614
1825	0.199269	50.3703	0.253363
3650	0.398537	69.6793	0.350487
5475	0.597806	81.45782	0.409733
7300	0.797075	88.6608	0.445964
LT			0.503

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-14

Dike Crown Elevation = +4 ft

Layer 1				Layer 6				Layer 7			
Total layer settlement:		0.546 in		Total layer settlement:		1.249 in (from SETANL)		Total layer settlement:		0	
Cv:		0.02 ft ² /day		Ch:		0.08 ft ² /day		Cv:		0	
Hdr:		7 ft		Hdr:		33.5 ft		Hdr:		1	
Layer Settlement				Layer Settlement				Layer Settlement			
time, t	Tv	U	(in)	time, t (day)	Tv	U	Layer Settlement	time, t (day)	Tv	U	
(days)											
0	0	0	0	0	0	0	0	0	0	0	
30	0.012245	12.48627	0.06817502	30	0.002139	5.218142	0.065175	30	0	0	
60	0.02449	17.65825	0.09641404	60	0.004277	7.379567	0.092171	60	0	0	
90	0.036735	21.62685	0.1180826	90	0.006416	9.038087	0.112886	90	0	0	
180	0.073469	30.58498	0.16699402	180	0.012831	12.78178	0.159644	180	0	0	
365	0.14898	43.55304	0.23779958	365	0.026019	18.20127	0.227334	365	0	0	
730	0.297959	61.13667	0.33380623	730	0.052038	25.74048	0.321499	730	0	0	
1095	0.446939	73.0932	0.3990889	1095	0.078057	31.52552	0.393754	1095	0	0	
1460	0.595918	81.37124	0.44428697	1460	0.104077	36.40254	0.454668	1460	0	0	
1825	0.744898	87.10249	0.47557958	1825	0.130096	40.69928	0.508334	1825	0	0	
3650	1.489796	97.94829	0.53479767	3650	0.260192	57.55747	0.718893	3650	0	0	
5475	2.234694	99.67362	0.54421796	5475	0.390287	69.05563	0.862505	5475	0	0	
7300	2.979592	99.94808	0.54571652	7300	0.520383	77.55377	0.968647	7300	0	0	
LT			0.546	LT			1.249	LT			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-14

Dike Crown Elevation = +4 ft

	Layer 1			Layer 8
Total layer settlement:	0.546 in	4	in (from SETANL)	Total layer settlement: 0 in (from SETA)
Cv:	0.02 ft ² /day		ft ² /day	Ch: 0 ft ² /day
Hdr:	7 ft		ft	Hdr: 1 ft

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (dayTv)	U	Layer Settlement
0	0	0	0	0	0	0	0
30	0.012245	12.48627	0.06817502	0	30	0	0
60	0.02449	17.65825	0.09641404	0	60	0	0
90	0.036735	21.62685	0.1180826	0	90	0	0
180	0.073469	30.58498	0.16699402	0	180	0	0
365	0.14898	43.55304	0.23779958	0	365	0	0
730	0.297959	61.13667	0.33380623	0	730	0	0
1095	0.446939	73.0932	0.3990889	0	1095	0	0
1460	0.595918	81.37124	0.44428697	0	1460	0	0
1825	0.744898	87.10249	0.47557958	0	1825	0	0
3650	1.489796	97.94829	0.53479767	0	3650	0	0
5475	2.234694	99.67362	0.54421796	0	5475	0	0
7300	2.979592	99.94808	0.54571652	0	7300	0	0
LT			0.546	0	LT		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-14

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	Final Elevation Including Foundation Settlement and Shrinkage Settlement (feet)	Construction Settlement (feet)
0	0	0	0	0	4 10%*fill above water		
30	0.082192	0.504209981	0.0420175	3.957983	0.000	3.957982502	
60	0.164384	0.713060593	0.05942172	3.940578	0.100	3.840578284	
90	0.246575	0.873317304	0.07277644	3.927224	0.150	3.777223558	
180	0.493151	1.235057176	0.10292143	3.897079	0.300	3.597078569	
365	1	1.758722189	0.14656018	3.85344	0.300	3.553439818	
730	2	2.479527117	0.20662726	3.793373	0.300	3.49337274	
1095	3	3.009776667	0.25081472	3.749185	0.300	3.449185278	
1460	4	3.420138067	0.28501151	3.714988	0.300	3.414988494	
1825	5	3.751415816	0.31261798	3.687382	0.300	3.387382015	
3650	10	4.724350142	0.39369585	3.606304	0.300	3.306304155	
5475	15	5.158406253	0.42986719	3.570133	0.300	3.270132812	
7300	20	5.38701846	0.44891821	3.551082	0.300	3.251081795	
LT		5.779	0.48158333	3.518417	0.300	3.218416667	0.10

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-14

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	2.882
30	0.082192	0.504209981	0.0420175	3.957983	0.000	Ch: 0.04
60	0.164384	0.713060593	0.05942172	3.940578	0.100	21
90	0.246575	0.873317304	0.07277644	3.927224	0.150	
180	0.493151	1.235057176	0.10292143	3.897079	0.300	
365	1	1.758722189	0.14656018	3.85344	0.300	
730	2	2.479527117	0.20662726	3.793373	0.300	
1095	3	3.009776667	0.25081472	3.749185	0.300	
1460	4	3.420138067	0.28501151	3.714988	0.300	
1825	5	3.751415816	0.31261798	3.687382	0.300	
3650	10	4.724350142	0.39369585	3.606304	0.300	
5475	15	5.158406253	0.42986719	3.570133	0.300	
7300	20	5.38701846	0.44891821	3.551082	0.300	
LT		5.779	0.48158333	3.518417	0.300	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-14

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)		
0	0	0	0	0	4 10%*fill above water	0.942	
30	0.082192	0.504209981	0.0420175	3.957983	0.000	Ch:	0.08
60	0.164384	0.713060593	0.05942172	3.940578	0.100		25
90	0.246575	0.873317304	0.07277644	3.927224	0.150		
180	0.493151	1.235057176	0.10292143	3.897079	0.300		
365	1	1.758722189	0.14656018	3.85344	0.300		0
730	2	2.479527117	0.20662726	3.793373	0.300		0
1095	3	3.009776667	0.25081472	3.749185	0.300		0
1460	4	3.420138067	0.28501151	3.714988	0.300		0
1825	5	3.751415816	0.31261798	3.687382	0.300		0
3650	10	4.724350142	0.39369585	3.606304	0.300		0
5475	15	5.158406253	0.42986719	3.570133	0.300		0
7300	20	5.38701846	0.44891821	3.551082	0.300		0
LT		5.779	0.48158333	3.518417	0.300		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-14

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	0.616
30	0.082192	0.504209981	0.0420175	3.957983	0.000	0.08
60	0.164384	0.713060593	0.05942172	3.940578	0.100	27.5
90	0.246575	0.873317304	0.07277644	3.927224	0.150	
180	0.493151	1.235057176	0.10292143	3.897079	0.300	
365	1	1.758722189	0.14656018	3.85344	0.300	0
730	2	2.479527117	0.20662726	3.793373	0.300	0
1095	3	3.009776667	0.25081472	3.749185	0.300	0
1460	4	3.420138067	0.28501151	3.714988	0.300	0
1825	5	3.751415816	0.31261798	3.687382	0.300	0
3650	10	4.724350142	0.39369585	3.606304	0.300	0
5475	15	5.158406253	0.42986719	3.570133	0.300	0
7300	20	5.38701846	0.44891821	3.551082	0.300	0
LT		5.779	0.48158333	3.518417	0.300	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-15

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement:		0.869 in		Settlement:		0.831 in (from SETANL)		Total layer settlement:		1.461 in	
Cv:		0.03 ft ² /day		Ch:		0.06 ft ² /day		Ch:		0.06 ft ² /day	
Hdr:		9 ft		Hdr:		16 ft		Hdr:		17.5 ft	
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day	Tv	U	Layer Settl	
0	0	0	0	0	0	0	0	0	0	0	
30	0.011111	11.89416	0.10336026	0.007031	9.461747	0.07862712	30	0.005878	8.65074	0.126387	
60	0.022222	16.82088	0.14617348	0.014063	13.38093	0.11119554	60	0.011755	12.23399	0.178739	
90	0.033333	20.60129	0.17902522	0.021094	16.38823	0.13618616	90	0.017633	14.98352	0.218909	
180	0.066667	29.13462	0.25317989	0.042188	23.17645	0.19259632	180	0.035265	21.1899	0.309584	
365	0.135185	41.48772	0.36052832	0.085547	33.00328	0.27425728	365	0.07151	30.17443	0.440848	
730	0.27037	58.6725	0.50986404	0.171094	46.67369	0.38785836	730	0.14302	42.67309	0.623454	
1095	0.405556	70.19995	0.61003757	0.256641	57.16336	0.47502754	1095	0.214531	52.26365	0.763572	
1460	0.540741	78.65363	0.68350007	0.342188	65.15539	0.54144131	1460	0.286041	59.97658	0.876258	
1825	0.675926	84.70917	0.73612272	0.427734	71.78725	0.59655202	1825	0.357551	66.45183	0.970861	
3650	1.351852	97.1162	0.84393974	0.855469	90.18264	0.7494177	3650	0.715102	86.11834	1.258189	
5475	2.027778	99.45612	0.86427371	1.283203	96.58379	0.80261131	5475	1.072653	94.256	1.37708	
7300	2.703704	99.89743	0.86810864	1.710938	98.81124	0.82112141	7300	1.430204	97.62323	1.426275	
LT			0.869			0.831	LT			1.461	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-15

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 0.869 in 4 (from SETANL)
 Cv: 0.03 ft²/day
 Hdr: 9 ft

Layer 5
 Total layer settlement: 1.408 in (from SETANL)
 Ch: 0.24 ft²/day
 Hdr: 21.5 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.011111	11.89416	0.10336026
60	0.022222	16.82088	0.14617348
90	0.033333	20.60129	0.17902522
180	0.066667	29.13462	0.25317989
365	0.135185	41.48772	0.36052832
730	0.27037	58.6725	0.50986404
1095	0.405556	70.19995	0.61003757
1460	0.540741	78.65363	0.68350007
1825	0.675926	84.70917	0.73612272
3650	1.351852	97.1162	0.84393974
5475	2.027778	99.45612	0.86427371
7300	2.703704	99.89743	0.86810864
LT			0.869

ement

time, t (days)	Tv	U	Layer Settlement
0	0	0	0
30	0.015576	14.0826	0.198283
60	0.031152	19.9158	0.280415
90	0.046728	24.39178	0.343436
180	0.093456	34.49518	0.485692
365	0.189508	49.12116	0.691626
730	0.379016	68.18274	0.960013
1095	0.568524	80.06822	1.127361
1460	0.758031	87.51383	1.232195
1825	0.947539	92.17809	1.297868
3650	1.895078	99.24538	1.397375
5475	2.842618	99.9272	1.406975
7300	3.790157	99.99298	1.407901
LT			1.408

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-15

Dike Crown Elevation = +4 ft

	Layer 1		Layer 6		Layer 7	
Total layer settlement:	0.869 in	4	Total layer settlement:	1.204 in (from SETANL)	Total layer settlement:	0.674
Cv:	0.03 ft ² /day		Ch:	0.08 ft ² /day	Ch:	0.04
Hdr:	9 ft		Hdr:	28.5 ft	Hdr:	36.5

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.011111	11.89416	0.10336026
60	0.022222	16.82088	0.14617348
90	0.033333	20.60129	0.17902522
180	0.066667	29.13462	0.25317989
365	0.135185	41.48772	0.36052832
730	0.27037	58.6725	0.50986404
1095	0.405556	70.19995	0.61003757
1460	0.540741	78.65363	0.68350007
1825	0.675926	84.70917	0.73612272
3650	1.351852	97.1162	0.84393974
5475	2.027778	99.45612	0.86427371
7300	2.703704	99.89743	0.86810864
LT			0.869

time, t (day)	Tv	U	Layer Settlement
0	0	0	0
30	0.002955	6.133605	0.073849
60	0.00591	8.674228	0.104438
90	0.008864	10.62372	0.12791
180	0.017729	15.0242	0.180891
365	0.03595	21.39447	0.257589
730	0.071899	30.25636	0.364287
1095	0.107849	37.05632	0.446158
1460	0.143798	42.78895	0.515179
1825	0.179748	47.8395	0.575988
3650	0.359495	66.61242	0.802014
5475	0.539243	78.57458	0.946038
7300	0.71899	86.25091	1.038461
LT			1.204

time, t (day)	Tv	U
0	0	0
30	0.000901	3.386514
60	0.001801	4.789253
90	0.002702	5.865614
180	0.005404	8.29523
365	0.010959	11.81241
730	0.021918	16.70527
1095	0.032877	20.4597
1460	0.043836	23.62483
1825	0.054795	26.41336
3650	0.109589	37.35413
5475	0.164384	45.74928
7300	0.219178	52.82672
LT		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-15

Dike Crown Elevation = +4 ft

	Layer 1					Layer 8	
Total layer settlement:	0.869 in	4	in	(from SETANL)	Total layer settlement:	0 in	(from SETANL)
Cv:	0.03 ft ² /day		ft ² /day		Ch:	0 ft ² /day	
Hdr:	9 ft		ft		Hdr:	1 ft	

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (dayTv	U	Layer Settlement
0	0	0	0	0	0	0	0
30	0.011111	11.89416	0.10336026	0.022825	30	0	0
60	0.022222	16.82088	0.14617348	0.03228	60	0	0
90	0.033333	20.60129	0.17902522	0.039534	90	0	0
180	0.066667	29.13462	0.25317989	0.05591	180	0	0
365	0.135185	41.48772	0.36052832	0.079616	365	0	0
730	0.27037	58.6725	0.50986404	0.112594	730	0	0
1095	0.405556	70.19995	0.61003757	0.137898	1095	0	0
1460	0.540741	78.65363	0.68350007	0.159231	1460	0	0
1825	0.675926	84.70917	0.73612272	0.178026	1825	0	0
3650	1.351852	97.1162	0.84393974	0.251767	3650	0	0
5475	2.027778	99.45612	0.86427371	0.30835	5475	0	0
7300	2.703704	99.89743	0.86810864	0.356052	7300	0	0
LT			0.869	0.674	LT		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-15

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	Final Elevation Including Foundation Settlement and Shrinkage Settlement (feet)	Construction Settlement (feet)
0	0	0	0	0	4 10%*fill above water		
30	0.082192	0.678436591	0.05653638	3.943464	0.000	3.943463617	
60	0.164384	0.959454228	0.07995452	3.920045	0.100	3.820045481	
90	0.246575	1.175086645	0.09792389	3.902076	0.150	3.752076113	
180	0.493151	1.658765085	0.13823042	3.86177	0.300	3.561769576	
365	1	2.338770836	0.19489757	3.805102	0.300	3.50510243	
730	2	3.221550228	0.26846252	3.731537	0.300	3.431537481	
1095	3	3.828175979	0.31901466	3.680985	0.300	3.380985335	
1460	4	4.276664431	0.3563887	3.643611	0.300	3.343611297	
1825	5	4.624394948	0.38536625	3.614634	0.300	3.314633754	
3650	10	5.571701592	0.46430847	3.535692	0.300	3.235691534	
5475	15	5.974328177	0.49786068	3.502139	0.300	3.202139319	
7300	20	6.186919607	0.51557663	3.484423	0.300	3.184423366	
LT		6.716	0.55966667	3.440333	0.300	3.140333333	0.11

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-15

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	2.882
30	0.082192	0.678436591	0.05653638	3.943464	0.000	Ch: 0.04
60	0.164384	0.959454228	0.07995452	3.920045	0.100	21
90	0.246575	1.175086645	0.09792389	3.902076	0.150	
180	0.493151	1.658765085	0.13823042	3.86177	0.300	
365	1	2.338770836	0.19489757	3.805102	0.300	
730	2	3.221550228	0.26846252	3.731537	0.300	
1095	3	3.828175979	0.31901466	3.680985	0.300	
1460	4	4.276664431	0.3563887	3.643611	0.300	
1825	5	4.624394948	0.38536625	3.614634	0.300	
3650	10	5.571701592	0.46430847	3.535692	0.300	
5475	15	5.974328177	0.49786068	3.502139	0.300	
7300	20	6.186919607	0.51557663	3.484423	0.300	
LT		6.716	0.55966667	3.440333	0.300	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-15

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)		
0	0	0	0	0	4 10%*fill above water	0.942	
30	0.082192	0.678436591	0.05653638	3.943464	0.000	Ch: 0.08	Ch:
60	0.164384	0.959454228	0.07995452	3.920045	0.100	25	
90	0.246575	1.175086645	0.09792389	3.902076	0.150		
180	0.493151	1.658765085	0.13823042	3.86177	0.300		
365	1	2.338770836	0.19489757	3.805102	0.300		0
730	2	3.221550228	0.26846252	3.731537	0.300		0
1095	3	3.828175979	0.31901466	3.680985	0.300		0
1460	4	4.276664431	0.3563887	3.643611	0.300		0
1825	5	4.624394948	0.38536625	3.614634	0.300		0
3650	10	5.571701592	0.46430847	3.535692	0.300		0
5475	15	5.974328177	0.49786068	3.502139	0.300		0
7300	20	6.186919607	0.51557663	3.484423	0.300		0
LT		6.716	0.55966667	3.440333	0.300		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-15

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	0.616
30	0.082192	0.678436591	0.05653638	3.943464	0.000	0.08
60	0.164384	0.959454228	0.07995452	3.920045	0.100	27.5
90	0.246575	1.175086645	0.09792389	3.902076	0.150	
180	0.493151	1.658765085	0.13823042	3.86177	0.300	
365	1	2.338770836	0.19489757	3.805102	0.300	0
730	2	3.221550228	0.26846252	3.731537	0.300	0
1095	3	3.828175979	0.31901466	3.680985	0.300	0
1460	4	4.276664431	0.3563887	3.643611	0.300	0
1825	5	4.624394948	0.38536625	3.614634	0.300	0
3650	10	5.571701592	0.46430847	3.535692	0.300	0
5475	15	5.974328177	0.49786068	3.502139	0.300	0
7300	20	6.186919607	0.51557663	3.484423	0.300	0
LT		6.716	0.55966667	3.440333	0.300	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

Layer 1				Layer 2				
Total layer settlement:	2.24 in		4	Total layer settlement:	0.404 in	(from SETANL)	Total layer s	
Cv:	0.08 ft ² /day			Cv:	0.02 ft ² /day			
Hdr:	10 ft			Hdr:	8 ft			

Layer Settlement				Layer Settlement				
time, t	Tv	U	(in)	time, t	Tv	U	(in)	time, t
(days)				(days)				(days)
0	0	0	0	0	0	0	0	0
30	0.024	17.48077	0.39156936	30	0.009375	10.92548	0.04413896	30
60	0.048	24.72155	0.5537627	60	0.01875	15.45097	0.06242191	60
90	0.072	30.27759	0.67821802	90	0.028125	18.92349	0.07645092	90
180	0.144	42.81898	0.95914512	180	0.05625	26.76186	0.10811792	180
365	0.292	60.56089	1.35656391	365	0.114063	38.10891	0.15395999	365
730	0.584	80.81516	1.81025957	730	0.228125	53.89413	0.2177323	730
1095	0.876	90.66769	2.0309562	1095	0.342188	65.15539	0.26322778	1095
1460	1.168	95.46037	2.13831231	1460	0.45625	73.70446	0.29776602	1460
1825	1.46	97.79173	2.19053483	1825	0.570313	80.15603	0.32383035	1825
3650	2.92	99.93985	2.23865273	3650	1.140625	95.14308	0.38437803	3650
5475	4.38	99.99836	2.2399633	5475	1.710938	98.81124	0.39919741	5475
7300	5.84	99.99996	2.239999	7300	2.28125	99.70904	0.40282454	7300
LT			2.24	LT			0.404	LT

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement:		2.24 in		Settlement:		0.416 in (from SETANL)		Total layer settlement:		0.158 in	
Cv:		0.08 ft ² /day		Cv:		0.03 ft ² /day		Cv:		0.2 ft ² /day	
Hdr:		10 ft		Hdr:		7.55 ft		Hdr:		4 ft	
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day)	Tv	U	Layer Settli	
0	0	0	0	0	0	0	0	0	0	0	
30	0.024	17.48077	0.39156936	0.015789	14.17847	0.05898243	30	0.375	67.86585	0.107228	
60	0.048	24.72155	0.5537627	0.031578	20.05138	0.08341376	60	0.75	87.26387	0.137877	
90	0.072	30.27759	0.67821802	0.047366	24.55783	0.10216057	90	1.125	94.95213	0.150024	
180	0.144	42.81898	0.95914512	0.094733	34.73002	0.14447687	180	2.25	99.68572	0.157503	
365	0.292	60.56089	1.35656391	0.192097	49.45556	0.20573515	365	4.5625	99.99896	0.157998	
730	0.584	80.81516	1.81025957	0.384194	68.58675	0.28532087	730	9.125	100	0.158	
1095	0.876	90.66769	2.0309562	0.576291	80.44664	0.33465804	1095	13.6875	100	0.158	
1460	1.168	95.46037	2.13831231	0.768387	87.8289	0.36536823	1460	18.25	100	0.158	
1825	1.46	97.79173	2.19053483	0.960484	92.42403	0.38448397	1825	22.8125	100	0.158	
3650	2.92	99.93985	2.23865273	1.920968	99.29209	0.41305508	3650	45.625	100	0.158	
5475	4.38	99.99836	2.2399633	2.881453	99.93385	0.41572482	5475	68.4375	100	0.158	
7300	5.84	99.99996	2.239999	3.841937	99.99382	0.41597429	7300	91.25	100	0.158	
LT			2.24			0.416	LT			0.158	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 2.24 in 4 (from SETANL)
 Cv: 0.08 ft²/day
 Hdr: 10 ft

Layer 5
 Total layer settlement: 0.81 in (from SETANL)
 Cv: 0.03 ft²/day
 Hdr: 6.55 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.024	17.48077	0.39156936
60	0.048	24.72155	0.5537627
90	0.072	30.27759	0.67821802
180	0.144	42.81898	0.95914512
365	0.292	60.56089	1.35656391
730	0.584	80.81516	1.81025957
1095	0.876	90.66769	2.0309562
1460	1.168	95.46037	2.13831231
1825	1.46	97.79173	2.19053483
3650	2.92	99.93985	2.23865273
5475	4.38	99.99836	2.2399633
7300	5.84	99.99996	2.239999
LT			2.24

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time, t (da	Tv	U	Layer Settlement
0	0	0	0
30	0.020978	16.34312	0.132379
60	0.041956	23.11266	0.187213
90	0.062933	28.30712	0.229288
180	0.125867	40.03231	0.324262
365	0.25523	57.00603	0.461749
730	0.51046	76.99727	0.623678
1095	0.76569	87.7476	0.710756
1460	1.02092	93.47376	0.757137
1825	1.276149	96.5238	0.781843
3650	2.552299	99.85096	0.808793
5475	3.828448	99.99361	0.809948
7300	5.104598	99.99973	0.809998
LT			0.81

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

	Layer 1		Layer 6		Layer 7
Total layer settlement:	2.24 in	4	1.053 in	(from SETANL)	1.371
Cv:	0.08 ft ² /day		0.03 ft ² /day		0.02
Hdr:	10 ft		11.55 ft		23.29

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.024	17.48077	0.39156936
60	0.048	24.72155	0.5537627
90	0.072	30.27759	0.67821802
180	0.144	42.81898	0.95914512
365	0.292	60.56089	1.35656391
730	0.584	80.81516	1.81025957
1095	0.876	90.66769	2.0309562
1460	1.168	95.46037	2.13831231
1825	1.46	97.79173	2.19053483
3650	2.92	99.93985	2.23865273
5475	4.38	99.99836	2.2399633
7300	5.84	99.99996	2.239999
LT			2.24

time, t (day)	Tv	U	Layer Settlement
0	0	0	0
30	0.006747	9.268177	0.097594
60	0.013493	13.10718	0.138019
90	0.02024	16.05295	0.169038
180	0.040479	22.70231	0.239055
365	0.082082	32.3281	0.340415
730	0.164165	45.71883	0.481419
1095	0.246247	55.99391	0.589616
1460	0.32833	63.94309	0.673321
1825	0.410412	70.55499	0.742944
3650	0.820824	89.30632	0.940396
5475	1.231236	96.11632	1.012105
7300	1.641648	98.58955	1.038148
LT			1.053

time, t (day)	Tv	U
0	0	0
30	0.001106	3.75285
60	0.002212	5.307331
90	0.003318	6.500127
180	0.006637	9.192567
365	0.013458	13.09022
730	0.026916	18.51237
1095	0.040374	22.67293
1460	0.053832	26.18044
1825	0.067291	29.27063
3650	0.134581	41.39492
5475	0.201872	50.69821
7300	0.269162	58.54125
LT		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

	Layer 1				Layer 8
Total layer settlement:	2.24 in	4	in	(from SETANL)	Total layer settlement: 0.808 in (from SETANL)
Cv:	0.08 ft ² /day		ft ² /day		Ch: 0.04 ft ² /day
Hdr:	10 ft		ft		Hdr: 36.21 ft

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (day	Tv	U	Layer Settlement
0	0	0	0	0	0	0	0	0
30	0.024	17.48077	0.39156936	0.051452	30	0.000915	3.413636	0.027582
60	0.048	24.72155	0.5537627	0.072764	60	0.00183	4.82761	0.039007
90	0.072	30.27759	0.67821802	0.089117	90	0.002746	5.91259	0.047774
180	0.144	42.81898	0.95914512	0.12603	180	0.005491	8.361665	0.067562
365	0.292	60.56089	1.35656391	0.179467	365	0.011135	11.90702	0.096209
730	0.584	80.81516	1.81025957	0.253805	730	0.02227	16.83906	0.13606
1095	0.876	90.66769	2.0309562	0.310846	1095	0.033405	20.62356	0.166638
1460	1.168	95.46037	2.13831231	0.358934	1460	0.044541	23.81403	0.192417
1825	1.46	97.79173	2.19053483	0.4013	1825	0.055676	26.6249	0.215129
3650	2.92	99.93985	2.23865273	0.567524	3650	0.111351	37.65329	0.304239
5475	4.38	99.99836	2.2399633	0.695072	5475	0.167027	46.11568	0.372615
7300	5.84	99.99996	2.239999	0.802601	7300	0.222703	53.2498	0.430258
LT			2.24	1.371	LT			0.808

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	Final Elevation Including Foundation Settlement and Shrinkage Settlement (feet)	Construction Settlement (feet)
0	0	0	0	0	4 10%*fill above water		
30	0.082192	0.910925736	0.07591048	3.92409	0.000	3.924089522	
60	0.164384	1.274477084	0.10620642	3.893794	0.100	3.793793576	
90	0.246575	1.542069593	0.1285058	3.871494	0.150	3.721494201	
180	0.493151	2.126152677	0.17717939	3.822821	0.300	3.52282061	
365	1	2.952096759	0.24600806	3.753992	0.300	3.453991937	
730	2	3.966274125	0.33052284	3.669477	0.300	3.369477156	
1095	3	4.564697607	0.38039147	3.619609	0.300	3.319608533	
1460	4	4.941255999	0.41177133	3.588229	0.300	3.288228667	
1825	5	5.198065464	0.43317212	3.566828	0.300	3.266827878	
3650	10	5.815036997	0.48458642	3.515414	0.300	3.215413584	
5475	15	6.102625809	0.50855215	3.491448	0.300	3.191447849	
7300	20	6.297802452	0.52481687	3.475183	0.300	3.175183129	
LT		7.26	0.605	3.395	0.300	3.095	0.12

