



Project No. 621-017

May 23, 2022

Mr. Tye Fitzgerald
Project Manager
Coastal Protection and Restoration Authority
150 Terrace Avenue
Baton Rouge, Louisiana 70802

Re: Topographic, Bathymetric, and Magnetometer Survey Report
East Catfish Lake Marsh Creation and Shoreline Project (TE-157)
Lafourche Parish, Louisiana

Dear Mr. Fitzgerald:

As requested, Providence Engineering and Environmental Group LLC (Providence) has attached the survey report for your files.

Should you have any questions or need any further assistance, please do not hesitate to contact me by phone at (985) 876-6380 or by email at TerralMartin@ProvidenceEng.com.

Sincerely,

Providence Engineering and Environmental Group LLC

Terral J. Martin, Jr., P.L.S.
Land Survey Manager

TJMjr/dbp

Attachment

May 2022

**EAST CATFISH LAKE MARSH CREATION
AND SHORELINE PROTECTION
PROJECT (TE-157)
LAFOURCHE PARISH, LOUISIANA**



**TOPOGRAPHIC,
BATHYMETRIC, AND
MAGNETOMETER
SURVEY REPORT**



Prepared By:

**Providence Engineering and
Environmental Group LLC**

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Project Number 621-017

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Borrow Survey by Ocean Surveys, Inc. (OSI)

REPORT

1.0 INTRODUCTION

Providence Engineering and Environmental Group LLC (Providence) was contracted by the Coastal Protection and Restoration Authority to conduct Hydrographic and Geophysical Surveys to support the East Catfish Lake Marsh Creation and Shoreline Protection Project (TE-157), Lafourche Parish, Louisiana.

The East Catfish Lake Marsh Creation and Shoreline Protection Project (TE-157) is located in Lafourche Parish and consists of creating 235 acres of marsh area from a borrow source in Catfish Lake. The project will nourish another 71 acres as well as protect the marsh creation cells from shoreline erosion. All of the marsh creation areas will utilize shoreline protection features on the containment dikes on the lakeside boundary of the cells. The approximate coordinates of the center of the project areas are: 29°21'57.11"N and 90°17'32.27"W.

Providence performed the access survey, marsh creation survey and infrastructure survey and subcontracted the borrow survey to Ocean Surveys, Inc. (OSI).

2.0 SUMMARY OF SURVEY

Providence and OSI provided survey support for the topographic, bathymetric, and magnetometer survey services necessary for design of East Catfish Lake Marsh Creation and Shoreline Protection project per the following subsections.

2.1 Project Coordination

Providence contacted the landowner Apache on June 3, 2021 to notify them that the field work would be beginning the week of June 14, 2021. Apache provided a copy of the access permit granted to CPRA on January 25, 2021. The field work began on June 22, 2021.

2.1.1 Horizontal and Vertical Control

The project horizontal reference is the LA State Plane Coordinate System, South Zone (1702), NAD 83 (2001) in US Survey Feet. The project vertical reference is the North American Vertical Datum of 1988 (NAVD 88) (Epoch 2010.0), in feet computed using GEOID 12A. The entire project is referenced to CPRA monument CPRA 876 2184 G TIDAL. C4gnetwork was used for all data collection [Gulfnet Virtual Realtime Network (VRS)]. Secondary monuments CRMS0397-E01 and CRMS03987-E02 were destroyed by Hurricane Ida.

2.1.2 Staff Gage Installation and Water Level Readings

Providence set staff gage and completed its installation as per CPRA's standards on June 22, 2021. Providence collected water elevations at the beginning, middle, and end of each field survey day during the marsh creation survey. The staff gage was destroyed by Hurricane Ida.

2.1.3 Healthy Marsh Elevation Survey

Providence coordinated with CPRA's monitoring manager and received the following three locations for the healthy marsh elevation survey as shown in **Table 1** to follow. Providence recorded at least twenty (20) elevation shots around each one of these sites shot. The healthy marsh elevation survey was performed on March 3, 2022.

Table 1. Healthy Marsh Elevation Locations

LATITUDE	LONGITUDE	DESCRIPTION
29.393458	-90.294172	Healthy Marsh Location (1)
29.358200	-90.284680	Healthy Marsh Location (2)
29.348311	-90.351180	Healthy Marsh Location (5)

3.0 Summary of Topographic, Bathymetric, and Magnetometer Surveys

3.1 Survey Field Equipment

During the survey, the following field equipment was used for the marsh creation:

Global Positioning System:

- Trimble R12 GNSS VRS System
- Trimble R10 GNSS VRS System

Depth Sounder:

- SonarMite single beam depth sounder
- SonarMite v5 single beam echo sounder

Magnetometer:

- Geometrics Marine Magnetometer G-882 with Hypack

3.2 Survey Methodology

Providence mobilized June 22, 2021 to begin the marsh creation survey. The survey reference control was established, and the necessary checks were made before the survey began. After the control checks to monument CPRA 876 2184 G TIDAL, Providence installed a staff gage as per CPRA standards **Table 2**. A Trimble R12 GNSS GPS unit [two-meter fixed height antenna pole with six-inch (6") Topo shoe] was connected to VRS system for data collection. CPRA's Transect lines were used to track across and collect open water, broken marsh, and marsh elevation shots at twenty-five-foot (25') intervals. The open water shots were collected using a single beam echo sounder. A Trimble TSC5 data logger was used for all data collection. The transect survey and access channel surveys were completed between June 22, 2021 and August 26, 2021. The marsh creation magnetometer survey was performed along the same transect lines on July 9, 2021 and was completed by July 19, 2021. A Geometrics G-882 magnetometer with Hypack was used to log data along the transect lines. OSI began the borrow survey on July 25, 2021 and completed on August 1,

2021. Hurricane Ida hit the project area on August 29, 2021 and delayed the infrastructure investigation. The field work for the infrastructure investigation began on October 15, 2021 and ended on May 3, 2022. We were slowed by windy conditions starting in January 2022 through April 2022. The infrastructure investigation included the OSI surveyed borrow area, access channel, and marsh creation areas. The infrastructure survey was focused on magnetometer data clusters, linear features, and pipeline crossings in shallow areas across the access channel. Broken pipes, metal objects and junk were the majority of the magnetometer hits. The infrastructure survey began after Hurricane Ida and a lot of the magnetometer hits were shifted and moved. The software used for all processing was AutoCAD 2020 Civil 3D. Hypack AutoCAD Civil 3D software was used for surface models and cross-section transect lines. Hypack was also used to process the magnetometer data files.

Table 2. Reference Survey Control

Station Name	Latitude	Longitude	Northing	Easting	Elevation
876 2184 G TIDAL	29 22' 25.69"	090 15' 42.32"	319,371.67	3,622,146.27	0.41'
STAFF GAGE	29 48' 1.86"	089 52' 19.77"	319,553.60	3,612,407.48	3.00'

3.3 Marsh Creation and Access Survey

Providence used the transect lines provided by CPRA to perform marsh, access, and magnetometer surveys.

3.4 Borrow Area Survey

Providence used the transect lines provided by CPRA to coordinate with sub-contractor OSI to perform the borrow survey. The sub-contractor OSI performed the borrow survey on July 25, 2021 through August 1, 2021. See OSI's report under attachments.

Table 3. Benchmark 876 2184 G TIDAL Readings

Date	Point #	Elevation
6/22/2021	2	0.41'
6/22/2021	3	0.31'
6/23/2021	4	0.30'
6/25/2021	5	0.27'
6/28/2021	6	0.24'
6/29/2021	7	0.26'
6/30/2021	8	0.32'
7/7/2021	9	0.43'

Table 3. Benchmark 876 2184 G TIDAL Readings

Date	Point #	Elevation
7/8/2021	10	0.25'
7/9/2021	11	0.23'
7/12/2021	12	0.26'
7/13/2021	13	0.32'
7/14/2021	14	0.18'
7/14/2021	15	0.22'
7/15/2021	16	0.38'
7/15/2021	17	0.30'
7/16/2021	18	0.29'
7/19/2021	19	0.24'
7/22/2021	20	0.28'
7/23/2021	21	0.30'
7/26/2021	22	0.29'
7/27/2021	23	0.27'
7/28/2021	24	0.36'
7/29/2021	25	0.27'
7/30/2021	26	0.30'
8/4/2021	27	0.39'
8/5/2021	28	0.21'
8/25/2021	29	0.39'
8/26/2021	30	0.18'
10/15/2021	31	-0.01'
10/18/2021	32	0.42'
10/19/2021	33	0.24'
10/26/2021	34	0.34'
10/27/2021	35	0.38'
11/1/2021	36	0.26'
11/2/2021	37	0.50'
11/3/2021	38	0.28'
11/8/2021	39	0.54'

Table 3. Benchmark 876 2184 G TIDAL Readings

Date	Point #	Elevation
11/9/2021	40	0.46'
11/10/2021	41	0.45'
11/11/2021	42	0.35'
11/29/2021	43	0.11'
11/30/2021	44	0.33'
12/1/2021	45	0.41'
12/2/2021	46	0.30'
12/15/2021	47	0.34'
12/16/2021	48	0.37'
1/12/2022	49	0.27'
1/13/2022	50	0.36'
1/18/2022	51	0.29'
2/10/2022	52	0.32'
2/15/2022	53	0.31'
2/16/2022	54	0.30'
2/23/2022	55	0.36'
3/3/2022	56	0.31'
4/26/2022	57	0.56'
4/27/2022	58	0.48'
4/28/2022	59	0.55'
5/2/2022	60	0.57'
5/3/2022	61	0.43'

Table 4. Water Level Readings

Date	Point #	Elevation
6/22/2021	100	0.86'
6/22/2021	103	1.02'
6/22/2021	105	1.28'
6/22/2021	106	0.66'
6/22/2021	108	0.95'

Table 4. Water Level Readings

Date	Point #	Elevation
6/22/2021	109	0.03'
6/23/2021	110	1.06'
6/23/2021	111	1.23'
6/23/2021	112	0.96'
6/23/2021	113	0.90'
6/23/2021	114	0.98'
6/23/2021	115	0.83'
6/23/2021	116	0.08'
6/25/2021	117	0.40'
6/25/2021	118	0.93'
6/25/2021	119	0.64'
6/25/2021	120	0.69'
6/25/2021	121	0.94'
6/25/2021	122	1.30'
6/25/2021	123	1.59'
6/28/2021	124	0.92'
6/28/2021	125	1.09'
6/28/2021	126	1.35'
6/28/2021	127	1.36'
6/28/2021	128	1.42'
6/28/2021	129	1.55'
6/29/2021	130	0.89'
6/29/2021	131	0.99'
6/29/2021	132	0.94'
6/29/2021	133	0.88'
6/29/2021	134	1.06'
6/29/2021	135	1.09'
6/29/2021	136	1.24'
6/29/2021	137	1.19'
6/30/2021	138	0.49'

Table 4. Water Level Readings

Date	Point #	Elevation
6/30/2021	139	0.65'
6/30/2021	140	0.74'
6/30/2021	141	0.88'
6/30/2021	142	0.74'
6/30/2021	143	0.98'
7/7/2021	144	0.79'
7/7/2021	145	0.90'
7/7/2021	146	0.95'
7/7/2021	147	0.95'
7/7/2021	148	0.68'
7/7/2021	149	0.71'
7/7/2021	150	0.52'
7/8/2021	151	0.98'
7/8/2021	152	1.11'
7/8/2021	153	1.05'
7/9/2021	154	0.52'
7/9/2021	155	0.75'
7/9/2021	156	0.74'
7/9/2021	157	1.07'
7/9/2021	158	1.20'
7/9/2021	159	1.16'
7/12/2021	160	0.36'
7/12/2021	161	0.74'
7/12/2021	162	0.87'
7/12/2021	163	1.03'
7/12/2021	164	0.85'
7/13/2021	165	0.23'
7/13/2021	166	0.40'
7/13/2021	167	0.34'
7/13/2021	168	0.57'

Table 4. Water Level Readings

Date	Point #	Elevation
7/13/2021	169	0.61'
7/13/2021	170	0.72'
7/13/2021	171	0.84'
7/13/2021	172	0.83'
7/14/2021	173	0.21'
7/14/2021	174	0.19'
7/14/2021	175	0.39'
7/14/2021	176	-0.11'
7/14/2021	177	0.13'
7/14/2021	178	0.22'
7/14/2021	179	0.36'
7/14/2021	180	0.27'
7/14/2021	181	0.30'
7/14/2021	182	0.37'
7/14/2021	183	0.61'
7/14/2021	184	0.70'
7/14/2021	185	0.76'
7/14/2021	186	0.76'
7/14/2021	187	0.72'
7/14/2021	188	0.78'
7/14/2021	189	0.78'
7/15/2021	190	0.55'
7/15/2021	191	0.61'
7/15/2021	192	0.45'
7/15/2021	193	0.56'
7/15/2021	194	0.68'
7/15/2021	195	0.28'
7/15/2021	196	0.77'
7/16/2021	197	0.49'
7/16/2021	198	0.65'

Table 4. Water Level Readings

Date	Point #	Elevation
7/16/2021	199	0.68'
7/16/2021	200	0.82'
7/16/2021	201	0.66'
7/19/2021	202	1.02'
7/19/2021	203	0.99'
7/19/2021	204	0.91'
7/19/2021	205	1.29'
7/19/2021	206	1.07'
7/19/2021	207	0.92'
7/19/2021	208	1.15'
7/19/2021	209	1.48'
7/19/2021	210	1.07'
7/19/2021	211	1.15'
7/19/2021	212	1.00'
7/22/2021	213	1.07'
7/22/2021	214	0.33'
7/22/2021	215	0.39'
7/22/2021	216	1.20'
7/22/2021	217	0.64'
7/22/2021	218	0.67'
7/22/2021	219	0.66'
7/22/2021	220	0.84'
7/22/2021	221	0.87'
7/22/2021	222	0.91'
7/26/2021	223	0.28'
7/26/2021	224	0.23'
7/26/2021	225	0.79'
7/26/2021	226	0.75'
7/26/2021	227	0.89'
7/26/2021	228	0.97'

Table 4. Water Level Readings

Date	Point #	Elevation
7/27/2021	229	0.26'
7/27/2021	230	0.38'
7/27/2021	231	0.36'
7/27/2021	232	0.64'
7/27/2021	233	0.57'
7/28/2021	234	0.28'
7/28/2021	235	0.41'
7/28/2021	236	0.35'
7/28/2021	237	0.36'
7/28/2021	238	0.57'
7/28/2021	239	0.38'
7/28/2021	240	0.41'
7/29/2021	241	0.57'
7/29/2021	242	0.68'
7/29/2021	243	0.63'
7/29/2021	244	0.57'
7/29/2021	245	0.49'
7/29/2021	246	0.38'
7/30/2021	247	0.40'
7/30/2021	248	0.36'
7/30/2021	249	0.13'
7/30/2021	250	0.22'
8/4/2021	251	0.62'
8/4/2021	252	0.49'
8/4/2021	253	0.56'
8/4/2021	254	0.70'
8/4/2021	255	0.49'
8/4/2021	256	0.50'
8/4/2021	257	0.34'
8/5/2021	258	0.28'

Table 4. Water Level Readings

Date	Point #	Elevation
8/5/2021	259	0.40'
8/5/2021	260	0.58'
8/5/2021	261	0.67'
8/5/2021	262	0.68'
10/19/2021	263	0.16'
10/26/2021	264	0.50'
10/27/2021	265	1.59'
11/1/2021	266	0.13'
11/1/2021	267	0.13'
11/1/2021	268	0.09'
11/2/2021	269	0.18'
11/2/2021	270	0.11'
11/3/2021	271	-0.17'
11/3/2021	272	0.45'
11/8/2021	273	0.60'
11/8/2021	274	-0.22'
11/9/2021	275	-0.17'
11/9/2021	276	0.54'
11/9/2021	277	0.12'
11/10/2021	278	1.02'
11/10/2021	279	0.17'
11/11/2021	280	0.22'
11/11/2021	281	0.63'
11/29/2021	282	0.05'
11/29/2021	283	0.10'
11/30/2021	284	0.27'
11/30/2021	285	0.28'
12/1/2021	286	-0.04'
12/1/2021	287	0.33'
12/2/2021	288	-0.07'

Table 4. Water Level Readings

Date	Point #	Elevation
12/2/2021	289	0.09'
12/15/2021	290	-0.18'
12/15/2021	291	-0.04'
12/16/2021	292	0.32'
12/16/2021	293	-0.07'
1/12/2022	294	-0.43'
1/12/2022	295	-0.23'
1/13/2022	296	-0.45'
1/13/2022	297	0.02'
1/18/2022	298	-0.79'
1/18/2022	299	-0.62'
2/10/2022	300	-0.73'
2/15/2022	301	-0.32'
2/15/2022	302	-1.10'
2/16/2022	303	-0.44'
2/16/2022	304	-0.13'
2/23/2022	305	-0.11'
2/23/2022	306	0.68'
3/3/2022	307	-0.11'
3/3/2022	308	-0.22'
4/26/22	309	0.34'
4/26/22	310	0.62'
4/27/22	311	-0.10'
4/27/22	312	0.52'
4/28/22	313	0.76'
4/28/22	314	0.93'
5/2/22	315	0.95'
5/2/22	316	1.61'
5/3/22	317	1.01'
5/3/22	318	1.31'

Table 5. Magnetometer Targets (Access Channel)

Point #	Northing	Easting	Description
55000	272736.100	3639506.500	30' Water - Outside Limits
55001	273218.400	3638723.200	22' Water
55002	273629.800	3637808.900	CPU #19821152 - 18' Water - Outside Limits
55003	273670.400	3637683.500	20' Water
55004	273678.400	3637634.600	CPU #20081332 - 20' Water
55005	273775.700	3637700.000	20' Water
55006	273935.900	3637602.600	21' Water
55007	273796.100	3637346.600	10' Water
55008	273667.600	3637124.900	14' Water
55009	273738.600	3636753.400	16' Water
55010	273840.000	3636732.300	13' Water - Outside Limits
55011	273840.000	3636732.300	Duplicate Point # 55055
55012	273545.700	3636418.800	15' Water
55013	273629.200	3636100.700	13' Water
55014	273607.700	3635808.900	13' Water
55015	273635.000	3635407.800	14' Water - Outside Limits
55016	273518.500	3635410.400	13' Water
55017	273349.700	3635430.600	CPU #20141157 - 13' Water - Outside Limits
55018	273507.800	3635364.700	12' Water
55019	273317.000	3635233.700	12' Water - Outside Limits
55020	273304.700	3635158.900	12' Water - Outside Limits
55021	273480.800	3635154.500	CPU #20081194 - 12' Water
55022	273578.400	3635121.600	13' Water - Outside Limits
55023	273443.800	3634986.600	CPU #19951378 - 13' Water
55024	273545.200	3634960.600	CPU #19951378 - 13' Water
55025	273437.700	3634938.300	12' Water
55026	273531.400	3634898.300	13' Water
55027	273430.700	3634869.800	12' Water
55028	273524.000	3634859.600	13' Water
55029	273247.200	3634855.800	CPU #20081194 - 12' Water

Table 5. Magnetometer Targets (Access Channel)

Point #	Northing	Easting	Description
55030	273239.900	3634706.100	CPU #20010391 - 12' Water
55031	273509.800	3634686.400	CPU #19961342 - 12' Water
55032	273358.400	3634404.200	CPU #19961342 - 13' Water
55033	273343.400	3634292.800	13' Water
55034	273446.600	3634251.900	CPU #20131688 - 10' Water - Outside Limits
55035	273425.200	3633981.500	CPU #20051431 - 11' Water
55036	273302.500	3633904.400	CPU #20051431 - 12' Water
55037	273110.800	3633831.000	CPU #19890251 - 12' Water - Outside Limits
55038	273282.000	3633797.300	CPU #19890251 - 12' Water
55039	273383.500	3633750.800	12' Water - Outside Limits
55040	273356.000	3633536.700	10' Water
55041	273220.000	3633380.000	12' Water
55042	273082.400	3633351.600	CPU #20120691 - 12' Water
55043	273075.300	3633121.100	CPU #20081047 - 12' Water
55044	273055.700	3633016.500	CPU #20151236 - 13' Water
55045	273039.600	3632807.500	CPU #19940510 - 14' Water
55046	273274.600	3632786.000	CPU #19940510 - 15' Water
55047	273031.100	3632750.600	16' Water
55048	273180.000	3632723.000	16' Water
55049	273262.000	3632706.900	CPU #19930021 - 16' Water
55050	273244.900	3632570.200	CPU #20081501 - 19' Water
55051	272963.300	3632537.100	CPU #20081501 - 19' Water
55052	272909.400	3632192.500	CPU #20140780 - 18' Water - Outside Limits
55053	272405.700	3628976.800	CPU #20121433 - 16' Water - Outside Limits
55054	272650.200	3628457.600	Enlink Pipeline (Did not Probe - Over 19' Water)
55055	272366.300	3628430.000	Enlink Pipeline (Did not Probe - Over 19' Water)
55056	272165.100	3627120.400	CPU #20121433 - 18' Water - Outside Limits
55057	272136.600	3626949.900	CPU #20121433 - 18' Water - Outside Limits
55058	275061.700	3624765.700	18' Water - Outside Limits
55059	275350.900	3625192.600	5' Water

Table 5. Magnetometer Targets (Access Channel)

Point #	Northing	Easting	Description
55060	275779.900	3625211.100	11' Water
55061	275822.200	3625302.600	11' Water - Outside Limits
55062	275841.900	3625305.800	11' Water - Outside Limits
55063	275880.300	3624929.500	15' Water - Outside Limits
55064	275973.000	3625327.400	11' Water - Outside Limits
55065	276480.300	3625166.400	10' Water - Outside Limits
55066	276500.500	3625209.100	10' Water - Outside Limits
55067	276415.600	3625550.100	16' Water
55068	277283.800	3625889.000	14' Water
55069	280828.900	3623592.900	17' Water - Outside Limits
55070	281299.500	3623502.200	13' Water
55071	281379.800	3623482.200	13' Water
55072	281453.100	3623440.800	13' Water
55073	282145.500	3622483.400	13' Water
55074	282562.400	3621415.300	11' Water
55075	282960.800	3621049.500	7' Water - Outside Limits
55076	282968.700	3621038.700	7' Water - Outside Limits
55077	285339.500	3619477.700	Unknown Pipeline (Did not Probe - Over 12' Water)
55078	285497.100	3619662.300	Unknown Pipeline (Did not Probe - Over 12' Water)
55079	285568.300	3619771.700	Unknown Pipeline (Did not Probe - Over 12' Water)
55080	286503.600	3618521.200	9' Water
55081	286621.300	3617868.300	10' Water - Outside Limits
55082	288172.400	3615589.000	11' Water - Outside Limits
55083	288172.400	3615589.000	Duplicate Point # 55082
55084	288978.900	3615289.300	2' Water - Outside Limits
55085	289284.800	3615106.400	10' Water
55086	290711.900	3615073.400	10' Water - Outside Limits
55087	291028.000	3614815.700	11' Water - Outside Limits

Table 5. Magnetometer Targets (Access Channel)

Point #	Northing	Easting	Description
55088	291185.500	3615166.700	13' Water - Outside Limits
55089	292024.900	3615174.400	11' Water
55090	293097.600	3614412.900	13' Water - Outside Limits
55091	294722.400	3614062.600	14' Water
55092	296830.300	3612031.500	10' Water
55093	297708.800	3611000.100	13' Water
55094	298435.000	3610383.700	12' Water
55095	299035.400	3610227.400	12' Water
55096	300526.500	3608706.500	13' Water - Outside Limits
55097	301314.800	3608323.200	10' Water
55098	302197.500	3607842.200	10' Water
55099	302899.000	3607196.200	9' Water
55100	303219.800	3607062.300	3' Water - Outside Limits
55101	303376.700	3606672.700	9' Water
55102	303750.200	3606259.200	9' Water
55103	304210.000	3605796.800	10' Water
55104	304333.200	3605214.400	Kinetica Energy (Did not Probe - Over 8' Water)
55105	304476.100	3605125.200	Discovery Gas (Did not Probe - Over 8' Water)
55106	304617.300	3605105.700	Kinetica Energy (Did not Probe - Over 8' Water)
55107	304633.800	3605071.600	Discovery Gas (Did not Probe - Over 8' Water)
55108	304718.400	3604659.000	8' Water
55109	304936.700	3604422.100	6' Water - Nothing found with probe
55110	305159.300	3604373.300	3' Water - Nothing found with probe
55111	305167.300	3604366.000	3' Water - Nothing found with probe
55112	305389.400	3603842.700	8' Water
55113	305896.300	3603142.700	6' Water - Nothing found with probe
55114	305958.400	3603186.700	6' Water - Nothing found with probe
55115	306678.900	3603430.000	11' Water - Outside Limits
55116	306919.700	3603531.800	14' Water - Outside Limits

Table 5. Magnetometer Targets (Access Channel)

Point #	Northing	Easting	Description
55117	306947.800	3603546.400	14' Water - Outside Limits
55118	307064.300	3604214.000	Discovery Gas (Did not Probe - Over 12' Water)
55119	307378.100	3604133.700	Discovery Gas (Did not Probe - Over 12' Water)
55120	307068.600	3604268.700	Kinetica Energy (Did not Probe - Over 12' Water)
55121	307217.600	3604226.100	Kinetica Energy (Did not Probe - Over 12' Water)
55122	307210.600	3604532.600	14' Water
55123	307130.600	3604674.200	10' Water
55124	307257.200	3604682.200	13' Water - Outside Limits
55125	307324.900	3604835.100	10' Water
55126	308203.700	3604516.800	9' Water - Outside Limits
55127	308917.600	3604199.700	Chevron Pipeline (Did not Probe - Over 11' Water)
55128	308917.600	3604199.700	Duplicate Point # 55127
55129	309019.400	3604294.300	Chevron Pipeline (Did not Probe - Over 11' Water)
55130	309107.600	3604391.300	Chevron Pipeline (Did not Probe - Over 11' Water)
55131	309420.000	3604130.200	11' Water
55132	309544.500	3604080.500	11' Water
55133	309777.100	3603984.200	10' Water
55134	310122.800	3604125.700	3' Water - Outside Limits
55135	310122.800	3604125.700	Duplicate Point # 55134
55136	310130.700	3603878.400	13' Water
55137	310289.800	3603674.100	16' Water - Outside Limits
55138	311776.000	3603702.300	15' Water - Outside Limits
55139	312569.800	3603733.300	12' Water - Outside Limits
55140	313573.200	3603831.700	4' Water - Outside Limits
55141	315317.600	3603968.400	3' Water - Outside Limits
55142	315684.500	3603824.600	9' Water - Outside Limits
55143	315768.800	3603595.000	15' Water
55144	316084.600	3603387.600	CPU #19971634 - 14' Water - Outside Limits

Table 5. Magnetometer Targets (Access Channel)

Point #	Northing	Easting	Description
55145	316417.400	3603557.000	Columbia Pipeline (Did not Probe - Over 17' Water)
55146	316493.800	3603423.100	Columbia Pipeline (Did not Probe - Over 17' Water)
55147	316577.200	3603261.900	Columbia Pipeline (Did not Probe - Over 17' Water)
55148	316555.400	3603545.000	Enterprise Pipeline (Did not Probe - Over 20' Water)
55149	316692.100	3603280.000	Enterprise Pipeline (Did not Probe - Over 20' Water)
55150	316665.700	3603544.300	Gulf South Pipeline (Did not Probe - Over 22' Water)
55151	316753.400	3603409.900	Gulf South Pipeline (Did not Probe - Over 22' Water)
55152	316834.600	3603267.900	Gulf South Pipeline (Did not Probe - Over 22' Water)
55153	316884.600	3603514.700	Enlink Pipeline (Did not Probe - Over 15' Water)
55154	316929.100	3603393.700	Enlink Pipeline (Did not Probe - Over 15' Water)
55155	317172.100	3603369.900	14' Water
55156	317214.500	3603251.300	13' Water - Outside Limits
55157	317716.100	3603393.300	6' Water - Outside Limits
55158	317571.500	3603045.000	11' Water - Outside Limits
55159	317893.100	3602982.600	Unknown Pipeline (Did not Probe - Over 13' Water)
55160	317953.300	3603062.500	Unknown Pipeline (Did not Probe - Over 13' Water)
55161	318072.400	3602755.400	12' Water
55162	318452.900	3602623.300	13' Water
55163	319016.300	3602512.400	7' Water - Probed Metal Object - Not Pipeline
55164	319060.200	3602559.400	6' Water - Located Pipeline - Cut on both ends
55165	319372.500	3602383.500	6' Water - Outside Limits
55166	318607.600	3603750.700	6' Water - Located Pipeline - Continues both directions
55167	318897.500	3603874.800	6' Water - Metal object (Trash)
55168	318876.400	3603929.000	6' Water
55169	318709.000	3603909.000	CPU #20030477 - Pipeline located - Continues

Table 5. Magnetometer Targets (Access Channel)

Point #	Northing	Easting	Description
55170	318643.500	3604057.900	6' Water - Metal object (Trash) - Not Pipeline
55171	318610.300	3604120.800	6' Water - Metal object (Trash) - Not Pipeline
55172	318682.200	3604338.700	5' Water - Outside Limits
55173	318652.000	3604418.100	5' Water - Nothing found with probe
55174	318524.000	3604351.900	5' Water - Metal object (Trash) - Not Pipeline
55175	318337.500	3604252.100	5' Water - Nothing found with probe
55176	318562.900	3604597.000	6' Water - Outside Limits
55177	318526.300	3604648.500	6' Water - Outside Limits
55178	318091.400	3604837.000	5' Water - Outside Limits
55179	318109.900	3605512.800	5' Water - Outside Limits
55180	317613.600	3605888.600	5' Water - Metal object (Trash) - Not Pipeline
55181	317427.700	3606303.200	6' Water - Nothing found with probe
55182	317494.400	3606451.900	6' Water - Nothing found with probe
55183	317584.000	3606600.900	6' Water - Metal object (Trash) - Not Pipeline
55184	318311.800	3608445.000	6' Water - Nothing found with probe
55185	318335.100	3608703.100	6' Water - Nothing found with probe
55186	318335.900	3608826.000	6' Water - Nothing found with probe
55187	318586.200	3608681.800	6' Water - Metal object (Trash) - Not Pipeline
55188	318644.200	3608870.100	6' Water - Nothing found with probe
55189	318644.800	3609013.900	6' Water - Metal object (Trash) - Not Pipeline
55190	318686.300	3608742.600	6' Water - Metal object (Trash) - Not Pipeline
55191	318748.900	3608770.700	6' Water - Metal object (Trash) - Not Pipeline
55192	318727.000	3608919.400	6' Water - Located Pipeline - Cut on both ends
55193	318788.900	3608785.600	6' Water - Metal object (Trash) - Not Pipeline
55194	318785.600	3608959.700	6' Water - Metal object (Trash) - Not Pipeline
55195	318783.200	3609104.900	6' Water - Metal object (Trash from nearby platform)
55196	318829.200	3608802.400	6' Water - Outside Limits
55197	318841.600	3609000.500	CPU #20110432 - 6' Water
55198	318938.200	3609224.700	CPU #20110432 - 6' Water

Table 5. Magnetometer Targets (Access Channel)

Point #	Northing	Easting	Description
55199	318970.400	3609245.900	6' Water - Nothing found with probe
55200	319107.800	3609176.700	6' Water - Nothing found with probe
55201	319157.800	3609363.300	6' Water - Nothing found with probe
55202	319460.900	3609539.300	6' Water - Nothing found with probe
55203	320359.800	3610105.600	6' Water - Nothing found with probe
55204	320395.200	3609953.200	6' Water - Nothing found with probe
55205	320430.200	3609819.800	6' Water - Nothing found with probe
55206	320605.300	3610209.200	6' Water - Nothing found with probe
55207	320671.700	3610114.700	6' Water - Nothing found with probe
55208	320825.200	3610002.900	6' Water - Nothing found with probe
55209	320852.900	3610227.500	6' Water - Nothing found with probe
55210	320782.900	3610349.700	6' Water - Nothing found with probe
55211	321119.500	3610443.600	6' Water
55212	321172.900	3610428.100	6' Water

Table 6. Magnetometer Targets (Borrow 1)

Point #	Northing	Easting	Description
10009	315730.069	3606767.890	Nothing found
10010	315604.873	3606920.007	Nothing found
10011	316219.161	3607170.959	Junk
10012	316469.841	3607184.008	Junk
10013	316869.916	3607757.967	Nothing found
10014	316952.956	3608056.025	Solid metal object
10015	316899.930	3608873.906	Junk
10016	315274.934	3607316.066	Nothing found
10017	314931.081	3608269.116	Junk
10018	314981.153	3608297.019	Junk
10019	314965.033	3608445.936	Solid metal object
10020	314940.870	3608508.911	Solid metal object

Table 6. Magnetometer Targets (Borrow 1)

Point #	Northing	Easting	Description
10021	315149.007	3608724.943	Nothing found
10022	315135.952	3608323.983	Nothing found
10023	315044.835	3608261.087	Nothing found
10024	315036.060	3608417.901	Solid metal object
10025	315387.074	3610365.967	Junk
10026	315768.933	3609923.859	Junk
10027	316165.875	3610266.872	Junk
10028	316208.135	3609751.063	Nothing found
10029	316153.930	3609547.036	Nothing found
10030	316347.167	3609601.999	Nothing found
10031	316389.061	3609004.009	Nothing found
10032	316535.013	3609341.003	Nothing found
10033	316438.176	3609894.889	Nothing found
10034	316530.916	3610822.006	Located Pipeline - Cut on both ends
10035	316529.898	3610347.048	Nothing found
10036	316846.959	3609938.031	Junk
10037	316830.045	3609998.071	Nothing found
10038	316888.064	3609576.103	Nothing found
10039	316962.994	3609618.114	Nothing found
10040	317070.949	3609692.956	Nothing found
10041	317361.981	3609179.064	Nothing found
10042	317115.860	3611443.945	Junk
10043	317240.997	3611447.908	Nothing found
10044	317419.160	3611645.068	Nothing found
10045	317567.984	3611494.002	Nothing found
10046	315541.821	3608366.852	Nothing found
10047	315538.052	3608433.147	Junk
10048	315757.097	3608810.908	Solid metal object - 2'x24"
10049	315642.877	3609212.050	Junk

Table 7. Magnetometer Targets (Borrow 2)

Point #	Northing	Easting	Description
10000	321497.086	3609489.999	Located 3" Pipeline
10001	321519.083	3609751.936	Located 3" Pipeline
10002	321527.961	3609929.904	Located 3" Pipeline
10003	321533.863	3610060.123	Located 3" Pipeline - 0.2' Cover
10004	321548.885	3610112.860	Located 3" Pipeline - 0.2' Cover
10005	321600.869	3610312.098	Located 3" Pipeline - 0.2' Cover
10006	321680.828	3610628.932	Located 3" Pipeline - 0.4' Cover
10007	321735.821	3610838.970	Located 3" Pipeline - 0.1' Cover
10008	321795.154	3611046.102	Located 3" Pipeline - 2.9' Cover
10050	322364.909	3610753.018	Nothing found
10051	322309.918	3610704.147	Located 3" Pipeline - Exposed
10052	322244.156	3610912.089	Nothing found
10053	322176.028	3611019.087	Located 5' Piece of Pipe - Cut on both ends
10054	322136.051	3611062.128	Located metal object - Unidentified
10055	322017.097	3611058.109	Located metal object - Unidentified
10056	322064.038	3611021.055	Located pipeline continues in both directions
10057	322097.952	3610950.995	Side Scan Target
10058	322125.075	3610894.056	Located metal object - Unidentified
10059	322175.949	3610769.059	Nothing found
10060	322189.873	3610700.136	Solid metal object - 18" Under mud
10061	322133.846	3610737.908	Nothing found
10062	322162.026	3610677.137	Located 3" Pipeline
10063	322253.887	3610661.018	Located 3" Pipeline - Continues in both directions
10064	322201.886	3610621.038	Located 3" Pipeline
10065	322200.090	3610543.020	Nothing found
10066	322253.915	3610503.039	Located 3" Pipelines - On bottom - Each cut on both ends
10067	322257.981	3610590.910	Located 3" Pipelines - On bottom - Each cut on both ends
10068	322092.101	3610706.116	Located Pipeline - Cut on both ends
10069	322070.885	3610772.876	Located Pipeline - Continues in both directions

Table 7. Magnetometer Targets (Borrow 2)

Point #	Northing	Easting	Description
10070	322047.081	3610674.035	Located Pipeline - Cut on both ends
10071	322030.907	3610815.917	Located metal object - Unidentified
10072	321978.989	3610946.020	Located Pipeline - Continues in both directions
10073	321913.064	3610974.963	Nothing found
10074	321827.021	3610991.030	Located metal object - Unidentified
10075	321951.147	3610843.075	Located metal object - Unidentified
10076	321969.016	3610768.064	Located Pipeline - Exposed - Continues in both directions
10077	321899.158	3610884.951	Located metal object - Unidentified
10078	321832.121	3610831.092	Solid metal object - 3'x3'
10079	321919.999	3610816.920	Located Pipeline - Continues in both directions
10080	321914.849	3610730.014	Nothing found
10081	321940.155	3610673.091	Nothing found
10082	322010.982	3610582.950	Located 3" Pipeline - Continues in both directions
10083	322119.952	3610447.873	Solid metal object - Under mud
10084	322104.147	3610389.092	Nothing found
10085	322168.154	3610349.019	Located metal object - Unidentified
10086	322115.053	3610308.093	Located Pipeline - Exposed - Cut on both ends
10087	321950.958	3610178.030	Solid metal object - 6" x 6"
10088	321893.087	3610212.952	Located Pipeline - Cut on both ends
10089	321949.182	3610384.122	Nothing found
10090	321896.085	3610383.964	Nothing found
10091	321875.831	3610516.965	Nothing found
10092	321906.955	3610459.989	Nothing found - Oyster shells on bottom
10093	321864.961	3610440.940	Located Pipeline - Exposed - Cut on both ends
10094	321845.912	3610506.088	Nothing found
10095	321794.983	3610625.034	Nothing found
10096	321836.075	3610665.113	Located metal object - Unidentified
10097	321755.885	3610684.948	Nothing found
10098	321773.862	3610782.887	Solid metal object - 2' x 3"
10099	321762.841	3610529.134	Nothing found