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	2.882
30	0.082192	0.910925736	0.07591048	3.92409		Ch: 0.04
60	0.164384	1.274477084	0.10620642	3.893794		21
90	0.246575	1.542069593	0.1285058	3.871494		
180	0.493151	2.126152677	0.17717939	3.822821		
365	1	2.952096759	0.24600806	3.753992		
730	2	3.966274125	0.33052284	3.669477		
1095	3	4.564697607	0.38039147	3.619609		
1460	4	4.941255999	0.41177133	3.588229		
1825	5	5.198065464	0.43317212	3.566828		
3650	10	5.815036997	0.48458642	3.515414		
5475	15	6.102625809	0.50855215	3.491448		
7300	20	6.297802452	0.52481687	3.475183		
LT		7.26	0.605	3.395		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)		
0	0	0	0	0	4 10%*fill above water	0.942	
30	0.082192	0.910925736	0.07591048	3.92409	0.000	Ch: 0.08	Ch:
60	0.164384	1.274477084	0.10620642	3.893794	0.100	25	
90	0.246575	1.542069593	0.1285058	3.871494	0.150		
180	0.493151	2.126152677	0.17717939	3.822821	0.300		
365	1	2.952096759	0.24600806	3.753992	0.300		0
730	2	3.966274125	0.33052284	3.669477	0.300		0
1095	3	4.564697607	0.38039147	3.619609	0.300		0
1460	4	4.941255999	0.41177133	3.588229	0.300		0
1825	5	5.198065464	0.43317212	3.566828	0.300		0
3650	10	5.815036997	0.48458642	3.515414	0.300		0
5475	15	6.102625809	0.50855215	3.491448	0.300		0
7300	20	6.297802452	0.52481687	3.475183	0.300		0
LT		7.26	0.605	3.395	0.300		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	0.616
30	0.082192	0.910925736	0.07591048	3.92409	0.000	0.08
60	0.164384	1.274477084	0.10620642	3.893794	0.100	27.5
90	0.246575	1.542069593	0.1285058	3.871494	0.150	
180	0.493151	2.126152677	0.17717939	3.822821	0.300	
365	1	2.952096759	0.24600806	3.753992	0.300	0
730	2	3.966274125	0.33052284	3.669477	0.300	0
1095	3	4.564697607	0.38039147	3.619609	0.300	0
1460	4	4.941255999	0.41177133	3.588229	0.300	0
1825	5	5.198065464	0.43317212	3.566828	0.300	0
3650	10	5.815036997	0.48458642	3.515414	0.300	0
5475	15	6.102625809	0.50855215	3.491448	0.300	0
7300	20	6.297802452	0.52481687	3.475183	0.300	0
LT		7.26	0.605	3.395	0.300	0
						0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

Layer 1				Layer 2				
Total layer settlement:	0.956 in		4	Total layer settlement:	0.357 in	(from SETANL)	Total layer s	
Cv:	0.02 ft ² /day			Ch:	0.06 ft ² /day			
Hdr:	8 ft			Hdr:	12.5 ft			

Layer Settlement				Layer Settlement				
time, t	Tv	U	Settlement (in)	time, t	Tv	U	Settlement (in)	time, t
(days)				(days)				(days)
0	0	0	0	0	0	0	0	0
30	0.009375	10.92548	0.10444763	30	0.01152	12.11104	0.0432364	30
60	0.01875	15.45097	0.14771125	60	0.02304	17.12759	0.0611455	60
90	0.028125	18.92349	0.1809086	90	0.03456	20.97693	0.07488764	90
180	0.05625	26.76186	0.2558434	180	0.06912	29.66586	0.10590712	180
365	0.114063	38.10891	0.36432116	365	0.14016	42.2442	0.1508118	365
730	0.228125	53.89413	0.51522792	730	0.28032	59.74232	0.21328009	730
1095	0.342188	65.15539	0.62288555	1095	0.42048	71.2776	0.25446102	1095
1460	0.45625	73.70446	0.70461463	1460	0.56064	79.67663	0.28444557	1460
1825	0.570313	80.15603	0.76629162	1825	0.7008	85.61961	0.30566201	1825
3650	1.140625	95.14308	0.90956782	3650	1.4016	97.44938	0.3478943	3650
5475	1.710938	98.81124	0.94463546	5475	2.1024	99.5476	0.35538494	5475
7300	2.28125	99.70904	0.95321847	7300	2.8032	99.91976	0.35671354	7300
LT			0.956	LT			0.357	LT

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement:		0.956 in		Settlement:		0.373 in (from SETANL)		Total layer settlement:		1.969 in	
Cv:		0.02 ft ² /day		Ch:		0.16 ft ² /day		Ch:		0.16 ft ² /day	
Hdr:		8 ft		Hdr:		15 ft		Hdr:		20 ft	
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day)	Tv	U	Layer Settlement (in)	
0	0	0	0	0	0	0	0	0	0	0	
30	0.009375	10.92548	0.10444763	0.021333	16.48103	0.06147425	30	0.012	12.36077	0.243384	
60	0.01875	15.45097	0.14771125	0.042667	23.3077	0.08693772	60	0.024	17.48077	0.344196	
90	0.028125	18.92349	0.1809086	0.064	28.54599	0.10647653	90	0.036	21.40949	0.421553	
180	0.05625	26.76186	0.2558434	0.128	40.37012	0.15058055	180	0.072	30.27759	0.596166	
365	0.114063	38.10891	0.36432116	0.259556	57.48708	0.2144268	365	0.146	43.11531	0.84894	
730	0.228125	53.89413	0.51522792	0.519111	77.48319	0.2890123	730	0.292	60.56089	1.192444	
1095	0.342188	65.15539	0.62288555	0.778667	88.13378	0.32873901	1095	0.438	72.49304	1.427388	
1460	0.45625	73.70446	0.70461463	1.038222	93.74658	0.34967474	1460	0.584	80.81516	1.59125	
1825	0.570313	80.15603	0.76629162	1.297778	96.70449	0.36070774	1825	0.73	86.61946	1.705537	
3650	1.140625	95.14308	0.90956782	2.595556	99.86605	0.37250036	3650	1.46	97.79173	1.925519	
5475	1.710938	98.81124	0.94463546	3.893333	99.99456	0.37297969	5475	2.19	99.63556	1.961824	
7300	2.28125	99.70904	0.95321847	5.191111	99.99978	0.37299917	7300	2.92	99.93985	1.967816	
LT			0.956			0.373	LT			1.969	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 0.956 in 4 (from SETANL)
 Cv: 0.02 ft²/day
 Hdr: 8 ft

Layer 5
 Total layer settlement: 0.173 in (from SETANL)
 Ch: 0.04 ft²/day
 Hdr: 26 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.009375	10.92548	0.10444763
60	0.01875	15.45097	0.14771125
90	0.028125	18.92349	0.1809086
180	0.05625	26.76186	0.2558434
365	0.114063	38.10891	0.36432116
730	0.228125	53.89413	0.51522792
1095	0.342188	65.15539	0.62288555
1460	0.45625	73.70446	0.70461463
1825	0.570313	80.15603	0.76629162
3650	1.140625	95.14308	0.90956782
5475	1.710938	98.81124	0.94463546
7300	2.28125	99.70904	0.95321847
LT			0.956

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time, t (days)	Tv	U	Layer Settlement
0	0	0	0
30	0.001775	4.754144	0.008225
60	0.00355	6.723375	0.011631
90	0.005325	8.234419	0.014246
180	0.010651	11.64523	0.020146
365	0.021598	16.58281	0.028688
730	0.043195	23.45164	0.040571
1095	0.064793	28.72227	0.04969
1460	0.086391	33.16562	0.057377
1825	0.107988	37.08029	0.064149
3650	0.215976	52.43945	0.09072
5475	0.323964	63.55255	0.109946
7300	0.431953	72.07943	0.124697
LT			0.173

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

Layer 1				Layer 6				Layer 7			
Total layer settlement:		0.956 in		Total layer settlement:		0.265 in (from SETANL)		Total layer settlement:		0	
Cv:		0.02 ft ² /day		Ch:		0.062 ft ² /day		Ch:		0	
Hdr:		8 ft		Hdr:		34 ft		Hdr:		1	
Layer Settlement				Layer Settlement				Layer Settlement			
time, t (days)	Tv	U	(in)	time, t (days)	Tv	U	Layer Settlement	time, t (days)	Tv	U	Layer Settlement
0	0	0	0	0	0	0	0	0	0	0	0
30	0.009375	10.92548	0.10444763	30	0.001609	4.526188	0.011994	30	0	0	0
60	0.01875	15.45097	0.14771125	60	0.003218	6.400997	0.016963	60	0	0	0
90	0.028125	18.92349	0.1809086	90	0.004827	7.839588	0.020775	90	0	0	0
180	0.05625	26.76186	0.2558434	180	0.009654	11.08685	0.02938	180	0	0	0
365	0.114063	38.10891	0.36432116	365	0.019576	15.78768	0.041837	365	0	0	0
730	0.228125	53.89413	0.51522792	730	0.039152	22.32716	0.059167	730	0	0	0
1095	0.342188	65.15539	0.62288555	1095	0.058728	27.34507	0.072464	1095	0	0	0
1460	0.45625	73.70446	0.70461463	1460	0.078304	31.57537	0.083675	1460	0	0	0
1825	0.570313	80.15603	0.76629162	1825	0.097881	35.30233	0.093551	1825	0	0	0
3650	1.140625	95.14308	0.90956782	3650	0.195761	49.92504	0.132301	3650	0	0	0
5475	1.710938	98.81124	0.94463546	5475	0.293642	60.72037	0.160909	5475	0	0	0
7300	2.28125	99.70904	0.95321847	7300	0.391522	69.14981	0.183247	7300	0	0	0
LT			0.956	LT			0.265	LT			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

	Layer 1				Layer 8		
Total layer settlement:	0.956 in	4	in	(from SETANL)	Total layer settlement:	0 in	(from SETA)
Cv:	0.02 ft ² /day		ft ² /day		Ch:	0 ft ² /day	
Hdr:	8 ft		ft		Hdr:	1 ft	

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (dayTv)	U	Layer Settlement
0	0	0	0	0	0	0	0
30	0.009375	10.92548	0.10444763	0	30	0	0
60	0.01875	15.45097	0.14771125	0	60	0	0
90	0.028125	18.92349	0.1809086	0	90	0	0
180	0.05625	26.76186	0.2558434	0	180	0	0
365	0.114063	38.10891	0.36432116	0	365	0	0
730	0.228125	53.89413	0.51522792	0	730	0	0
1095	0.342188	65.15539	0.62288555	0	1095	0	0
1460	0.45625	73.70446	0.70461463	0	1460	0	0
1825	0.570313	80.15603	0.76629162	0	1825	0	0
3650	1.140625	95.14308	0.90956782	0	3650	0	0
5475	1.710938	98.81124	0.94463546	0	5475	0	0
7300	2.28125	99.70904	0.95321847	0	7300	0	0
LT			0.956	0	LT		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	Final Elevation Including Foundation Settlement and Shrinkage Settlement (feet)	Construction Settlement (feet)
0	0	0	0	0	4 10%*fill above water		
30	0.082192	0.472760998	0.03939675	3.960603	0.000	3.96060325	
60	0.164384	0.668585015	0.05571542	3.944285	0.100	3.844284582	
90	0.246575	0.818846068	0.06823717	3.931763	0.150	3.781762828	
180	0.493151	1.158023215	0.09650193	3.903498	0.300	3.603498065	
365	1	1.649025781	0.13741882	3.862581	0.300	3.562581185	
730	2	2.309702516	0.19247521	3.807525	0.300	3.50752479	
1095	3	2.755627421	0.22963562	3.770364	0.300	3.470364382	
1460	4	3.071036678	0.25591972	3.74408	0.300	3.444080277	
1825	5	3.295898566	0.27465821	3.725342	0.300	3.425341786	
3650	10	3.778503316	0.31487528	3.685125	0.300	3.385124724	
5475	15	3.905679118	0.32547326	3.674527	0.300	3.37452674	
7300	20	3.958691331	0.32989094	3.670109	0.300	3.370109056	
LT		4.093	0.34108333	3.658917	0.300	3.358916667	0.07

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	2.882
30	0.082192	0.472760998	0.03939675	3.960603	0.000	Ch: 0.04
60	0.164384	0.668585015	0.05571542	3.944285	0.100	21
90	0.246575	0.818846068	0.06823717	3.931763	0.150	
180	0.493151	1.158023215	0.09650193	3.903498	0.300	
365	1	1.649025781	0.13741882	3.862581	0.300	
730	2	2.309702516	0.19247521	3.807525	0.300	
1095	3	2.755627421	0.22963562	3.770364	0.300	
1460	4	3.071036678	0.25591972	3.74408	0.300	
1825	5	3.295898566	0.27465821	3.725342	0.300	
3650	10	3.778503316	0.31487528	3.685125	0.300	
5475	15	3.905679118	0.32547326	3.674527	0.300	
7300	20	3.958691331	0.32989094	3.670109	0.300	
LT		4.093	0.34108333	3.658917	0.300	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)		
0	0	0	0	0	4 10%*fill above water	0.942	
30	0.082192	0.472760998	0.03939675	3.960603	0.000	Ch: 0.08	Ch:
60	0.164384	0.668585015	0.05571542	3.944285	0.100	25	
90	0.246575	0.818846068	0.06823717	3.931763	0.150		
180	0.493151	1.158023215	0.09650193	3.903498	0.300		
365	1	1.649025781	0.13741882	3.862581	0.300		0
730	2	2.309702516	0.19247521	3.807525	0.300		0
1095	3	2.755627421	0.22963562	3.770364	0.300		0
1460	4	3.071036678	0.25591972	3.74408	0.300		0
1825	5	3.295898566	0.27465821	3.725342	0.300		0
3650	10	3.778503316	0.31487528	3.685125	0.300		0
5475	15	3.905679118	0.32547326	3.674527	0.300		0
7300	20	3.958691331	0.32989094	3.670109	0.300		0
LT		4.093	0.34108333	3.658917	0.300		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	0.616
30	0.082192	0.472760998	0.03939675	3.960603	0.000	0.08
60	0.164384	0.668585015	0.05571542	3.944285	0.100	27.5
90	0.246575	0.818846068	0.06823717	3.931763	0.150	
180	0.493151	1.158023215	0.09650193	3.903498	0.300	
365	1	1.649025781	0.13741882	3.862581	0.300	0
730	2	2.309702516	0.19247521	3.807525	0.300	0
1095	3	2.755627421	0.22963562	3.770364	0.300	0
1460	4	3.071036678	0.25591972	3.74408	0.300	0
1825	5	3.295898566	0.27465821	3.725342	0.300	0
3650	10	3.778503316	0.31487528	3.685125	0.300	0
5475	15	3.905679118	0.32547326	3.674527	0.300	0
7300	20	3.958691331	0.32989094	3.670109	0.300	0
LT		4.093	0.34108333	3.658917	0.300	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

Layer 1				Layer 2				
Total layer settlement:	0.965 in		4	Total layer settlement:	0.901 in	(from SETANL)	Total layer s	
Cv:	0.02 ft ² /day			Cv:	0.02 ft ² /day			
Hdr:	8 ft			Hdr:	10 ft			
Layer Settlement				Layer Settlement				
time, t	Tv	U	(in)	time, t	Tv	U	(in)	time, t
(days)				(days)				(days)
0	0	0	0	0	0	0	0	0
30	0.009375	10.92548	0.10543092	30	0.006	8.740387	0.07875089	30
60	0.01875	15.45097	0.14910184	60	0.012	12.36077	0.11137058	60
90	0.028125	18.92349	0.18261172	90	0.018	15.1388	0.13640054	90
180	0.05625	26.76186	0.25825197	180	0.036	21.40949	0.1928995	180
365	0.114063	38.10891	0.36775096	365	0.073	30.48713	0.27468901	365
730	0.228125	53.89413	0.5200784	730	0.146	43.11531	0.38846892	730
1095	0.342188	65.15539	0.62874953	1095	0.219	52.80525	0.47577532	1095
1460	0.45625	73.70446	0.71124803	1460	0.292	60.56089	0.54565361	1460
1825	0.570313	80.15603	0.77350567	1825	0.365	67.06294	0.60423705	1825
3650	1.140625	95.14308	0.91813069	3650	0.73	86.61946	0.78044131	3650
5475	1.710938	98.81124	0.95352848	5475	1.095	94.56421	0.85202354	5475
7300	2.28125	99.70904	0.96219228	7300	1.46	97.79173	0.88110352	7300
LT			0.965	LT			0.901	LT

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement:		0.965 in		Settlement:		0.645 in (from SETANL)		Total layer settlement:		2.03 in	
Cv:		0.02 ft ² /day		Cv:		1.4 ft ² /day		Cv:		0.02 ft ² /day	
Hdr:		8 ft		Hdr:		2 ft		Hdr:		11 ft	
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day	Tv	U	Layer Settl	
0	0	0	0	0	0	0	0	0	0	0	
30	0.009375	10.92548	0.10543092	10.5	100	0.645	30	0.004959	7.945807	0.1613	
60	0.01875	15.45097	0.14910184	21	100	0.645	60	0.009917	11.23707	0.228112	
90	0.028125	18.92349	0.18261172	31.5	100	0.645	90	0.014876	13.76254	0.27938	
180	0.05625	26.76186	0.25825197	63	100	0.645	180	0.029752	19.46317	0.395102	
365	0.114063	38.10891	0.36775096	127.75	100	0.645	365	0.060331	27.71557	0.562626	
730	0.228125	53.89413	0.5200784	255.5	100	0.645	730	0.120661	39.19573	0.795673	
1095	0.342188	65.15539	0.62874953	383.25	100	0.645	1095	0.180992	48.00477	0.974497	
1460	0.45625	73.70446	0.71124803	511	100	0.645	1460	0.241322	55.43114	1.125252	
1825	0.570313	80.15603	0.77350567	638.75	100	0.645	1825	0.301653	61.48933	1.248233	
3650	1.140625	95.14308	0.91813069	1277.5	100	0.645	3650	0.603306	81.7078	1.658668	
5475	1.710938	98.81124	0.95352848	1916.25	100	0.645	5475	0.904959	91.31138	1.853621	
7300	2.28125	99.70904	0.96219228	2555	100	0.645	7300	1.206612	95.87299	1.946222	
LT			0.965			0.645	LT			2.03	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 0.965 in 4 (from SETANL)
 Cv: 0.02 ft²/day
 Hdr: 8 ft

Layer 5
 Total layer settlement: 1.14 in (from SETANL)
 Cv: 0.02 ft²/day
 Hdr: 20.65 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.009375	10.92548	0.10543092
60	0.01875	15.45097	0.14910184
90	0.028125	18.92349	0.18261172
180	0.05625	26.76186	0.25825197
365	0.114063	38.10891	0.36775096
730	0.228125	53.89413	0.5200784
1095	0.342188	65.15539	0.62874953
1460	0.45625	73.70446	0.71124803
1825	0.570313	80.15603	0.77350567
3650	1.140625	95.14308	0.91813069
5475	1.710938	98.81124	0.95352848
7300	2.28125	99.70904	0.96219228
LT			0.965

ement

time, t (days)	Tv	U	Layer Settlement
0	0	0	0
30	0.001407	4.232633	0.048252
60	0.002814	5.985847	0.068239
90	0.004221	7.331136	0.083575
180	0.008442	10.36779	0.118193
365	0.017119	14.76374	0.168307
730	0.034238	20.87908	0.238022
1095	0.051358	25.57155	0.291516
1460	0.068477	29.52748	0.336613
1825	0.085596	33.01273	0.376345
3650	0.171192	46.68705	0.532232
5475	0.256788	57.17973	0.651849
7300	0.342383	65.17224	0.742964
LT			1.14

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

Layer 1				Layer 6				Layer 7			
Total layer settlement:		0.965 in		Total layer settlement:		1.595 in (from SETANL)		Total layer settlement:		0	
Cv:		0.02 ft ² /day		Ch:		0.04 ft ² /day		Ch:		0	
Hdr:		8 ft		Hdr:		34.5 ft		Hdr:		1	
time, t (days)	Tv	U	Layer Settlement (in)	time, t (day)	Tv	U	Layer Settlement	time, t (day)	Tv	U	
0	0	0	0	0	0	0	0	0	0	0	
30	0.009375	10.92548	0.10543092	30	0.001008	3.582833	0.057146	30	0	0	
60	0.01875	15.45097	0.14910184	60	0.002016	5.066891	0.080817	60	0	0	
90	0.028125	18.92349	0.18261172	90	0.003025	6.205649	0.09898	90	0	0	
180	0.05625	26.76186	0.25825197	180	0.006049	8.776113	0.139979	180	0	0	
365	0.114063	38.10891	0.36775096	365	0.012266	12.49719	0.19933	365	0	0	
730	0.228125	53.89413	0.5200784	730	0.024533	17.6737	0.281895	730	0	0	
1095	0.342188	65.15539	0.62874953	1095	0.036799	21.64577	0.34525	1095	0	0	
1460	0.45625	73.70446	0.71124803	1460	0.049065	24.99438	0.39866	1460	0	0	
1825	0.570313	80.15603	0.77350567	1825	0.061332	27.94457	0.445716	1825	0	0	
3650	1.140625	95.14308	0.91813069	3650	0.122663	39.51959	0.630337	3650	0	0	
5475	1.710938	98.81124	0.95352848	5475	0.183995	48.40141	0.772003	5475	0	0	
7300	2.28125	99.70904	0.96219228	7300	0.245327	55.88914	0.891432	7300	0	0	
LT			0.965	LT			1.595	LT			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

	Layer 1						Layer 8
Total layer settlement:	0.965 in	4	in	(from SETANL)	Total layer settlement:	0 in	(from SETANL)
Cv:	0.02 ft ² /day		ft ² /day		Ch:	0 ft ² /day	
Hdr:	8 ft		ft		Hdr:	1 ft	

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (dayTv)	U	Layer Settlement
0	0	0	0	0	0	0	0
30	0.009375	10.92548	0.10543092	0	30	0	0
60	0.01875	15.45097	0.14910184	0	60	0	0
90	0.028125	18.92349	0.18261172	0	90	0	0
180	0.05625	26.76186	0.25825197	0	180	0	0
365	0.114063	38.10891	0.36775096	0	365	0	0
730	0.228125	53.89413	0.5200784	0	730	0	0
1095	0.342188	65.15539	0.62874953	0	1095	0	0
1460	0.45625	73.70446	0.71124803	0	1460	0	0
1825	0.570313	80.15603	0.77350567	0	1825	0	0
3650	1.140625	95.14308	0.91813069	0	3650	0	0
5475	1.710938	98.81124	0.95352848	0	5475	0	0
7300	2.28125	99.70904	0.96219228	0	7300	0	0
LT			0.965	0	LT		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	Final Elevation Including Foundation Settlement and Shrinkage Settlement (feet)	Construction Settlement (feet)
0	0	0	0	0	4 10%*fill above water		
30	0.082192	1.095879899	0.09132332	3.908677	0.000	3.908676675	
60	0.164384	1.282640468	0.10688671	3.893113	0.100	3.793113294	
90	0.246575	1.425946893	0.11882891	3.881171	0.150	3.731171092	
180	0.493151	1.749425687	0.14578547	3.854215	0.300	3.554214526	
365	1	2.217702868	0.18480857	3.815191	0.300	3.515191428	
730	2	2.869137726	0.23909481	3.760905	0.300	3.460905189	
1095	3	3.360787457	0.28006562	3.719934	0.300	3.419934379	
1460	4	3.762427445	0.31353562	3.686464	0.300	3.38646438	
1825	5	4.093037154	0.34108643	3.658914	0.300	3.35891357	
3650	10	5.164810033	0.43040084	3.569599	0.300	3.269599164	
5475	15	5.728024304	0.47733536	3.522665	0.300	3.222664641	
7300	20	6.068912607	0.50574272	3.494257	0.300	3.194257283	
LT		7.276	0.60633333	3.393667	0.300	3.093666667	0.12

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	2.882
30	0.082192	1.095879899	0.09132332	3.908677	0.000	Ch: 0.04
60	0.164384	1.282640468	0.10688671	3.893113	0.100	21
90	0.246575	1.425946893	0.11882891	3.881171	0.150	
180	0.493151	1.749425687	0.14578547	3.854215	0.300	
365	1	2.217702868	0.18480857	3.815191	0.300	
730	2	2.869137726	0.23909481	3.760905	0.300	
1095	3	3.360787457	0.28006562	3.719934	0.300	
1460	4	3.762427445	0.31353562	3.686464	0.300	
1825	5	4.093037154	0.34108643	3.658914	0.300	
3650	10	5.164810033	0.43040084	3.569599	0.300	
5475	15	5.728024304	0.47733536	3.522665	0.300	
7300	20	6.068912607	0.50574272	3.494257	0.300	
LT		7.276	0.60633333	3.393667	0.300	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)		
0	0	0	0	0	4 10%*fill above water	0.942	
30	0.082192	1.095879899	0.09132332	3.908677	0.000	Ch: 0.08	Ch:
60	0.164384	1.282640468	0.10688671	3.893113	0.100	25	
90	0.246575	1.425946893	0.11882891	3.881171	0.150		
180	0.493151	1.749425687	0.14578547	3.854215	0.300		
365	1	2.217702868	0.18480857	3.815191	0.300		0
730	2	2.869137726	0.23909481	3.760905	0.300		0
1095	3	3.360787457	0.28006562	3.719934	0.300		0
1460	4	3.762427445	0.31353562	3.686464	0.300		0
1825	5	4.093037154	0.34108643	3.658914	0.300		0
3650	10	5.164810033	0.43040084	3.569599	0.300		0
5475	15	5.728024304	0.47733536	3.522665	0.300		0
7300	20	6.068912607	0.50574272	3.494257	0.300		0
LT		7.276	0.60633333	3.393667	0.300		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Containment Dike Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	0.616
30	0.082192	1.095879899	0.09132332	3.908677	0.000	0.08
60	0.164384	1.282640468	0.10688671	3.893113	0.100	27.5
90	0.246575	1.425946893	0.11882891	3.881171	0.150	
180	0.493151	1.749425687	0.14578547	3.854215	0.300	
365	1	2.217702868	0.18480857	3.815191	0.300	0
730	2	2.869137726	0.23909481	3.760905	0.300	0
1095	3	3.360787457	0.28006562	3.719934	0.300	0
1460	4	3.762427445	0.31353562	3.686464	0.300	0
1825	5	4.093037154	0.34108643	3.658914	0.300	0
3650	10	5.164810033	0.43040084	3.569599	0.300	0
5475	15	5.728024304	0.47733536	3.522665	0.300	0
7300	20	6.068912607	0.50574272	3.494257	0.300	0
LT		7.276	0.60633333	3.393667	0.300	0

b16.dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-16 Terrace Settlement July 26, 2011