Table 7. Magnetometer Targets (Borrow 2)

Point #	Northing	Easting	Description
10100	322001.885	3610219.932	Nothing found
10101	321989.017	3610123.859	Located metal object - Unidentified
10102	321908.827	3610063.110	Nothing found
10103	321879.111	3610114.977	Nothing found
10104	321854.956	3610097.995	Nothing found
10105	321832.865	3610067.936	Nothing found
10106	321822.002	3610073.130	Nothing found
10107	321820.914	3610154.042	Nothing found
10108	321802.851	3610127.131	Located Pipeline - Continues in both directions
10109	321819.116	3609995.122	Nothing found
10110	321748.821	3610104.049	Nothing found
10111	321678.832	3610126.021	Nothing found
10112	321655.058	3610272.113	Located Pipeline - Continues in both directions
10113	321727.964	3610251.071	Located metal object - Unidentified
10114	321808.143	3610229.962	Located Pipeline - Cut on both ends
10115	321773.051	3610371.061	Nothing found
10116	321698.043	3610401.041	Nothing found
10117	321737.113	3610337.941	Nothing found
10118	321718.848	3610490.036	Nothing found
10119	321722.043	3609997.908	Nothing found
10120	321459.029	3609948.044	Located Pipeline
10121	321430.939	3610019.007	Located Pipeline
10122	321065.637	3610924.660	Side Scan Target
10123	321015.912	3611096.153	Nothing found
10124	320736.116	3611120.981	Nothing found
10125	320673.877	3611075.041	Located Pipeline
10126	320789.944	3611001.050	Located metal object - Unidentified
10127	321254.033	3610966.911	Nothing found
10128	321293.085	3610901.899	Nothing found
10129	321293.177	3611072.940	Nothing found

Table 7. Magnetometer Targets (Borrow 2)

Point #	Northing	Easting	Description
10130	321460.100	3611073.022	Nothing found
10131	321684.892	3610998.049	Nothing found
10132	321743.938	3611093.068	Nothing found
10133	321868.068	3611066.146	Located piece of pipe - cut both ends (10')
10134	321898.143	3609805.851	Nothing found
10135	321811.080	3609708.854	Nothing found
10136	321608.128	3609746.037	Located Pipeline
10137	321769.970	3609706.995	Nothing found
10138	321641.025	3609683.950	Located Pipeline
10139	321787.168	3609638.041	Solid metal object - 2' x 3"
10140	321661.923	3609621.970	Nothing found
10141	321720.167	3609588.002	Located Pipeline
10142	321679.113	3609552.061	Nothing found
10143	321702.138	3609484.011	Nothing found
10144	321742.045	3609433.009	Nothing found
10145	321757.832	3609368.846	Nothing found
10146	322139.103	3610555.037	Metal object - Unable to size - Maybe very small piece of pipe
10147	322084.014	3610616.051	Nothing found
10148	321975.013	3610626.910	Located Pipeline - Cut on both ends
10149	322048.931	3610918.951	Located metal object - Unidentified
10150	322231.997	3610814.099	Located metal object - Unidentified
10151	322286.988	3610862.970	Located metal object - Unidentified
10152	322367.158	3610840.905	Located metal object - Unidentified
10153	320953.912	3610795.078	Nothing found
10154	321192.967	3610406.876	Crab cage
10155	321429.851	3610099.920	Located 3" Pipeline - Cut on both ends
10156	321382.970	3610063.077	Located 3" Pipeline - Cut on both ends
10157	321400.908	3610156.876	Nothing found
10158	321420.972	3610204.154	Nothing found

Table 7. Magnetometer Targets (Borrow 2)

Point #	Northing	Easting	Description
10159	321377.858	3610222.061	Located metal object - Unidentified
10160	321488.131	3610311.842	Nothing found
10161	321504.907	3610155.938	Nothing found
10162	321546.003	3610438.087	Nothing found
10163	321421.825	3610338.877	Nothing found
10164	321428.059	3610425.138	Nothing found
10165	321452.999	3610529.066	Nothing found
10166	321495.873	3610564.989	Located metal object - Unidentified
10167	321529.063	3610615.970	Solid metal object - 6"
10168	321550.080	3610688.082	Nothing found
10169	321587.838	3610640.920	Nothing found
10170	321621.163	3610747.002	Nothing found
10171	321548.994	3610608.146	Nothing found
10172	321551.152	3610524.995	Nothing found
10173	321427.030	3610593.004	Nothing found
10174	321434.132	3610734.996	Nothing found
10175	321351.909	3610529.980	Located metal object - Unidentified
10176	321261.139	3610546.088	Located metal object - Unidentified
10177	321220.136	3610515.881	Located metal object - Unidentified
10178	321267.026	3610795.114	Nothing found
10179	321171.050	3610557.095	Nothing found
10180	321071.910	3610974.928	Nothing found
10181	321037.835	3611027.155	Junk
10182	321048.131	3611120.069	Junk
10183	320898.011	3611087.983	Junk
10184	320833.110	3610787.889	Located Pipeline & Metal object - 6" - Below mud
10185	320871.163	3610733.078	Nothing found
10186	320914.004	3610684.913	Old iron grating? - 10'x3'
10187	320952.048	3610629.147	Located 3" Pipeline
10188	320998.153	3610579.997	Located 3" Pipeline

Table 7. Magnetometer Targets (Borrow 2)

Point #	Northing	Easting	Description
10189	321028.948	3610526.845	Located 3" Pipeline
10190	321068.857	3610476.159	Located 3" Pipeline
10191	321124.889	3610439.024	Located 3" Pipeline
10192	321254.861	3610293.881	Nothing found
10193	321288.877	3610234.968	Nothing found
10194	321275.992	3610136.981	Nothing found
10195	321209.454	3610782.575	Side Scan Target
10196	321259.264	3610620.319	Side Scan Target
10197	321338.682	3610555.262	Side Scan Target
10198	321188.274	3610531.458	Side Scan Target
10199	321365.313	3610483.993	Side Scan Target
10200	321354.832	3610973.962	Side Scan Target
10201	321128.157	3610398.224	Side Scan Target
10202	321146.892	3610419.077	Side Scan Target
10203	321065.637	3610924.660	Side Scan Target
10204	320917.314	3610809.742	Side Scan Target
10205	320895.765	3610960.277	Side Scan Target
10206	320862.589	3611031.607	Side Scan Target
10207	321967.827	3609830.704	Side Scan Target
10208	322270.977	3610700.996	Side Scan Target
10209	322189.567	3610827.223	Side Scan Target
10210	322201.807	3610974.262	Side Scan Target
10211	322169.049	3610930.923	Located metal object - Unidentified
10212	322253.985	3610953.406	Side Scan Target
10213	322304.612	3610760.889	Side Scan Target
10214	322350.906	3610772.892	Side Scan Target
10215	321947.441	3610312.154	Side Scan Target
10216	321775.758	3610106.991	Side Scan Target
10217	321838.594	3609573.876	Side Scan Target
10218	321599.412	3609626.356	Side Scan Target

Table 7. Magnetometer Targets (Borrow 2)

Point #	Northing	Easting	Description
10219	321676.870	3609666.427	Side Scan Target
10220	321629.914	3609580.852	Side Scan Target
10221	321597.870	3609899.015	Nothing found
10222	321642.443	3609841.281	Side Scan Target
10223	321595.000	3609984.084	Metal trash - Could not get good probe hit
10224	321750.668	3610429.550	Side Scan Target
10225	321763.267	3610576.270	Side Scan Target
10226	321738.247	3610624.591	Side Scan Target
10227	321625.550	3610870.226	Side Scan Target
10228	321574.567	3611023.254	Side Scan Target
10229	321598.581	3611064.762	Side Scan Target
10230	321226.308	3610957.287	Side Scan Target
10231	320742.770	3611012.306	Side Scan Target
10232	321333.964	3610354.959	Nothing found
10233	321309.863	3610344.029	Located 3" Pipeline
10234	321281.103	3610380.917	Junk
10235	321348.916	3610279.018	Solid metal object - 6" - Below mud
10236	321333.196	3610028.170	Side Scan Target
10237	321384.219	3609919.416	Side Scan Target
10238	321449.762	3610895.067	Side Scan Target
10239	321685.123	3611385.038	Located metal object - Unidentified
10240	321430.902	3611423.014	Nothing found
10241	321066.928	3611468.993	Located metal object - Unidentified
10242	322038.018	3609185.093	Located piece of 3" pipe - cut on each end (3') 1.8' Cover
10243	322359.071	3610146.956	Located piece of 3" pipe - cut on each end (3')
10244	322510.865	3610404.848	Located metal object - Unidentified
10245	321862.889	3610935.922	Nothing found
10246	322052.838	3611230.098	Located metal object - Unidentified
10247	321790.026	3611202.856	Located piece of pipeline - cut on each end (3')

Table 8. Magnetometer Targets (MCA 1)

Point #	Northing	Easting	Description
51000	321490.600	3613819.100	Single Hit - Not Investigated
51001	321489.600	3613415.900	Single Hit - Not Investigated
51002	321472.100	3613396.700	Single Hit - Not Investigated
51003	321452.400	3614128.700	Single Hit - Not Investigated
51004	321409.400	3614080.700	Single Hit - Not Investigated
51005	321396.200	3614066.000	Single Hit - Not Investigated
51006	321386.800	3613302.600	Single Hit - Not Investigated
51007	321386.200	3613285.300	Single Hit - Not Investigated
51008	321337.000	3612943.900	Single Hit - Not Investigated
51009	321298.500	3614329.500	Single Hit - Not Investigated
51010	321286.000	3612705.800	Single Hit - Not Investigated
51011	321276.100	3613215.200	Single Hit - Not Investigated
51012	321265.200	3614287.600	Single Hit - Not Investigated
51013	321262.900	3614287.200	Single Hit - Not Investigated
51014	321252.300	3614080.800	Exposed Pipe - Running on Marsh (Owner Unknown)
51015	321192.400	3612485.500	Single Hit - Not Investigated
51016	321178.800	3613174.600	Single Hit - Not Investigated
51017	321160.600	3614165.400	Single Hit - Not Investigated
51018	321153.100	3614454.400	Single Hit - Not Investigated
51019	321150.100	3614176.600	Single Hit - Not Investigated
51020	321143.400	3614445.500	Single Hit - Not Investigated
51021	321129.000	3614010.800	Exposed Pipe - Running on Marsh (Owner Unknown)
51022	321115.500	3614420.000	±4.4' Mud Cover (Texas Petroleum Pipeline)
51023	321082.600	3614083.300	±3.8' Mud Cover (Texas Petroleum Pipeline)
51024	321078.300	3612018.300	±0.4' Mud Cover (Texas Petroleum Pipeline)
51025	321077.800	3614066.900	±3.8' Mud Cover (Texas Petroleum Pipeline)
51026	321075.200	3614246.800	±3.6' Mud Cover (Texas Petroleum Pipeline)
51027	321066.400	3612255.800	±1.9' Mud Cover (Texas Petroleum Pipeline)
51028	321056.700	3613332.000	±4.2' Mud Cover (Texas Petroleum Pipeline)

Table 8. Magnetometer Targets (MCA 1)

Point #	Northing	Easting	Description
51029	321054.700	3614364.300	±3.6' Mud Cover (Texas Petroleum Pipeline)
51030	321054.300	3613684.700	±4.0' Mud Cover (Texas Petroleum Pipeline)
51031	321041.200	3613707.200	±4.0' Mud Cover (Texas Petroleum Pipeline)
51032	321039.300	3611969.100	±0.4' Mud Cover (Texas Petroleum Pipeline)
51033	321036.800	3612267.900	±2.0' Mud Cover (Texas Petroleum Pipeline)
51034	321034.300	3612183.500	±1.4' Mud Cover (Texas Petroleum Pipeline)
51035	321033.600	3612195.700	±1.5' Mud Cover (Texas Petroleum Pipeline)
51036	321032.700	3612234.800	±1.7' Mud Cover (Texas Petroleum Pipeline)
51037	321032.200	3612584.300	±3.8' Mud Cover (Texas Petroleum Pipeline)
51038	321025.800	3613415.800	±4.2' Mud Cover (Texas Petroleum Pipeline)
51039	321023.900	3614168.500	Nothing found with MAG - Not Pipeline
51040	321021.000	3612242.100	±1.7' Mud Cover (Texas Petroleum Pipeline)
51041	321017.700	3614010.700	Single Hit - Not Investigated
51042	321015.800	3613993.000	Single Hit - Not Investigated
51043	321012.800	3612247.200	±1.7' Mud Cover (Texas Petroleum Pipeline)
51044	321004.600	3614388.400	±1.9' Mud Cover (Texas Petroleum Pipeline)
51045	321001.000	3612254.600	Nothing found with MAG - Not Pipeline
51046	320999.100	3612255.700	Nothing found with MAG - Not Pipeline
51047	320990.600	3614358.600	±2.0' Mud Cover (Pipeline - Owner Unknown)
51048	320984.500	3614331.800	±2.0' Mud Cover (Pipeline - Owner Unknown)
51049	320980.800	3614233.200	Nothing found with MAG - Not Pipeline
51050	320979.400	3613335.800	Single Hit - Not Investigated
51051	320978.300	3613244.100	Single Hit - Not Investigated
51052	320974.000	3612271.400	Nothing found with MAG - Not Pipeline
51053	320964.000	3614281.300	Nothing found with MAG - Not Pipeline
51054	320962.400	3612025.000	Single Hit - Not Investigated
51055	320951.600	3612285.300	Probed Metal Object (Trash) - Not Pipeline
51056	320935.500	3614297.200	±2.3' Mud Cover (Pipeline - Owner Unknown)
51057	320934.700	3614308.200	±2.3' Mud Cover (Pipeline - Owner Unknown)
51058	320931.500	3612297.800	Nothing found with MAG - Not Pipeline

Table 8. Magnetometer Targets (MCA 1)

Point #	Northing	Easting	Description
51059	320929.500	3614310.200	±2.3' Mud Cover (Pipeline - Owner Unknown)
51060	320925.100	3613907.000	Exposed Pipe - Running on Marsh (Owner Unknown)
51061	320886.500	3614287.400	±3.4' Mud Cover (Pipeline - Owner Unknown)
51062	320870.800	3614195.100	Nothing found with MAG - Not Pipeline
51063	320853.100	3614090.300	Nothing found with MAG - Not Pipeline
51064	320848.000	3614175.100	Nothing found with MAG - Not Pipeline
51065	320847.700	3611980.700	Broken Pieces of Pipe (Trash)
51066	320841.400	3611968.800	Broken Pieces of Pipe (Trash)
51067	320835.000	3612357.900	Single Hit - Not Investigated
51068	320816.200	3613785.100	Single Hit - Not Investigated
51069	320780.000	3613844.500	Exposed Pipe - Running on Marsh (Owner Unknown)
51070	320776.800	3613458.300	Single Hit - Not Investigated
51071	320764.500	3613568.000	Nothing found with MAG - Not Pipeline
51072	320758.300	3613531.800	Nothing found with MAG - Not Pipeline
51073	320753.400	3613502.800	Nothing found with MAG - Not Pipeline
51074	320733.800	3613386.900	Nothing found with MAG - Not Pipeline
51075	320725.100	3613336.000	Nothing found with MAG - Not Pipeline
51076	320719.500	3613302.700	Nothing found with MAG - Not Pipeline
51077	320603.800	3612670.700	Single Hit - Not Investigated
51078	320582.300	3612414.000	Broken Pipeline (One End Cut)
51079	320578.600	3612472.300	Broken Pipeline (One End Cut)
51080	320574.200	3612313.600	Broken Pieces of Pipe (Trash)
51081	320573.300	3612310.600	Broken Pieces of Pipe (Trash)
51082	320572.700	3612294.900	Broken Pieces of Pipe (Trash)
51083	320571.300	3612429.300	Broken Pipeline (One End Cut)
51084	320547.200	3612286.800	Broken Pieces of Pipe (Trash)
51085	320516.800	3612330.500	Broken Pieces of Pipe (Trash)
51086	320487.900	3612760.500	Single Hit - Not Investigated
51087	320469.100	3613396.500	Single Hit - Not Investigated

Table 8. Magnetometer Targets (MCA 1)

Point #	Northing	Easting	Description
51088	320414.100	3612826.800	Single Hit - Not Investigated
51089	320380.800	3612573.400	Broken Pieces of Pipe (Trash)
51090	320373.900	3612925.900	Single Hit - Not Investigated
51091	320370.100	3612946.400	Single Hit - Not Investigated
51092	320352.100	3612585.000	Broken Pieces of Pipe (Trash)
51093	320350.500	3612604.600	Broken Pieces of Pipe (Trash)
51094	320330.700	3613560.900	Exposed Pipe - Running on Marsh (Owner Unknown)
51095	320319.900	3612581.800	Broken Pieces of Pipe (Trash)
51096	320238.400	3613518.500	Exposed Pipe - Running on Marsh (Owner Unknown)
51097	320216.100	3613053.400	Nothing found with MAG - Not Pipeline
51098	320199.700	3612553.800	Single Hit - Not Investigated
51099	320177.400	3613070.000	Exposed Pipe - Running on Marsh (Owner Unknown)
51100	320167.300	3613552.000	Single Hit - Not Investigated
51101	320149.100	3613124.300	Nothing found with MAG - Not Pipeline
51102	320146.800	3613416.200	Probed Metal Object (Trash) - Not Pipeline
51103	320140.900	3613424.400	Probed Metal Object (Trash) - Not Pipeline
51104	320138.600	3613073.900	Pipeline Crossing
51105	320134.000	3613413.500	Probed Metal Object (Trash) - Not Pipeline
51106	320133.200	3613412.400	Probed Metal Object (Trash) - Not Pipeline
51107	320123.300	3613396.900	Probed Metal Object (Trash) - Not Pipeline
51108	320122.700	3613116.100	Nothing found with MAG - Not Pipeline
51109	320111.300	3613378.100	Nothing found with MAG - Not Pipeline
51110	320086.000	3613338.600	Nothing found with MAG - Not Pipeline
51111	320073.400	3613318.800	Nothing found with MAG - Not Pipeline
51112	320069.900	3613313.300	Nothing found with MAG - Not Pipeline

Table 9. Magnetometer Targets (MCA 2)