8, 8, 4, 3, 1

1, 5, 6, 8, 14, 22, 27, 32, 49, 1, 59

1, 22, 6, 1, 1

2, 29, 6, 2, 1

3, 39, 6, 3, 1

4, 52, 6, 4, 1

5, 39, 6, 5, 1

6, 9, 6, 6, 1

7, 22, 6, 7, 1

8, 22, 6, 8, 1

1, 3

Three points -1.5 to -6 feet

0, 0.04, 6.33, 0.67, 30.7, 2.67

2, 3

Three points -6 to -8 feet

0, 0.04, 6.00, 1.352, 21.48, 3.352

3, 3

Three points -8 to -14 feet

0, 0.04, 3.91, 1.132, 15.79, 3.132

4, 3

Three points -14 to -22 feet

0, 0.04, 2.53, 0.938, 11.68, 2.938

5, 1

One point NC -22 to -27 feet

-26.9

6, 1

One point NC -27 to -32 feet

-44.5

7, 1

One point NC -32 to -49.1 feet

-29.777

8, 1

One point NC -49.1 to -59 feet

-29.777

1, 0, 0, 1

2, 21.5, 0, 1

3, 0, 2640, 1

4, 21.5, 2640, 1

'A1', 'RECT', 8.25, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

'A2', 'RECT', 21.5, 2640, 10, 5280, 0, 0.3115, 1.5, 0

'A3', 'RECT', 34.75, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

5

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-16 Terrace Settlement July 26, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	8
NUMBER OF SOIL COMPRESSIBILITIES	=	8
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS 2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	3.750	4.500	1.00	22.60	1	.051	.539
2	7.000	2.000	1.00	29.60	2	.131	2.026
3	11.000	6.000	1.00	39.60	3	.280	2.275
4	18.000	8.000	1.00	52.60	4	.609	2.183
5	24.500	5.000	1.00	39.60	5	.918	.000
6	29.500	5.000	1.00	9.60	6	1.041	.000
7	40.550	17.100	1.00	22.60	7	1.259	.000
8	54.050	9.900	1.00	22.60	8	1.564	.000

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-16 Terrace Settlement July 26, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0	SOIL COMPRESSIBILITY NO. 1		
		Three points -1.5 to -6 feet	
	F %	.00	6.33 30.70
	P, KSF	.04	.67 2.67
0	SOIL COMPRESSIBILITY NO. 2		
		Three points -6 to -8 feet	
	F %	.00	6.00 21.48
	P, KSF	.04	1.35 3.35
0	SOIL COMPRESSIBILITY NO. 3		
		Three points -8 to -14 feet	
	F %	.00	3.91 15.79
	P, KSF	.04	1.13 3.13
0	SOIL COMPRESSIBILITY NO. 4		
		Three points -14 to -22 feet	
	F %	.00	2.53 11.68

B16. OUT

0 P, KSF .04 .94 2.94
 SOIL COMPRESSIBILITY NO. 5
 One point NC -22 to -27 feet
 THE SLOPE OF THE F(%)-LOG P CURVE IS 26.900 %

0 SOIL COMPRESSIBILITY NO. 6
 One point NC -27 to -32 feet
 THE SLOPE OF THE F(%)-LOG P CURVE IS 44.500 %

0 SOIL COMPRESSIBILITY NO. 7
 One point NC -32 to -49.1 feet
 THE SLOPE OF THE F(%)-LOG P CURVE IS 29.777 %

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-16 Terrace Settlement July 26, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE(CONT)

0 SOIL COMPRESSIBILITY NO. 8
 One point NC -49.1 to -59 feet
 THE SLOPE OF THE F(%)-LOG P CURVE IS 29.777 %

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Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-16 Terrace Settlement July 26, 2011

TABLE 4 - SETTLEMENT POINT DATA

POINT NO,	POINT X FT	COORDINATES Y FT	LAYER NO. *	POINT NO,	POINT X FT	COORDINATES Y FT	LAYER NO. *
1	.00	.00	1	3	.00	2640.00	1
2	21.50	.00	1	4	21.50	2640.00	1

* NUMBER OF SOIL LAYER AT WHICH SETTLEMENT COMPUTATION BEGINS

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Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-16 Terrace Settlement July 26, 2011

TABLE 5 - LOADED AREA INFORMATION

AREA SHAPE	CENTER COORD X FT	COORD Y FT	AREA DIMEN. XLEN FT	AREA DIMEN. YLEN FT	AREA SLOPE	APPLIED PRESSURE KSF	AREA ELEV. FT	PRNT FLAG
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B16. OUT

A1	RECT	8.25	2640.00	16.505280.00	.000	.113	1.500	0
A2	RECT	21.50	2640.00	10.005280.00	.000	.312	1.500	0
A3	RECT	34.75	2640.00	16.505280.00	.000	.113	1.500	0

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-16 Terrace Settlement July 26, 2011

TABLE 7 - AVERAGE STRESS INCREASE

SETTLEMENT POINT NO.	1	2	3	4
DEPTH, FT	STRESS, KSF			
3.750	.028	.151	.057	.302
7.000	.029	.134	.058	.268
11.000	.030	.112	.060	.224
18.000	.033	.087	.066	.174
24.500	.035	.072	.070	.144
29.500	.035	.063	.070	.126
40.550	.033	.050	.067	.100
54.050	.030	.039	.060	.077

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-16 Terrace Settlement July 26, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	.541	1.682	.914	2.363
2	.083	.294	.152	.465
3	.088	.291	.169	.508
4	.042	.105	.082	.198
5	.262	.527	.514	1.018
6	.385	.683	.758	1.327
7	.695	1.030	1.373	2.021

B16. OUT

8	. 292	. 375	. 578	. 741
TOTAL SETTLE.	2. 388	4. 987	4. 540	8. 641

b17. dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-17 Terrace Settlement July 26, 2011

6, 6, 4, 3, 1

1, 5, 4, 6, 14, 27, 37, 60

1, 32, 6, 1, 1

2, 38, 6, 2, 1

3, 52, 6, 3, 1

4, 47, 6, 4, 1

5, 34, 6, 5, 1

6, 16, 6, 6, 1

1, 3

Three points -1.5 to -4 feet

0, 0.04, 4.43, 0.768, 23.67, 2.768

2, 3

Three points -4 to -6 feet

0, 0.04, 4.28, 1.078, 17.91, 3.078

3, 3

Three points -6 to -14 feet

0, 0.04, 2.72, 0.719, 15.32, 2.718

4, 1

One point NC -14 to -27 feet

-21.8

5, 1

One point NC -27 to -37 feet

-5.033

6, 1

One point NC -37 to -60 feet

-5.827

1, 0, 0, 1

2, 21.5, 0, 1

3, 0, 2640, 1

4, 21.5, 2640, 1

'A1', 'RECT', 8.25, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

'A2', 'RECT', 21.5, 2640, 10, 5280, 0, 0.3115, 1.5, 0

'A3', 'RECT', 34.75, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

5

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-17 Terrace Settlement July 26, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	6
NUMBER OF SOIL COMPRESSIBILITIES	=	6
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS 2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	2.750	2.500	1.00	32.60	1	.041	.028
2	5.000	2.000	1.00	38.60	2	.120	1.429
3	10.000	8.000	1.00	52.60	3	.369	2.092
4	20.500	13.000	1.00	47.60	4	.889	.000
5	32.000	10.000	1.00	34.60	5	1.371	.000
6	48.500	23.000	1.00	16.60	6	1.735	.000

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-17 Terrace Settlement July 26, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0 SOIL COMPRESSIBILITY NO. 1
Three points -1.5 to -4 feet

F %	.00	4.43	23.67
P, KSF	.04	.77	2.77

0 SOIL COMPRESSIBILITY NO. 2
Three points -4 to -6 feet

F %	.00	4.28	17.91
P, KSF	.04	1.08	3.08

0 SOIL COMPRESSIBILITY NO. 3
Three points -6 to -14 feet

F %	.00	2.72	15.32
P, KSF	.04	.72	2.72

0 SOIL COMPRESSIBILITY NO. 4
One point NC -14 to -27 feet

THE SLOPE OF THE F(%) -LOG P CURVE IS 21.800 %

0 SOIL COMPRESSIBILITY NO. 5

B17.OUT
One point NC -27 to -37 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 5.033 %

0 SOIL COMPRESSIBILITY NO. 6
One point NC -37 to -60 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 5.827 %

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-17 Terrace Settlement July 26, 2011

TABLE 4 - SETTLEMENT POINT DATA

POINT NO,	POINT COORDINATES		LAYER NO. *	POINT NO,	POINT COORDINATES		LAYER NO. *
	X FT	Y FT			X FT	Y FT	
1	.00	.00	1	3	.00	2640.00	1
2	21.50	.00	1	4	21.50	2640.00	1

* NUMBER OF SOIL LAYER AT WHICH SETTLEMENT COMPUTATION BEGINS

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-17 Terrace Settlement July 26, 2011

TABLE 5 - LOADED AREA INFORMATION

AREA	SHAPE	CENTER COORD		AREA DIMEN.		AREA SLOPE	APPLIED PRESSURE KSF	AREA ELEV. FT	PRNT FLAG
		X FT	Y FT	XLEN FT	YLEN FT				
A1	RECT	8.25	2640.00	16.50	5280.00	.000	.113	1.500	0
A2	RECT	21.50	2640.00	10.00	5280.00	.000	.312	1.500	0
A3	RECT	34.75	2640.00	16.50	5280.00	.000	.113	1.500	0

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FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-17 Terrace Settlement July 26, 2011

TABLE 7 - AVERAGE STRESS INCREASE

SETTLEMENT POINT NO.	1	2	3	4
DEPTH, FT	STRESS, KSF			
2.750	.028	.155	.057	.309
5.000	.028	.147	.057	.293

B17. OUT

10.000	.030	.118	.060	.235
20.500	.034	.081	.068	.162
32.000	.035	.060	.070	.119
48.500	.031	.043	.063	.086

1

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Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-17 Terrace Settlement July 26, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	.237	.705	.392	.968
2	.067	.252	.123	.391
3	.072	.255	.138	.455
4	.553	1.290	1.086	2.477
5	.066	.112	.130	.219
6	.125	.171	.249	.338
TOTAL SETTLE.	1.121	2.786	2.118	4.847

b18.dat

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-18 Terrace Settlement July 26, 2011

6, 6, 4, 3, 1

1, 5, 4, 14, 18, 29, 41.7, 60

1, 22.6, 1, 1

2, 42.6, 2, 1

3, 57.6, 3, 1

4, 37.6, 4, 1

5, 17.6, 5, 1

6, 17.6, 6, 1

1, 3

Three points -1.5 to -4 feet

0, 0.04, 4.63, 0.828, 23.37, 2.828

2, 3

Three points -4 to -14 feet

0, 0.04, 4.05, 0.840, 20.23, 2.840

3, 1

One point NC -14 to -18 feet

-14.337

4, 1

One point NC -18 to -29 feet

-29.777

5, 1

One point NC -29 to -41.7 feet

-32.480

6, 1

One point NC -41.7 to -60 feet

-32.480

1, 0, 0, 1

2, 21.5, 0, 1

3, 0, 2640, 1

4, 21.5, 2640, 1

'A1', 'RECT', 8.25, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

'A2', 'RECT', 21.5, 2640, 10, 5280, 0, 0.3115, 1.5, 0

'A3', 'RECT', 34.75, 2640, 16.5, 5280, 0, 0.1132, 1.5, 0

5

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-18 Terrace Settlement July 26, 2011

TABLE 1 - PROBLEM CONTROL DATA

NUMBER OF SOIL LAYERS	=	6
NUMBER OF SOIL COMPRESSIBILITIES	=	6
NUMBER OF SETTLEMENT POINTS	=	4
NUMBER OF LOADED AREAS	=	3
MODE (1 = U. S. GRAVITATIONAL UNITS 2 = SI ABSOLUTE UNITS)	=	1

TABLE 2 - SOIL AND LAYER INFORMATION

SOIL LAYER NO.	DEPTH TO CENTER FT	LAYER THICKNESS FT	LAYER THICK. FACTOR	UNIT WEIGHT LB/FT**3	SOIL COMP NO.	OVERBURDEN PRESSURE KSF	INIT VERTICAL STRAIN (FO) %
1	2.750	2.500	1.00	22.60	1	.028	.000
2	9.000	10.000	1.00	42.60	2	.270	2.538
3	16.000	4.000	1.00	57.60	3	.598	.000
4	23.500	11.000	1.00	37.60	4	.920	.000
5	35.350	12.700	1.00	17.60	5	1.238	.000
6	50.850	18.300	1.00	17.60	6	1.511	.000

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
16715-020-00 B-18 Terrace Settlement July 26, 2011

TABLE 3 - SOIL COMPRESSIBILITY DATA AND SOURCE

0 SOIL COMPRESSIBILITY NO. 1
Three points -1.5 to -4 feet

F %	.00	4.63	23.37
P, KSF	.04	.83	2.83

0 SOIL COMPRESSIBILITY NO. 2
Three points -4 to -14 feet

F %	.00	4.05	20.23
P, KSF	.04	.84	2.84

0 SOIL COMPRESSIBILITY NO. 3
One point NC -14 to -18 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 14.337 %

0 SOIL COMPRESSIBILITY NO. 4
One point NC -18 to -29 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 29.777 %

0 SOIL COMPRESSIBILITY NO. 5

B18.0UT
 One point NC -29 to -41.7 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 32.480 %

0 SOIL COMPRESSIBILITY NO. 6
 One point NC -41.7 to -60 feet

THE SLOPE OF THE F(%)-LOG P CURVE IS 32.480 %

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-18 Terrace Settlement July 26, 2011

TABLE 4 - SETTLEMENT POINT DATA

POINT NO,	POINT COORDINATES		LAYER NO. *	POINT NO,	POINT COORDINATES		LAYER NO. *
	X FT	Y FT			X FT	Y FT	
1	.00	.00	1	3	.00	2640.00	1
2	21.50	.00	1	4	21.50	2640.00	1

* NUMBER OF SOIL LAYER AT WHICH SETTLEMENT COMPUTATION BEGINS

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 FOUNDATION SETTLEMENT ANALYSIS

Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-18 Terrace Settlement July 26, 2011

TABLE 5 - LOADED AREA INFORMATION

AREA	SHAPE	CENTER COORD		AREA DIMEN.		AREA SLOPE	APPLIED PRESSURE KSF	AREA ELEV. FT	PRNT FLAG
		X FT	Y FT	XLEN FT	YLEN FT				
A1	RECT	8.25	2640.00	16.50	5280.00	.000	.113	1.500	0
A2	RECT	21.50	2640.00	10.00	5280.00	.000	.312	1.500	0
A3	RECT	34.75	2640.00	16.50	5280.00	.000	.113	1.500	0

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Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-18 Terrace Settlement July 26, 2011

TABLE 7 - AVERAGE STRESS INCREASE

SETTLEMENT POINT NO.	1	2	3	4
DEPTH, FT	STRESS, KSF			
2.750	.028	.155	.057	.309
9.000	.030	.123	.059	.246

B18. OUT

16.000	.032	.092	.065	.185
23.500	.035	.074	.069	.148
35.350	.034	.055	.069	.111
50.850	.031	.041	.062	.082

1

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Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 16715-020-00 B-18 Terrace Settlement July 26, 2011

TABLE 8 - COMPUTED SETTLEMENT IN INCHES

SETTLEMENT POINT NO.	1	2	3	4
LAYER				
1	.159	.697	.345	.978
2	.171	.616	.325	1.063
3	.158	.430	.308	.806
4	.631	1.324	1.240	2.552
5	.590	.941	1.165	1.842
6	.626	.830	1.240	1.638
TOTAL SETTLE.	2.335	4.837	4.623	8.879

Project: Lost Lake Marsh Creation

Project #: 16715-020-00

Group/Boring:

Area Conversion Triangle to Rectangle

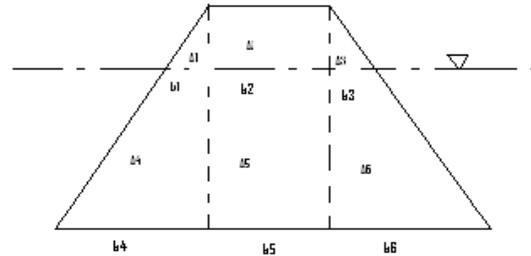
Total bottom width =	43	ft
Left side slope =	3	(3H:1V)
Right side slope =	3	(3H:1V)
Crown width =	10	ft
Crown elevation =	4	ft
Avg. bottom elev. of dike =	-1.5	ft
Water elev. =	1	ft
Height of dike =	5.5	ft
Unit weight of dike fill =	85	pcf

(Based on profiles provided/provided crown width and side slopes)

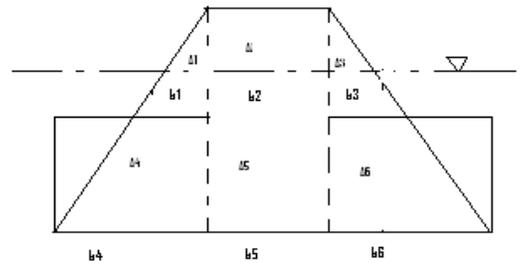
	ft		ft
b1 =	9.00	h1 =	3
b2 =	10.00	h2 =	3
b3 =	9.00	h3 =	3
b4 =	16.50	h4 =	5.5
b5 =	10.00	h5 =	5.5
b6 =	16.50	h6 =	5.5

Triangle Area

	Sq. ft
A1 =	13.5
A2 =	30
A3 =	13.5
A4 =	31.875
A5 =	25
A6 =	31.875



Equivalent Rectangle Area



Equivalent Rectangle Height/Width	ft	
W1 =	16.50	H1 = 2.75
W2 =	10.00	H2 = 5.5
W3 =	16.50	H3 = 2.75
Equivalent Stress	psf	ksf
S1 =	113.2045	0.113205
S2 =	311.5	0.3115
S3 =	113.2045	0.113205

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-3 ft)

SG: 2.7 Initial Fill El 3 ft
 e0: 4.336 Initial Avg. Mudline El 0 ft
 Vvi: 0.812594 Initial γ 82.2801 pcf
 Vs: 0.187406 Water El 1
 Initial stress 184.44

Construction period is 0 - 30 days

Ending Fill El 3 ft
 Ending Mudline El -0.0573 ft
 Ending γ 82.28006 pcf
 Fill Thickness 3.0573 ft
 Ending Stress: 185.6 psf
 0.186 ksf
 MC: 1.606

30 - 45 days (0 - 15 days PSDDF)	45 - 60 days (15 - 30 days PSDDF)	60 - 110 days (30 - 80 days PSDDF)	110 - 140 days (80 - 110 days PSDDF)	140 - 180 days (110 - 150 days PSDDF)	180 - 365 days (150 - 365 days PSDDF)
Total Foundation Settlement: 0.0707 ft	Total Foundation Settlement: 0.0525 ft	Total Foundation Settlement: 0.07 ft	Total Foundation Settlement: 0.0648 ft	Total Foundation Settlement: 0.0658 ft	Total Foundation Settlement: 0.0848 ft
Ending Mudline El: -0.071 ft	Ending Mudline El: -0.071 ft	Ending Mudline El: -0.071 ft	Ending Mudline El: -0.071 ft	Ending Mudline El: -0.071 ft	Ending Mudline El: -0.085 ft
PSDDF Settlement: 1.248 ft	PSDDF Settlement: 1.276 ft	PSDDF Settlement: 1.623 ft	PSDDF Settlement: 1.794 ft	PSDDF Settlement: 1.911 ft	PSDDF Settlement: 1.931 ft
Ending Fill El: 1.739 ft	Ending Fill El: 1.711 ft	Ending Fill El: 1.364 ft	Ending Fill El: 1.193 ft	Ending Fill El: 1.076 ft	Ending Fill El: 1.042 ft
Ending Fill Thickness: 1.8093 ft	Ending Fill Thickness: 1.7813 ft	Ending Fill Thickness: 1.4343 ft	Ending Fill Thickness: 1.2633 ft	Ending Fill Thickness: 1.1463 ft	Ending Fill Thickness: 1.1263 ft
Vv30: 0.4044	Vv30: 0.3952	Vv30: 0.2817	Vv30: 0.2258	Vv30: 0.1875	Vv30: 0.1810
e15: 2.1578	e30: 2.1090	e60: 1.5033	e150: 1.2049	e365: 1.0007	e365: 0.9658
MC: 0.7992	MC: 0.7811	MC: 0.5568	MC: 0.4463	MC: 0.3706	MC: 0.3577
Ending γ : 95.99 pcf	Ending γ : 96.52 pcf	Ending γ : 104.78 pcf	Ending γ : 110.51 pcf	Ending γ : 115.42 pcf	Ending γ : 116.36 pcf
Effective Stress: 106.87 psf	Effective Stress: 105.12 psf	Effective Stress: 83.47 psf	Effective Stress: 72.80 psf	Effective Stress: 65.50 psf	Effective Stress: 63.37 psf
0.107 ksf	0.105 ksf	0.083 ksf	0.073 ksf	0.065 ksf	0.063 ksf

365 - 545 days
 Total Foundation Settlement: 0.1008 ft
Ending Mudline El: -0.101 ft
 PSDDF Settlement: 1.931 ft
Ending Fill El: 1.026 ft
 Ending Fill Thickness: 1.1263 ft
 Vv30: 0.1810
 e1095: 0.9658
 MC: 0.3577
 Ending γ : 116.36 pcf
 Effective Stress: 62.37 psf
 0.062 ksf

545 - 730 days
 Total Foundation Settlement: 0.115 ft
Ending Mudline El: -0.115 ft
 PSDDF Settlement: 1.931 ft
Ending Fill El: 1.011 ft
 Ending Fill Thickness: 1.1263 ft
 Vv30: 0.1810
 e1825: 0.9658
 MC: 0.3577
 Ending γ : 116.36 pcf
 Effective Stress: 61.48 psf
 0.061 ksf

730 - 1095 days
 Total Foundation Settlement: 0.1388 ft
Ending Mudline El: -0.139 ft
 PSDDF Settlement: 1.931 ft
Ending Fill El: 0.988 ft
 Ending Fill Thickness: 1.1263 ft
 Vv30: 0.1810
 e3650: 0.9658
 MC: 0.3577
 Ending γ : 116.36 pcf
 Effective Stress: 60.78 psf
 0.061 ksf

1095 - 1460 days
 Total Foundation Settlement: 0.1597 ft
Ending Mudline El: -0.160 ft
 PSDDF Settlement: 1.931 ft
Ending Fill El: 0.967 ft
 Ending Fill Thickness: 1.1263 ft
 Vv30: 0.1810
 e7300: 0.9658
 MC: 0.3577
 Ending γ : 116.36 pcf
 Effective Stress: 60.78 psf
 0.061 ksf

1460 - 1825 days
 Total Foundation Settlement: 0.1776 ft
Ending Mudline El: -0.178 ft
 PSDDF Settlement: 1.931 ft
Ending Fill El: 0.949 ft
 Ending Fill Thickness: 1.1263 ft
 Vv30: 0.1810
 e7300: 0.9658
 MC: 0.3577
 Ending γ : 116.36 pcf
 Effective Stress: 60.78 psf
 0.061 ksf

1825 - 3650 days
 Total Foundation Settlement: 0.2392 ft
Ending Mudline El: -0.239 ft
 PSDDF Settlement: 1.931 ft
Ending Fill El: 0.887 ft
 Ending Fill Thickness: 1.1263 ft
 Vv30: 0.1810
 e7300: 0.9658
 MC: 0.3577
 Ending γ : 116.36 pcf
 Effective Stress: 60.78 psf
 0.061 ksf

Total Fc

3650 - 7300 days
Foundation Settlement: 0.30149 ft
Ending Mudline El: -0.301 ft
PSDDF Settlement: 1.931 ft
Ending Fill El: 0.825 ft
Ending Fill Thickness: 1.1263 ft
Vv30: 0.1810
e7300: 0.9658
MC: 0.3577
Ending γ : 116.36 pcf
Effective Stress: 60.78 psf
0.061 ksf

7300 - 18250 days
Total Foundation Settlement: 0.3833 ft
Ending Mudline El: -0.383 ft
PSDDF Settlement: 1.931 ft
Ending Fill El: 0.743 ft
Ending Fill Thickness: 1.1263 ft
Vv30: 0.1810
e7300: 0.9658
MC: 0.3577
Ending γ : 116.36 pcf
Effective Stress: 60.78 psf
0.061 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-7 (Lift 1-2 ft)

SG: 2.7 Initial Fill El 2 ft
 e0: 4.336 Initial Avg. Mudline El 0 ft
 Vvi: 0.812594 Initial γ 82.2801 pcf
 Vs: 0.187406 Water El 1
 Initial stress 102.16

Construction period is 0 - 30 days
 Ending Fill El 2 ft
 Ending Mudline El -0.0357 ft
 Ending γ 82.28006 pcf
 Fill Thickness 2.0357 ft
 Ending Stress: 102.9 psf
 0.103 ksf
 MC: 1.606

30 - 45 days (0 - 15 days PSDDF)
 Total Foundation Settlement: 0.044 ft
Ending Mudline El: -0.044 ft
 PSDDF Settlement: 0.757 ft
Ending Fill El: 1.235 ft
 Ending Fill Thickness: 1.2787 ft
 Vv30: 0.4407
 e15: 2.3517
 MC: 0.8710
 Ending γ : 94.05 pcf
 Effective Stress: 55.12 psf
 0.055 ksf

45 - 60 days (15 - 30 days PSDDF)
 Total Foundation Settlement: 0.0297 ft
Ending Mudline El: -0.044 ft
 PSDDF Settlement: 0.758 ft
Ending Fill El: 1.234 ft
 Ending Fill Thickness: 1.2777 ft
 Vv30: 0.4402
 e30: 2.3491
 MC: 0.8700
 Ending γ : 94.07 pcf
 Effective Stress: 55.05 psf
 0.055 ksf

60 - 110 days (30 - 80 days PSDDF)
 Total Foundation Settlement: 0.0415 ft
Ending Mudline El: -0.044 ft
 PSDDF Settlement: 1.056 ft
Ending Fill El: 0.936 ft
 Ending Fill Thickness: 0.9797 ft
 Vv30: 0.2939
 e60: 1.5680
 MC: 0.5807
 Ending γ : 103.71 pcf
 Effective Stress: 40.47 psf
 0.040 ksf

110 - 140 days (80 - 110 days PSDDF)
 Total Foundation Settlement: 0.034 ft
Ending Mudline El: -0.044 ft
 PSDDF Settlement: 1.057 ft
Ending Fill El: 0.935 ft
 Ending Fill Thickness: 0.9787 ft
 Vv30: 0.2934
 e150: 1.5654
 MC: 0.5798
 Ending γ : 103.75 pcf
 Effective Stress: 40.47 psf
 0.040 ksf

140 - 180 days (110 - 150 days PSDDF)
 Total Foundation Settlement: 0.0386 ft
Ending Mudline El: -0.044 ft
 PSDDF Settlement: 1.057 ft
Ending Fill El: 0.935 ft
 Ending Fill Thickness: 0.9787 ft
 Vv30: 0.2934
 e365: 1.5654
 MC: 0.5798
 Ending γ : 103.75 pcf
 Effective Stress: 40.47 psf
 0.040 ksf

180 - 365 days (150 - 365 days PSDDF)
 Total Foundation Settlement: 0.0549 ft
Ending Mudline El: -0.055 ft
 PSDDF Settlement: 1.057 ft
Ending Fill El: 0.924 ft
 Ending Fill Thickness: 0.9787 ft
 Vv30: 0.2934
 e365: 1.5654
 MC: 0.5798
 Ending γ : 103.75 pcf
 Effective Stress: 40.47 psf
 0.040 ksf