Point #	Northing	Easting	Description
52000	318394.300	3612214.200	Single Hit - Not Investigated
52001	318148.200	3612717.500	Nothing found with MAG - Not Pipeline
52002	318086.000	3612564.400	Nothing found with MAG - Not Pipeline
52003	318081.100	3612570.100	Nothing found with MAG - Not Pipeline
52004	318080.400	3612682.300	Nothing found with MAG - Not Pipeline
52005	318069.700	3612583.700	Nothing found with MAG - Not Pipeline
52006	318055.600	3612600.600	Nothing found with MAG - Not Pipeline
52007	318055.400	3612704.100	Nothing found with MAG - Not Pipeline
52008	318000.200	3612242.400	Single Hit - Not Investigated
52009	317952.600	3612239.200	Single Hit - Not Investigated
52010	317862.900	3612621.800	Nothing found with MAG - Not Pipeline
52011	317815.200	3612246.400	Single Hit - Not Investigated
52012	317764.100	3612588.600	Nothing found with MAG - Not Pipeline
52013	317617.300	3612360.500	Single Hit - Not Investigated
52014	317610.100	3612536.900	Nothing found with MAG - Not Pipeline
52015	317603.700	3612565.100	Nothing found with MAG - Not Pipeline
52016	317570.600	3613178.900	Exposed Pipe (Owner Unknown)
52017	317554.400	3612518.200	Nothing found with MAG - Not Pipeline
52018	317422.400	3612810.100	Single Hit - Not Investigated
52019	317332.900	3612198.300	Single Hit - Not Investigated
52020	317324.300	3613182.400	Exposed Pipe (Owner Unknown)
52021	317322.600	3612293.700	Single Hit - Not Investigated
52022	317260.800	3613548.200	Single Hit - Not Investigated
52023	317207.500	3613923.300	Single Hit - Not Investigated
52024	317039.800	3612925.800	Exposed Pipe (12" Chevron Pipeline)
52025	317030.900	3612866.300	Exposed Pipe (12" Chevron Pipeline)
52026	317018.100	3612404.100	Single Hit - Not Investigated
52027	316998.000	3612953.000	Exposed Pipe (12" Chevron Pipeline)
52028	316908.000	3612395.400	Single Hit - Not Investigated
52029	316860.700	3612285.400	±0.4' Mud Cover (Cut Pipeline - Owner Unknown)

Table 9. Magnetometer Targets (MCA 2)

Point #	Northing	Easting	Description
52030	316807.300	3612694.300	Exposed Pipe (12" Chevron Pipeline)
52031	316576.700	3612306.500	±0.2' Mud Cover (Cut Pipeline - Owner Unknown)
52032	316568.800	3612449.000	±0.9' Mud Cover (12" Chevron Pipeline)
52033	316564.400	3612368.000	±1.1' Mud Cover (12" Chevron Pipeline)
52034	316555.200	3612660.400	Single Hit - Not Investigated
52035	316512.200	3612940.800	Nothing found with MAG - Not Pipeline
52036	316504.100	3613617.100	±0.7' Mud Cover (Cut Pipeline - Owner Unknown)
52037	316470.900	3612393.400	±1.4' Mud Cover (Cut Pipeline - Owner Unknown)
52038	316449.800	3612326.400	±1.6' Mud Cover (12" Chevron Pipeline)
52039	316365.700	3612060.200	±2.4' Mud Cover (12" Chevron Pipeline)
52040	316346.400	3612072.600	±2.4' Mud Cover (12" Chevron Pipeline)
52041	316334.200	3612108.800	±2.4' Mud Cover (12" Chevron Pipeline)
52042	316312.000	3612130.800	±2.4' Mud Cover (12" Chevron Pipeline)
52043	316290.300	3612094.000	±2.4' Mud Cover (12" Chevron Pipeline)
52044	316280.600	3612057.700	±2.4' Mud Cover (12" Chevron Pipeline)
52045	316249.700	3612978.400	Nothing found with MAG - Not Pipeline
52046	316230.300	3612981.200	Nothing found with MAG - Not Pipeline
52047	316219.000	3612070.100	±2.4' Mud Cover (12" Chevron Pipeline)
52048	316205.300	3612984.800	Nothing found with MAG - Not Pipeline
52049	316182.900	3612988.000	Nothing found with MAG - Not Pipeline
52050	316139.000	3612064.500	±2.4' Mud Cover (12" Chevron Pipeline)
52051	316021.900	3612095.600	Single Hit - Not Investigated
52052	315996.400	3613014.800	Nothing found with MAG - Not Pipeline
52053	315947.700	3613021.800	Nothing found with MAG - Not Pipeline
52054	315936.300	3612106.000	Single Hit - Not Investigated
52055	315779.600	3613045.900	Nothing found with MAG - Not Pipeline
52056	315740.800	3612089.900	Single Hit - Not Investigated
52057	315732.200	3612083.300	Single Hit - Not Investigated
52058	315682.600	3612081.000	Single Hit - Not Investigated
52059	315682.100	3612085.800	Single Hit - Not Investigated

Table 9. Magnetometer Targets (MCA 2)

Point #	Northing	Easting	Description
52060	315637.300	3613061.300	Exposed Pipe (Cut Pipeline - Owner Unknown)
52061	315628.700	3612064.000	Single Hit - Not Investigated
52062	315612.900	3612296.400	Nothing found with MAG - Not Pipeline
52063	315612.200	3612306.900	Nothing found with MAG - Not Pipeline
52064	315598.500	3612028.400	Single Hit - Not Investigated
52065	315596.600	3612066.200	Single Hit - Not Investigated
52066	315574.000	3612507.400	Nothing found with MAG - Not Pipeline
52067	315569.600	3612594.100	Nothing found with MAG - Not Pipeline
52068	315569.100	3612604.100	Nothing found with MAG - Not Pipeline
52069	315562.500	3611989.600	Single Hit - Not Investigated
52070	315561.400	3612754.100	Nothing found with MAG - Not Pipeline
52071	315559.000	3612802.200	Nothing found with MAG - Not Pipeline
52072	315558.200	3611990.900	Single Hit - Not Investigated
52073	315131.900	3612428.500	Exposed Pipe (Cut Pipeline - Owner Unknown)
52074	315128.000	3612469.200	Exposed Pipe (Cut Pipeline - Owner Unknown)
52075	315125.000	3612499.800	Exposed Pipe (Cut Pipeline - Owner Unknown)
52076	315119.800	3612553.200	Exposed Pipe (Cut Pipeline - Owner Unknown)

Table 10. Magnetometer Targets (MCA 3)

Point #	Northing	Easting	Description
53000	315307.600	3611190.500	Nothing found with MAG - Not Pipeline
53001	315283.500	3611175.900	Nothing found with MAG - Not Pipeline
53002	315237.700	3611148.200	Nothing found with MAG - Not Pipeline
53003	315211.200	3611132.100	Nothing found with MAG - Not Pipeline
53004	315199.500	3611522.600	Single Hit - Not Investigated
53005	315170.000	3611196.700	Nothing found with MAG - Not Pipeline
53006	315129.800	3611131.200	Nothing found with MAG - Not Pipeline
53007	315129.500	3611082.600	Nothing found with MAG - Not Pipeline
53008	315117.200	3611110.600	Nothing found with MAG - Not Pipeline

Table 10. Magnetometer Targets (MCA 3)

Point #	Northing	Easting	Description
53009	315098.200	3611063.600	Nothing found with MAG - Not Pipeline
53010	315073.800	3611048.800	Nothing found with MAG - Not Pipeline
53011	315064.200	3611024.000	Nothing found with MAG - Not Pipeline
53012	315021.500	3610954.500	Nothing found with MAG - Not Pipeline
53013	314971.000	3610872.000	Nothing found with MAG - Not Pipeline
53014	314930.500	3611390.300	Single Hit - Not Investigated
53015	314901.100	3610757.900	Nothing found with MAG - Not Pipeline
53016	314877.400	3611310.500	Single Hit - Not Investigated
53017	314871.200	3610709.100	Nothing found with MAG - Not Pipeline
53018	314840.100	3611299.800	Single Hit - Not Investigated
53019	314830.600	3611341.200	Single Hit - Not Investigated
53020	314822.800	3611179.100	Single Hit - Not Investigated
53021	314800.400	3610788.300	Single Hit - Not Investigated
53022	314744.600	3610866.300	Single Hit - Not Investigated
53023	314641.500	3611076.100	Single Hit - Not Investigated
53024	314420.700	3610095.900	Exposed Pipe (12" Chevron Pipeline)
53025	314399.900	3611011.600	Single Hit - Not Investigated
53026	314218.900	3609872.600	Exposed Pipe (12" Chevron Pipeline)
53027	314173.400	3609431.300	Single Hit - Not Investigated
53028	314171.500	3609409.300	Single Hit - Not Investigated
53029	314155.000	3609215.700	Single Hit - Not Investigated
53030	314138.600	3609022.100	Single Hit - Not Investigated
53031	314137.300	3609007.200	Single Hit - Not Investigated
53032	314006.400	3608605.200	Single Hit - Not Investigated
53033	313876.500	3609515.600	±0.9' Mud Cover (12" Chevron Pipeline)
53034	313738.300	3609440.100	±1.5' Mud Cover (12" Chevron Pipeline)
53035	313619.200	3609235.400	±2.2' Mud Cover (12" Chevron Pipeline)

Table 11. Magnetometer Targets (MCA 4)

Point #	Northing	Easting	Description
54000	315462.300	3604956.400	Single Hit - Not Investigated
54001	315420.200	3604975.000	Single Hit - Not Investigated
54002	315404.900	3604981.700	Single Hit - Not Investigated
54003	315366.800	3604998.600	Single Hit - Not Investigated
54004	315364.400	3605129.200	Single Hit - Not Investigated
54005	315322.900	3605175.200	Single Hit - Not Investigated
54006	315312.900	3605188.600	Single Hit - Not Investigated
54007	314968.700	3605914.500	Nothing found with MAG - Not Pipeline
54008	314904.300	3606000.600	Nothing found with MAG - Not Pipeline
54009	314840.300	3606086.000	Nothing found with MAG - Not Pipeline
54010	314788.900	3606154.700	Nothing found with MAG - Not Pipeline
54011	314674.300	3606307.800	Nothing found with MAG - Not Pipeline
54012	314506.500	3606647.500	Nothing found with MAG - Not Pipeline
54013	314483.800	3606471.900	Nothing found with MAG - Not Pipeline
54014	314478.000	3606554.400	Nothing found with MAG - Not Pipeline
54015	314474.900	3606598.500	Nothing found with MAG - Not Pipeline
54016	314471.800	3606641.200	Nothing found with MAG - Not Pipeline
54017	314465.200	3606735.900	Nothing found with MAG - Not Pipeline
54018	314460.400	3606802.900	Nothing found with MAG - Not Pipeline
54019	314458.500	3606831.100	Nothing found with MAG - Not Pipeline
54020	314420.100	3606869.200	Nothing found with MAG - Not Pipeline
54021	314409.400	3606905.800	Nothing found with MAG - Not Pipeline
54022	314405.400	3606806.100	Nothing found with MAG - Not Pipeline
54023	314403.200	3606849.700	Nothing found with MAG - Not Pipeline
54024	314400.500	3606900.300	Nothing found with MAG - Not Pipeline
54025	314367.800	3606959.500	Nothing found with MAG - Not Pipeline
54026	314339.900	3606923.400	Nothing found with MAG - Not Pipeline
54027	314315.000	3607050.500	Nothing found with MAG - Not Pipeline
54028	314280.600	3607109.800	Nothing found with MAG - Not Pipeline
54029	314262.800	3606942.900	Nothing found with MAG - Not Pipeline

Table 11. Magnetometer Targets (MCA 4)

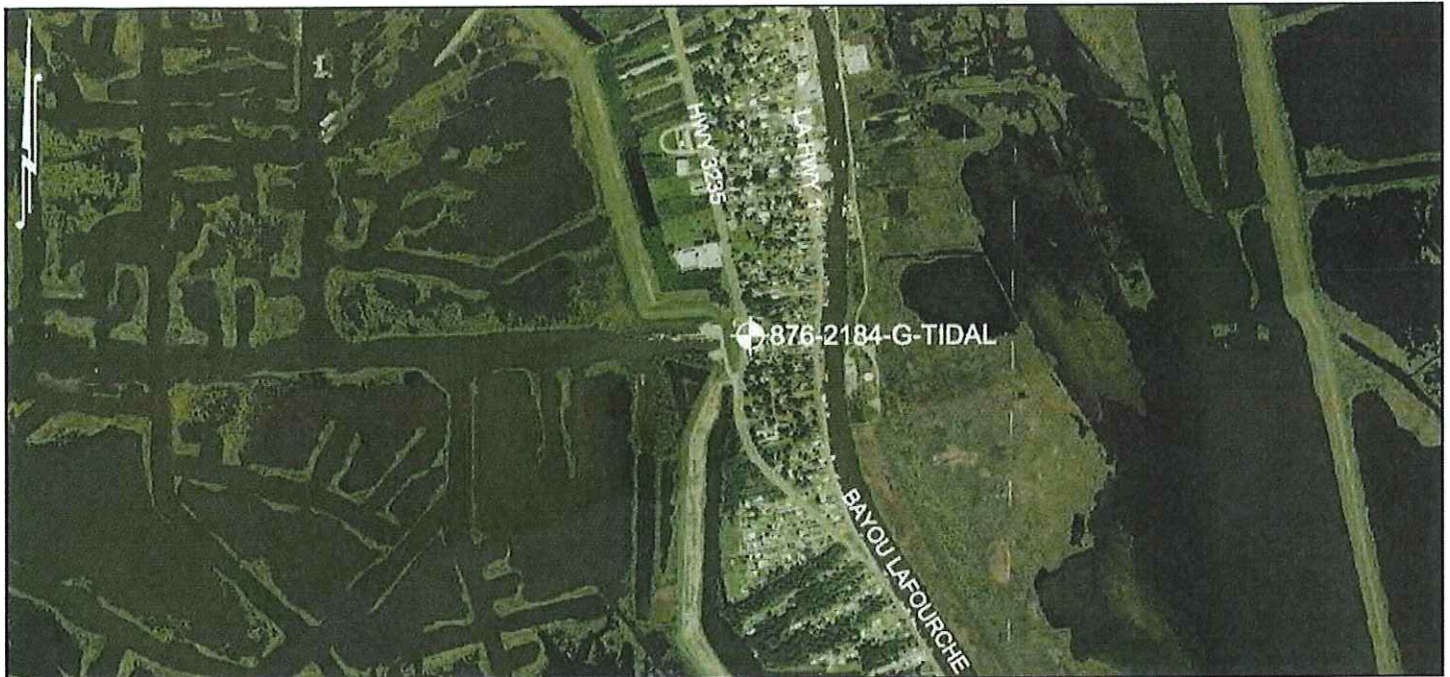
Point #	Northing	Easting	Description
54030	314220.100	3607214.200	Nothing found with MAG - Not Pipeline
54031	314164.700	3607309.700	Nothing found with MAG - Not Pipeline
54032	314118.600	3607389.200	Nothing found with MAG - Not Pipeline
54033	314060.100	3605314.500	Nothing found with MAG - Not Pipeline
54034	314005.100	3607577.500	Nothing found with MAG - Not Pipeline
54035	313993.100	3607624.100	Nothing found with MAG - Not Pipeline
54036	313991.600	3607556.800	Nothing found with MAG - Not Pipeline
54037	313983.000	3607527.500	Nothing found with MAG - Not Pipeline
54038	313980.000	3607517.200	Nothing found with MAG - Not Pipeline
54039	313979.000	3607636.700	Nothing found with MAG - Not Pipeline
54040	313968.400	3607478.000	Nothing found with MAG - Not Pipeline
54041	313965.700	3607468.900	Nothing found with MAG - Not Pipeline
54042	313965.300	3607467.400	Nothing found with MAG - Not Pipeline
54043	313964.000	3607463.100	Nothing found with MAG - Not Pipeline
54044	313961.700	3607455.300	Nothing found with MAG - Not Pipeline
54045	313958.700	3607445.000	Nothing found with MAG - Not Pipeline
54046	313946.600	3607404.000	Nothing found with MAG - Not Pipeline
54047	313944.700	3607738.500	Nothing found with MAG - Not Pipeline
54048	313944.000	3607667.700	Nothing found with MAG - Not Pipeline
54049	313921.100	3607317.200	Nothing found with MAG - Not Pipeline
54050	313911.600	3607696.400	Nothing found with MAG - Not Pipeline
54051	313896.200	3607710.100	Nothing found with MAG - Not Pipeline
54052	313876.600	3607850.100	Nothing found with MAG - Not Pipeline
54053	313843.100	3605900.500	Nothing found with MAG - Not Pipeline
54054	313841.400	3607858.700	Nothing found with MAG - Not Pipeline
54055	313835.600	3607920.300	Nothing found with MAG - Not Pipeline
54056	313731.600	3608098.500	Single Hit - Not Investigated
54057	313709.200	3605850.600	Nothing found with MAG - Not Pipeline
54058	313708.100	3605113.300	Nothing found with MAG - Not Pipeline
54059	313553.100	3605792.400	Nothing found with MAG - Not Pipeline

Table 11. Magnetometer Targets (MCA 4)

Point #	Northing	Easting	Description
54060	313388.800	3604930.800	Nothing found with MAG - Not Pipeline
54061	313338.000	3604901.800	Nothing found with MAG - Not Pipeline
54062	312363.200	3607395.900	Single Hit - Not Investigated
54063	312343.100	3607827.500	±0.8' Mud Cover (12" Chevron Pipeline)
54064	312273.900	3606111.100	Single Hit - Not Investigated
54065	312149.900	3607613.500	±0.9' Mud Cover (12" Chevron Pipeline)
54066	312103.800	3607706.600	±0.9' Mud Cover (12" Chevron Pipeline)
54067	312073.300	3606267.100	Single Hit - Not Investigated
54068	311679.900	3607157.500	±0.9' Mud Cover (12" Chevron Pipeline)
54069	311351.500	3606788.100	±0.7' Mud Cover (12" Chevron Pipeline)
54070	311042.200	3605587.800	Single Hit - Not Investigated
54071	310977.900	3606410.100	±0.7' Mud Cover (12" Chevron Pipeline)
54072	310625.000	3606018.800	±0.9' Mud Cover (12" Chevron Pipeline)
54073	310286.800	3607754.400	Single Hit - Not Investigated

LIST OF FIGURES

- **SURVEY SECONDARY MONUMENT DATA SHEET**
- **OVERALL SHEET**
- **SURVEY LAYOUTS**
- **HEALTHY MARSH SHOTS**
- **INFRASTRUCTURE SURVEYS**
- **CROSS-SECTIONS**



VICINITY MAP Scale: 1" = 2000'

2013 NAIP imagery provided by USDA Farm Service Agency

Station Name: "876 2184 G TIDAL"

Location: The monument stamped "2184 G 1987" is located in Lafourche Parish, near Golden Meadow. To locate the monument from the junction of La. State Hwy. 3235 and La. State Hwy. 1 in Golden Meadow, proceed north along Hwy. 3235 for 0.54 mile to the monument on the right. The monument is located at the intersection of Hwy. 3235 and Texas Rd. and is 37.7 feet east of the centerline of the northbound lanes of the highway. The monument is 40 feet north of the centerline of Texas Rd., 81.0 feet south of a pipeline vent, 8.0 feet west of a fire hydrant, and 2.0 feet north of a hwy. r/w monument.