	365 - 545 days	545 - 730 days	730 - 1095 days	1095 - 1460 days	1460 - 1825 days	1825 -
>SDDF]						
ft	Total Foundation Settlement: 0.0671 ft	Total Foundation Settlement: 0.0777 ft	Total Foundation Settlement: 0.0951 ft	Total Foundation Settlement: 0.1093 ft	Total Foundation Settlement: 0.122 ft	Total Foundation Settlement:
ft	Ending Mudline El: -0.067 ft	Ending Mudline El: -0.078 ft	Ending Mudline El: -0.095 ft	Ending Mudline El: -0.109 ft	Ending Mudline El: -0.122 ft	Ending Mudline El:
ft	PSDDF Settlement: 1.057 ft	PSDDF Settlement: 1.057 ft	PSDDF Settlement: 1.057 ft	PSDDF Settlement: 1.057 ft	PSDDF Settlement: 1.057 ft	PSDDF Settlement:
ft	Ending Fill El: 0.912 ft	Ending Fill El: 0.901 ft	Ending Fill El: 0.884 ft	Ending Fill El: 0.869 ft	Ending Fill El: 0.857 ft	Ending Fill El:
ft	Ending Fill Thickness: 0.9787 ft	Ending Fill Thickness: 0.9787 ft	Ending Fill Thickness: 0.9787 ft	Ending Fill Thickness: 0.9787 ft	Ending Fill Thickness: 0.9787 ft	Ending Fill Thickness:
	Vv30: 0.2934	Vv30: 0.2934	Vv30: 0.2934	Vv30: 0.2934	Vv30: 0.2934	Vv30:
	e1095: 1.5654	e1825: 1.5654	e3650: 1.5654	e7300: 1.5654	e7300: 1.5654	e7300:
	MC: 0.5798	MC: 0.5798	MC: 0.5798	MC: 0.5798	MC: 0.5798	MC:
pcf	Ending γ : 103.75 pcf	Ending γ : 103.75 pcf	Ending γ : 103.75 pcf	Ending γ : 103.75 pcf	Ending γ : 103.75 pcf	Ending γ :
psf	Effective Stress: 40.47 psf	Effective Stress: 40.47 psf	Effective Stress: 40.47 psf	Effective Stress: 40.47 psf	Effective Stress: 40.47 psf	Effective Stress:
ksf	0.040 ksf	0.040 ksf	0.040 ksf	0.040 ksf	0.040 ksf	

3650 days

0.164 ft
-0.164 ft
1.057 ft
0.815 ft
0.9787 ft
0.2934
1.5654
0.5798
103.75 pcf
40.47 psf
0.040 ksf

3650 - 7300 days

Total Foundation Settlement: 0.206 ft
Ending Mudline El: -0.206 ft
PSDDF Settlement: 1.057 ft
Ending Fill El: 0.773 ft
Ending Fill Thickness: 0.9787 ft
Vv30: 0.2934
e7300: 1.5654
MC: 0.5798
Ending γ : 103.75 pcf
Effective Stress: 40.47 psf
0.040 ksf

7300 - 18250 days

Total Foundation Settlement: 0.2601 ft
Ending Mudline El: -0.260 ft
PSDDF Settlement: 1.057 ft
Ending Fill El: 0.719 ft
Ending Fill Thickness: 0.9787 ft
Vv30: 0.2934
e7300: 1.5654
MC: 0.5798
Ending γ : 103.75 pcf
Effective Stress: 40.47 psf
0.040 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-3 ft)

SG: 2.72 Initial Fill El 3 ft
 e0: 4.526 Initial Avg. Mudline El 0 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 183.067

Construction period is 0 - 30 days
 Ending Fill El 3 ft
 Ending Mudline El -0.2369 ft
 Ending γ 81.822367 pcf
 Fill Thickness 3.2369 ft
 Ending Stress: 187.7 psf
 0.188 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)
 Total Foundation Settlement: 0.2864 ft
Ending Mudline El: -0.286 ft
 PSDDF Settlement: 1.302 ft
Ending Fill El: 1.649 ft
 Ending Fill Thickness: 1.9349 ft
 Vv30: 0.4168
 e15: 2.3032
 MC: 0.8468
 Ending γ : 94.89 pcf
 Effective Stress: 103.33 psf
 0.103 ksf

45 - 60 days (15 - 30 days PSDDF)
 Total Foundation Settlement: 0.1961 ft
Ending Mudline El: -0.286 ft
 PSDDF Settlement: 1.336 ft
Ending Fill El: 1.615 ft
 Ending Fill Thickness: 1.9009 ft
 Vv30: 0.4063
 e30: 2.2452
 MC: 0.8254
 Ending γ : 95.47 pcf
 Effective Stress: 101.21 psf
 0.101 ksf

60 - 110 days (30 - 80 days PSDDF)
 Total Foundation Settlement: 0.2294 ft
Ending Mudline El: -0.286 ft
 PSDDF Settlement: 1.629 ft
Ending Fill El: 1.322 ft
 Ending Fill Thickness: 1.6079 ft
 Vv30: 0.3158
 e60: 1.7450
 MC: 0.6415
 Ending γ : 101.50 pcf
 Effective Stress: 82.93 psf
 0.083 ksf

110 - 140 days (80 - 110 days PSDDF)
 Total Foundation Settlement: 0.2029 ft
Ending Mudline El: -0.286 ft
 PSDDF Settlement: 1.818 ft
Ending Fill El: 1.133 ft
 Ending Fill Thickness: 1.4189 ft
 Vv30: 0.2574
 e150: 1.4223
 MC: 0.5229
 Ending γ : 106.71 pcf
 Effective Stress: 71.14 psf
 0.071 ksf

140 - 180 days (110 - 150 days PSDDF)
 Total Foundation Settlement: 0.1836 ft
Ending Mudline El: -0.286 ft
 PSDDF Settlement: 1.906 ft
Ending Fill El: 1.045 ft
 Ending Fill Thickness: 1.3309 ft
 Vv30: 0.2302
 e365: 1.2721
 MC: 0.4677
 Ending γ : 109.64 pcf
 Effective Stress: 65.65 psf
 0.066 ksf

180 - 365 days (150 - 365 days PSDDF)
 Total Foundation Settlement: 0.1875 ft
Ending Mudline El: -0.286 ft
 PSDDF Settlement: 1.936 ft
Ending Fill El: 1.015 ft
 Ending Fill Thickness: 1.3009 ft
 Vv30: 0.2209
 e365: 1.2209
 MC: 0.4489
 Ending γ : 110.73 pcf
 Effective Stress: 63.77 psf
 0.064 ksf

	365 - 545 days	545 - 730 days	730 - 1095 days	1095 - 1460 days	1460 - 1825 days	1825 -
>SDDF]						
ft	Total Foundation Settlement: 0.1887 ft	Total Foundation Settlement: 0.193 ft	Total Foundation Settlement: 0.1988 ft	Total Foundation Settlement: 0.203 ft	Total Foundation Settlement: 0.2065 ft	Total Foundation Settlement:
ft	Ending Mudline El: -0.286 ft	Ending Mudline El: -0.286 ft	Ending Mudline El: -0.286 ft	Ending Mudline El: -0.286 ft	Ending Mudline El: -0.286 ft	Ending Mudline El:
ft	PSDDF Settlement: 1.936 ft	PSDDF Settlement: 1.936 ft	PSDDF Settlement: 1.936 ft	PSDDF Settlement: 1.936 ft	PSDDF Settlement: 1.936 ft	PSDDF Settlement:
ft	Ending Fill El: 1.015 ft	Ending Fill El: 1.015 ft	Ending Fill El: 1.015 ft	Ending Fill El: 1.015 ft	Ending Fill El: 1.015 ft	Ending Fill El:
ft	Ending Fill Thickness: 1.3009 ft	Ending Fill Thickness: 1.3009 ft	Ending Fill Thickness: 1.3009 ft	Ending Fill Thickness: 1.3009 ft	Ending Fill Thickness: 1.3009 ft	Ending Fill Thickness:
	Vv30: 0.2209	Vv30: 0.2209	Vv30: 0.2209	Vv30: 0.2209	Vv30: 0.2209	Vv30:
	e1095: 1.2209	e1825: 1.2209	e3650: 1.2209	e7300: 1.2209	e7300: 1.2209	e7300:
	MC: 0.4489	MC: 0.4489	MC: 0.4489	MC: 0.4489	MC: 0.4489	MC:
pcf	Ending γ : 110.73 pcf	Ending γ : 110.73 pcf	Ending γ : 110.73 pcf	Ending γ : 110.73 pcf	Ending γ : 110.73 pcf	Ending γ :
psf	Effective Stress: 63.77 psf	Effective Stress: 63.77 psf	Effective Stress: 63.77 psf	Effective Stress: 63.77 psf	Effective Stress: 63.77 psf	Effective Stress:
ksf	0.064 ksf	0.064 ksf	0.064 ksf	0.064 ksf	0.064 ksf	

3650 days

0.22 ft
-0.286 ft
1.936 ft
1.015 ft
1.3009 ft
0.2209
1.2209
0.4489
110.73 pcf
63.77 psf
0.064 ksf

3650 - 7300 days

Total Foundation Settlement: 0.239 ft
Ending Mudline El: -0.286 ft
PSDDF Settlement: 1.936 ft
Ending Fill El: 1.015 ft
Ending Fill Thickness: 1.3009 ft
Vv30: 0.2209
e7300: 1.2209
MC: 0.4489
Ending γ : 110.73 pcf
Effective Stress: 63.77 psf
0.064 ksf

7300 - 18250 days

Total Foundation Settlement: 0.2697 ft
Ending Mudline El: -0.286 ft
PSDDF Settlement: 1.936 ft
Ending Fill El: 1.015 ft
Ending Fill Thickness: 1.3009 ft
Vv30: 0.2209
e7300: 1.2209
MC: 0.4489
Ending γ : 110.73 pcf
Effective Stress: 63.77 psf
0.064 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-11 (Lift 1-2 ft)

SG: 2.72 Initial Fill El 2 ft
 e0: 4.526 Initial Avg. Mudline El 0 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 101.245

Construction period is 0 - 30 days
 Ending Fill El 2 ft
 Ending Mudline El -0.1467 ft
 Ending γ 81.822367 pcf
 Fill Thickness 2.1467 ft
 Ending Stress: 104.1 psf
 0.104 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)
 Total Foundation Settlement: 0.1781 ft
Ending Mudline El: -0.178 ft
 PSDDF Settlement: 0.799 ft
Ending Fill El: 1.170 ft
 Ending Fill Thickness: 1.3477 ft
 Vv30: 0.4468
 e15: 2.4692
 MC: 0.9078
 Ending γ : 93.34 pcf
 Effective Stress: 52.28 psf
 0.052 ksf

45 - 60 days (15 - 30 days PSDDF)
 Total Foundation Settlement: 0.0998 ft
Ending Mudline El: -0.178 ft
 PSDDF Settlement: 0.801 ft
Ending Fill El: 1.168 ft
 Ending Fill Thickness: 1.3457 ft
 Vv30: 0.4459
 e30: 2.4641
 MC: 0.9059
 Ending γ : 93.38 pcf
 Effective Stress: 52.15 psf
 0.052 ksf

60 - 110 days (30 - 80 days PSDDF)
 Total Foundation Settlement: 0.0984 ft
Ending Mudline El: -0.178 ft
 PSDDF Settlement: 1.082 ft
Ending Fill El: 0.887 ft
 Ending Fill Thickness: 1.0647 ft
 Vv30: 0.3150
 e60: 1.7407
 MC: 0.6400
 Ending γ : 101.56 pcf
 Effective Stress: 41.69 psf
 0.042 ksf

110 - 140 days (80 - 110 days PSDDF)
 Total Foundation Settlement: 0.2029 ft
Ending Mudline El: -0.203 ft
 PSDDF Settlement: 1.082 ft
Ending Fill El: 0.862 ft
 Ending Fill Thickness: 1.0647 ft
 Vv30: 0.3150
 e150: 1.7407
 MC: 0.6400
 Ending γ : 101.56 pcf
 Effective Stress: 41.69 psf
 0.042 ksf

140 - 180 days (110 - 150 days PSDDF)
 Total Foundation Settlement: 0.104 ft
Ending Mudline El: -0.178 ft
 PSDDF Settlement: 1.082 ft
Ending Fill El: 0.887 ft
 Ending Fill Thickness: 1.0647 ft
 Vv30: 0.3150
 e365: 1.7407
 MC: 0.6400
 Ending γ : 101.56 pcf
 Effective Stress: 41.69 psf
 0.042 ksf

180 - 365 days (150 - 365 days PSDDF)
 Total Foundation Settlement: 0.115 ft
Ending Mudline El: -0.203 ft
 PSDDF Settlement: 1.082 ft
Ending Fill El: 0.862 ft
 Ending Fill Thickness: 1.0647 ft
 Vv30: 0.3150
 e365: 1.7407
 MC: 0.6400
 Ending γ : 101.56 pcf
 Effective Stress: 41.69 psf
 0.042 ksf

	365 - 545 days	545 - 730 days	730 - 1095 days	1095 - 1460 days	1460 - 1825 days	1825 -
>SDDF]						
ft	Total Foundation Settlement: 0.1198 ft	Total Foundation Settlement: 0.1228 ft	Total Foundation Settlement: 0.1267 ft	Total Foundation Settlement: 0.1295 ft	Total Foundation Settlement: 0.1318 ft	Total Foundation Settlement:
ft	Ending Mudline El: -0.203 ft	Ending Mudline El:				
ft	PSDDF Settlement: 1.082 ft	PSDDF Settlement: 1.082 ft	PSDDF Settlement: 1.082 ft	PSDDF Settlement: 1.082 ft	PSDDF Settlement: 1.082 ft	PSDDF Settlement:
ft	Ending Fill El: 0.862 ft	Ending Fill El:				
ft	Ending Fill Thickness: 1.0647 ft	Ending Fill Thickness: 1.0647 ft	Ending Fill Thickness: 1.0647 ft	Ending Fill Thickness: 1.0647 ft	Ending Fill Thickness: 1.0647 ft	Ending Fill Thickness:
	Vv30: 0.3150	Vv30:				
	e1095: 1.7407	e1825: 1.7407	e3650: 1.7407	e7300: 1.7407	e7300: 1.7407	e7300:
	MC: 0.6400	MC:				
pcf	Ending γ : 101.56 pcf	Ending γ : 101.56 pcf	Ending γ : 101.56 pcf	Ending γ : 101.56 pcf	Ending γ : 101.56 pcf	Ending γ :
psf	Effective Stress: 41.69 psf	Effective Stress: 41.69 psf	Effective Stress: 41.69 psf	Effective Stress: 41.69 psf	Effective Stress: 41.69 psf	Effective Stress:
ksf	0.042 ksf	0.042 ksf	0.042 ksf	0.042 ksf	0.042 ksf	

3650 days

0.1407 ft
-0.203 ft
1.082 ft
0.862 ft
1.0647 ft
0.3150
1.7407
0.6400
101.56 pcf
41.69 psf
0.042 ksf

3650 - 7300 days

Total Foundation Settlement: 0.1533 ft
Ending Mudline El: -0.203 ft
PSDDF Settlement: 1.082 ft
Ending Fill El: 0.862 ft
Ending Fill Thickness: 1.0647 ft
Vv30: 0.3150
e7300: 1.7407
MC: 0.6400
Ending γ : 101.56 pcf
Effective Stress: 41.69 psf
0.042 ksf

7300 - 18250 days

Total Foundation Settlement: 0.1735 ft
Ending Mudline El: -0.203 ft
PSDDF Settlement: 1.082 ft
Ending Fill El: 0.862 ft
Ending Fill Thickness: 1.0647 ft
Vv30: 0.3150
e7300: 1.7407
MC: 0.6400
Ending γ : 101.56 pcf
Effective Stress: 41.69 psf
0.042 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-3 ft)

SG: 2.72 Initial Fill El 3 ft
 e0: 4.526 Initial Avg. Mudline El -0.22 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 187.34

Construction period is 0 - 30 days
 Ending Fill El 3 ft
 Ending Mudline El -0.3392 ft
 Ending γ 81.822367 pcf
 Fill Thickness 3.3392 ft
 Ending Stress: 189.7 psf
 0.190 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)
 Total Foundation Settlement: 0.1404 ft
Ending Mudline El: -0.360 ft
 PSDDF Settlement: 1.351 ft
Ending Fill El: 1.628 ft
 Ending Fill Thickness: 1.9882 ft
 Vv30: 0.4144
 e15: 2.2902
 MC: 0.8420
 Ending γ : 95.02 pcf
 Effective Stress: 104.03 psf
 0.104 ksf

45 - 60 days (15 - 30 days PSDDF)
 Total Foundation Settlement: 0.097 ft
Ending Mudline El: -0.360 ft
 PSDDF Settlement: 1.387 ft
Ending Fill El: 1.592 ft
 Ending Fill Thickness: 1.9522 ft
 Vv30: 0.4037
 e30: 2.2307
 MC: 0.8201
 Ending γ : 95.62 pcf
 Effective Stress: 101.78 psf
 0.102 ksf

60 - 110 days (30 - 80 days PSDDF)
 Total Foundation Settlement: 0.1202 ft
Ending Mudline El: -0.360 ft
 PSDDF Settlement: 1.684 ft
Ending Fill El: 1.295 ft
 Ending Fill Thickness: 1.6552 ft
 Vv30: 0.3147
 e60: 1.7392
 MC: 0.6394
 Ending γ : 101.58 pcf
 Effective Stress: 83.25 psf
 0.083 ksf

110 - 140 days (80 - 110 days PSDDF)
 Total Foundation Settlement: 0.1109 ft
Ending Mudline El: -0.360 ft
 PSDDF Settlement: 1.876 ft
Ending Fill El: 1.103 ft
 Ending Fill Thickness: 1.4632 ft
 Vv30: 0.2572
 e150: 1.4214
 MC: 0.5226
 Ending γ : 106.72 pcf
 Effective Stress: 71.27 psf
 0.071 ksf

140 - 180 days (110 - 150 days PSDDF)
 Total Foundation Settlement: 0.107 ft
Ending Mudline El: -0.360 ft
 PSDDF Settlement: 1.963 ft
Ending Fill El: 1.016 ft
 Ending Fill Thickness: 1.3762 ft
 Vv30: 0.2312
 e365: 1.2775
 MC: 0.4697
 Ending γ : 109.53 pcf
 Effective Stress: 65.84 psf
 0.066 ksf

180 - 365 days (150 - 365 days PSDDF)
 Total Foundation Settlement: 0.1304 ft
Ending Mudline El: -0.360 ft
 PSDDF Settlement: 1.997 ft
Ending Fill El: 0.982 ft
 Ending Fill Thickness: 1.3422 ft
 Vv30: 0.2210
 e365: 1.2212
 MC: 0.4490
 Ending γ : 110.72 pcf
 Effective Stress: 64.86 psf
 0.065 ksf

3650 days

0.2361 ft
-0.456 ft
1.999 ft
0.884 ft
1.3402 ft
0.2204
1.2179
0.4478
110.79 pcf
64.86 psf
0.065 ksf

3650 - 7300 days

Total Foundation Settlement: 0.287 ft
Ending Mudline El: -0.507 ft
PSDDF Settlement: 1.999 ft
Ending Fill El: 0.833 ft
Ending Fill Thickness: 1.3402 ft
Vv30: 0.2204
e7300: 1.2179
MC: 0.4478
Ending γ : 110.79 pcf
Effective Stress: 64.86 psf
0.065 ksf

7300 - 18250 days

Total Foundation Settlement: 0.378 ft
Ending Mudline El: -0.598 ft
PSDDF Settlement: 1.999 ft
Ending Fill El: 0.742 ft
Ending Fill Thickness: 1.3402 ft
Vv30: 0.2204
e7300: 1.2179
MC: 0.4478
Ending γ : 110.79 pcf
Effective Stress: 64.86 psf
0.065 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-12 (Lift 1-2 ft)

SG:	2.72	Initial Fill El	2 ft
e0:	4.526	Initial Avg. Mudline El	-0.22 ft
Vvi:	0.819037	Initial γ	81.8224 pcf
Vs:	0.180963	Water El	1
		Initial stress	105.518

Construction period is 0 - 30 days

Ending Fill El	2 ft
Ending Mudline El	-0.2965 ft
Ending γ	81.822367 pcf
Fill Thickness	2.2965 ft
Ending Stress:	107.0 psf
	0.107 ksf
MC:	1.664

30 - 45 days (0 - 15 days PSDDF)

Total Foundation Settlement:	0.0893 ft
Ending Mudline El:	-0.309 ft
PSDDF Settlement:	0.871 ft
Ending Fill El:	1.116 ft
Ending Fill Thickness:	1.4255 ft
Vv30:	0.4398
e15:	2.4301
MC:	0.8934
Ending γ :	93.69 pcf
Effective Stress:	51.85 psf
	0.052 ksf

45 - 60 days (15 - 30 days PSDDF)

Total Foundation Settlement:	0.0533 ft
Ending Mudline El:	-0.309 ft
PSDDF Settlement:	0.873 ft
Ending Fill El:	1.114 ft
Ending Fill Thickness:	1.4235 ft
Vv30:	0.4389
e30:	2.4253
MC:	0.8917
Ending γ :	93.73 pcf
Effective Stress:	51.73 psf
	0.052 ksf

60 - 110 days (30 - 80 days PSDDF)

Total Foundation Settlement:	0.0668 ft
Ending Mudline El:	-0.309 ft
PSDDF Settlement:	1.16 ft
Ending Fill El:	0.827 ft
Ending Fill Thickness:	1.1365 ft
Vv30:	0.3139
e60:	1.7347
MC:	0.6378
Ending γ :	101.65 pcf
Effective Stress:	44.60 psf
	0.045 ksf

110 - 140 days (80 - 110 days PSDDF)

Total Foundation Settlement: 0.0643 ft
Ending Mudline El: -0.309 ft
PSDDF Settlement: 1.16 ft
Ending Fill El: 0.827 ft
Ending Fill Thickness: 1.1365 ft
Vv30: 0.3139
e150: 1.7347
MC: 0.6378
Ending γ : 101.65 pcf
Effective Stress: 44.60 psf
0.045 ksf

140 - 180 days (110 - 150 days PSDDF)

Total Foundation Settlement: 0.071 ft
Ending Mudline El: -0.309 ft
PSDDF Settlement: 1.16 ft
Ending Fill El: 0.827 ft
Ending Fill Thickness: 1.1365 ft
Vv30: 0.3139
e365: 1.7347
MC: 0.6378
Ending γ : 101.65 pcf
Effective Stress: 44.60 psf
0.045 ksf

180 - 365 days (150 - 365 days PSDDF)

Total Foundation Settlement: 0.0921 ft
Ending Mudline El: -0.312 ft
PSDDF Settlement: 1.16 ft
Ending Fill El: 0.824 ft
Ending Fill Thickness: 1.1365 ft
Vv30: 0.3139
e365: 1.7347
MC: 0.6378
Ending γ : 101.65 pcf
Effective Stress: 44.60 psf
0.045 ksf

365 - 545 days

Total Foundation Settlement: 0.105 ft
Ending Mudline El: -0.325 ft
PSDDF Settlement: 1.16 ft
Ending Fill El: 0.812 ft
Ending Fill Thickness: 1.1365 ft
Vv30: 0.3139
e1095: 1.7347
MC: 0.6378
Ending γ : 101.65 pcf
Effective Stress: 44.60 psf
0.045 ksf

545 - 730 days

Total Foundation Settlement: 0.115 ft
Ending Mudline El: -0.335 ft
PSDDF Settlement: 1.16 ft
Ending Fill El: 0.802 ft
Ending Fill Thickness: 1.1365 ft
Vv30: 0.3139
e1825: 1.7347
MC: 0.6378
Ending γ : 101.65 pcf
Effective Stress: 44.60 psf
0.045 ksf

730 - 1095 days

Total Foundation Settlement: 0.127 ft
Ending Mudline El: -0.347 ft
PSDDF Settlement: 1.16 ft
Ending Fill El: 0.790 ft
Ending Fill Thickness: 1.1365 ft
Vv30: 0.3139
e3650: 1.7347
MC: 0.6378
Ending γ : 101.65 pcf
Effective Stress: 44.60 psf
0.045 ksf

1095 - 1460 days

Total Foundation Settlement: 0.136 ft
Ending Mudline El: -0.356 ft
PSDDF Settlement: 1.16 ft
Ending Fill El: 0.781 ft
Ending Fill Thickness: 1.1365 ft
Vv30: 0.3139
e7300: 1.7347
MC: 0.6378
Ending γ : 101.65 pcf
Effective Stress: 44.60 psf
0.045 ksf

1460 - 1825 days

Total Foundation Settlement: 0.142 ft
Ending Mudline El: -0.362 ft
PSDDF Settlement: 1.16 ft
Ending Fill El: 0.775 ft
Ending Fill Thickness: 1.1365 ft
Vv30: 0.3139
e7300: 1.7347
MC: 0.6378
Ending γ : 101.65 pcf
Effective Stress: 44.60 psf
0.045 ksf

1825 - 3650 days

Total Foundation Settlement: 0.168 ft
Ending Mudline El: -0.388 ft
PSDDF Settlement: 1.16 ft
Ending Fill El: 0.749 ft
Ending Fill Thickness: 1.1365 ft
Vv30: 0.3139
e7300: 1.7347
MC: 0.6378
Ending γ : 101.65 pcf
Effective Stress: 44.60 psf
0.045 ksf

3650 - 7300 days

Total Foundation Settlement: 0.203 ft
Ending Mudline El: -0.423 ft
PSDDF Settlement: 1.16 ft
Ending Fill El: 0.714 ft
Ending Fill Thickness: 1.1365 ft
Vv30: 0.3139
e7300: 1.7347
MC: 0.6378
Ending γ : 101.65 pcf
Effective Stress: 44.60 psf
0.045 ksf

7300 - 18250 days

Total Foundation Settlement: 0.267 ft
Ending Mudline El: -0.487 ft
PSDDF Settlement: 1.16 ft
Ending Fill El: 0.650 ft
Ending Fill Thickness: 1.1365 ft
Vv30: 0.3139
e7300: 1.7347
MC: 0.6378
Ending γ : 101.65 pcf
Effective Stress: 44.60 psf
0.045 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13 (Lift 1-3 ft)

SG: 2.72 Initial Fill El 3 ft
 e0: 4.526 Initial Avg. Mudline El -1.357 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 209.423

Construction period is 0 - 30 days
 Ending Fill El 3 ft
 Ending Mudline El -1.4015 ft
 Ending γ 81.822367 pcf
 Fill Thickness 4.4015 ft
 Ending Stress: 210.3 psf
 0.210 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)
 Total Foundation Settlement: 0.0548 ft
Ending Mudline El: -1.412 ft
 PSDDF Settlement: 1.85 ft
Ending Fill El: 1.140 ft
 Ending Fill Thickness: 2.5515 ft
 Vv30: 0.3987
 e15: 2.2034
 MC: 0.8101
 Ending γ : 95.90 pcf
 Effective Stress: 94.20 psf
 0.094 ksf

45 - 60 days (15 - 30 days PSDDF)
 Total Foundation Settlement: 0.0324 ft
Ending Mudline El: -1.412 ft
 PSDDF Settlement: 1.867 ft
Ending Fill El: 1.123 ft
 Ending Fill Thickness: 2.5345 ft
 Vv30: 0.3949
 e30: 2.1820
 MC: 0.8022
 Ending γ : 96.13 pcf
 Effective Stress: 93.14 psf
 0.093 ksf

60 - 110 days (30 - 80 days PSDDF)
 Total Foundation Settlement: 0.0434 ft
Ending Mudline El: -1.412 ft
 PSDDF Settlement: 2.191 ft
Ending Fill El: 0.799 ft
 Ending Fill Thickness: 2.2105 ft
 Vv30: 0.3213
 e60: 1.7752
 MC: 0.6527
 Ending γ : 101.07 pcf
 Effective Stress: 85.49 psf
 0.085 ksf