Monument Description: Stainless steel rod without sleeve set to a depth of 25.6 meters (84 feet).

Stamping: 2184 G 1987

Installation Date: 1987

Date of Survey: May 2014

Monument Established By: NOS

Adjusted NAD 83 Geodetic Position

Lat. 29°22'25.6984" N

Long. 90°15'42.3215" W

Adjusted NAD 83 Datum LSZ (1702) Feet

N= 319,371.67

E= 3,622,146.27

Adjusted UTM, NAD 83 Datum (Zone 15) Meters

N= 3,252,518.028

E= 765,792.429

Adjusted NAVD88 Height

Elevation Geoid12A = 0.410 feet (0.124 mtrs)

Elevation Geoid99 = 1.16 feet (0.354 mtrs)

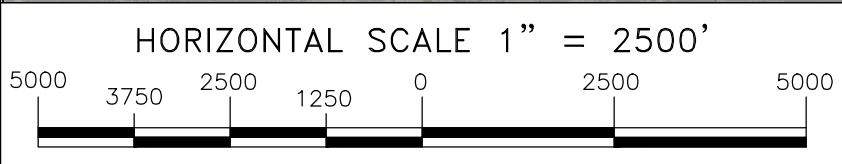
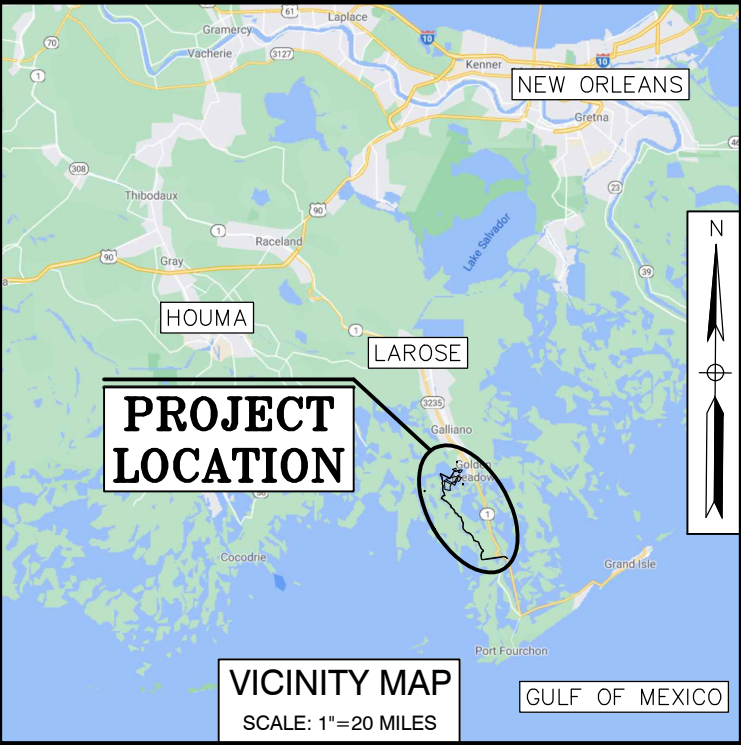
Ellipsoid Height = -24.320 mtrs

Geoid 12A Height = -24.444 mtrs

Geoid99 Height = -24.674 mtrs

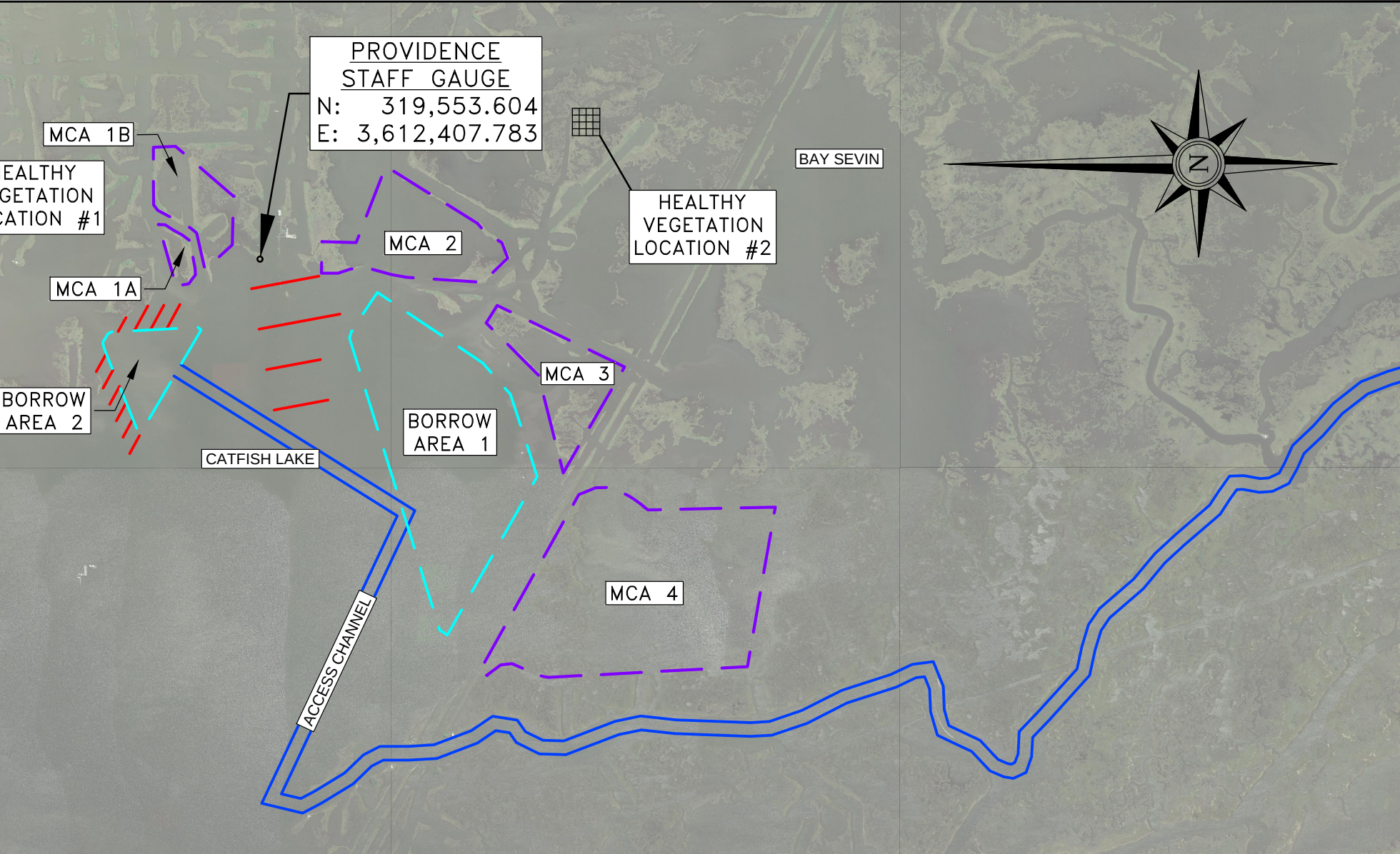
Ellipsoid Height = -24.320 mtrs





INDEX TO SHEETS:	
SHEET NO.	DESCRIPTION
1	PLAN VIEW – OVERALL SITE
2	SURVEY LAYOUT – ACCESS CHANNEL
3-6	SURVEY LAYOUT – MCA AREAS 1-4
7-8	SURVEY LAYOUT – BORROW PITS
9	HEALTHY MARSH SHOTS
10-13	INFRASTRUCTURE SURVEY – MCA AREAS 1-4
14-23	INFRASTRUCTURE SURVEY – ACCESS CHANNEL
24-29	INFRASTRUCTURE SURVEY – PHOTOGRAPHS
30-39	TRANSECT CROSS SECTIONS – MCA 1
40-50	TRANSECT CROSS SECTIONS – MCA 2
51-65	TRANSECT CROSS SECTIONS – MCA 3
66-82	TRANSECT CROSS SECTIONS – MCA 4
83-119	TRANSECT CROSS SECTIONS – ACCESS CHANNEL

LEGEND	
	ACCESS CHANNEL LIMITS
	MARSH CREATION AREA BOUNDARIES
	BORROW AREA BOUNDARIES
	MAGNETOMETER TRANSECTS



NOTES:	
1.	TOPOGRAPHIC AND BATHYMETRIC SURVEYS WERE PERFORMED FROM JUNE 22, 2021 TO NOVEMBER 1, 2021 BY PROVIDENCE ENGINEERING AND ENVIRONMENTAL GROUP LLC.
2.	ALL GRID COORDINATES ARE EXPRESSED IN LOUISIANA STATE PLANE, SOUTH ZONE, NAD83, IN U.S. SURVEY FEET. GEOGRAPHIC COORDINATES ARE NAD83.
3.	THE VERTICAL DATUM FOR ALL ELEVATIONS IS NAVD88 (GEOID12A) IN U.S. SURVEY FEET.
4.	MEAN LOW WATER ELEVATION = -1.10' MEAN WATER ELEVATION = +0.58' MEAN HIGH WATER ELEVATION = +1.60'
5.	THE PRIMARY BENCHMARK FOR THIS SURVEY IS CPRA SECONDARY BENCHMARK 876 2184 G TIDAL ELEVATION +0.41'.
6.	BACKGROUND IMAGERY REPRODUCED FROM MARCH 2019 GOOGLE EARTH AERIAL PHOTOGRAPHY.

PROVIDENCE
Engineering and Environmental Group LLC
1297 St. Charles Street, Suite H, Houma, LA 70360
(888) 876-6380

COASTAL PROTECTION AND RESTORATION AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

Overall Plan
Marsh Creation Areas, Borrow,
& Healthy Veg. Locations

DESIGNED BY: TJM
APPROVED BY: TJM

East Catfish Lake
Marsh Creation & Shoreline Protect.
Lafourche Parish, Louisiana

STATE PROJECT NUMBER: TE-0157
DRAWN BY: CMM

DATE: January 2022

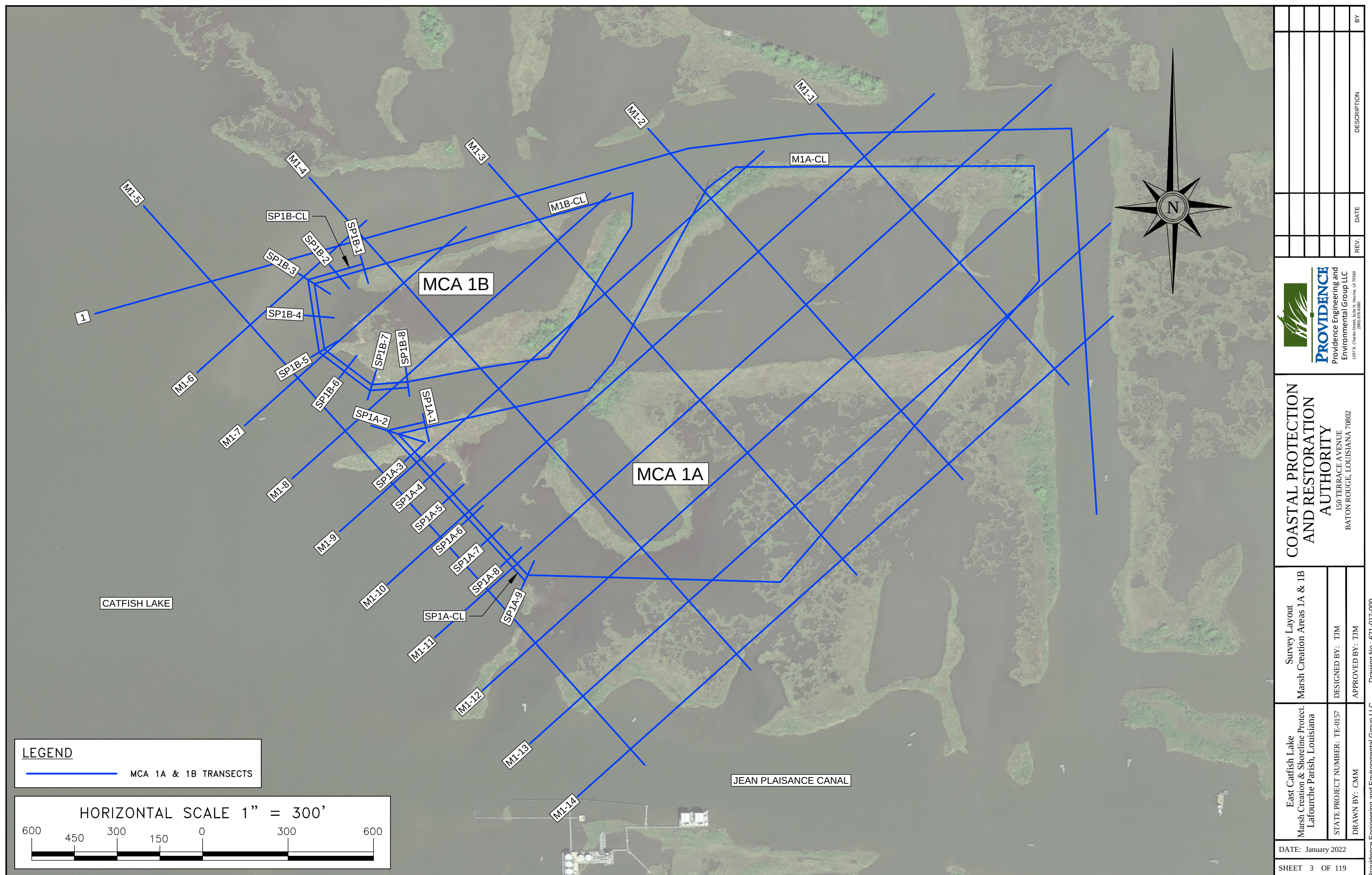
SHEET 1 OF 119

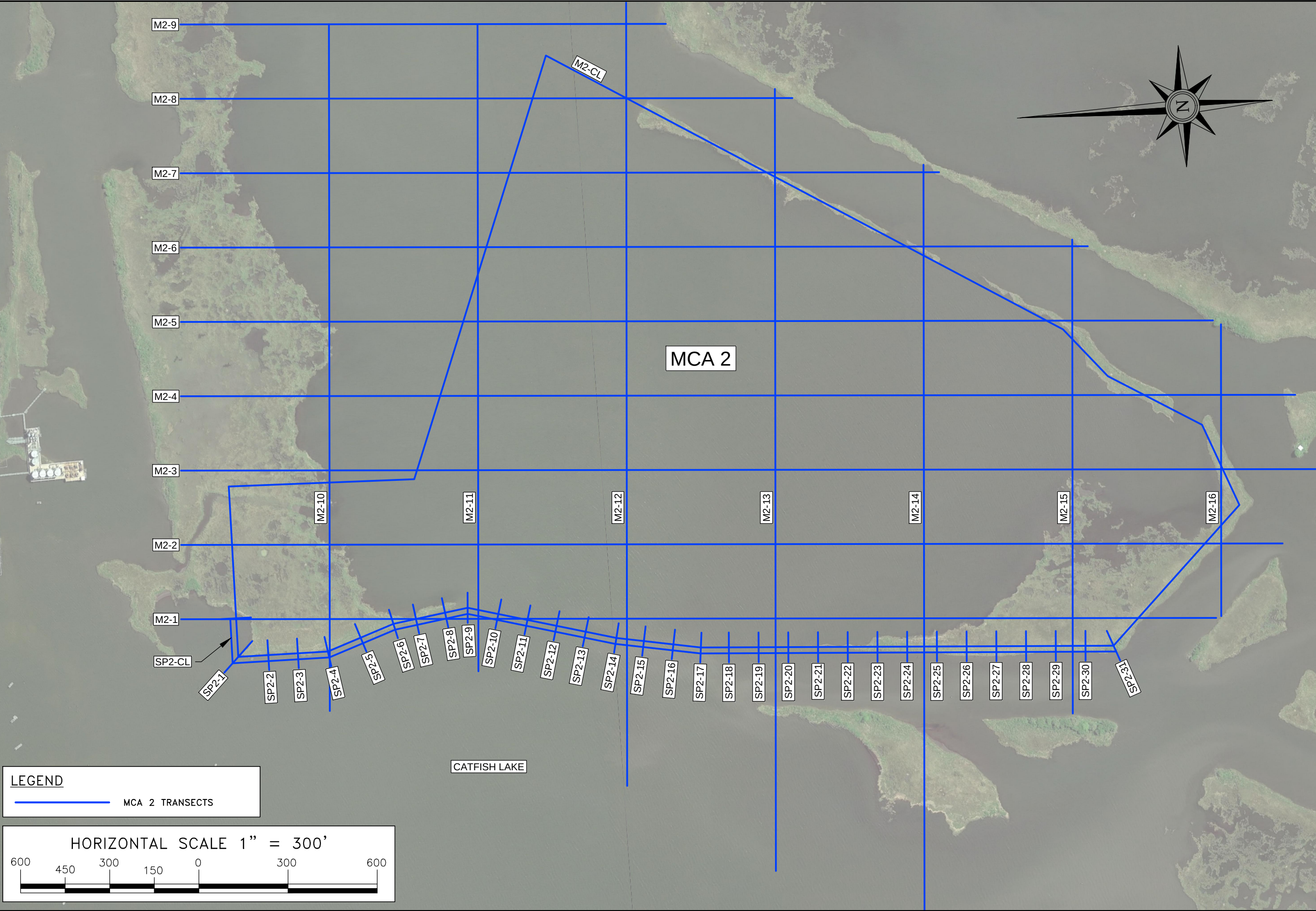
DESCRIPTION

DATE

REV.