110 - 140 days (80 - 110 days PSDDF)
 Total Foundation Settlement: 0.0453 ft
Ending Mudline El: -1.412 ft
 PSDDF Settlement: 2.2 ft
Ending Fill El: 0.790 ft
 Ending Fill Thickness: 2.2015 ft
 Vv30: 0.3192
 e150: 1.7639
 MC: 0.6485
 Ending γ : 101.23 pcf
 Effective Stress: 85.49 psf
 0.085 ksf

140 - 180 days (110 - 150 days PSDDF)
 Total Foundation Settlement: 0.0514 ft
Ending Mudline El: -1.412 ft
 PSDDF Settlement: 2.21 ft
Ending Fill El: 0.780 ft
 Ending Fill Thickness: 2.1915 ft
 Vv30: 0.3169
 e365: 1.7514
 MC: 0.6439
 Ending γ : 101.41 pcf
 Effective Stress: 85.49 psf
 0.085 ksf

180 - 365 days (150 - 365 days PSDDF)
 Total Foundation Settlement: 0.0723 ft
Ending Mudline El: -1.429 ft
 PSDDF Settlement: 2.258 ft
Ending Fill El: 0.714 ft
 Ending Fill Thickness: 2.1435 ft
 Vv30: 0.3060
 e365: 1.6911
 MC: 0.6217
 Ending γ : 102.28 pcf
 Effective Stress: 85.49 psf
 0.085 ksf

	365 - 545 days	545 - 730 days	730 - 1095 days	1095 - 1460 days	1460 - 1825 days	1825 -
>SDDF]						
ft	Total Foundation Settlement: 0.0866 ft	Total Foundation Settlement: 0.0977 ft	Total Foundation Settlement: 0.1143 ft	Total Foundation Settlement: 0.1266 ft	Total Foundation Settlement: 0.1367 ft	Total Foundation Settlement:
ft	Ending Mudline El: -1.444 ft	Ending Mudline El: -1.455 ft	Ending Mudline El: -1.471 ft	Ending Mudline El: -1.484 ft	Ending Mudline El: -1.494 ft	Ending Mudline El:
ft	PSDDF Settlement: 2.258 ft	PSDDF Settlement: 2.258 ft	PSDDF Settlement: 2.258 ft	PSDDF Settlement: 2.258 ft	PSDDF Settlement: 2.258 ft	PSDDF Settlement:
ft	Ending Fill El: 0.700 ft	Ending Fill El: 0.689 ft	Ending Fill El: 0.672 ft	Ending Fill El: 0.660 ft	Ending Fill El: 0.650 ft	Ending Fill El:
ft	Ending Fill Thickness: 2.1435 ft	Ending Fill Thickness: 2.1435 ft	Ending Fill Thickness: 2.1435 ft	Ending Fill Thickness: 2.1435 ft	Ending Fill Thickness: 2.1435 ft	Ending Fill Thickness:
	Vv30: 0.3060	Vv30:				
	e1095: 1.6911	e1825: 1.6911	e3650: 1.6911	e7300: 1.6911	e7300: 1.6911	e7300:
	MC: 0.6217	MC:				
pcf	Ending γ : 102.28 pcf	Ending γ : 102.28 pcf	Ending γ : 102.28 pcf	Ending γ : 102.28 pcf	Ending γ : 102.28 pcf	Ending γ :
psf	Effective Stress: 85.49 psf	Effective Stress: 85.49 psf	Effective Stress: 85.49 psf	Effective Stress: 85.49 psf	Effective Stress: 85.49 psf	Effective Stress:
ksf	0.085 ksf	0.085 ksf	0.085 ksf	0.085 ksf	0.085 ksf	

3650 days

0.1695 ft
-1.527 ft
2.258 ft
0.617 ft
2.1435 ft
0.3060
1.6911
0.6217
102.28 pcf
85.49 psf
0.085 ksf

3650 - 7300 days

Total Foundation Settlement: 0.2007 ft
Ending Mudline El: -1.558 ft
PSDDF Settlement: 2.258 ft
Ending Fill El: 0.586 ft
Ending Fill Thickness: 2.1435 ft
Vv30: 0.3060
e7300: 1.6911
MC: 0.6217
Ending γ : 102.28 pcf
Effective Stress: 85.49 psf
0.085 ksf

7300 - 18250 days

Total Foundation Settlement: 0.2343 ft
Ending Mudline El: -1.591 ft
PSDDF Settlement: 2.258 ft
Ending Fill El: 0.552 ft
Ending Fill Thickness: 2.1435 ft
Vv30: 0.3060
e7300: 1.6911
MC: 0.6217
Ending γ : 102.28 pcf
Effective Stress: 85.49 psf
0.085 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-13 (Lift 1-2 ft)

SG: 2.72 Initial Fill El 2 ft
 e0: 4.526 Initial Avg. Mudline El -1.357 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 127.601

Construction period is 0 - 30 days

Ending Fill El 2 ft
 Ending Mudline El -1.3867 ft
 Ending γ 81.822367 pcf
 Fill Thickness 3.3867 ft
 Ending Stress: 128.2 psf
 0.128 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)

Total Foundation Settlement: 0.0363 ft
Ending Mudline El: -1.393 ft
 PSDDF Settlement: 1.383 ft
Ending Fill El: 0.610 ft
 Ending Fill Thickness: 2.0037 ft
 Vv30: 0.4107
 e15: 2.2694
 MC: 0.8343
 Ending γ : 95.23 pcf
 Effective Stress: 65.78 psf
 0.066 ksf

45 - 60 days (15 - 30 days PSDDF)

Total Foundation Settlement: 0.02377 ft
Ending Mudline El: -1.393 ft
 PSDDF Settlement: 1.391 ft
Ending Fill El: 0.602 ft
 Ending Fill Thickness: 1.9957 ft
 Vv30: 0.4083
 e30: 2.2563
 MC: 0.8295
 Ending γ : 95.36 pcf
 Effective Stress: 65.78 psf
 0.066 ksf

60 - 110 days (30 - 80 days PSDDF)

Total Foundation Settlement: 0.03219 ft
Ending Mudline El: -1.393 ft
 PSDDF Settlement: 1.413 ft
Ending Fill El: 0.580 ft
 Ending Fill Thickness: 1.9737 ft
 Vv30: 0.4018
 e60: 2.2204
 MC: 0.8163
 Ending γ : 95.73 pcf
 Effective Stress: 65.78 psf
 0.066 ksf

110 - 140 days (80 - 110 days PSDDF)

Total Foundation Settlement: 0.0363 ft
Ending Mudline El: -1.393 ft
PSDDF Settlement: 1.413 ft
Ending Fill El: 0.580 ft
Ending Fill Thickness: 1.9737 ft
Vv30: 0.4018
e150: 2.2204
MC: 0.8163
Ending γ : 95.73 pcf
Effective Stress: 65.78 psf
0.066 ksf

140 - 180 days (110 - 150 days PSDDF)

Total Foundation Settlement: 0.0411 ft
Ending Mudline El: -1.398 ft
PSDDF Settlement: 1.413 ft
Ending Fill El: 0.576 ft
Ending Fill Thickness: 1.9737 ft
Vv30: 0.4018
e365: 2.2204
MC: 0.8163
Ending γ : 95.73 pcf
Effective Stress: 65.78 psf
0.066 ksf

180 - 365 days (150 - 365 days PSDDF)

Total Foundation Settlement: 0.0579 ft
Ending Mudline El: -1.415 ft
PSDDF Settlement: 1.413 ft
Ending Fill El: 0.559 ft
Ending Fill Thickness: 1.9737 ft
Vv30: 0.4018
e365: 2.2204
MC: 0.8163
Ending γ : 95.73 pcf
Effective Stress: 65.78 psf
0.066 ksf

365 - 545 days

Total Foundation Settlement: 0.0692 ft
Ending Mudline El: -1.426 ft
PSDDF Settlement: 1.413 ft
Ending Fill El: 0.548 ft
Ending Fill Thickness: 1.9737 ft
Vv30: 0.4018
e1095: 2.2204
MC: 0.8163
Ending γ : 95.73 pcf
Effective Stress: 65.78 psf
0.066 ksf

545 - 730 days

Total Foundation Settlement: 0.078 ft
Ending Mudline El: -1.435 ft
PSDDF Settlement: 1.413 ft
Ending Fill El: 0.539 ft
Ending Fill Thickness: 1.9737 ft
Vv30: 0.4018
e1825: 2.2204
MC: 0.8163
Ending γ : 95.73 pcf
Effective Stress: 65.78 psf
0.066 ksf

730 - 1095 days

Total Foundation Settlement: 0.09116 ft
Ending Mudline El: -1.448 ft
PSDDF Settlement: 1.413 ft
Ending Fill El: 0.526 ft
Ending Fill Thickness: 1.9737 ft
Vv30: 0.4018
e3650: 2.2204
MC: 0.8163
Ending γ : 95.73 pcf
Effective Stress: 65.78 psf
0.066 ksf

1095 - 1460 days

Total Foundation Settlement: 0.1008 ft
Ending Mudline El: -1.458 ft
PSDDF Settlement: 1.413 ft
Ending Fill El: 0.516 ft
Ending Fill Thickness: 1.9737 ft
Vv30: 0.4018
e7300: 2.2204
MC: 0.8163
Ending γ : 95.73 pcf
Effective Stress: 65.78 psf
0.066 ksf

1460 - 1825 days

Total Foundation Settlement: 0.1087 ft
Ending Mudline El: -1.466 ft
PSDDF Settlement: 1.413 ft
Ending Fill El: 0.508 ft
Ending Fill Thickness: 1.9737 ft
Vv30: 0.4018
e7300: 2.2204
MC: 0.8163
Ending γ : 95.73 pcf
Effective Stress: 65.78 psf
0.066 ksf

1825 - 3650 days

Total Foundation Settlement: 0.1344 ft
Ending Mudline El: -1.491 ft
PSDDF Settlement: 1.413 ft
Ending Fill El: 0.482 ft
Ending Fill Thickness: 1.9737 ft
Vv30: 0.4018
e7300: 2.2204
MC: 0.8163
Ending γ : 95.73 pcf
Effective Stress: 65.78 psf
0.066 ksf

3650 - 7300 days

Total Foundation Settlement: 0.1588 ft
Ending Mudline El: -1.516 ft
PSDDF Settlement: 1.413 ft
Ending Fill El: 0.458 ft
Ending Fill Thickness: 1.9737 ft
Vv30: 0.4018
e7300: 2.2204
MC: 0.8163
Ending γ : 95.73 pcf
Effective Stress: 65.78 psf
0.066 ksf

7300 - 18250 days

Total Foundation Settlement: 0.185 ft
Ending Mudline El: -1.542 ft
PSDDF Settlement: 1.413 ft
Ending Fill El: 0.432 ft
Ending Fill Thickness: 1.9737 ft
Vv30: 0.4018
e7300: 2.2204
MC: 0.8163
Ending γ : 95.73 pcf
Effective Stress: 65.78 psf
0.066 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-3 ft)

SG: 2.72 Initial Fill El 3 ft
 e0: 4.526 Initial Avg. Mudline El -0.385 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 190.545

Construction period is 0 - 30 days
 Ending Fill El 3 ft
 Ending Mudline El -0.4579 ft
 Ending γ 81.822367 pcf
 Fill Thickness 3.4579 ft
 Ending Stress: 192.0 psf
 0.192 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)
 Total Foundation Settlement: 0.0896 ft
Ending Mudline El: -0.475 ft
 PSDDF Settlement: 1.414 ft
Ending Fill El: 1.569 ft
 Ending Fill Thickness: 2.0439 ft
 Vv30: 0.4101
 e15: 2.2663
 MC: 0.8332
 Ending γ : 95.26 pcf
 Effective Stress: 102.68 psf
 0.103 ksf

45 - 60 days (15 - 30 days PSDDF)
 Total Foundation Settlement: 0.0632 ft
Ending Mudline El: -0.475 ft
 PSDDF Settlement: 1.423 ft
Ending Fill El: 1.560 ft
 Ending Fill Thickness: 2.0349 ft
 Vv30: 0.4075
 e30: 2.2519
 MC: 0.8279
 Ending γ : 95.40 pcf
 Effective Stress: 102.12 psf
 0.102 ksf

60 - 110 days (30 - 80 days PSDDF)
 Total Foundation Settlement: 0.0834 ft
Ending Mudline El: -0.475 ft
 PSDDF Settlement: 1.749 ft
Ending Fill El: 1.234 ft
 Ending Fill Thickness: 1.7089 ft
 Vv30: 0.3132
 e60: 1.7310
 MC: 0.6364
 Ending γ : 101.70 pcf
 Effective Stress: 81.78 psf
 0.082 ksf

110 - 140 days (80 - 110 days PSDDF)
 Total Foundation Settlement: 0.0774 ft
Ending Mudline El: -0.475 ft
 PSDDF Settlement: 1.937 ft
Ending Fill El: 1.046 ft
 Ending Fill Thickness: 1.5209 ft
 Vv30: 0.2589
 e150: 1.4305
 MC: 0.5259
 Ending γ : 106.56 pcf
 Effective Stress: 70.05 psf
 0.070 ksf

140 - 180 days (110 - 150 days PSDDF)
 Total Foundation Settlement: 0.0749 ft
Ending Mudline El: -0.475 ft
 PSDDF Settlement: 2.03 ft
Ending Fill El: 0.953 ft
 Ending Fill Thickness: 1.4279 ft
 Vv30: 0.2320
 e365: 1.2819
 MC: 0.4713
 Ending γ : 109.43 pcf
 Effective Stress: 67.16 psf
 0.067 ksf

180 - 365 days (150 - 365 days PSDDF)
 Total Foundation Settlement: 0.09355 ft
Ending Mudline El: -0.479 ft
 PSDDF Settlement: 2.038 ft
Ending Fill El: 0.941 ft
 Ending Fill Thickness: 1.4199 ft
 Vv30: 0.2297
 e365: 1.2691
 MC: 0.4666
 Ending γ : 109.70 pcf
 Effective Stress: 67.16 psf
 0.067 ksf

	365 - 545 days	545 - 730 days	730 - 1095 days	1095 - 1460 days	1460 - 1825 days	1825 -
>SDDF]						
ft	Total Foundation Settlement: 0.1073 ft	Total Foundation Settlement: 0.1184 ft	Total Foundation Settlement: 0.1355 ft	Total Foundation Settlement: 0.1485 ft	Total Foundation Settlement: 0.159 ft	Total Foundation Settlement:
ft	Ending Mudline El: -0.492 ft	Ending Mudline El: -0.503 ft	Ending Mudline El: -0.521 ft	Ending Mudline El: -0.534 ft	Ending Mudline El: -0.544 ft	Ending Mudline El:
ft	PSDDF Settlement: 2.038 ft	PSDDF Settlement: 2.038 ft	PSDDF Settlement: 2.038 ft	PSDDF Settlement: 2.038 ft	PSDDF Settlement: 2.038 ft	PSDDF Settlement:
ft	Ending Fill El: 0.928 ft	Ending Fill El: 0.917 ft	Ending Fill El: 0.899 ft	Ending Fill El: 0.886 ft	Ending Fill El: 0.876 ft	Ending Fill El:
ft	Ending Fill Thickness: 1.4199 ft	Ending Fill Thickness: 1.4199 ft	Ending Fill Thickness: 1.4199 ft	Ending Fill Thickness: 1.4199 ft	Ending Fill Thickness: 1.4199 ft	Ending Fill Thickness:
	Vv30: 0.2297	Vv30: 0.2297	Vv30: 0.2297	Vv30: 0.2297	Vv30: 0.2297	Vv30:
	e1095: 1.2691	e1825: 1.2691	e3650: 1.2691	e7300: 1.2691	e7300: 1.2691	e7300:
	MC: 0.4666	MC: 0.4666	MC: 0.4666	MC: 0.4666	MC: 0.4666	MC:
pcf	Ending γ : 109.70 pcf	Ending γ : 109.70 pcf	Ending γ : 109.70 pcf	Ending γ : 109.70 pcf	Ending γ : 109.70 pcf	Ending γ :
psf	Effective Stress: 67.16 psf	Effective Stress: 67.16 psf	Effective Stress: 67.16 psf	Effective Stress: 67.16 psf	Effective Stress: 67.16 psf	Effective Stress:
ksf	0.067 ksf	0.067 ksf	0.067 ksf	0.067 ksf	0.067 ksf	

3650 days

0.1926 ft
-0.578 ft
2.038 ft
0.842 ft
1.4199 ft
0.2297
1.2691
0.4666
109.70 pcf
67.16 psf
0.067 ksf

3650 - 7300 days

Total Foundation Settlement: 0.2205 ft
Ending Mudline El: -0.606 ft
PSDDF Settlement: 2.038 ft
Ending Fill El: 0.814 ft
Ending Fill Thickness: 1.4199 ft
Vv30: 0.2297
e7300: 1.2691
MC: 0.4666
Ending γ : 109.70 pcf
Effective Stress: 67.16 psf
0.067 ksf

7300 - 18250 days

Total Foundation Settlement: 0.253 ft
Ending Mudline El: -0.638 ft
PSDDF Settlement: 2.038 ft
Ending Fill El: 0.782 ft
Ending Fill Thickness: 1.4199 ft
Vv30: 0.2297
e7300: 1.2691
MC: 0.4666
Ending γ : 109.70 pcf
Effective Stress: 67.16 psf
0.067 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-14 (Lift 1-2 ft)

SG: 2.72 Initial Fill El 2 ft
 e0: 4.526 Initial Avg. Mudline El -0.385 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 108.722

Construction period is 0 - 30 days
 Ending Fill El 2 ft
 Ending Mudline El -0.4319 ft
 Ending γ 81.822367 pcf
 Fill Thickness 2.4319 ft
 Ending Stress: 109.6 psf
 0.110 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)
 Total Foundation Settlement: 0.0579 ft
Ending Mudline El: -0.443 ft
 PSDDF Settlement: 0.938 ft
Ending Fill El: 1.051 ft
 Ending Fill Thickness: 1.4939 ft
 Vv30: 0.4333
 e15: 2.3946
 MC: 0.8804
 Ending γ : 94.02 pcf
 Effective Stress: 50.42 psf
 0.050 ksf

45 - 60 days (15 - 30 days PSDDF)
 Total Foundation Settlement: 0.0345 ft
Ending Mudline El: -0.443 ft
 PSDDF Settlement: 0.94 ft
Ending Fill El: 1.049 ft
 Ending Fill Thickness: 1.4919 ft
 Vv30: 0.4325
 e30: 2.3900
 MC: 0.8787
 Ending γ : 94.06 pcf
 Effective Stress: 50.29 psf
 0.050 ksf

60 - 110 days (30 - 80 days PSDDF)
 Total Foundation Settlement: 0.0457 ft
Ending Mudline El: -0.443 ft
 PSDDF Settlement: 1.235 ft
Ending Fill El: 0.754 ft
 Ending Fill Thickness: 1.1969 ft
 Vv30: 0.3112
 e60: 1.7197
 MC: 0.6322
 Ending γ : 101.86 pcf
 Effective Stress: 47.23 psf
 0.047 ksf

110 -
 Total Foundation S
Ending M
 PSDDF S
En
 Ending Fill
 Effec

140 days (80 - 110 days PSDDF)

Settlement: 0.0481 ft
Ending Mudline El: -0.443 ft
Settlement: 1.235 ft
Ending Fill El: 0.754 ft
Thickness: 1.1969 ft
Vv30: 0.3112
e150: 1.7197
MC: 0.6322
Ending γ : 101.86 pcf
Effective Stress: 47.23 psf
0.047 ksf

140 - 180 days (110 - 150 days PSDDF)

Total Foundation Settlement: 0.0532 ft
Ending Mudline El: -0.443 ft
PSDDF Settlement: 1.235 ft
Ending Fill El: 0.754 ft
Ending Fill Thickness: 1.1969 ft
Vv30: 0.3112
e365: 1.7197
MC: 0.6322
Ending γ : 101.86 pcf
Effective Stress: 47.23 psf
0.047 ksf

180 - 365 days (150 - 365 days PSDDF)

Total Foundation Settlement: 0.0685 ft
Ending Mudline El: -0.454 ft
PSDDF Settlement: 1.235 ft
Ending Fill El: 0.743 ft
Ending Fill Thickness: 1.1969 ft
Vv30: 0.3112
e365: 1.7197
MC: 0.6322
Ending γ : 101.86 pcf
Effective Stress: 47.23 psf
0.047 ksf

365 - 545 days

Total Foundation Settlement: 0.0783 ft
Ending Mudline El: -0.463 ft
PSDDF Settlement: 1.235 ft
Ending Fill El: 0.734 ft
Ending Fill Thickness: 1.1969 ft
Vv30: 0.3112
e1095: 1.7197
MC: 0.6322
Ending γ : 101.86 pcf
Effective Stress: 47.23 psf
0.047 ksf

545 - 730 days
Total Foundation Settlement: 0.0862 ft
Ending Mudline El: -0.471 ft
PSDDF Settlement: 1.235 ft
Ending Fill El: 0.726 ft
Ending Fill Thickness: 1.1969 ft
Vv30: 0.3112
e1825: 1.7197
MC: 0.6322
Ending γ : 101.86 pcf
Effective Stress: 47.23 psf
0.047 ksf

730 - 1095 days
Total Foundation Settlement: 0.0983 ft
Ending Mudline El: -0.483 ft
PSDDF Settlement: 1.235 ft
Ending Fill El: 0.714 ft
Ending Fill Thickness: 1.1969 ft
Vv30: 0.3112
e3650: 1.7197
MC: 0.6322
Ending γ : 101.86 pcf
Effective Stress: 47.23 psf
0.047 ksf

1095 - 1460 days
Total Foundation Settlement: 0.107 ft
Ending Mudline El: -0.492 ft
PSDDF Settlement: 1.235 ft
Ending Fill El: 0.705 ft
Ending Fill Thickness: 1.1969 ft
Vv30: 0.3112
e7300: 1.7197
MC: 0.6322
Ending γ : 101.86 pcf
Effective Stress: 47.23 psf
0.047 ksf

1460 - 1
Total Foundation Settlement:
Ending Mudline El:
PSDDF Settlement:
Ending Fill El:
Ending Fill Thickness:
Vv30:
e7300:
MC:
Ending γ :
Effective Stress:

1825 days

0.115 ft
-0.500 ft
1.235 ft
0.697 ft
1.1969 ft
0.3112
1.7197
0.6322
101.86 pcf
47.23 psf
0.047 ksf

1825 - 3650 days

Total Foundation Settlement: 0.1387 ft
Ending Mudline El: -0.524 ft
PSDDF Settlement: 1.235 ft
Ending Fill El: 0.673 ft
Ending Fill Thickness: 1.1969 ft
Vv30: 0.3112
e7300: 1.7197
MC: 0.6322
Ending γ : 101.86 pcf
Effective Stress: 47.23 psf
0.047 ksf

3650 - 7300 days

Total Foundation Settlement: 0.1584 ft
Ending Mudline El: -0.543 ft
PSDDF Settlement: 1.235 ft
Ending Fill El: 0.654 ft
Ending Fill Thickness: 1.1969 ft
Vv30: 0.3112
e7300: 1.7197
MC: 0.6322
Ending γ : 101.86 pcf
Effective Stress: 47.23 psf
0.047 ksf

7300 - 18250 days

Total Foundation Settlement: 0.181 ft
Ending Mudline El: -0.566 ft
PSDDF Settlement: 1.235 ft
Ending Fill El: 0.631 ft
Ending Fill Thickness: 1.1969 ft
Vv30: 0.3112
e7300: 1.7197
MC: 0.6322
Ending γ : 101.86 pcf
Effective Stress: 47.23 psf
0.047 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-15 (Lift 1-3 ft)

SG: 2.72 Initial Fill El 3 ft
 e0: 4.526 Initial Avg. Mudline El -1.28 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 207.928

Construction period is 0 - 30 days
 Ending Fill El 3 ft
 Ending Mudline El -1.3496 ft
 Ending γ 81.822367 pcf
 Fill Thickness 4.3496 ft
 Ending Stress: 209.3 psf
 0.209 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)
 Total Foundation Settlement: 0.0855 ft
Ending Mudline El: -1.366 ft
 PSDDF Settlement: 1.827 ft
Ending Fill El: 1.157 ft
 Ending Fill Thickness: 2.5226 ft
 Vv30: 0.3990
 e15: 2.2049
 MC: 0.8106
 Ending γ : 95.89 pcf
 Effective Stress: 94.28 psf
 0.094 ksf

45 - 60 days (15 - 30 days PSDDF)
 Total Foundation Settlement: 0.0508 ft
Ending Mudline El: -1.366 ft
 PSDDF Settlement: 1.843 ft
Ending Fill El: 1.141 ft
 Ending Fill Thickness: 2.5066 ft
 Vv30: 0.3953
 e30: 2.1845
 MC: 0.8031
 Ending γ : 96.10 pcf
 Effective Stress: 93.28 psf
 0.093 ksf

60 - 110 days (30 - 80 days PSDDF)
 Total Foundation Settlement: 0.068 ft
Ending Mudline El: -1.366 ft
 PSDDF Settlement: 2.166 ft
Ending Fill El: 0.818 ft
 Ending Fill Thickness: 2.1836 ft
 Vv30: 0.3211
 e60: 1.7742
 MC: 0.6523
 Ending γ : 101.09 pcf
 Effective Stress: 84.48 psf
 0.084 ksf

110 - 140 days (80 - 110 days PSDDF)
 Total Foundation Settlement: 0.0703 ft
Ending Mudline El: -1.366 ft
 PSDDF Settlement: 2.174 ft
Ending Fill El: 0.810 ft
 Ending Fill Thickness: 2.1756 ft
 Vv30: 0.3192
 e150: 1.7640
 MC: 0.6485
 Ending γ : 101.23 pcf
 Effective Stress: 84.48 psf
 0.084 ksf

140 - 180 days (110 - 150 days PSDDF)
 Total Foundation Settlement: 0.0794 ft
Ending Mudline El: -1.366 ft
 PSDDF Settlement: 2.184 ft
Ending Fill El: 0.800 ft
 Ending Fill Thickness: 2.1656 ft
 Vv30: 0.3169
 e365: 1.7513
 MC: 0.6439
 Ending γ : 101.41 pcf
 Effective Stress: 84.48 psf
 0.084 ksf

180 - 365 days (150 - 365 days PSDDF)
 Total Foundation Settlement: 0.1094 ft
Ending Mudline El: -1.389 ft
 PSDDF Settlement: 2.229 ft
Ending Fill El: 0.731 ft
 Ending Fill Thickness: 2.1206 ft
 Vv30: 0.3066
 e365: 1.6941
 MC: 0.6228
 Ending γ : 102.24 pcf
 Effective Stress: 84.48 psf
 0.084 ksf

3650 days

0.2435 ft
-1.524 ft
2.229 ft
0.597 ft
2.1206 ft
0.3066
1.6941
0.6228
102.24 pcf
84.48 psf
0.084 ksf

3650 - 7300 days

Total Foundation Settlement: 0.2884 ft
Ending Mudline El: -1.568 ft
PSDDF Settlement: 2.229 ft
Ending Fill El: 0.552 ft
Ending Fill Thickness: 2.1206 ft
Vv30: 0.3066
e7300: 1.6941
MC: 0.6228
Ending γ : 102.24 pcf
Effective Stress: 84.48 psf
0.084 ksf