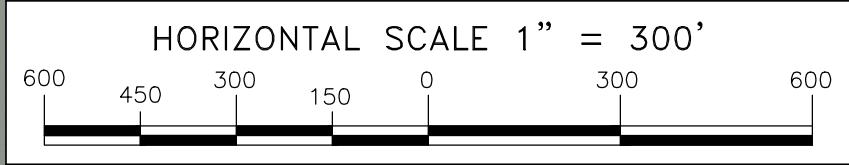
BY





LEGEND

MCA 2 TRANSECTS

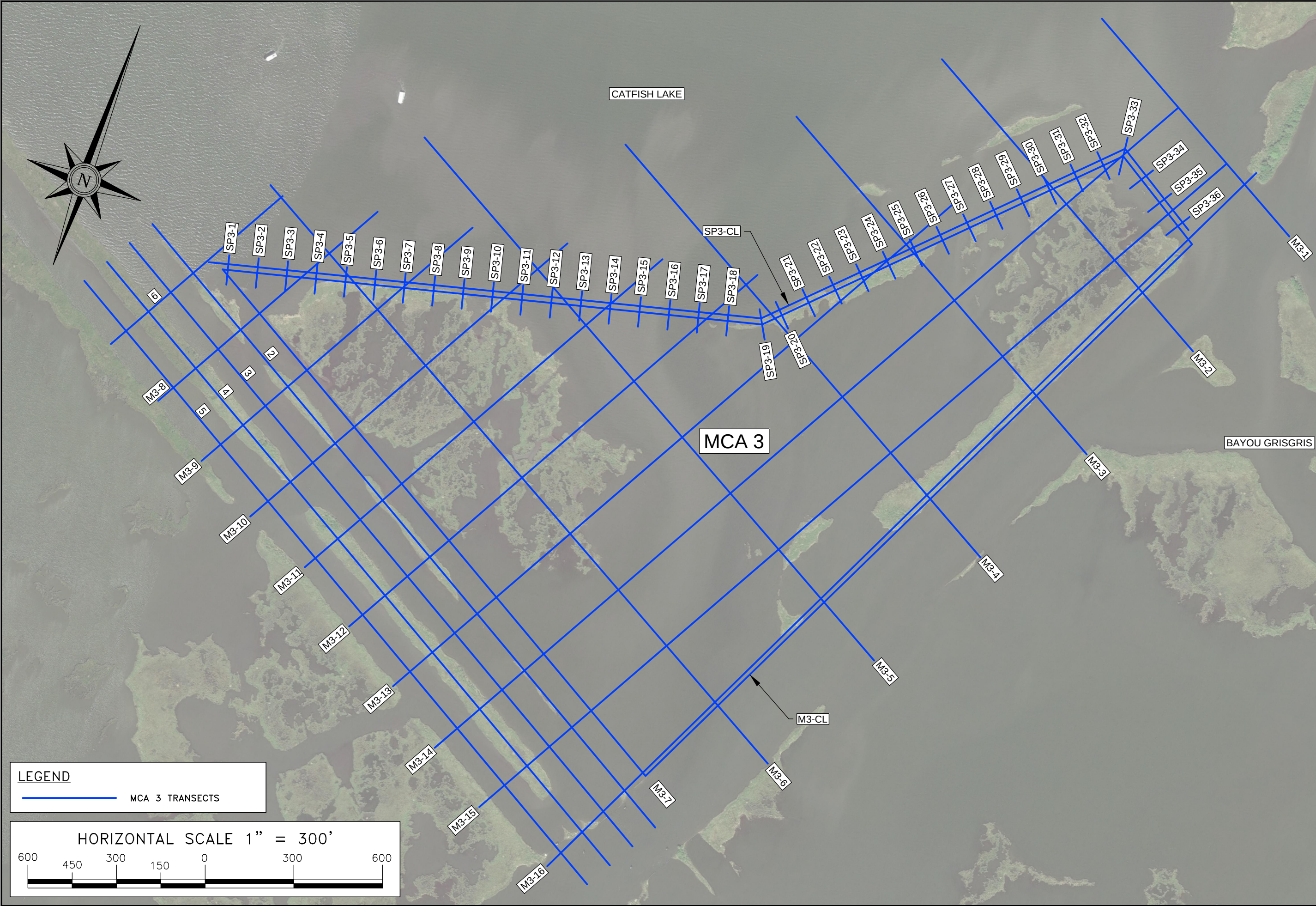


East Catfish Lake Marsh Creation & Shoreline Protect. Lafourche Parish, Louisiana		Survey Layout Marsh Creation Area 2		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		 Providence Engineering and Environmental Group LLC 1397 St. Charles Street, Suite H, Houma, LA 70360 (888) 876-6880		REV.	DATE	DESCRIPTION	BY
DATE: January 2022		STATE PROJECT NUMBER: TE-0157									
DRAWN BY: CMM		DESIGNED BY: TJM									
APPROVED BY: TJM											

SHEET 4 OF 119

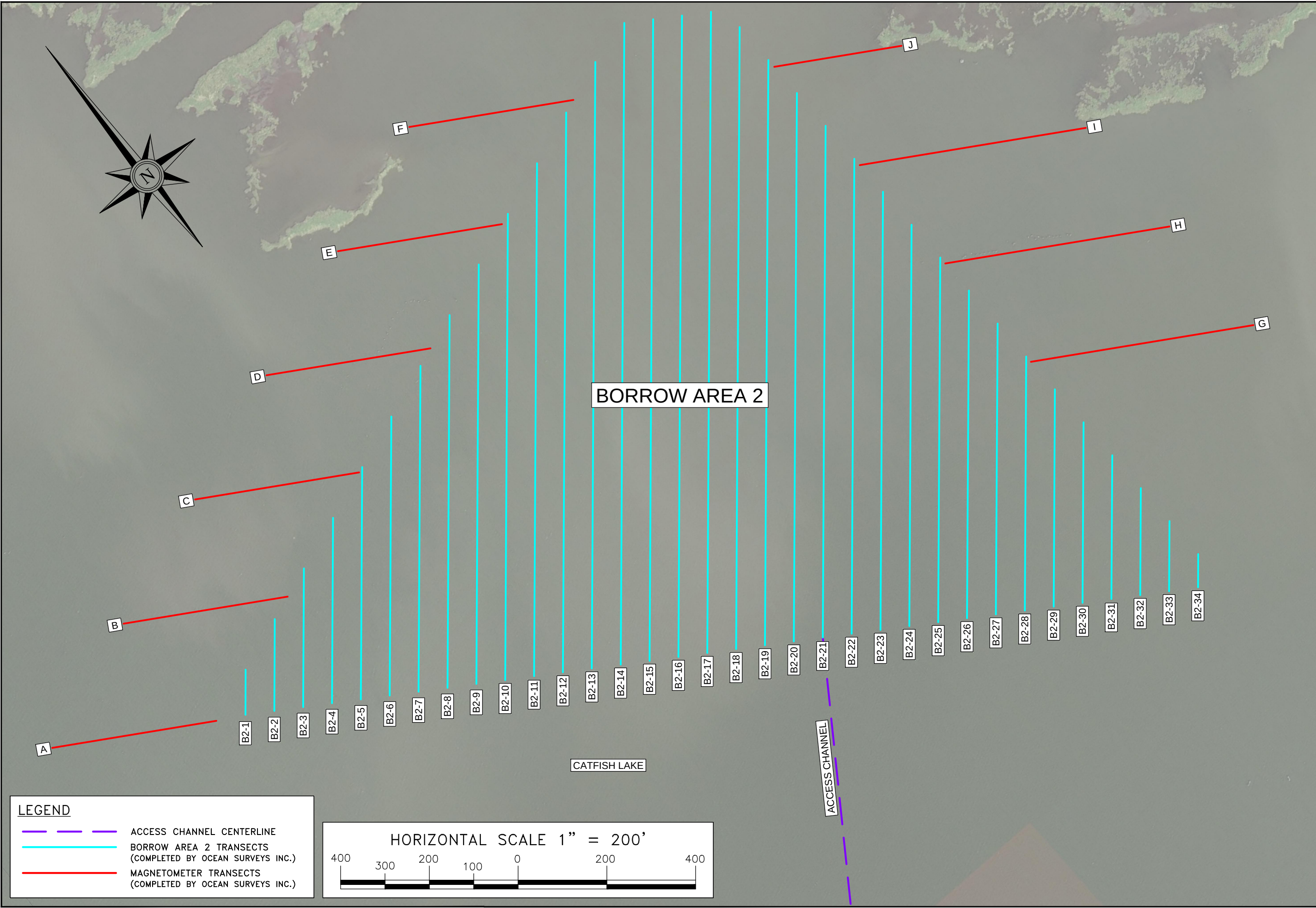
Providence Engineering and Environmental Group LLC

Drawing No. 621-017-000



East Catfish Lake Marsh Creation & Shoreline Protect. Lafourche Parish, Louisiana		Survey Layout Marsh Creation Area 3		 PROVIDENCE Providence Engineering and Environmental Group LLC 1297 St. Charles Street, Suite H, Houma, LA 70360 (888) 876-6380							
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DRAWN BY: CMM		APPROVED BY: TJM				REV.		DATE		DESCRIPTION	
DATE: January 2022											
SHEET 5 OF 119											



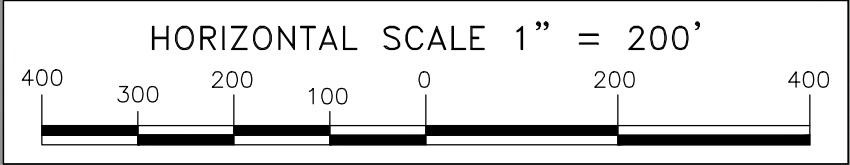


LEGEND

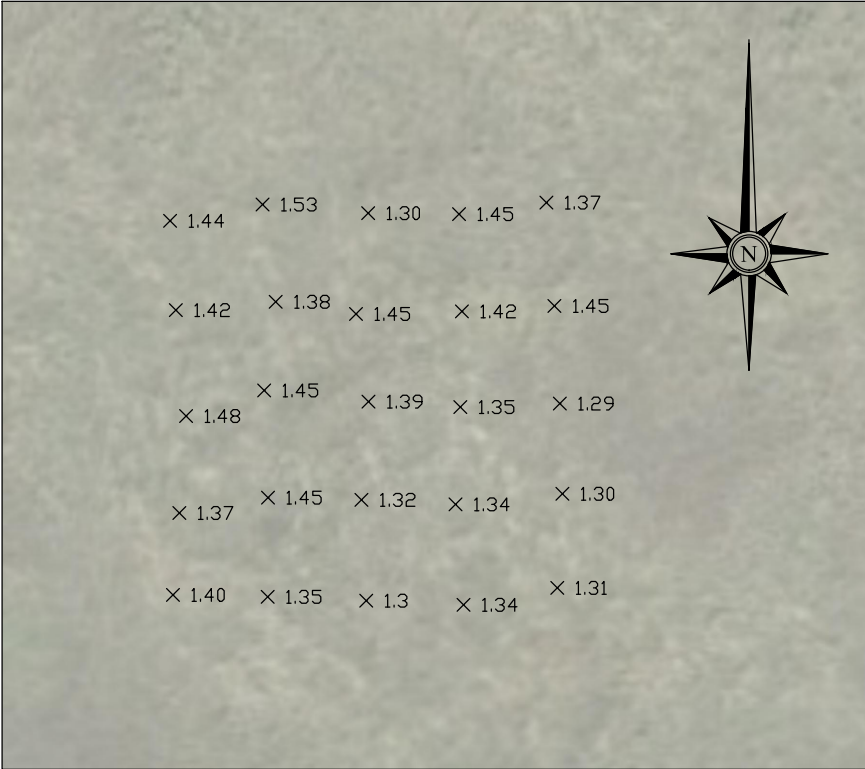
ACCESS CHANNEL CENTERLINE

BORROW AREA 2 TRANSECTS
(COMPLETED BY OCEAN SURVEYS INC.)

MAGNETOMETER TRANSECTS
(COMPLETED BY OCEAN SURVEYS INC.)



East Catfish Lake Marsh Creation & Shoreline Protect. Lafourche Parish, Louisiana		Survey Layout Borrow Area 2		 PROVIDENCE Engineering and Environmental Group LLC 1397 St. Charles Street, Suite H, Houma, LA 70360 (888) 876-6380 COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802									
STATE PROJECT NUMBER: TE-0157		DESIGNED BY: TJM											
DRAWN BY: CMM		APPROVED BY: TJM											
DATE: January 2022				REV.		DATE		DESCRIPTION		BY			
SHEET 8 OF 119													



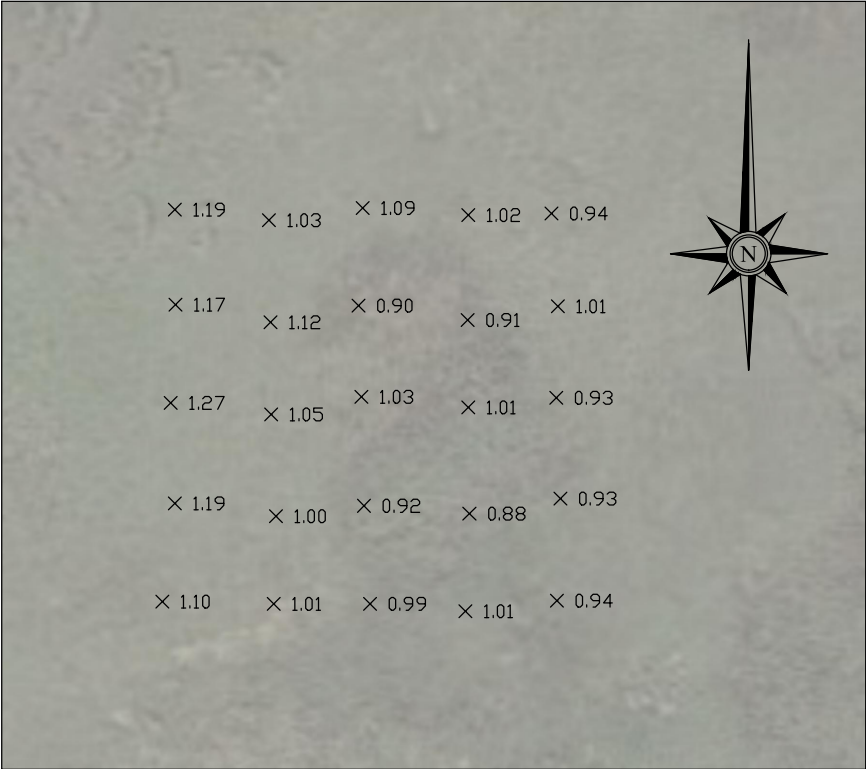
HEALTHY VEGETATION LOCATION #1

SCALE: 1" = 60'



HEALTHY VEGETATION LOCATION #2

SCALE: 1" = 60'