7300 - 18250 days

Total Foundation Settlement: 0.3377 ft
Ending Mudline El: -1.618 ft
PSDDF Settlement: 2.229 ft
Ending Fill El: 0.503 ft
Ending Fill Thickness: 2.1206 ft
Vv30: 0.3066
e7300: 1.6941
MC: 0.6228
Ending γ : 102.24 pcf
Effective Stress: 84.48 psf
0.084 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)

Project No.: 16715-020-00

Boring: B-15 (Lift 1-2 ft)

SG: 2.72 Initial Fill El 2 ft
 e0: 4.526 Initial Avg. Mudline El -1.28 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 126.105

Construction period is 0 - 30 days

Ending Fill El 2 ft
 Ending Mudline El -1.3261 ft
 Ending γ 81.822367 pcf
 Fill Thickness 3.3261 ft
 Ending Stress: 127.0 psf
 0.127 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)

Total Foundation Settlement: 0.0569 ft
Ending Mudline El: -1.337 ft
 PSDDF Settlement: 1.345 ft
Ending Fill El: 0.644 ft
 Ending Fill Thickness: 1.9811 ft
 Vv30: 0.4147
 e15: 2.2914
 MC: 0.8424
 Ending γ : 95.01 pcf
 Effective Stress: 64.60 psf
 0.065 ksf

45 - 60 days (15 - 30 days PSDDF)

Total Foundation Settlement: 0.0368 ft
Ending Mudline El: -1.337 ft
 PSDDF Settlement: 1.381 ft
Ending Fill El: 0.608 ft
 Ending Fill Thickness: 1.9451 ft
 Vv30: 0.4038
 e30: 2.2316
 MC: 0.8204
 Ending γ : 95.61 pcf
 Effective Stress: 64.60 psf
 0.065 ksf

60 - 110 days (30 - 80 days PSDDF)

Total Foundation Settlement: 0.0498 ft
Ending Mudline El: -1.337 ft
 PSDDF Settlement: 1.383 ft
Ending Fill El: 0.606 ft
 Ending Fill Thickness: 1.9431 ft
 Vv30: 0.4032
 e60: 2.2283
 MC: 0.8192
 Ending γ : 95.65 pcf
 Effective Stress: 64.60 psf
 0.065 ksf

110 -

Total Foundation S
Ending M
 PSDDF S
En
 Ending Fill
 Effec

140 days (80 - 110 days PSDDF)

Settlement: 0.0561 ft
Ending Mudline El: -1.337 ft
PSDDF Settlement: 1.383 ft
Ending Fill El: 0.606 ft
Ending Fill Thickness: 1.9431 ft
Vv30: 0.4032
e150: 2.2283
MC: 0.8192
Ending γ : 95.65 pcf
Effective Stress: 64.60 psf
0.065 ksf

140 - 180 days (110 - 150 days PSDDF)

Total Foundation Settlement: 0.0633 ft
Ending Mudline El: -1.343 ft
PSDDF Settlement: 1.383 ft
Ending Fill El: 0.600 ft
Ending Fill Thickness: 1.9431 ft
Vv30: 0.4032
e365: 2.2283
MC: 0.8192
Ending γ : 95.65 pcf
Effective Stress: 64.60 psf
0.065 ksf

180 - 365 days (150 - 365 days PSDDF)

Total Foundation Settlement: 0.0872 ft
Ending Mudline El: -1.367 ft
PSDDF Settlement: 1.383 ft
Ending Fill El: 0.576 ft
Ending Fill Thickness: 1.9431 ft
Vv30: 0.4032
e365: 2.2283
MC: 0.8192
Ending γ : 95.65 pcf
Effective Stress: 64.60 psf
0.065 ksf

365 - 545 days

Total Foundation Settlement: 0.1025 ft
Ending Mudline El: -1.383 ft
PSDDF Settlement: 1.383 ft
Ending Fill El: 0.561 ft
Ending Fill Thickness: 1.9431 ft
Vv30: 0.4032
e1095: 2.2283
MC: 0.8192
Ending γ : 95.65 pcf
Effective Stress: 64.60 psf
0.065 ksf

545 - 730 days
Total Foundation Settlement: 0.1145 ft
Ending Mudline El: -1.395 ft
PSDDF Settlement: 1.383 ft
Ending Fill El: 0.549 ft
Ending Fill Thickness: 1.9431 ft
Vv30: 0.4032
e1825: 2.2283
MC: 0.8192
Ending γ : 95.65 pcf
Effective Stress: 64.60 psf
0.065 ksf

730 - 1095 days
Total Foundation Settlement: 0.1323 ft
Ending Mudline El: -1.412 ft
PSDDF Settlement: 1.383 ft
Ending Fill El: 0.531 ft
Ending Fill Thickness: 1.9431 ft
Vv30: 0.4032
e3650: 2.2283
MC: 0.8192
Ending γ : 95.65 pcf
Effective Stress: 64.60 psf
0.065 ksf

1095 - 1460 days
Total Foundation Settlement: 0.146 ft
Ending Mudline El: -1.426 ft
PSDDF Settlement: 1.383 ft
Ending Fill El: 0.517 ft
Ending Fill Thickness: 1.9431 ft
Vv30: 0.4032
e7300: 2.2283
MC: 0.8192
Ending γ : 95.65 pcf
Effective Stress: 64.60 psf
0.065 ksf

1460 - 1
Total Foundation Settlement:
Ending Mudline El:
PSDDF Settlement:
Ending Fill El:
Ending Fill Thickness:
Vv30:
e7300:
MC:
Ending γ :
Effective Stress:

1825 days

0.1566 ft
-1.437 ft
1.383 ft
0.507 ft
1.9431 ft
0.4032
2.2283
0.8192
95.65 pcf
64.60 psf
0.065 ksf

1825 - 3650 days

Total Foundation Settlement: 0.1924 ft
Ending Mudline El: -1.472 ft
PSDDF Settlement: 1.383 ft
Ending Fill El: 0.471 ft
Ending Fill Thickness: 1.9431 ft
Vv30: 0.4032
e7300: 2.2283
MC: 0.8192
Ending γ : 95.65 pcf
Effective Stress: 64.60 psf
0.065 ksf

3650 - 7300 days

Total Foundation Settlement: 0.2274 ft
Ending Mudline El: -1.507 ft
PSDDF Settlement: 1.383 ft
Ending Fill El: 0.436 ft
Ending Fill Thickness: 1.9431 ft
Vv30: 0.4032
e7300: 2.2283
MC: 0.8192
Ending γ : 95.65 pcf
Effective Stress: 64.60 psf
0.065 ksf

7300 - 18250 days

Total Foundation Settlement: 0.2658 ft
Ending Mudline El: -1.546 ft
PSDDF Settlement: 1.383 ft
Ending Fill El: 0.397 ft
Ending Fill Thickness: 1.9431 ft
Vv30: 0.4032
e7300: 2.2283
MC: 0.8192
Ending γ : 95.65 pcf
Effective Stress: 64.60 psf
0.065 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-16 (Lift 1-3 ft)

SG: 2.72 Initial Fill El 3 ft
 e0: 4.526 Initial Avg. Mudline El -1.4629 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 211.48

Construction period is 0 - 30 days
 Ending Fill El 3 ft
 Ending Mudline El -1.5861 ft
 Ending γ 81.822367 pcf
 Fill Thickness 4.5861 ft
 Ending Stress: 213.9 psf
 0.214 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)
 Total Foundation Settlement: 0.1518 ft
Ending Mudline El: -1.615 ft
 PSDDF Settlement: 1.935 ft
Ending Fill El: 1.036 ft
 Ending Fill Thickness: 2.6511 ft
 Vv30: 0.3971
 e15: 2.1944
 MC: 0.8068
 Ending γ : 96.00 pcf
 Effective Stress: 91.34 psf
 0.091 ksf

45 - 60 days (15 - 30 days PSDDF)
 Total Foundation Settlement: 0.0916 ft
Ending Mudline El: -1.615 ft
 PSDDF Settlement: 1.954 ft
Ending Fill El: 1.017 ft
 Ending Fill Thickness: 2.6321 ft
 Vv30: 0.3930
 e30: 2.1715
 MC: 0.7984
 Ending γ : 96.24 pcf
 Effective Stress: 90.16 psf
 0.090 ksf

60 - 110 days (30 - 80 days PSDDF)
 Total Foundation Settlement: 0.1211 ft
Ending Mudline El: -1.615 ft
 PSDDF Settlement: 2.287 ft
Ending Fill El: 0.684 ft
 Ending Fill Thickness: 2.2991 ft
 Vv30: 0.3204
 e60: 1.7703
 MC: 0.6508
 Ending γ : 101.14 pcf
 Effective Stress: 89.07 psf
 0.089 ksf

110 - 140 days (80 - 110 days PSDDF)
 Total Foundation Settlement: 0.1339 ft
Ending Mudline El: -1.615 ft
 PSDDF Settlement: 2.297 ft
Ending Fill El: 0.674 ft
 Ending Fill Thickness: 2.2891 ft
 Vv30: 0.3182
 e150: 1.7582
 MC: 0.6464
 Ending γ : 101.31 pcf
 Effective Stress: 89.07 psf
 0.089 ksf

140 - 180 days (110 - 150 days PSDDF)
 Total Foundation Settlement: 0.1497 ft
Ending Mudline El: -1.615 ft
 PSDDF Settlement: 2.307 ft
Ending Fill El: 0.664 ft
 Ending Fill Thickness: 2.2791 ft
 Vv30: 0.3160
 e365: 1.7462
 MC: 0.6420
 Ending γ : 101.48 pcf
 Effective Stress: 89.07 psf
 0.089 ksf

180 - 365 days (150 - 365 days PSDDF)
 Total Foundation Settlement: 0.1987 ft
Ending Mudline El: -1.662 ft
 PSDDF Settlement: 2.344 ft
Ending Fill El: 0.581 ft
 Ending Fill Thickness: 2.2421 ft
 Vv30: 0.3079
 e365: 1.7016
 MC: 0.6256
 Ending γ : 102.13 pcf
 Effective Stress: 89.07 psf
 0.089 ksf

	365 - 545 days	545 - 730 days	730 - 1095 days	1095 - 1460 days	1460 - 1825 days	1825 -
>SDDF]						
ft	Total Foundation Settlement: 0.2261 ft	Total Foundation Settlement: 0.2451 ft	Total Foundation Settlement: 0.2698 ft	Total Foundation Settlement: 0.2861 ft	Total Foundation Settlement: 0.2981 ft	Total Foundation Settlement:
ft	Ending Mudline El: -1.689 ft	Ending Mudline El: -1.708 ft	Ending Mudline El: -1.733 ft	Ending Mudline El: -1.749 ft	Ending Mudline El: -1.761 ft	Ending Mudline El:
ft	PSDDF Settlement: 2.365 ft	PSDDF Settlement: 2.365 ft	PSDDF Settlement: 2.365 ft	PSDDF Settlement: 2.365 ft	PSDDF Settlement: 2.365 ft	PSDDF Settlement:
ft	Ending Fill El: 0.532 ft	Ending Fill El: 0.513 ft	Ending Fill El: 0.488 ft	Ending Fill El: 0.472 ft	Ending Fill El: 0.460 ft	Ending Fill El:
ft	Ending Fill Thickness: 2.2211 ft	Ending Fill Thickness: 2.2211 ft	Ending Fill Thickness: 2.2211 ft	Ending Fill Thickness: 2.2211 ft	Ending Fill Thickness: 2.2211 ft	Ending Fill Thickness:
	Vv30: 0.3033	Vv30:				
	e1095: 1.6763	e1825: 1.6763	e3650: 1.6763	e7300: 1.6763	e7300: 1.6763	e7300:
	MC: 0.6163	MC:				
pcf	Ending γ : 102.50 pcf	Ending γ : 102.50 pcf	Ending γ : 102.50 pcf	Ending γ : 102.50 pcf	Ending γ : 102.50 pcf	Ending γ :
psf	Effective Stress: 89.07 psf	Effective Stress: 89.07 psf	Effective Stress: 89.07 psf	Effective Stress: 89.07 psf	Effective Stress: 89.07 psf	Effective Stress:
ksf	0.089 ksf	0.089 ksf	0.089 ksf	0.089 ksf	0.089 ksf	

3650 days

0.3325 ft
-1.795 ft
2.365 ft
0.426 ft
2.2211 ft
0.3033
1.6763
0.6163
102.50 pcf
89.07 psf
0.089 ksf

3650 - 7300 days

Total Foundation Settlement: 0.364 ft
Ending Mudline El: -1.827 ft
PSDDF Settlement: 2.365 ft
Ending Fill El: 0.394 ft
Ending Fill Thickness: 2.2211 ft
Vv30: 0.3033
e7300: 1.6763
MC: 0.6163
Ending γ : 102.50 pcf
Effective Stress: 89.07 psf
0.089 ksf

7300 - 18250 days

Total Foundation Settlement: 0.4129 ft
Ending Mudline El: -1.876 ft
PSDDF Settlement: 2.365 ft
Ending Fill El: 0.345 ft
Ending Fill Thickness: 2.2211 ft
Vv30: 0.3033
e7300: 1.6763
MC: 0.6163
Ending γ : 102.50 pcf
Effective Stress: 89.07 psf
0.089 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)

Project No.: 16715-020-00

Boring: B-16 (Lift 1-2 ft)

SG: 2.72 Initial Fill El 2 ft
e0: 4.526 Initial Avg. Mudline El -1.4629 ft
Vvi: 0.819037 Initial γ 81.8224 pcf
Vs: 0.180963 Water El 1
Initial stress 129.658

Construction period is 0 - 30 days

Ending Fill El 2 ft
Ending Mudline El -1.5489 ft
Ending γ 81.822367 pcf
Fill Thickness 3.5489 ft
Ending Stress: 131.3 psf
0.131 ksf
MC: 1.664

30 - 45 days (0 - 15 days PSDDF)

Total Foundation Settlement: 0.1057 ft
Ending Mudline El: -1.569 ft
PSDDF Settlement: 1.455 ft
Ending Fill El: 0.525 ft
Ending Fill Thickness: 2.0939 ft
Vv30: 0.4091
e15: 2.2604
MC: 0.8310
Ending γ : 95.32 pcf
Effective Stress: 68.93 psf
0.069 ksf

45 - 60 days (15 - 30 days PSDDF)

Total Foundation Settlement: 0.0734 ft
Ending Mudline El: -1.569 ft
PSDDF Settlement: 1.464 ft
Ending Fill El: 0.516 ft
Ending Fill Thickness: 2.0849 ft
Vv30: 0.4065
e30: 2.2464
MC: 0.8259
Ending γ : 95.46 pcf
Effective Stress: 68.93 psf
0.069 ksf

60 - 110 days (30 - 80 days PSDDF)

Total Foundation Settlement: 0.0979 ft
Ending Mudline El: -1.569 ft
PSDDF Settlement: 1.493 ft
Ending Fill El: 0.487 ft
Ending Fill Thickness: 2.0559 ft
Vv30: 0.3983
e60: 2.2012
MC: 0.8093
Ending γ : 95.93 pcf
Effective Stress: 68.93 psf
0.069 ksf

110 -

Total Foundation S
Ending M
PSDDF S
En
Ending Fill
Effec

140 days (80 - 110 days PSDDF)

Settlement: 0.1092 ft
Ending Mudline El: -1.572 ft
Settlement: 1.493 ft
Ending Fill El: 0.484 ft
Thickness: 2.0559 ft
Vv30: 0.3983
e150: 2.2012
MC: 0.8093
Ending γ : 95.93 pcf
Effective Stress: 68.93 psf
0.069 ksf

140 - 180 days (110 - 150 days PSDDF)

Total Foundation Settlement: 0.1221 ft
Ending Mudline El: -1.585 ft
PSDDF Settlement: 1.493 ft
Ending Fill El: 0.471 ft
Ending Fill Thickness: 2.0559 ft
Vv30: 0.3983
e365: 2.2012
MC: 0.8093
Ending γ : 95.93 pcf
Effective Stress: 68.93 psf
0.069 ksf

180 - 365 days (150 - 365 days PSDDF)

Total Foundation Settlement: 0.1618 ft
Ending Mudline El: -1.625 ft
PSDDF Settlement: 1.493 ft
Ending Fill El: 0.431 ft
Ending Fill Thickness: 2.0559 ft
Vv30: 0.3983
e365: 2.2012
MC: 0.8093
Ending γ : 95.93 pcf
Effective Stress: 68.93 psf
0.069 ksf

365 - 545 days

Total Foundation Settlement: 0.1839 ft
Ending Mudline El: -1.647 ft
PSDDF Settlement: 1.493 ft
Ending Fill El: 0.409 ft
Ending Fill Thickness: 2.0559 ft
Vv30: 0.3983
e1095: 2.2012
MC: 0.8093
Ending γ : 95.93 pcf
Effective Stress: 68.93 psf
0.069 ksf

545 - 730 days
Total Foundation Settlement: 0.1989 ft
Ending Mudline El: -1.662 ft
PSDDF Settlement: 1.493 ft
Ending Fill El: 0.394 ft
Ending Fill Thickness: 2.0559 ft
Vv30: 0.3983
e1825: 2.2012
MC: 0.8093
Ending γ : 95.93 pcf
Effective Stress: 68.93 psf
0.069 ksf

730 - 1095 days
Total Foundation Settlement: 0.2185 ft
Ending Mudline El: -1.681 ft
PSDDF Settlement: 1.493 ft
Ending Fill El: 0.375 ft
Ending Fill Thickness: 2.0559 ft
Vv30: 0.3983
e3650: 2.2012
MC: 0.8093
Ending γ : 95.93 pcf
Effective Stress: 68.93 psf
0.069 ksf

1095 - 1460 days
Total Foundation Settlement: 0.2312 ft
Ending Mudline El: -1.694 ft
PSDDF Settlement: 1.493 ft
Ending Fill El: 0.362 ft
Ending Fill Thickness: 2.0559 ft
Vv30: 0.3983
e7300: 2.2012
MC: 0.8093
Ending γ : 95.93 pcf
Effective Stress: 68.93 psf
0.069 ksf

1460 - 1
Total Foundation Settlement:
Ending Mudline El:
PSDDF Settlement:
Ending Fill El:
Ending Fill Thickness:
Vv30:
e7300:
MC:
Ending γ :
Effective Stress:

1825 days

0.2407 ft
-1.704 ft
1.493 ft
0.352 ft
2.0559 ft
0.3983
2.2012
0.8093
95.93 pcf
68.93 psf
0.069 ksf

1825 - 3650 days

Total Foundation Settlement: 0.2676 ft
Ending Mudline El: -1.731 ft
PSDDF Settlement: 1.493 ft
Ending Fill El: 0.325 ft
Ending Fill Thickness: 2.0559 ft
Vv30: 0.3983
e7300: 2.2012
MC: 0.8093
Ending γ : 95.93 pcf
Effective Stress: 68.93 psf
0.069 ksf

3650 - 7300 days

Total Foundation Settlement: 0.2922 ft
Ending Mudline El: -1.755 ft
PSDDF Settlement: 1.493 ft
Ending Fill El: 0.301 ft
Ending Fill Thickness: 2.0559 ft
Vv30: 0.3983
e7300: 2.2012
MC: 0.8093
Ending γ : 95.93 pcf
Effective Stress: 68.93 psf
0.069 ksf

7300 - 18250 days

Total Foundation Settlement: 0.3303 ft
Ending Mudline El: -1.793 ft
PSDDF Settlement: 1.493 ft
Ending Fill El: 0.263 ft
Ending Fill Thickness: 2.0559 ft
Vv30: 0.3983
e7300: 2.2012
MC: 0.8093
Ending γ : 95.93 pcf
Effective Stress: 68.93 psf
0.069 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-3 ft)

SG: 2.72 Initial Fill El 3 ft
 e0: 4.526 Initial Avg. Mudline El -0.53 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 193.361

Construction period is 0 - 30 days
 Ending Fill El 3 ft
 Ending Mudline El -0.568 ft
 Ending γ 81.822367 pcf
 Fill Thickness 3.568 ft
 Ending Stress: 194.1 psf
 0.194 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)
 Total Foundation Settlement: 0.047 ft
Ending Mudline El: -0.577 ft
 PSDDF Settlement: 1.464 ft
Ending Fill El: 1.527 ft
 Ending Fill Thickness: 2.104 ft
 Vv30: 0.4087
 e15: 2.2586
 MC: 0.8304
 Ending γ : 95.34 pcf
 Effective Stress: 102.18 psf
 0.102 ksf

45 - 60 days (15 - 30 days PSDDF)
 Total Foundation Settlement: 0.0335 ft
Ending Mudline El: -0.577 ft
 PSDDF Settlement: 1.473 ft
Ending Fill El: 1.518 ft
 Ending Fill Thickness: 2.095 ft
 Vv30: 0.4062
 e30: 2.2447
 MC: 0.8252
 Ending γ : 95.48 pcf
 Effective Stress: 101.62 psf
 0.102 ksf

60 - 110 days (30 - 80 days PSDDF)
 Total Foundation Settlement: 0.04533 ft
Ending Mudline El: -0.577 ft
 PSDDF Settlement: 1.796 ft
Ending Fill El: 1.195 ft
 Ending Fill Thickness: 1.772 ft
 Vv30: 0.3157
 e60: 1.7444
 MC: 0.6413
 Ending γ : 101.51 pcf
 Effective Stress: 81.47 psf
 0.081 ksf

110 - 140 days (80 - 110 days PSDDF)
 Total Foundation Settlement: 0.043 ft
Ending Mudline El: -0.577 ft
 PSDDF Settlement: 1.982 ft
Ending Fill El: 1.009 ft
 Ending Fill Thickness: 1.586 ft
 Vv30: 0.2635
 e150: 1.4563
 MC: 0.5354
 Ending γ : 106.09 pcf
 Effective Stress: 69.86 psf
 0.070 ksf

140 - 180 days (110 - 150 days PSDDF)
 Total Foundation Settlement: 0.0431 ft
Ending Mudline El: -0.577 ft
 PSDDF Settlement: 2.042 ft
Ending Fill El: 0.949 ft
 Ending Fill Thickness: 1.526 ft
 Vv30: 0.2467
 e365: 1.3634
 MC: 0.5013
 Ending γ : 107.81 pcf
 Effective Stress: 69.30 psf
 0.069 ksf

180 - 365 days (150 - 365 days PSDDF)
 Total Foundation Settlement: 0.0596 ft
Ending Mudline El: -0.590 ft
 PSDDF Settlement: 2.056 ft
Ending Fill El: 0.922 ft
 Ending Fill Thickness: 1.512 ft
 Vv30: 0.2428
 e365: 1.3417
 MC: 0.4933
 Ending γ : 108.23 pcf
 Effective Stress: 69.30 psf
 0.069 ksf

	365 - 545 days	545 - 730 days	730 - 1095 days	1095 - 1460 days	1460 - 1825 days	1825 -
>SDDF]						
ft	Total Foundation Settlement: 0.0706 ft	Total Foundation Settlement: 0.0788 ft	Total Foundation Settlement: 0.0898 ft	Total Foundation Settlement: 0.0974 ft	Total Foundation Settlement: 0.1034 ft	Total Foundation Settlement:
ft	Ending Mudline El: -0.601 ft	Ending Mudline El: -0.609 ft	Ending Mudline El: -0.620 ft	Ending Mudline El: -0.627 ft	Ending Mudline El: -0.633 ft	Ending Mudline El:
ft	PSDDF Settlement: 2.056 ft	PSDDF Settlement: 2.056 ft	PSDDF Settlement: 2.056 ft	PSDDF Settlement: 2.056 ft	PSDDF Settlement: 2.056 ft	PSDDF Settlement:
ft	Ending Fill El: 0.911 ft	Ending Fill El: 0.903 ft	Ending Fill El: 0.892 ft	Ending Fill El: 0.885 ft	Ending Fill El: 0.879 ft	Ending Fill El:
ft	Ending Fill Thickness: 1.512 ft	Ending Fill Thickness:				
	Vv30: 0.2428	Vv30:				
	e1095: 1.3417	e1825: 1.3417	e3650: 1.3417	e7300: 1.3417	e7300: 1.3417	e7300:
	MC: 0.4933	MC:				
pcf	Ending γ : 108.23 pcf	Ending γ : 108.23 pcf	Ending γ : 108.23 pcf	Ending γ : 108.23 pcf	Ending γ : 108.23 pcf	Ending γ :
psf	Effective Stress: 69.30 psf	Effective Stress: 69.30 psf	Effective Stress: 69.30 psf	Effective Stress: 69.30 psf	Effective Stress: 69.30 psf	Effective Stress:
ksf	0.069 ksf	0.069 ksf	0.069 ksf	0.069 ksf	0.069 ksf	

3650 days

0.1245 ft
-0.655 ft
2.056 ft
0.858 ft
1.512 ft
0.2428
1.3417
0.4933
108.23 pcf
69.30 psf
0.069 ksf

3650 - 7300 days

Total Foundation Settlement: 0.1472 ft
Ending Mudline El: -0.677 ft
PSDDF Settlement: 2.056 ft
Ending Fill El: 0.835 ft
Ending Fill Thickness: 1.512 ft
Vv30: 0.2428
e7300: 1.3417
MC: 0.4933
Ending γ : 108.23 pcf
Effective Stress: 69.30 psf
0.069 ksf

7300 - 18250 days

Total Foundation Settlement: 0.17 ft
Ending Mudline El: -0.700 ft
PSDDF Settlement: 2.056 ft
Ending Fill El: 0.812 ft
Ending Fill Thickness: 1.512 ft
Vv30: 0.2428
e7300: 1.3417
MC: 0.4933
Ending γ : 108.23 pcf
Effective Stress: 69.30 psf
0.069 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-17 (Lift 1-2 ft)

SG: 2.72 Initial Fill El 2 ft
 e0: 4.526 Initial Avg. Mudline El -0.53 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 111.539

Construction period is 0 - 30 days

Ending Fill El 2 ft
 Ending Mudline El -0.5667 ft
 Ending γ 81.822367 pcf
 Fill Thickness 2.5667 ft
 Ending Stress: 112.3 psf
 0.112 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)

Total Foundation Settlement: 0.03114 ft
Ending Mudline El: -0.561 ft
 PSDDF Settlement: 0.999 ft
Ending Fill El: 1.007 ft
 Ending Fill Thickness: 1.5677 ft
 Vv30: 0.4298
 e15: 2.3752
 MC: 0.8732
 Ending γ : 94.20 pcf
 Effective Stress: 50.26 psf
 0.050 ksf

45 - 60 days (15 - 30 days PSDDF)

Total Foundation Settlement: 0.0189 ft
Ending Mudline El: -0.561 ft
 PSDDF Settlement: 1.001 ft
Ending Fill El: 1.005 ft
 Ending Fill Thickness: 1.5657 ft
 Vv30: 0.4290
 e30: 2.3709
 MC: 0.8716
 Ending γ : 94.24 pcf
 Effective Stress: 50.14 psf
 0.050 ksf

60 - 110 days (30 - 80 days PSDDF)

Total Foundation Settlement: 0.0256 ft
Ending Mudline El: -0.561 ft
 PSDDF Settlement: 1.004 ft
Ending Fill El: 1.002 ft
 Ending Fill Thickness: 1.5627 ft
 Vv30: 0.4279
 e60: 2.3644
 MC: 0.8693
 Ending γ : 94.30 pcf
 Effective Stress: 49.95 psf
 0.050 ksf

110 -

Total Foundation S
Ending M
 PSDDF S
En
 Ending Fill
 Effec

140 days (80 - 110 days PSDDF)