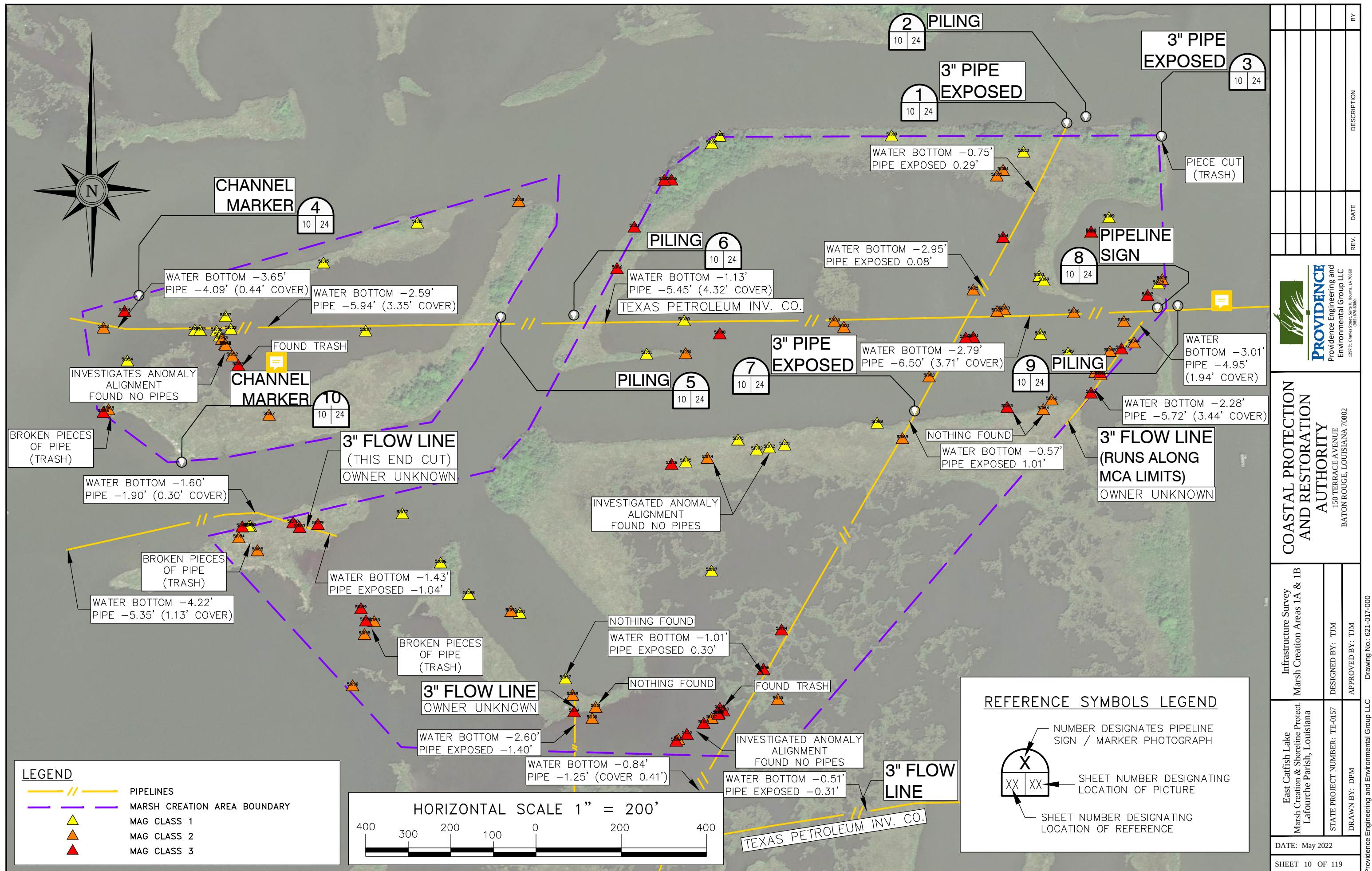
HEALTHY VEGETATION LOCATION #5

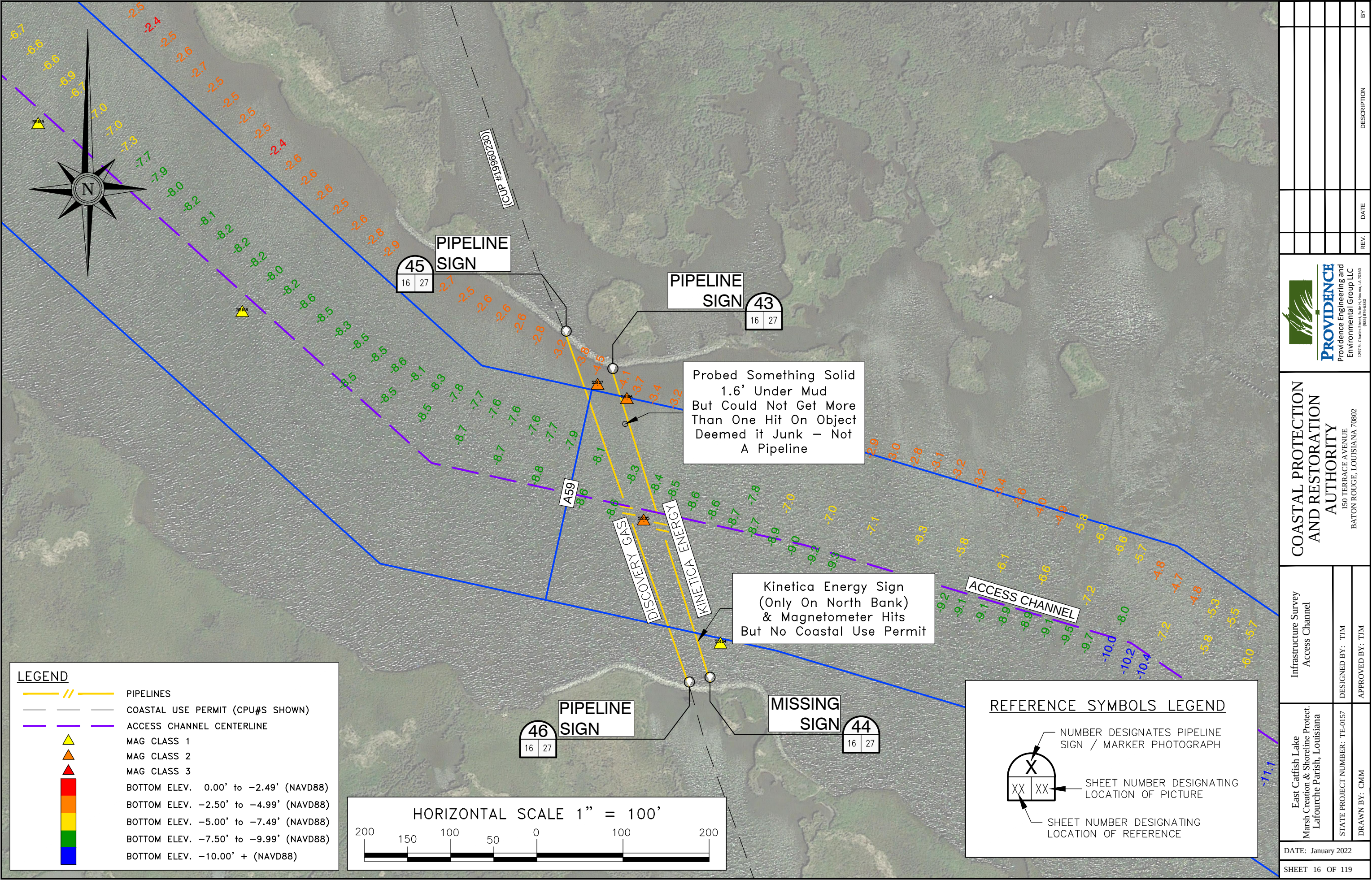
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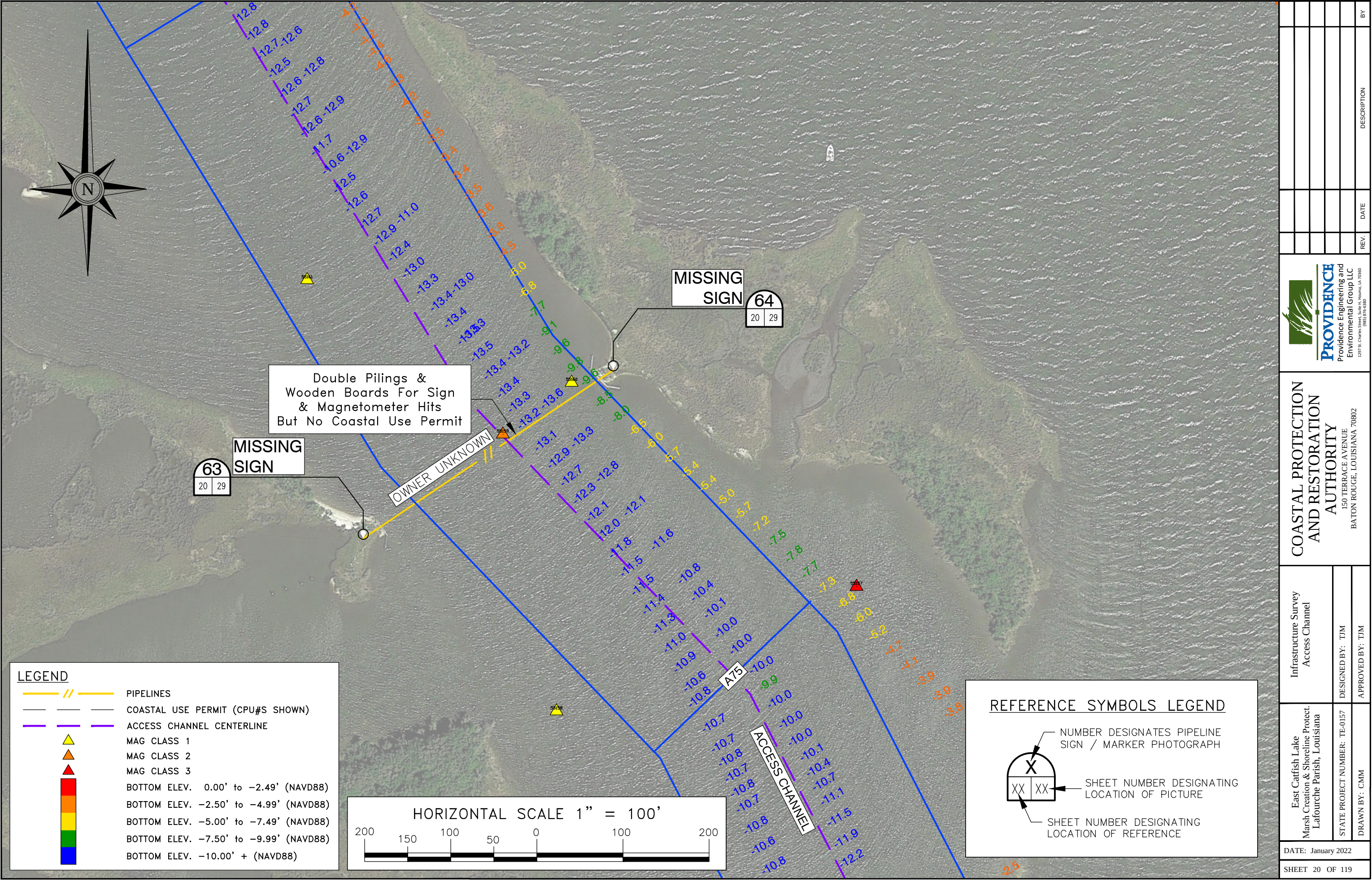


COASTAL PROTECTION
AND RESTORATION
AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

East Catfish Lake Marsh Creation & Shoreline Protect. Lafourche Parish, Louisiana	Healthy Marsh Shots
STATE PROJECT NUMBER: TE-0157	DESIGNED BY: TJM
DRAWN BY: CMM	APPROVED BY: TJM









1

3" PIPE EXPOSED

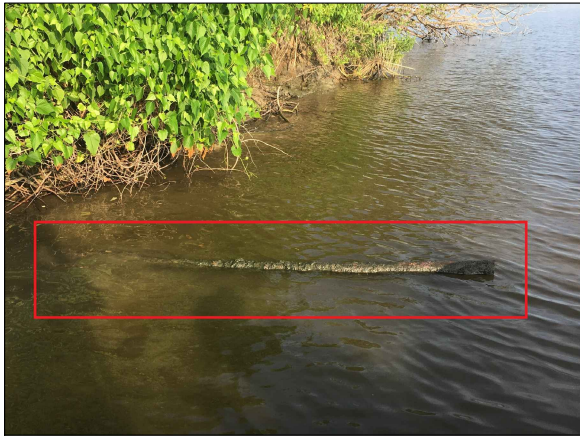
1024



2

PILING

1024



3

3" PIPE EXPOSED

1024



4

CHANNEL MARKER

1024



5

PILING

1024



6

PILING

1024



7

3" PIPE EXPOSED

1024



8

PIPELINE SIGN

1024



9

PILING

1024



10

CHANNEL MARKER

1024



11

MISSING SIGN

1124



12

MISSING SIGN

1124



COASTAL PROTECTION
AND RESTORATION
AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

Infrastructure Survey
Photographs

East Catfish Lake
Marsh Creation & Shoreline Protect.
Lafourche Parish, Louisiana

STATE PROJECT NUMBER: TE-0157
DRAWN BY: DPM

DESIGNED BY: TJM
APPROVED BY: TJM

DATE: January 2022
SHEET 24 OF 119



13

CHANNEL MARKER

1125



14

CHANNEL MARKER

1125



15

MISSING SIGN

1125



16

PIPELINE MARKER

1125



17

PIPELINE MARKER

1125



18

PILING

1125



19

2 PILE CLUSTER

1125



20

PIPELINE MARKER

1225



21

PIPELINE MARKER

1225



22

PIPELINE MARKER

1225



23

PIPELINE MARKER

1225



24

PIPELINE TAP ON PILES

1225



COASTAL PROTECTION
AND RESTORATION
AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

Infrastructure Survey
Photographs

East Catfish Lake
Marsh Creation & Shoreline Protect.
Lafourche Parish, Louisiana

STATE PROJECT NUMBER: TE-0157

DRAWN BY: DPM

DESIGNED BY: TJM

APPROVED BY: TJM

DATE: January 2022

SHEET 25 OF 119



25 PIPELINE MARKER

12	26
----	----



26 PIPELINE MARKER

12	26
----	----



27 PIPELINE MARKER

12	26
----	----



28 PIPELINE MARKER

12	26
----	----



29 CHANNEL MARKER

13	26
----	----



30 PIPELINE MARKER

13	26
----	----



31 CHANNEL MARKER

13	26
----	----



32 PIPELINE MARKER

13	26
----	----



33 CHANNEL MARKER

13	26
----	----



34 CHANNEL MARKER

13	26
----	----



35 CHANNEL MARKER

13	26
----	----



36 PIPELINE MARKER

13	26
----	----



COASTAL PROTECTION
AND RESTORATION
AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

Infrastructure Survey
Photographs

East Catfish Lake
Marsh Creation & Shoreline Protect.
Lafourche Parish, Louisiana

DATE: January 2022

SHEET 26 OF 119

DESIGNED BY: TJM

APPROVED BY: TJM

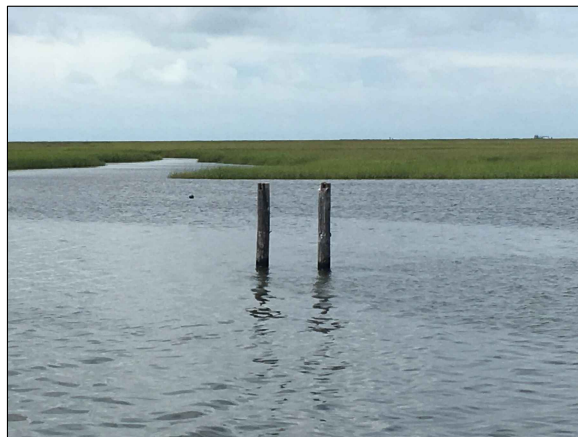
STATE PROJECT NUMBER: TE-0157
DRAWN BY: DPM

REV.

DATE

DESCRIPTION

BY



East Catfish Lake Marsh Creation & Shoreline Protect. Lafourche Parish, Louisiana		Infrastructure Survey Photographs	COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802		 PROVIDENCE Providence Engineering and Environmental Group LLC 1297 St. Charles Street, Suite H, Houma, LA 70360 (985) 891-6300				
STATE PROJECT NUMBER: TE-0157 DRAWN BY: CMM									
DATE: January 2022									
SHEET 27 OF 119									



49 PIPELINE SIGN

17	28
----	----



50 PIPELINE SIGN

17	28
----	----



51 MISSING SIGN

18	28
----	----



52 MISSING SIGN

18	28
----	----



53 PIPELINE SIGN

19	28
----	----



54 PIPELINE SIGN

19	28
----	----



55 PIPELINE MARKER

19	28
----	----



56 PIPELINE MARKER

19	28
----	----



57 PIPELINE MARKER

19	28
----	----



58 PIPELINE MARKER

19	28
----	----



59 PIPELINE SIGN

19	28
----	----



60 PIPELINE SIGN

19	28
----	----



COASTAL PROTECTION
AND RESTORATION
AUTHORITY
150 TERRACE AVENUE
BATON ROUGE, LOUISIANA 70802

Infrastructure Survey
Photographs

East Catfish Lake
Marsh Creation & Shoreline Protect.
Lafourche Parish, Louisiana

DESIGNED BY: TJM

STATE PROJECT NUMBER: TE-0157

APPROVED BY: TJM

DRAWN BY: CMM

DATE: January 2022

SHEET 28 OF 119



63 MISSING SIGN

20	29
----	----



64 MISSING SIGN

[illegible]

DATE_COLL	TARGET_ID	SIGNAL	SIGNAL_STR	DURATION	X (m)	Y (m)	COMMENTS
20210715.00	51000	46329.2	88.0	13.5	1101492.06	97990.34	Single Hit - Not Investigated
20210715.00	51001	46233.5	119.7	25.9	1101369.17	97990.03	Single Hit - Not Investigated
20210715.00	51002	46294.2	75.3	26.6	1101363.31	97984.70	Single Hit - Not Investigated
20210715.00	51003	46267.5	193.8	37.3	1101586.43	97978.69	Single Hit - Not Investigated
20210715.00	51004	46733.4	541.9	39.5	1101571.80	97965.59	Single Hit - Not Investigated
20210715.00	51005	46779.6	634.3	48.3	1101567.32	97961.56	Single Hit - Not Investigated
20210715.00	51006	47291.3	1361.6	16.5	1101334.63	97958.70	Single Hit - Not Investigated
20210715.00	51007	46303.9	1900.0	35.3	1101329.36	97958.51	Single Hit - Not Investigated
20210715.00	51008	46439.3	264.7	34.1	1101225.30	97943.52	Single Hit - Not Investigated
20210709.00	51009	46436.3	169.8	39.9	1101647.63	97931.78	Single Hit - Not Investigated
20210715.00	51010	46326.1	80.2	13.3	1101152.73	97927.97	Single Hit - Not Investigated
20210709.00	51011	46747.1	2403.3	65.8	1101307.99	97924.96	Single Hit - Not Investigated
20210715.00	51012	46340.4	3128.1	63.0	1101634.86	97921.63	Single Hit - Not Investigated
20210709.00	51013	46392.0	632.9	25.2	1101634.74	97920.93	Single Hit - Not Investigated
20210715.00	51014	48276.1	2283.7	37.1	1101571.83	97917.70	Exposed Pipe - Running on Marsh (Owner Unknown)
20210709.00	51015	46419.4	168.1	60.1	1101085.58	97899.44	Single Hit - Not Investigated
20210709.00	51016	46611.5	9063.8	63.3	1101295.62	97895.30	Single Hit - Not Investigated
20210709.00	51017	46435.1	247.3	19.4	1101597.61	97889.75	Single Hit - Not Investigated
20210715.00	51018	46352.1	365.4	16.8	1101685.70	97887.47	Single Hit - Not Investigated
20210715.00	51019	46287.9	80.1	8.2	1101601.03	97886.55	Single Hit - Not Investigated
20210715.00	51020	46300.6	103.1	14.4	1101682.99	97884.51	Single Hit - Not Investigated
20210709.00	51021	46846.9	666.7	28.9	1101550.49	97880.12	Exposed Pipe - Running on Marsh (Owner Unknown)
20210715.00	51022	46974.2	1054.2	76.4	1101675.22	97876.00	±4.4' Mud Cover (Texas Petroleum Pipeline)
20210715.00	51023	46541.8	404.0	44.5	1101572.59	97865.98	±3.8' Mud Cover (Texas Petroleum Pipeline)
20210712.00	51024	46645.4	4049.7	38.8	1100943.18	97864.67	±0.4' Mud Cover (Texas Petroleum Pipeline)
20210709.00	51025	46528.9	408.4	44.8	1101567.59	97864.51	±3.8' Mud Cover (Texas Petroleum Pipeline)
20210715.00	51026	46217.4	572.0	47.4	1101622.43	97863.72	±3.6' Mud Cover (Texas Petroleum Pipeline)
20210709.00	51027	46408.5	162.1	0.1	1101015.57	97861.04	±1.9' Mud Cover (Texas Petroleum Pipeline)
20210715.00	51028	46325.3	105.4	80.8	1101343.59	97858.08	±4.2' Mud Cover (Texas Petroleum Pipeline)
20210715.00	51029	46219.3	421.8	75.0	1101658.24	97857.47	±3.6' Mud Cover (Texas Petroleum Pipeline)
20210715.00	51030	46468.7	340.5	94.4	1101451.10	97857.35	±4.0' Mud Cover (Texas Petroleum Pipeline)
20210709.00	51031	46562.5	334.1	105.2	1101457.96	97853.36	±4.0' Mud Cover (Texas Petroleum Pipeline)
20210712.00	51032	46510.7	252.8	35.5	1100928.18	97852.78	±0.4' Mud Cover (Texas Petroleum Pipeline)
20210715.00	51033	46399.9	180.5	50.5	1101019.26	97852.02	±2.0' Mud Cover (Texas Petroleum Pipeline)
20210709.00	51034	46265.1	153.0	59.7	1100993.53	97851.26	±1.4' Mud Cover (Texas Petroleum Pipeline)
20210715.00	51035	46262.0	132.8	43.9	1100997.25	97851.04	±1.5' Mud Cover (Texas Petroleum Pipeline)
20210712.00	51036	46238.6	71.5	13.7	1101009.17	97850.77	±1.7' Mud Cover (Texas Petroleum Pipeline)
20210715.00	51037	46361.7	166.4	64.6	1101115.70	97850.62	±3.8' Mud Cover (Texas Petroleum Pipeline)
20210709.00	51038	46258.1	1072.6	62.9	1101369.14	97848.66	±4.2' Mud Cover (Texas Petroleum Pipeline)
20210709.00	51039	46259.9	62.3	62.3	1101598.56	97848.09	Nothing found with MAG - Not Pipeline
20210712.00	51040	46312.9	222.6	17.3	1101011.39	97847.20	±1.7' Mud Cover (Texas Petroleum Pipeline)
20210715.00	51041	52683.9	8203.1	85.2	1101550.46	97846.20	Single Hit - Not Investigated
20210709.00	51042	54661.1	8529.8	51.3	1101545.07	97845.62	Single Hit - Not Investigated
20210712.00	51043	46353.3	475.4	6.8	1101012.95	97844.70	±1.7' Mud Cover (Texas Petroleum Pipeline)
20210709.00	51044	46612.6	916.0	53.5	1101665.58	97842.20	±1.9' Mud Cover (Pipeline - Owner Unknown)
20210712.00	51045	46332.6	286.0	27.9	1101015.20	97841.11	Nothing found with MAG - Not Pipeline
20210712.00	51046	46491.6	591.4	6.5	1101015.54	97840.53	Nothing found with MAG - Not Pipeline
20210715.00	51047	46670.2	1299.8	77.1	1101656.50	97837.94	±2.0' Mud Cover (Pipeline - Owner Unknown)
20210715.00	51048	46370.1	493.1	75.2	1101648.33	97836.08	±2.0' Mud Cover (Pipeline - Owner Unknown)
20210709.00	51049	46317.5	170.2	38.6	1101618.28	97834.95	Nothing found with MAG - Not Pipeline
20210709.00	51050	46608.9	380.7	54.2	1101344.75	97834.52	Single Hit - Not Investigated
20210715.00	51051	46357.1	94.9	14.3	1101316.80	97834.19	Single Hit - Not Investigated
20210712.00	51052	46816.3	770.3	27.9	1101020.32	97832.88	Nothing found with MAG - Not Pipeline
20210715.00	51053	47386.3	2324.4	131.4	1101632.94	97829.83	Nothing found with MAG - Not Pipeline
20210712.00	51054	46400.3	127.6	29.9	1100945.22	97829.34	Single Hit - Not Investigated
20210712.00	51055	46307.9	1787.6	34.2	1101024.56	97826.05	Probed Metal Object (Trash) - Not Pipeline
20210715.00	51056	46554.5	387.7	60.1	1101637.79	97821.14	±2.3' Mud Cover (Pipeline - Owner Unknown)
20210709.00	51057	47089.5	1388.8	125.3	1101641.14	97820.90	±2.3' Mud Cover (Pipeline - Owner Unknown)
20210712.00	51058	46249.3	91.8	16.4	1101028.37	97819.92	Nothing found with MAG - Not Pipeline
20210709.00	51059	46271.9	507.3	52.5	1101641.75	97819.31	±2.3' Mud Cover (Pipeline - Owner Unknown)
20210715.00	51060	46614.9	749.5	59.5	1101518.85	97817.97	Exposed Pipe - Running on Marsh (Owner Unknown)
20210709.00	51061	46582.9	1168.2	70.4	1101634.80	97806.21	±3.4' Mud Cover (Pipeline - Owner Unknown)