Settlement: 0.0288 ft
Ending Mudline El: -0.561 ft
Settlement: 1.004 ft
Ending Fill El: 1.002 ft
Thickness: 1.5627 ft
Vv30: 0.4279
e150: 2.3644
MC: 0.8693
Ending γ : 94.30 pcf
Effective Stress: 49.95 psf
0.050 ksf

140 - 180 days (110 - 150 days PSDDF)

Total Foundation Settlement: 0.0327 ft
Ending Mudline El: -0.563 ft
PSDDF Settlement: 1.004 ft
Ending Fill El: 1.000 ft
Ending Fill Thickness: 1.5627 ft
Vv30: 0.4279
e365: 2.3644
MC: 0.8693
Ending γ : 94.30 pcf
Effective Stress: 49.85 psf
0.050 ksf

180 - 365 days (150 - 365 days PSDDF)

Total Foundation Settlement: 0.0457 ft
Ending Mudline El: -0.576 ft
PSDDF Settlement: 1.004 ft
Ending Fill El: 0.987 ft
Ending Fill Thickness: 1.5627 ft
Vv30: 0.4279
e365: 2.3644
MC: 0.8693
Ending γ : 94.30 pcf
Effective Stress: 49.85 psf
0.050 ksf

365 - 545 days

Total Foundation Settlement: 0.0541 ft
Ending Mudline El: -0.584 ft
PSDDF Settlement: 1.004 ft
Ending Fill El: 0.979 ft
Ending Fill Thickness: 1.5627 ft
Vv30: 0.4279
e1095: 2.3644
MC: 0.8693
Ending γ : 94.30 pcf
Effective Stress: 49.85 psf
0.050 ksf

545 - 730 days
Total Foundation Settlement: 0.06 ft
Ending Mudline El: -0.590 ft
PSDDF Settlement: 1.004 ft
Ending Fill El: 0.973 ft
Ending Fill Thickness: 1.5627 ft
Vv30: 0.4279
e1825: 2.3644
MC: 0.8693
Ending γ : 94.30 pcf
Effective Stress: 49.85 psf
0.050 ksf

730 - 1095 days
Total Foundation Settlement: 0.0685 ft
Ending Mudline El: -0.599 ft
PSDDF Settlement: 1.004 ft
Ending Fill El: 0.964 ft
Ending Fill Thickness: 1.5627 ft
Vv30: 0.4279
e3650: 2.3644
MC: 0.8693
Ending γ : 94.30 pcf
Effective Stress: 49.85 psf
0.050 ksf

1095 - 1460 days
Total Foundation Settlement: 0.0741 ft
Ending Mudline El: -0.604 ft
PSDDF Settlement: 1.004 ft
Ending Fill El: 0.959 ft
Ending Fill Thickness: 1.5627 ft
Vv30: 0.4279
e7300: 2.3644
MC: 0.8693
Ending γ : 94.30 pcf
Effective Stress: 49.85 psf
0.050 ksf

1460 - 1
Total Foundation Settlement:
Ending Mudline El:
PSDDF Settlement:
Ending Fill El:
Ending Fill Thickness:
Vv30:
e7300:
MC:
Ending γ :
Effective Stress:

1825 days

0.0786 ft
-0.609 ft
1.004 ft
0.954 ft
1.5627 ft
0.4279
2.3644
0.8693
94.30 pcf
49.85 psf
0.050 ksf

1825 - 3650 days

Total Foundation Settlement: 0.094 ft
Ending Mudline El: -0.624 ft
PSDDF Settlement: 1.004 ft
Ending Fill El: 0.939 ft
Ending Fill Thickness: 1.5627 ft
Vv30: 0.4279
e7300: 2.3644
MC: 0.8693
Ending γ : 94.30 pcf
Effective Stress: 49.85 psf
0.050 ksf

3650 - 7300 days

Total Foundation Settlement: 0.1106 ft
Ending Mudline El: -0.641 ft
PSDDF Settlement: 1.004 ft
Ending Fill El: 0.922 ft
Ending Fill Thickness: 1.5627 ft
Vv30: 0.4279
e7300: 2.3644
MC: 0.8693
Ending γ : 94.30 pcf
Effective Stress: 49.85 psf
0.050 ksf

7300 - 18250 days

Total Foundation Settlement: 0.1273 ft
Ending Mudline El: -0.657 ft
PSDDF Settlement: 1.004 ft
Ending Fill El: 0.905 ft
Ending Fill Thickness: 1.5627 ft
Vv30: 0.4279
e7300: 2.3644
MC: 0.8693
Ending γ : 94.30 pcf
Effective Stress: 49.85 psf
0.050 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Project No.: 16715-020-00
 Boring: B-18 (Lift 1-3 ft)

SG: 2.72 Initial Fill El 3 ft
 e0: 4.526 Initial Avg. Mudline El -0.35 ft
 Vvi: 0.819037 Initial γ 81.8224 pcf
 Vs: 0.180963 Water El 1
 Initial stress 189.865

Construction period is 0 - 30 days
 Ending Fill El 3 ft
 Ending Mudline El -0.478 ft
 Ending γ 81.822367 pcf
 Fill Thickness 3.478 ft
 Ending Stress: 192.4 psf
 0.192 ksf
 MC: 1.664

30 - 45 days (0 - 15 days PSDDF)
 Total Foundation Settlement: 0.1428 ft
Ending Mudline El: -0.493 ft
 PSDDF Settlement: 1.423 ft
Ending Fill El: 1.562 ft
 Ending Fill Thickness: 2.055 ft
 Vv30: 0.4099
 e15: 2.2651
 MC: 0.8327
 Ending γ : 95.27 pcf
 Effective Stress: 102.63 psf
 0.103 ksf

45 - 60 days (15 - 30 days PSDDF)
 Total Foundation Settlement: 0.0924 ft
Ending Mudline El: -0.493 ft
 PSDDF Settlement: 1.432 ft
Ending Fill El: 1.553 ft
 Ending Fill Thickness: 2.046 ft
 Vv30: 0.4073
 e30: 2.2508
 MC: 0.8275
 Ending γ : 95.42 pcf
 Effective Stress: 102.07 psf
 0.102 ksf

60 - 110 days (30 - 80 days PSDDF)
 Total Foundation Settlement: 0.1107 ft
Ending Mudline El: -0.493 ft
 PSDDF Settlement: 1.76 ft
Ending Fill El: 1.225 ft
 Ending Fill Thickness: 1.718 ft
 Vv30: 0.3130
 e60: 1.7296
 MC: 0.6359
 Ending γ : 101.72 pcf
 Effective Stress: 81.60 psf
 0.082 ksf

110 - 140 days (80 - 110 days PSDDF)
 Total Foundation Settlement: 0.0999 ft
Ending Mudline El: -0.493 ft
 PSDDF Settlement: 1.948 ft
Ending Fill El: 1.037 ft
 Ending Fill Thickness: 1.53 ft
 Vv30: 0.2589
 e150: 1.4309
 MC: 0.5261
 Ending γ : 106.55 pcf
 Effective Stress: 69.87 psf
 0.070 ksf

140 - 180 days (110 - 150 days PSDDF)
 Total Foundation Settlement: 0.0955 ft
Ending Mudline El: -0.493 ft
 PSDDF Settlement: 2.038 ft
Ending Fill El: 0.947 ft
 Ending Fill Thickness: 1.44 ft
 Vv30: 0.2331
 e365: 1.2879
 MC: 0.4735
 Ending γ : 109.31 pcf
 Effective Stress: 67.55 psf
 0.068 ksf

180 - 365 days (150 - 365 days PSDDF)
 Total Foundation Settlement: 0.1203 ft
Ending Mudline El: -0.493 ft
 PSDDF Settlement: 2.047 ft
Ending Fill El: 0.938 ft
 Ending Fill Thickness: 1.431 ft
 Vv30: 0.2305
 e365: 1.2736
 MC: 0.4682
 Ending γ : 109.61 pcf
 Effective Stress: 67.55 psf
 0.068 ksf

	365 - 545 days	545 - 730 days	730 - 1095 days	1095 - 1460 days	1460 - 1825 days	1825 -
>SDDF]						
ft	Total Foundation Settlement: 0.1384 ft	Total Foundation Settlement: 0.1524 ft	Total Foundation Settlement: 0.1723 ft	Total Foundation Settlement: 0.187 ft	Total Foundation Settlement: 0.1984 ft	Total Foundation Settlement:
ft	Ending Mudline El: -0.493 ft	Ending Mudline El: -0.502 ft	Ending Mudline El: -0.522 ft	Ending Mudline El: -0.537 ft	Ending Mudline El: -0.548 ft	Ending Mudline El:
ft	PSDDF Settlement: 2.047 ft	PSDDF Settlement: 2.047 ft	PSDDF Settlement: 2.047 ft	PSDDF Settlement: 2.047 ft	PSDDF Settlement: 2.047 ft	PSDDF Settlement:
ft	Ending Fill El: 0.938 ft	Ending Fill El: 0.929 ft	Ending Fill El: 0.909 ft	Ending Fill El: 0.894 ft	Ending Fill El: 0.883 ft	Ending Fill El:
ft	Ending Fill Thickness: 1.431 ft	Ending Fill Thickness: 1.431 ft	Ending Fill Thickness:			
	Vv30: 0.2305	Vv30: 0.2305	Vv30: 0.2305	Vv30: 0.2305	Vv30: 0.2305	Vv30:
	e1095: 1.2736	e1825: 1.2736	e3650: 1.2736	e7300: 1.2736	e7300: 1.2736	e7300:
	MC: 0.4682	MC: 0.4682	MC: 0.4682	MC: 0.4682	MC: 0.4682	MC:
pcf	Ending γ : 109.61 pcf	Ending γ : 109.61 pcf	Ending γ : 109.61 pcf	Ending γ : 109.61 pcf	Ending γ : 109.61 pcf	Ending γ :
psf	Effective Stress: 67.55 psf	Effective Stress: 67.55 psf	Effective Stress: 67.55 psf	Effective Stress: 67.55 psf	Effective Stress: 67.55 psf	Effective Stress:
ksf	0.068 ksf	0.068 ksf	0.068 ksf	0.068 ksf	0.068 ksf	

3650 days

0.235 ft
-0.585 ft
2.047 ft
0.846 ft
1.431 ft
0.2305
1.2736
0.4682
109.61 pcf
67.55 psf
0.068 ksf

3650 - 7300 days

Total Foundation Settlement: 0.2692 ft
Ending Mudline El: -0.619 ft
PSDDF Settlement: 2.047 ft
Ending Fill El: 0.812 ft
Ending Fill Thickness: 1.431 ft
Vv30: 0.2305
e7300: 1.2736
MC: 0.4682
Ending γ : 109.61 pcf
Effective Stress: 67.55 psf
0.068 ksf

7300 - 18250 days

Total Foundation Settlement: 0.3117 ft
Ending Mudline El: -0.662 ft
PSDDF Settlement: 2.047 ft
Ending Fill El: 0.769 ft
Ending Fill Thickness: 1.431 ft
Vv30: 0.2305
e7300: 1.2736
MC: 0.4682
Ending γ : 109.61 pcf
Effective Stress: 67.55 psf
0.068 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)

Project No.: 16715-020-00

Boring: B-18 (Lift 1-2 ft)

SG: 2.72 Initial Fill El 2 ft
e0: 4.526 Initial Avg. Mudline El -0.35 ft
Vvi: 0.819037 Initial γ 81.8224 pcf
Vs: 0.180963 Water El 1
Initial stress 108.043

Construction period is 0 - 30 days

Ending Fill El 2 ft
Ending Mudline El -0.4296 ft
Ending γ 81.822367 pcf
Fill Thickness 2.4296 ft
Ending Stress: 109.6 psf
0.110 ksf
MC: 1.664

30 - 45 days (0 - 15 days PSDDF)

Total Foundation Settlement: 0.0899 ft
Ending Mudline El: -0.440 ft
PSDDF Settlement: 0.937 ft
Ending Fill El: 1.053 ft
Ending Fill Thickness: 1.4926 ft
Vv30: 0.4334
e15: 2.3948
MC: 0.8805
Ending γ : 94.02 pcf
Effective Stress: 50.48 psf
0.050 ksf

45 - 60 days (15 - 30 days PSDDF)

Total Foundation Settlement: 0.0493 ft
Ending Mudline El: -0.440 ft
PSDDF Settlement: 0.939 ft
Ending Fill El: 1.051 ft
Ending Fill Thickness: 1.4906 ft
Vv30: 0.4326
e30: 2.3903
MC: 0.8788
Ending γ : 94.06 pcf
Effective Stress: 50.35 psf
0.050 ksf

60 - 110 days (30 - 80 days PSDDF)

Total Foundation Settlement: 0.0568 ft
Ending Mudline El: -0.440 ft
PSDDF Settlement: 1.233 ft
Ending Fill El: 0.757 ft
Ending Fill Thickness: 1.1966 ft
Vv30: 0.3115
e60: 1.7216
MC: 0.6329
Ending γ : 101.84 pcf
Effective Stress: 47.19 psf
0.047 ksf

110 -

Total Foundation S
Ending M
PSDDF S
En
Ending Fill
Effec

140 days (80 - 110 days PSDDF)

Settlement: 0.0618 ft
Ending Mudline El: -0.440 ft
Settlement: 1.234 ft
Ending Fill El: 0.756 ft
Thickness: 1.1956 ft
Vv30: 0.3111
e150: 1.7193
MC: 0.6321
Ending γ : 101.87 pcf
Effective Stress: 47.19 psf
0.047 ksf

140 - 180 days (110 - 150 days PSDDF)

Total Foundation Settlement: 0.0678 ft
Ending Mudline El: -0.440 ft
PSDDF Settlement: 1.234 ft
Ending Fill El: 0.756 ft
Ending Fill Thickness: 1.1956 ft
Vv30: 0.3111
e365: 1.7193
MC: 0.6321
Ending γ : 101.87 pcf
Effective Stress: 47.19 psf
0.047 ksf

180 - 365 days (150 - 365 days PSDDF)

Total Foundation Settlement: 0.0875 ft
Ending Mudline El: -0.440 ft
PSDDF Settlement: 1.234 ft
Ending Fill El: 0.756 ft
Ending Fill Thickness: 1.1956 ft
Vv30: 0.3111
e365: 1.7193
MC: 0.6321
Ending γ : 101.87 pcf
Effective Stress: 47.19 psf
0.047 ksf

365 - 545 days

Total Foundation Settlement: 0.101 ft
Ending Mudline El: -0.451 ft
PSDDF Settlement: 1.234 ft
Ending Fill El: 0.745 ft
Ending Fill Thickness: 1.1956 ft
Vv30: 0.3111
e1095: 1.7193
MC: 0.6321
Ending γ : 101.87 pcf
Effective Stress: 47.19 psf
0.047 ksf

545 - 730 days
Total Foundation Settlement: 0.111 ft
Ending Mudline El: -0.461 ft
PSDDF Settlement: 1.234 ft
Ending Fill El: 0.735 ft
Ending Fill Thickness: 1.1956 ft
Vv30: 0.3111
e1825: 1.7193
MC: 0.6321
Ending γ : 101.87 pcf
Effective Stress: 47.19 psf
0.047 ksf

730 - 1095 days
Total Foundation Settlement: 0.125 ft
Ending Mudline El: -0.475 ft
PSDDF Settlement: 1.234 ft
Ending Fill El: 0.721 ft
Ending Fill Thickness: 1.1956 ft
Vv30: 0.3111
e3650: 1.7193
MC: 0.6321
Ending γ : 101.87 pcf
Effective Stress: 47.19 psf
0.047 ksf

1095 - 1460 days
Total Foundation Settlement: 0.135 ft
Ending Mudline El: -0.485 ft
PSDDF Settlement: 1.234 ft
Ending Fill El: 0.711 ft
Ending Fill Thickness: 1.1956 ft
Vv30: 0.3111
e7300: 1.7193
MC: 0.6321
Ending γ : 101.87 pcf
Effective Stress: 47.19 psf
0.047 ksf

1460 - 1
Total Foundation Settlement:
Ending Mudline El:
PSDDF Settlement:
Ending Fill El:
Ending Fill Thickness:
Vv30:
e7300:
MC:
Ending γ :
Effective Stress:

1825 days

0.1434 ft
-0.493 ft
 1.234 ft
0.702 ft
 1.1956 ft
 0.3111
 1.7193
 0.6321
 101.87 pcf
 47.19 psf
 0.047 ksf

1825 - 3650 days

Total Foundation Settlement: 0.1692 ft
Ending Mudline El: -0.519 ft
 PSDDF Settlement: 1.234 ft
Ending Fill El: 0.676 ft
 Ending Fill Thickness: 1.1956 ft
 Vv30: 0.3111
 e7300: 1.7193
 MC: 0.6321
 Ending γ : 101.87 pcf
 Effective Stress: 47.19 psf
 0.047 ksf

3650 - 7300 days

Total Foundation Settlement: 0.1929 ft
Ending Mudline El: -0.543 ft
 PSDDF Settlement: 1.234 ft
Ending Fill El: 0.653 ft
 Ending Fill Thickness: 1.1956 ft
 Vv30: 0.3111
 e7300: 1.7193
 MC: 0.6321
 Ending γ : 101.87 pcf
 Effective Stress: 47.19 psf
 0.047 ksf

7300 - 18250 days

Total Foundation Settlement: 0.2224 ft
Ending Mudline El: -0.572 ft
 PSDDF Settlement: 1.234 ft
Ending Fill El: 0.623 ft
 Ending Fill Thickness: 1.1956 ft
 Vv30: 0.3111
 e7300: 1.7193
 MC: 0.6321
 Ending γ : 101.87 pcf
 Effective Stress: 47.19 psf
 0.047 ksf

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

Layer 1				Layer 2				
Total layer settlement:	2.363 in		4	Total layer settlement:	0.465 in	(from SETANL)	Total layer s	
Cv:	0.08 ft ² /day			Cv:	0.02 ft ² /day			
Hdr:	10 ft			Hdr:	8 ft			

Layer Settlement				Layer Settlement				
time, t	Tv	U	(in)	time, t	Tv	U	(in)	time, t
(days)				(days)				(days)
0	0	0	0	0	0	0	0	0
30	0.024	17.48077	0.41307071	30	0.009375	10.92548	0.0508035	30
60	0.048	24.72155	0.5841702	60	0.01875	15.45097	0.071847	60
90	0.072	30.27759	0.71545946	90	0.028125	18.92349	0.08799425	90
180	0.144	42.81898	1.01181247	180	0.05625	26.76186	0.12444266	180
365	0.292	60.56089	1.43105381	365	0.114063	38.10891	0.17720642	365
730	0.584	80.81516	1.90966221	730	0.228125	53.89413	0.25060772	730
1095	0.876	90.66769	2.14247745	1095	0.342188	65.15539	0.30297257	1095
1460	1.168	95.46037	2.25572857	1460	0.45625	73.70446	0.34272574	1460
1825	1.46	97.79173	2.31081867	1825	0.570313	80.15603	0.37272553	1825
3650	2.92	99.93985	2.36157875	3650	1.140625	95.14308	0.44241531	3650
5475	4.38	99.99836	2.36296129	5475	1.710938	98.81124	0.45947227	5475
7300	5.84	99.99996	2.36299895	7300	2.28125	99.70904	0.46364706	7300
LT			2.363	LT			0.465	LT

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement:		2.363 in		Settlement:		0.508 in (from SETANL)		Total layer settlement:		0.198 in	
Cv:		0.08 ft ² /day		Cv:		0.03 ft ² /day		Cv:		0.2 ft ² /day	
Hdr:		10 ft		Hdr:		7.55 ft		Hdr:		4 ft	
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day)	Tv	U	Layer Settli	
0	0	0	0	0	0	0	0	0	0	0	
30	0.024	17.48077	0.41307071	0.015789	14.17847	0.07202663	30	0.375	67.86585	0.134374	
60	0.048	24.72155	0.5841702	0.031578	20.05138	0.10186103	60	0.75	87.26387	0.172782	
90	0.072	30.27759	0.71545946	0.047366	24.55783	0.12475378	90	1.125	94.95213	0.188005	
180	0.144	42.81898	1.01181247	0.094733	34.73002	0.17642848	180	2.25	99.68572	0.197378	
365	0.292	60.56089	1.43105381	0.192097	49.45556	0.25123427	365	4.5625	99.99896	0.197998	
730	0.584	80.81516	1.90966221	0.384194	68.58675	0.34842068	730	9.125	100	0.198	
1095	0.876	90.66769	2.14247745	0.576291	80.44664	0.40866895	1095	13.6875	100	0.198	
1460	1.168	95.46037	2.25572857	0.768387	87.8289	0.44617082	1460	18.25	100	0.198	
1825	1.46	97.79173	2.31081867	0.960484	92.42403	0.46951408	1825	22.8125	100	0.198	
3650	2.92	99.93985	2.36157875	1.920968	99.29209	0.5044038	3650	45.625	100	0.198	
5475	4.38	99.99836	2.36296129	2.881453	99.93385	0.50766396	5475	68.4375	100	0.198	
7300	5.84	99.99996	2.36299895	3.841937	99.99382	0.5079686	7300	91.25	100	0.198	
LT			2.363			0.508	LT			0.198	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 2.363 in 4 (from SETANL)
 Cv: 0.08 ft²/day
 Hdr: 10 ft

Layer 5
 Total layer settlement: 1.018 in (from SETANL)
 Cv: 0.03 ft²/day
 Hdr: 6.55 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.024	17.48077	0.41307071
60	0.048	24.72155	0.5841702
90	0.072	30.27759	0.71545946
180	0.144	42.81898	1.01181247
365	0.292	60.56089	1.43105381
730	0.584	80.81516	1.90966221
1095	0.876	90.66769	2.14247745
1460	1.168	95.46037	2.25572857
1825	1.46	97.79173	2.31081867
3650	2.92	99.93985	2.36157875
5475	4.38	99.99836	2.36296129
7300	5.84	99.99996	2.36299895
LT			2.363

ement

time, t (days)	Tv	U	Layer Settlement
0	0	0	0
30	0.020978	16.34312	0.166373
60	0.041956	23.11266	0.235287
90	0.062933	28.30712	0.288166
180	0.125867	40.03231	0.407529
365	0.25523	57.00603	0.580321
730	0.51046	76.99727	0.783832
1095	0.76569	87.7476	0.893271
1460	1.02092	93.47376	0.951563
1825	1.276149	96.5238	0.982612
3650	2.552299	99.85096	1.016483
5475	3.828448	99.99361	1.017935
7300	5.104598	99.99973	1.017997
LT			1.018

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

	Layer 1		Layer 6		Layer 7	
Total layer settlement:	2.363 in	4	Total layer settlement:	1.327 in (from SETANL)	Total layer settlement:	2.021
Cv:	0.08 ft ² /day		Cv:	0.03 ft ² /day	Cv:	0.02
Hdr:	10 ft		Hdr:	11.55 ft	Hdr:	26.57

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.024	17.48077	0.41307071
60	0.048	24.72155	0.5841702
90	0.072	30.27759	0.71545946
180	0.144	42.81898	1.01181247
365	0.292	60.56089	1.43105381
730	0.584	80.81516	1.90966221
1095	0.876	90.66769	2.14247745
1460	1.168	95.46037	2.25572857
1825	1.46	97.79173	2.31081867
3650	2.92	99.93985	2.36157875
5475	4.38	99.99836	2.36296129
7300	5.84	99.99996	2.36299895
LT			2.363

time, t (day)	Tv	U	Layer Settlement
0	0	0	0
30	0.006747	9.268177	0.122989
60	0.013493	13.10718	0.173932
90	0.02024	16.05295	0.213023
180	0.040479	22.70231	0.30126
365	0.082082	32.3281	0.428994
730	0.164165	45.71883	0.606689
1095	0.246247	55.99391	0.743039
1460	0.32833	63.94309	0.848525
1825	0.410412	70.55499	0.936265
3650	0.820824	89.30632	1.185095
5475	1.231236	96.11632	1.275464
7300	1.641648	98.58955	1.308283
LT			1.327

time, t (day)	Tv	U
0	0	0
30	0.00085	3.28957
60	0.0017	4.652154
90	0.00255	5.697702
180	0.005099	8.057768
365	0.01034	11.47427
730	0.020681	16.22706
1095	0.031021	19.87401
1460	0.041362	22.94853
1825	0.051702	25.65724
3650	0.103405	36.28482
5475	0.155107	44.43964
7300	0.206809	51.31448
LT		

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

	Layer 1				Layer 8
Total layer settlement:	2.363 in	4	in	(from SETANL)	Total layer settlement: 0.741 in (from SETA)
Cv:	0.08 ft ² /day		ft ² /day		Ch: 0.04 ft ² /day
Hdr:	10 ft		ft		Hdr: 40 ft

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (day	Tv	U	Layer Settlement
0	0	0	0	0	0	0	0	0
30	0.024	17.48077	0.41307071	0.066482	30	0.00075	3.090194	0.022898
60	0.048	24.72155	0.5841702	0.09402	60	0.0015	4.370194	0.032383
90	0.072	30.27759	0.71545946	0.115151	90	0.00225	5.352372	0.039661
180	0.144	42.81898	1.01181247	0.162847	180	0.0045	7.569398	0.056089
365	0.292	60.56089	1.43105381	0.231895	365	0.009125	10.77883	0.079871
730	0.584	80.81516	1.90966221	0.327949	730	0.01825	15.24356	0.112955
1095	0.876	90.66769	2.14247745	0.401654	1095	0.027375	18.66948	0.138341
1460	1.168	95.46037	2.25572857	0.46379	1460	0.0365	21.55765	0.159742
1825	1.46	97.79173	2.31081867	0.518533	1825	0.045625	24.10219	0.178597
3650	2.92	99.93985	2.36157875	0.733316	3650	0.09125	34.08564	0.252575
5475	4.38	99.99836	2.36296129	0.898125	5475	0.136875	41.74622	0.309339
7300	5.84	99.99996	2.36299895	1.037066	7300	0.1825	48.20438	0.357194
LT			2.363	2.021	LT			0.741

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	Final Elevation Including Foundation Settlement and Shrinkage Settlement (feet)	Construction Settlement (feet)
0	0	0	0	0	4 10%*fill above water		
30	0.082192	1.049017463	0.08741812	3.912582	0.000	3.912581878	
60	0.164384	1.4662831	0.12219026	3.87781	0.100	3.777809742	
90	0.246575	1.77221349	0.14768446	3.852316	0.150	3.702315543	
180	0.493151	2.437786548	0.20314888	3.796851	0.300	3.496851121	
365	1	3.378573722	0.28154781	3.718452	0.300	3.41845219	
730	2	4.538115449	0.37817629	3.621824	0.300	3.321823713	
1095	3	5.22842328	0.43570194	3.564298	0.300	3.26429806	
1460	4	5.666244848	0.47218707	3.527813	0.300	3.227812929	
1825	5	5.967065354	0.49725545	3.502745	0.300	3.202744554	
3650	10	6.693866177	0.55782218	3.442178	0.300	3.142177819	
5475	15	7.02896075	0.58574673	3.414253	0.300	3.114253271	
7300	20	7.253155194	0.6044296	3.39557	0.300	3.095570401	
LT		8.641	0.72008333	3.279917	0.300	2.979916667	0.14

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	2.882
30	0.082192	1.049017463	0.08741812	3.912582	0.000	Ch: 0.04
60	0.164384	1.4662831	0.12219026	3.87781	0.100	21
90	0.246575	1.77221349	0.14768446	3.852316	0.150	
180	0.493151	2.437786548	0.20314888	3.796851	0.300	
365	1	3.378573722	0.28154781	3.718452	0.300	
730	2	4.538115449	0.37817629	3.621824	0.300	
1095	3	5.22842328	0.43570194	3.564298	0.300	
1460	4	5.666244848	0.47218707	3.527813	0.300	
1825	5	5.967065354	0.49725545	3.502745	0.300	
3650	10	6.693866177	0.55782218	3.442178	0.300	
5475	15	7.02896075	0.58574673	3.414253	0.300	
7300	20	7.253155194	0.6044296	3.39557	0.300	
LT		8.641	0.72008333	3.279917	0.300	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)		
0	0	0	0	0	4	10%*fill above water	0.942
30	0.082192	1.049017463	0.08741812	3.912582	0.000	Ch:	0.08
60	0.164384	1.4662831	0.12219026	3.87781	0.100		25
90	0.246575	1.77221349	0.14768446	3.852316	0.150		
180	0.493151	2.437786548	0.20314888	3.796851	0.300		
365	1	3.378573722	0.28154781	3.718452	0.300		0
730	2	4.538115449	0.37817629	3.621824	0.300		0
1095	3	5.22842328	0.43570194	3.564298	0.300		0
1460	4	5.666244848	0.47218707	3.527813	0.300		0
1825	5	5.967065354	0.49725545	3.502745	0.300		0
3650	10	6.693866177	0.55782218	3.442178	0.300		0
5475	15	7.02896075	0.58574673	3.414253	0.300		0
7300	20	7.253155194	0.6044296	3.39557	0.300		0
LT		8.641	0.72008333	3.279917	0.300		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-16

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	0.616
30	0.082192	1.049017463	0.08741812	3.912582	0.000	0.08
60	0.164384	1.4662831	0.12219026	3.87781	0.100	27.5
90	0.246575	1.77221349	0.14768446	3.852316	0.150	
180	0.493151	2.437786548	0.20314888	3.796851	0.300	
365	1	3.378573722	0.28154781	3.718452	0.300	0
730	2	4.538115449	0.37817629	3.621824	0.300	0
1095	3	5.22842328	0.43570194	3.564298	0.300	0
1460	4	5.666244848	0.47218707	3.527813	0.300	0
1825	5	5.967065354	0.49725545	3.502745	0.300	0
3650	10	6.693866177	0.55782218	3.442178	0.300	0
5475	15	7.02896075	0.58574673	3.414253	0.300	0
7300	20	7.253155194	0.6044296	3.39557	0.300	0
LT		8.641	0.72008333	3.279917	0.300	0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

Layer 1				Layer 2				
Total layer settlement:	0.968 in		4	Total layer settlement:	0.391 in	(from SETANL)	Total layer s	
Cv:	0.02 ft ² /day			Cv:	0.03 ft ² /day			
Hdr:	8 ft			Hdr:	12 ft			

Layer Settlement				Layer Settlement				
time, t	Tv	U	(in)	time, t	Tv	U	(in)	time, t
(days)				(days)				(days)
0	0	0	0	0	0	0	0	0
30	0.009375	10.92548	0.10575869	30	0.00625	8.920621	0.03487963	30
60	0.01875	15.45097	0.14956537	60	0.0125	12.61566	0.04932724	60
90	0.028125	18.92349	0.18317942	90	0.01875	15.45097	0.06041329	90
180	0.05625	26.76186	0.25905482	180	0.0375	21.85097	0.08543729	180
365	0.114063	38.10891	0.36889423	365	0.076042	31.11579	0.12166275	365
730	0.228125	53.89413	0.52169522	730	0.152083	44.00438	0.17205711	730
1095	0.342188	65.15539	0.63070419	1095	0.228125	53.89413	0.21072607	1095
1460	0.45625	73.70446	0.71345917	1460	0.304167	61.72751	0.24135455	1460
1825	0.570313	80.15603	0.77591035	1825	0.380208	68.27626	0.26696016	1825
3650	1.140625	95.14308	0.92098499	3650	0.760417	87.58711	0.34246561	3650
5475	1.710938	98.81124	0.95649281	5475	1.140625	95.14308	0.37200943	5475
7300	2.28125	99.70904	0.96518355	7300	1.520833	98.09958	0.38356936	7300
LT			0.968	LT			0.391	LT

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement: 0.968 in				Settlement: 0.455 in (from SETANL)				Total layer settlement: 2.477 in			
Cv: 0.02 ft ² /day				Ch: 0.16 ft ² /day				Ch: 0.16 ft ² /day			
Hdr: 8 ft				Hdr: 18 ft				Hdr: 23 ft			
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day	Tv	U	Layer Settl	
0	0	0	0	0	0	0	0	0	0	0	
30	0.009375	10.92548	0.10575869	0.014815	13.73419	0.06249058	30	0.009074	10.7485	0.26624	
60	0.01875	15.45097	0.14956537	0.02963	19.42308	0.08837503	60	0.018147	15.20067	0.376521	
90	0.028125	18.92349	0.18317942	0.044444	23.78832	0.10823686	90	0.027221	18.61695	0.461142	
180	0.05625	26.76186	0.25905482	0.088889	33.64177	0.15307004	180	0.054442	26.32834	0.652153	
365	0.114063	38.10891	0.36889423	0.180247	47.9059	0.21797183	365	0.110397	37.49157	0.928666	
730	0.228125	53.89413	0.52169522	0.360494	66.6946	0.30346043	730	0.220794	53.02109	1.313332	
1095	0.342188	65.15539	0.63070419	0.540741	78.65363	0.35787403	1095	0.331191	64.1968	1.590155	
1460	0.45625	73.70446	0.71345917	0.720988	86.31851	0.39274924	1460	0.441588	72.73553	1.801659	
1825	0.570313	80.15603	0.77591035	0.901235	91.23115	0.41510174	1825	0.551985	79.23785	1.962721	
3650	1.140625	95.14308	0.92098499	1.802469	99.05161	0.4506848	3650	1.10397	94.68322	2.345303	
5475	1.710938	98.81124	0.95649281	2.703704	99.89743	0.45453329	5475	1.655955	98.63848	2.443275	
7300	2.28125	99.70904	0.96518355	3.604938	99.98891	0.45494952	7300	2.20794	99.65134	2.468364	
LT			0.968			0.455	LT			2.477	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 0.968 in 4 (from SETANL)
 Cv: 0.02 ft²/day
 Hdr: 8 ft

Layer 5
 Total layer settlement: 0.219 in (from SETANL)
 Ch: 0.04 ft²/day
 Hdr: 29 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.009375	10.92548	0.10575869
60	0.01875	15.45097	0.14956537
90	0.028125	18.92349	0.18317942
180	0.05625	26.76186	0.25905482
365	0.114063	38.10891	0.36889423
730	0.228125	53.89413	0.52169522
1095	0.342188	65.15539	0.63070419
1460	0.45625	73.70446	0.71345917
1825	0.570313	80.15603	0.77591035
3650	1.140625	95.14308	0.92098499
5475	1.710938	98.81124	0.95649281
7300	2.28125	99.70904	0.96518355
LT			0.968

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time, t (days)	Tv	U	Layer Settlement
0	0	0	0
30	0.001427	4.262336	0.009335
60	0.002854	6.027853	0.013201
90	0.004281	7.382583	0.016168
180	0.008561	10.44055	0.022865
365	0.01736	14.86735	0.032559
730	0.034721	21.0256	0.046046
1095	0.052081	25.751	0.056395
1460	0.069441	29.73469	0.065119
1825	0.086801	33.2444	0.072805
3650	0.173603	47.01468	0.102962
5475	0.260404	57.58099	0.126102
7300	0.347206	65.58427	0.14363
LT			0.219

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

Layer 1				Layer 6				Layer 7			
Total layer settlement:		0.968 in		Total layer settlement:		0.338 in (from SETANL)		Total layer settlement:		0	
Cv:		0.02 ft ² /day		Ch:		0.062 ft ² /day		Ch:		0	
Hdr:		8 ft		Hdr:		37 ft		Hdr:		1	
Layer Settlement				Layer Settlement				Layer Settlement			
time, t (days)	Tv	U	(in)	time, t (days)	Tv	U	Layer Settlement	time, t (days)	Tv	U	Layer Settlement
0	0	0	0	0	0	0	0	0	0	0	0
30	0.009375	10.92548	0.10575869	30	0.001359	4.1592	0.014058	30	0	0	0
60	0.01875	15.45097	0.14956537	60	0.002717	5.881997	0.019881	60	0	0	0
90	0.028125	18.92349	0.18317942	90	0.004076	7.203946	0.024349	90	0	0	0
180	0.05625	26.76186	0.25905482	180	0.008152	10.18792	0.034435	180	0	0	0
365	0.114063	38.10891	0.36889423	365	0.01653	14.5076	0.049036	365	0	0	0
730	0.228125	53.89413	0.52169522	730	0.033061	20.51685	0.069347	730	0	0	0
1095	0.342188	65.15539	0.63070419	1095	0.049591	25.1279	0.084932	1095	0	0	0
1460	0.45625	73.70446	0.71345917	1460	0.066121	29.0152	0.098071	1460	0	0	0
1825	0.570313	80.15603	0.77591035	1825	0.082652	32.43998	0.109647	1825	0	0	0
3650	1.140625	95.14308	0.92098499	3650	0.165303	45.87706	0.155064	3650	0	0	0
5475	1.710938	98.81124	0.95649281	5475	0.247955	56.1877	0.189914	5475	0	0	0
7300	2.28125	99.70904	0.96518355	7300	0.330606	64.1451	0.21681	7300	0	0	0
LT			0.968	LT			0.338	LT			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

	Layer 1					Layer 8	
Total layer settlement:	0.968 in	4	in	(from SETANL)	Total layer settlement:	0 in	(from SETA)
Cv:	0.02 ft ² /day		ft ² /day		Ch:	0 ft ² /day	
Hdr:	8 ft		ft		Hdr:	1 ft	

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (day	Tv	U	Layer Settlement
0	0	0	0	0	0	0	0	0
30	0.009375	10.92548	0.10575869	0	30	0	0	0
60	0.01875	15.45097	0.14956537	0	60	0	0	0
90	0.028125	18.92349	0.18317942	0	90	0	0	0
180	0.05625	26.76186	0.25905482	0	180	0	0	0
365	0.114063	38.10891	0.36889423	0	365	0	0	0
730	0.228125	53.89413	0.52169522	0	730	0	0	0
1095	0.342188	65.15539	0.63070419	0	1095	0	0	0
1460	0.45625	73.70446	0.71345917	0	1460	0	0	0
1825	0.570313	80.15603	0.77591035	0	1825	0	0	0
3650	1.140625	95.14308	0.92098499	0	3650	0	0	0
5475	1.710938	98.81124	0.95649281	0	5475	0	0	0
7300	2.28125	99.70904	0.96518355	0	7300	0	0	0
LT			0.968	0	LT			0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	Final Elevation Including Foundation Settlement and Shrinkage Settlement (feet)	Construction Settlement (feet)
0	0	0	0	0	4 10%*fill above water		
30	0.082192	0.492761842	0.04106349	3.958937	0.000	3.958936513	
60	0.164384	0.69687048	0.05807254	3.941927	0.100	3.84192746	
90	0.246575	0.853488546	0.07112405	3.928876	0.150	3.778875954	
180	0.493151	1.207015078	0.10058459	3.899415	0.300	3.59941541	
365	1	1.718790224	0.14323252	3.856767	0.300	3.556767481	
730	2	2.425938154	0.20216151	3.797838	0.300	3.497838487	
1095	3	2.930786045	0.24423217	3.755768	0.300	3.45576783	
1460	4	3.312412337	0.27603436	3.723966	0.300	3.423965639	
1825	5	3.603146113	0.30026218	3.699738	0.300	3.399737824	
3650	10	4.317465381	0.35978878	3.640211	0.300	3.340211218	
5475	15	4.542327392	0.37852728	3.621473	0.300	3.321472717	
7300	20	4.632506138	0.38604218	3.613958	0.300	3.313957822	
LT		4.848	0.404	3.596	0.300	3.296	0.08

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	2.882
30	0.082192	0.492761842	0.04106349	3.958937	0.000	Ch: 0.04
60	0.164384	0.69687048	0.05807254	3.941927	0.100	21
90	0.246575	0.853488546	0.07112405	3.928876	0.150	
180	0.493151	1.207015078	0.10058459	3.899415	0.300	
365	1	1.718790224	0.14323252	3.856767	0.300	
730	2	2.425938154	0.20216151	3.797838	0.300	
1095	3	2.930786045	0.24423217	3.755768	0.300	
1460	4	3.312412337	0.27603436	3.723966	0.300	
1825	5	3.603146113	0.30026218	3.699738	0.300	
3650	10	4.317465381	0.35978878	3.640211	0.300	
5475	15	4.542327392	0.37852728	3.621473	0.300	
7300	20	4.632506138	0.38604218	3.613958	0.300	
LT		4.848	0.404	3.596	0.300	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)		
0	0	0	0	0	4 10%*fill above water	0.942	
30	0.082192	0.492761842	0.04106349	3.958937	0.000	Ch: 0.08	Ch:
60	0.164384	0.69687048	0.05807254	3.941927	0.100	25	
90	0.246575	0.853488546	0.07112405	3.928876	0.150		
180	0.493151	1.207015078	0.10058459	3.899415	0.300		
365	1	1.718790224	0.14323252	3.856767	0.300		0
730	2	2.425938154	0.20216151	3.797838	0.300		0
1095	3	2.930786045	0.24423217	3.755768	0.300		0
1460	4	3.312412337	0.27603436	3.723966	0.300		0
1825	5	3.603146113	0.30026218	3.699738	0.300		0
3650	10	4.317465381	0.35978878	3.640211	0.300		0
5475	15	4.542327392	0.37852728	3.621473	0.300		0
7300	20	4.632506138	0.38604218	3.613958	0.300		0
LT		4.848	0.404	3.596	0.300		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No. 16715-020-00
 Boring No.: B-17

Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	0.616
30	0.082192	0.492761842	0.04106349	3.958937	0.000	0.08
60	0.164384	0.69687048	0.05807254	3.941927	0.100	27.5
90	0.246575	0.853488546	0.07112405	3.928876	0.150	
180	0.493151	1.207015078	0.10058459	3.899415	0.300	
365	1	1.718790224	0.14323252	3.856767	0.300	0
730	2	2.425938154	0.20216151	3.797838	0.300	0
1095	3	2.930786045	0.24423217	3.755768	0.300	0
1460	4	3.312412337	0.27603436	3.723966	0.300	0
1825	5	3.603146113	0.30026218	3.699738	0.300	0
3650	10	4.317465381	0.35978878	3.640211	0.300	0
5475	15	4.542327392	0.37852728	3.621473	0.300	0
7300	20	4.632506138	0.38604218	3.613958	0.300	0
LT		4.848	0.404	3.596	0.300	0
						0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

Layer 1				Layer 2				
Total layer settlement:	0.978 in		4	Total layer settlement:	1.063 in	(from SETANL)	Total layer s	
Cv:	0.02 ft ² /day			Cv:	0.02 ft ² /day			
Hdr:	8 ft			Hdr:	10 ft			
Layer Settlement				Layer Settlement				
time, t	Tv	U	(in)	time, t	Tv	U	(in)	time, t
(days)				(days)				(days)
0	0	0	0	0	0	0	0	0
30	0.009375	10.92548	0.10685124	30	0.006	8.740387	0.09291032	30
60	0.01875	15.45097	0.15111047	60	0.012	12.36077	0.13139503	60
90	0.028125	18.92349	0.18507177	90	0.018	15.1388	0.16092539	90
180	0.05625	26.76186	0.26173101	180	0.036	21.40949	0.22758287	180
365	0.114063	38.10891	0.37270512	365	0.073	30.48713	0.32407815	365
730	0.228125	53.89413	0.52708463	730	0.146	43.11531	0.45831572	730
1095	0.342188	65.15539	0.63721973	1095	0.219	52.80525	0.56131983	1095
1460	0.45625	73.70446	0.72082961	1460	0.292	60.56089	0.64376225	1460
1825	0.570313	80.15603	0.78392595	1825	0.365	67.06294	0.71287901	1825
3650	1.140625	95.14308	0.9304993	3650	0.73	86.61946	0.92076483	3650
5475	1.710938	98.81124	0.96637394	5475	1.095	94.56421	1.00521756	5475
7300	2.28125	99.70904	0.97515446	7300	1.46	97.79173	1.03952613	7300
LT			0.978	LT			1.063	LT

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

Layer 1				Layer 3				Layer 4			
Total layer settlement:		0.978 in		Settlement:		0.806 in (from SETANL)		Total layer settlement:		2.552 in	
Cv:		0.02 ft ² /day		Cv:		1.4 ft ² /day		Cv:		0.02 ft ² /day	
Hdr:		8 ft		Hdr:		2 ft		Hdr:		11 ft	
time, t (days)	Tv	U	Layer Settlement (in)	Tv	U	Layer Settlement (in)	time, t (day	Tv	U	Layer Settl	
0	0	0	0	0	0	0	0	0	0	0	
30	0.009375	10.92548	0.10685124	10.5	100	0.806	30	0.004959	7.945807	0.202777	
60	0.01875	15.45097	0.15111047	21	100	0.806	60	0.009917	11.23707	0.28677	
90	0.028125	18.92349	0.18507177	31.5	100	0.806	90	0.014876	13.76254	0.35122	
180	0.05625	26.76186	0.26173101	63	100	0.806	180	0.029752	19.46317	0.4967	
365	0.114063	38.10891	0.37270512	127.75	100	0.806	365	0.060331	27.71557	0.707301	
730	0.228125	53.89413	0.52708463	255.5	100	0.806	730	0.120661	39.19573	1.000275	
1095	0.342188	65.15539	0.63721973	383.25	100	0.806	1095	0.180992	48.00477	1.225082	
1460	0.45625	73.70446	0.72082961	511	100	0.806	1460	0.241322	55.43114	1.414603	
1825	0.570313	80.15603	0.78392595	638.75	100	0.806	1825	0.301653	61.48933	1.569208	
3650	1.140625	95.14308	0.9304993	1277.5	100	0.806	3650	0.603306	81.7078	2.085183	
5475	1.710938	98.81124	0.96637394	1916.25	100	0.806	5475	0.904959	91.31138	2.330266	
7300	2.28125	99.70904	0.97515446	2555	100	0.806	7300	1.206612	95.87299	2.446679	
LT			0.978			0.806	LT			2.552	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

Layer 1
 Total layer settlement: 0.978 in 4 (from SETANL)
 Cv: 0.02 ft²/day
 Hdr: 8 ft

Layer 5
 Total layer settlement: 1.842 in (from SETANL)
 Cv: 0.02 ft²/day
 Hdr: 23.93 ft

time, t (days)	Tv	U	Layer Settlement (in)
0	0	0	0
30	0.009375	10.92548	0.10685124
60	0.01875	15.45097	0.15111047
90	0.028125	18.92349	0.18507177
180	0.05625	26.76186	0.26173101
365	0.114063	38.10891	0.37270512
730	0.228125	53.89413	0.52708463
1095	0.342188	65.15539	0.63721973
1460	0.45625	73.70446	0.72082961
1825	0.570313	80.15603	0.78392595
3650	1.140625	95.14308	0.9304993
5475	1.710938	98.81124	0.96637394
7300	2.28125	99.70904	0.97515446
LT			0.978

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time, t (days)	Tv	U	Layer Settlement
0	0	0	0
30	0.001048	3.652481	0.067279
60	0.002096	5.165388	0.095146
90	0.003143	6.326283	0.11653
180	0.006287	8.946715	0.164798
365	0.012748	12.74013	0.234673
730	0.025496	18.01726	0.331878
1095	0.038244	22.06655	0.406466
1460	0.050991	25.48026	0.469346
1825	0.063739	28.48779	0.524745
3650	0.127479	40.28782	0.742102
5475	0.191218	49.3423	0.908885
7300	0.254957	56.97558	1.04949
LT			1.842

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No.: 16715-020-00
 Boring No.: B-18

Dike Crown Elevation = +4 ft

Layer 1				Layer 6				Layer 7			
Total layer settlement:		0.978 in		Total layer settlement:		1.638 in (from SETANL)		Total layer settlement:		0	
Cv:		0.02 ft ² /day		Ch:		0.04 ft ² /day		Ch:		0	
Hdr:		8 ft		Hdr:		38.5 ft		Hdr:		1	
Layer Settlement				Layer Settlement				Layer Settlement			
time, t	Tv	U	(in)	time, t (day)	Tv	U	Layer Settlement	time, t (day)	Tv	U	
(days)											
0	0	0	0	0	0	0	0	0	0	0	
30	0.009375	10.92548	0.10685124	30	0.00081	3.210591	0.052589	30	0	0	
60	0.01875	15.45097	0.15111047	60	0.001619	4.540461	0.074373	60	0	0	
90	0.028125	18.92349	0.18507177	90	0.002429	5.560906	0.091088	90	0	0	
180	0.05625	26.76186	0.26173101	180	0.004857	7.864309	0.128817	180	0	0	
365	0.114063	38.10891	0.37270512	365	0.00985	11.19878	0.183436	365	0	0	
730	0.228125	53.89413	0.52708463	730	0.0197	15.83747	0.259418	730	0	0	
1095	0.342188	65.15539	0.63721973	1095	0.02955	19.39686	0.317721	1095	0	0	
1460	0.45625	73.70446	0.72082961	1460	0.0394	22.39756	0.366872	1460	0	0	
1825	0.570313	80.15603	0.78392595	1825	0.049249	25.04124	0.410175	1825	0	0	
3650	1.140625	95.14308	0.9304993	3650	0.098499	35.41366	0.580076	3650	0	0	
5475	1.710938	98.81124	0.96637394	5475	0.147748	43.37269	0.710445	5475	0	0	
7300	2.28125	99.70904	0.97515446	7300	0.196998	50.08247	0.820351	7300	0	0	
LT			0.978	LT			1.638	LT			

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
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Dike Crown Elevation = +4 ft

	Layer 1						Layer 8
Total layer settlement:	0.978 in	4	in	(from SETANL)	Total layer settlement:	0 in	(from SETA)
Cv:	0.02 ft ² /day		ft ² /day		Ch:	0 ft ² /day	
Hdr:	8 ft		ft		Hdr:	1 ft	

time, t (days)	Tv	U	Layer Settlement (in)	Layer Settlement	time, t (dayTv)	U	Layer Settlement
0	0	0	0	0	0	0	0
30	0.009375	10.92548	0.10685124	0	30	0	0
60	0.01875	15.45097	0.15111047	0	60	0	0
90	0.028125	18.92349	0.18507177	0	90	0	0
180	0.05625	26.76186	0.26173101	0	180	0	0
365	0.114063	38.10891	0.37270512	0	365	0	0
730	0.228125	53.89413	0.52708463	0	730	0	0
1095	0.342188	65.15539	0.63721973	0	1095	0	0
1460	0.45625	73.70446	0.72082961	0	1460	0	0
1825	0.570313	80.15603	0.78392595	0	1825	0	0
3650	1.140625	95.14308	0.9304993	0	3650	0	0
5475	1.710938	98.81124	0.96637394	0	5475	0	0
7300	2.28125	99.70904	0.97515446	0	7300	0	0
LT			0.978	0	LT		0

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
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Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	Final Elevation Including Foundation Settlement and Shrinkage Settlement (feet)	Construction Settlement (feet)
0	0	0	0	0	4 10%*fill above water		
30	0.082192	1.328406724	0.11070056	3.889299	0.000	3.88929944	
60	0.164384	1.544794674	0.12873289	3.871267	0.100	3.771267111	
90	0.246575	1.710834988	0.14256958	3.85743	0.150	3.707430418	
180	0.493151	2.085629911	0.17380249	3.826198	0.300	3.526197507	
365	1	2.628193793	0.21901615	3.780984	0.300	3.480983851	
730	2	3.382971175	0.28191426	3.718086	0.300	3.418085735	
1095	3	3.953807762	0.32948398	3.670516	0.300	3.37051602	
1460	4	4.421412909	0.36845108	3.631549	0.300	3.331548924	
1825	5	4.806933319	0.40057778	3.599422	0.300	3.299422223	
3650	10	6.064624432	0.50538537	3.494615	0.300	3.194614631	
5475	15	6.727187736	0.56059898	3.439401	0.300	3.139401022	
7300	20	7.137200317	0.59476669	3.405233	0.300	3.105233307	
LT		8.879	0.73991667	3.260083	0.300	2.960083333	0.15

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
 Earthen Terrace Time Rate of Settlement Calculations
 Project No. 16715-020-00
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Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	2.882
30	0.082192	1.328406724	0.11070056	3.889299	0.000	Ch: 0.04
60	0.164384	1.544794674	0.12873289	3.871267	0.100	21
90	0.246575	1.710834988	0.14256958	3.85743	0.150	
180	0.493151	2.085629911	0.17380249	3.826198	0.300	
365	1	2.628193793	0.21901615	3.780984	0.300	
730	2	3.382971175	0.28191426	3.718086	0.300	
1095	3	3.953807762	0.32948398	3.670516	0.300	
1460	4	4.421412909	0.36845108	3.631549	0.300	
1825	5	4.806933319	0.40057778	3.599422	0.300	
3650	10	6.064624432	0.50538537	3.494615	0.300	
5475	15	6.727187736	0.56059898	3.439401	0.300	
7300	20	7.137200317	0.59476669	3.405233	0.300	
LT		8.879	0.73991667	3.260083	0.300	

Project: Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
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 Project No. 16715-020-00
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Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)		
0	0	0	0	0	4 10%*fill above water	0.942	
30	0.082192	1.328406724	0.11070056	3.889299	0.000	Ch:	0.08
60	0.164384	1.544794674	0.12873289	3.871267	0.100		25
90	0.246575	1.710834988	0.14256958	3.85743	0.150		
180	0.493151	2.085629911	0.17380249	3.826198	0.300		
365	1	2.628193793	0.21901615	3.780984	0.300		0
730	2	3.382971175	0.28191426	3.718086	0.300		0
1095	3	3.953807762	0.32948398	3.670516	0.300		0
1460	4	4.421412909	0.36845108	3.631549	0.300		0
1825	5	4.806933319	0.40057778	3.599422	0.300		0
3650	10	6.064624432	0.50538537	3.494615	0.300		0
5475	15	6.727187736	0.56059898	3.439401	0.300		0
7300	20	7.137200317	0.59476669	3.405233	0.300		0
LT		8.879	0.73991667	3.260083	0.300		0

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Dike Crown Elevation = +4 ft

time, t (days)	Time, t (years)	Total Foundation Settlement (inches)	Total Foundation Settlement (feet)	Change in Dike Elevation (feet)	Earthen Terrace Shrinkage Settlement (feet)	
0	0	0	0	0	4 10%*fill above water	0.616
30	0.082192	1.328406724	0.11070056	3.889299	0.000	0.08
60	0.164384	1.544794674	0.12873289	3.871267	0.100	27.5
90	0.246575	1.710834988	0.14256958	3.85743	0.150	
180	0.493151	2.085629911	0.17380249	3.826198	0.300	
365	1	2.628193793	0.21901615	3.780984	0.300	0
730	2	3.382971175	0.28191426	3.718086	0.300	0
1095	3	3.953807762	0.32948398	3.670516	0.300	0
1460	4	4.421412909	0.36845108	3.631549	0.300	0
1825	5	4.806933319	0.40057778	3.599422	0.300	0
3650	10	6.064624432	0.50538537	3.494615	0.300	0
5475	15	6.727187736	0.56059898	3.439401	0.300	0
7300	20	7.137200317	0.59476669	3.405233	0.300	0
LT		8.879	0.73991667	3.260083	0.300	0

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