20210709.00	51062	46341.2	326.6	31.6	1101606.67	97801.42	Nothing found with MAG - Not Pipeline
20210709.00	51063	46871.3	1205.8	49.5	1101574.72	97796.03	Nothing found with MAG - Not Pipeline
20210715.00	51064	47074.0	944.0	56.5	1101600.57	97794.47	Nothing found with MAG - Not Pipeline
20210715.00	51065	46654.6	588.2	39.7	1100931.72	97794.38	Broken Pieces of Pipe (Trash)
20210709.00	51066	46725.4	1036.3	34.9	1100928.09	97792.46	Broken Pieces of Pipe (Trash)
20210712.00	51067	46275.3	825.2	15.7	1101046.69	97790.51	Single Hit - Not Investigated
20210715.00	51068	46369.4	89.7	14.4	1101481.70	97784.78	Single Hit - Not Investigated
20210715.00	51069	46965.1	790.6	124.5	1101499.80	97773.74	Exposed Pipe - Running on Marsh (Owner Unknown)
20210709.00	51070	46256.9	108.2	49.6	1101382.09	97772.77	Single Hit - Not Investigated
20210709.00	51071	46376.3	98.4	23.7	1101415.53	97769.02	Nothing found with MAG - Not Pipeline
20210709.00	51072	46282.8	129.2	23.3	1101404.49	97767.13	Nothing found with MAG - Not Pipeline
20210709.00	51073	46356.9	86.0	30.1	1101395.65	97765.64	Nothing found with MAG - Not Pipeline
20210709.00	51074	46474.8	660.5	33.9	1101360.33	97759.66	Nothing found with MAG - Not Pipeline
20210709.00	51075	46378.9	105.5	14.6	1101344.81	97757.01	Nothing found with MAG - Not Pipeline
20210709.00	51076	46324.1	1540.5	62.4	1101334.66	97755.30	Nothing found with MAG - Not Pipeline
20210709.00	51077	46342.9	62.5	61.5	1101142.03	97720.04	Single Hit - Not Investigated
20210709.00	51078	47750.7	1371.2	39.2	1101063.79	97713.49	Broken Pipeline (One End Cut)
20210709.00	51079	46556.6	2066.5	23.3	1101081.56	97712.36	Broken Pipeline (One End Cut)
20210715.00	51080	46306.5	87.0	1.1	1101033.19	97711.02	Broken Pieces of Pipe (Trash)
20210715.00	51081	46261.2	36.5	3.1	1101032.27	97710.74	Broken Pieces of Pipe (Trash)
20210712.00	51082	46983.9	2020.3	57.8	1101027.49	97710.56	Broken Pieces of Pipe (Trash)
20210709.00	51083	51442.3	11202.6	71.0	1101068.45	97710.13	Broken Pipeline (One End Cut)
20210709.00	51084	46483.5	819.8	65.5	1101025.02	97702.79	Broken Pieces of Pipe (Trash)
20210709.00	51085	46714.7	387.1	33.9	1101038.34	97693.52	Broken Pieces of Pipe (Trash)
20210715.00	51086	46202.7	69.6	19.1	1101169.40	97684.71	Single Hit - Not Investigated
20210715.00	51087	46349.2	107.7	90.4	1101363.25	97678.98	Single Hit - Not Investigated
20210715.00	51088	46239.8	61.7	21.1	1101189.61	97662.22	Single Hit - Not Investigated
20210715.00	51089	48229.1	2062.7	46.6	1101112.37	97652.07	Broken Pieces of Pipe (Trash)
20210715.00	51090	46529.2	372.9	62.7	1101219.81	97649.97	Single Hit - Not Investigated
20210709.00	51091	46432.2	162.4	77.9	1101226.06	97648.81	Single Hit - Not Investigated
20210709.00	51092	47465.9	1411.6	68.1	1101115.91	97643.32	Broken Pieces of Pipe (Trash)
20210709.00	51093	47113.0	981.6	58.2	1101121.88	97642.83	Broken Pieces of Pipe (Trash)
20210715.00	51094	48619.4	2446.9	42.0	1101413.36	97636.80	Exposed Pipe - Running on Marsh (Owner Unknown)
20210712.00	51095	46411.6	903.2	50.6	1101114.93	97633.51	Broken Pieces of Pipe (Trash)
20210715.00	51096	57737.0	16380.2	109.9	1101400.44	97608.66	Exposed Pipe - Running on Marsh (Owner Unknown)
20210709.00	51097	46240.2	112.8	29.5	1101258.68	97601.87	Nothing found with MAG - Not Pipeline
20210712.00	51098	46953.8	749.7	52.4	1101106.40	97596.87	Single Hit - Not Investigated
20210715.00	51099	46458.8	518.8	27.8	1101263.74	97590.07	Exposed Pipe - Running on Marsh (Owner Unknown)
20210715.00	51100	46789.7	797.0	20.0	1101410.65	97586.99	Single Hit - Not Investigated
20210709.00	51101	47183.4	949.7	100.4	1101280.29	97581.45	Nothing found with MAG - Not Pipeline
20210715.00	51102	48289.6	2180.4	37.6	1101369.26	97580.75	Probed Metal Object (Trash) - Not Pipeline
20210709.00	51103	48424.9	2836.8	7.5	1101371.76	97578.95	Probed Metal Object (Trash) - Not Pipeline
20210715.00	51104	46235.9	2735.7	33.1	1101264.93	97578.25	Exposed Pipe - Running on Marsh (Owner Unknown)
20210709.00	51105	48292.2	2107.7	1.6	1101368.44	97576.84	Probed Metal Object (Trash) - Not Pipeline
20210709.00	51106	47612.5	2024.5	17.1	1101368.10	97576.60	Probed Metal Object (Trash) - Not Pipeline
20210709.00	51107	46247.9	363.0	12.7	1101363.38	97573.58	Probed Metal Object (Trash) - Not Pipeline
20210709.00	51108	46228.4	585.3	34.8	1101277.79	97573.40	Nothing found with MAG - Not Pipeline
20210709.00	51109	47599.9	1716.8	14.9	1101357.65	97569.92	Nothing found with MAG - Not Pipeline
20210709.00	51110	46669.8	1085.1	26.3	1101345.61	97562.21	Nothing found with MAG - Not Pipeline
20210709.00	51111	47042.4	851.9	45.9	1101339.57	97558.37	Nothing found with MAG - Not Pipeline
20210709.00	51112	52485.2	6903.8	42.4	1101337.89	97557.31	Nothing found with MAG - Not Pipeline
20210709.00	51113	48044.0	2536.7	30.8	1101706.09	98080.37	Outside MCA Limits - Not Investigated
20210715.00	51114	50291.6	9079.2	46.8	1101698.56	98079.25	Outside MCA Limits - Not Investigated
20210709.00	51115	46167.2	816.2	19.8	1101696.80	98070.22	Outside MCA Limits - Not Investigated
20210715.00	51116	46100.8	600.5	50.9	1101576.25	98065.38	Outside MCA Limits - Not Investigated
20210709.00	51117	46781.5	2518.0	45.7	1101586.73	98064.04	Outside MCA Limits - Not Investigated
20210709.00	51118	47553.3	2267.0	51.8	1101686.56	98059.01	Outside MCA Limits - Not Investigated
20210715.00	51119	50164.1	4094.2	96.9	1101673.97	98057.21	Outside MCA Limits - Not Investigated
20210709.00	51120	46418.2	249.9	15.4	1101446.59	98050.66	Outside MCA Limits - Not Investigated
20210709.00	51121	50835.8	5413.5	14.5	1101568.90	98049.80	Outside MCA Limits - Not Investigated
20210715.00	51122	47543.7	1621.6	50.4	1101554.49	98045.96	Outside MCA Limits - Not Investigated
20210709.00	51123	46691.1	666.4	26.9	1101559.48	98042.27	Outside MCA Limits - Not Investigated
20210709.00	51124	46765.4	568.4	26.5	1101759.95	98026.12	Outside MCA Limits - Not Investigated

20210709.00	51125	46296.1	99.8	3.4	1101264.74	98023.31	Outside MCA Limits - Not Investigated
20210709.00	51126	46816.7	807.7	13.4	1101265.66	98022.46	Outside MCA Limits - Not Investigated
20210715.00	51127	46622.0	922.4	15.2	1101268.86	98022.10	Outside MCA Limits - Not Investigated
20210709.00	51128	46297.2	97.8	24.5	1101267.18	98021.00	Outside MCA Limits - Not Investigated
20210709.00	51129	46474.9	74.5	7.8	1101268.40	98019.84	Outside MCA Limits - Not Investigated
20210715.00	51130	46403.8	130.6	18.8	1101271.57	98019.26	Outside MCA Limits - Not Investigated
20210709.00	51131	46356.3	973.2	45.5	1101648.82	98017.74	Outside MCA Limits - Not Investigated
20210715.00	51132	50045.7	3876.2	77.2	1101614.99	98004.33	Outside MCA Limits - Not Investigated
20210709.00	51133	46394.8	1852.5	14.8	1101632.67	98000.09	Outside MCA Limits - Not Investigated
20210715.00	51134	46268.5	171.2	34.1	1101499.80	97997.25	Outside MCA Limits - Not Investigated
20210715.00	51135	46294.8	73.2	36.7	1101376.79	97996.92	Outside MCA Limits - Not Investigated
20210709.00	51136	46295.1	43.4	22.2	1101116.73	97993.72	Outside MCA Limits - Not Investigated
20210709.00	51137	46323.6	398.0	26.5	1101324.15	97966.84	Outside MCA Limits - Not Investigated
20210709.00	51138	46318.5	44.2	31.5	1101208.32	97966.77	Outside MCA Limits - Not Investigated
20210712.00	51139	46303.8	74.5	9.7	1100941.62	97959.28	Outside MCA Limits - Not Investigated
20210709.00	51140	48558.4	2339.9	34.0	1100937.75	97943.46	Outside MCA Limits - Not Investigated
20210715.00	51141	46358.6	115.2	14.9	1101315.10	97940.96	Outside MCA Limits - Not Investigated
20210715.00	51142	48348.2	2058.1	127.9	1100944.82	97934.98	Outside MCA Limits - Not Investigated
20210709.00	51143	47538.3	825.9	67.5	1100947.93	97930.99	Outside MCA Limits - Not Investigated
20210709.00	51144	46624.2	1445.6	1.4	1101766.20	97929.74	Outside MCA Limits - Not Investigated
20210715.00	51145	46298.6	1664.5	76.2	1101302.32	97929.41	Outside MCA Limits - Not Investigated
20210715.00	51146	47173.2	1255.6	37.1	1101758.15	97928.92	Outside MCA Limits - Not Investigated
20210709.00	51147	46689.6	370.6	163.4	1100964.48	97925.50	Outside MCA Limits - Not Investigated
20210712.00	51148	46554.7	274.3	66.9	1100971.25	97911.70	Outside MCA Limits - Not Investigated
20210712.00	51149	46312.5	300.3	47.1	1100972.68	97909.38	Outside MCA Limits - Not Investigated
20210715.00	51150	46280.2	264.6	49.9	1100769.96	97904.66	Outside MCA Limits - Not Investigated
20210709.00	51151	46440.6	98.7	22.9	1100969.45	97904.63	Outside MCA Limits - Not Investigated
20210709.00	51152	50742.9	5402.2	15.9	1101291.87	97892.37	Outside MCA Limits - Not Investigated
20210709.00	51153	53509.6	8147.2	23.2	1101289.95	97890.88	Outside MCA Limits - Not Investigated
20210712.00	51154	48155.2	1747.6	49.1	1100922.27	97889.90	Outside MCA Limits - Not Investigated
20210709.00	51155	46364.5	613.1	16.4	1100981.80	97889.54	Outside MCA Limits - Not Investigated
20210709.00	51156	47020.2	698.8	88.6	1100924.25	97889.17	Outside MCA Limits - Not Investigated
20210709.00	51157	46380.9	154.0	34.6	1100760.69	97883.47	Outside MCA Limits - Not Investigated
20210715.00	51158	47676.8	1487.3	26.5	1101690.46	97873.90	Outside MCA Limits - Not Investigated
20210709.00	51159	46856.2	561.7	76.7	1101697.59	97873.60	Outside MCA Limits - Not Investigated
20210709.00	51160	46537.4	324.1	62.2	1101700.55	97872.62	Outside MCA Limits - Not Investigated
20210715.00	51161	46628.4	845.9	100.5	1101689.05	97867.04	Outside MCA Limits - Not Investigated
20210709.00	51162	46409.6	74.9	32.1	1100894.20	97862.05	Outside MCA Limits - Not Investigated
20210709.00	51163	47819.9	1856.0	17.1	1101684.51	97858.66	Outside MCA Limits - Not Investigated
20210715.00	51164	46338.8	140.8	70.7	1101222.53	97857.02	Outside MCA Limits - Not Investigated
20210709.00	51165	46388.8	75.2	64.1	1101228.62	97854.91	Outside MCA Limits - Not Investigated
20210709.00	51166	46358.4	60.5	17.9	1101243.28	97854.27	Outside MCA Limits - Not Investigated
20210709.00	51167	46726.5	480.5	24.3	1101684.18	97851.65	Outside MCA Limits - Not Investigated
20210715.00	51168	46337.6	134.3	84.5	1101221.28	97851.38	Outside MCA Limits - Not Investigated
20210709.00	51169	46350.7	33.5	30.5	1101218.02	97845.56	Outside MCA Limits - Not Investigated
20210709.00	51170	46515.0	232.9	60.9	1100858.90	97830.22	Outside MCA Limits - Not Investigated
20210709.00	51171	46399.5	195.0	42.0	1101212.07	97829.77	Outside MCA Limits - Not Investigated
20210709.00	51172	46577.0	349.6	6.7	1101714.90	97819.80	Outside MCA Limits - Not Investigated
20210709.00	51173	46567.3	1255.1	17.8	1101710.42	97819.04	Outside MCA Limits - Not Investigated
20210709.00	51174	46330.0	158.8	20.0	1101703.72	97817.88	Outside MCA Limits - Not Investigated
20210709.00	51175	46312.8	130.0	4.8	1101701.86	97817.57	Outside MCA Limits - Not Investigated
20210709.00	51176	46891.1	703.4	15.6	1101699.20	97817.12	Outside MCA Limits - Not Investigated
20210709.00	51177	46658.9	395.6	7.3	1101697.59	97816.84	Outside MCA Limits - Not Investigated
20210709.00	51178	46498.1	244.8	0.6	1101696.19	97816.63	Outside MCA Limits - Not Investigated
20210709.00	51179	46359.9	365.4	10.2	1101681.71	97814.16	Outside MCA Limits - Not Investigated
20210709.00	51180	46652.2	1185.6	27.6	1101677.29	97813.40	Outside MCA Limits - Not Investigated
20210709.00	51181	46653.1	752.5	76.1	1101666.93	97811.66	Outside MCA Limits - Not Investigated
20210709.00	51182	46156.7	365.0	55.6	1101663.30	97811.02	Outside MCA Limits - Not Investigated
20210709.00	51183	46272.0	478.5	55.8	1100763.22	97810.29	Outside MCA Limits - Not Investigated
20210709.00	51184	48515.7	2229.7	131.6	1101648.67	97808.55	Outside MCA Limits - Not Investigated
20210709.00	51185	48855.5	2966.2	25.5	1101665.52	97803.46	Outside MCA Limits - Not Investigated
20210709.00	51186	46161.3	188.6	37.8	1101740.20	97801.63	Outside MCA Limits - Not Investigated
20210709.00	51187	46822.8	547.7	58.0	1100832.72	97795.02	Outside MCA Limits - Not Investigated

20210709.00	51188	46032.8	85.5	35.2	1101729.20	97793.37	Outside MCA Limits - Not Investigated
20210712.00	51189	48098.4	1913.2	41.4	1100911.69	97784.87	Outside MCA Limits - Not Investigated
20210715.00	51190	46253.6	333.1	35.5	1100919.04	97783.41	Outside MCA Limits - Not Investigated
20210709.00	51191	46356.3	310.8	46.3	1100887.58	97782.95	Outside MCA Limits - Not Investigated
20210709.00	51192	46322.5	487.6	29.0	1100916.78	97782.28	Outside MCA Limits - Not Investigated
20210709.00	51193	46317.9	441.0	109.5	1100793.77	97771.43	Outside MCA Limits - Not Investigated
20210712.00	51194	46686.4	475.2	38.7	1100937.45	97759.69	Outside MCA Limits - Not Investigated
20210712.00	51195	46493.4	315.8	21.5	1100935.34	97755.55	Outside MCA Limits - Not Investigated
20210709.00	51196	46327.8	93.9	33.8	1100985.03	97745.09	Outside MCA Limits - Not Investigated
20210709.00	51197	46561.1	341.5	39.0	1101101.25	97742.53	Outside MCA Limits - Not Investigated
20210709.00	51198	46647.4	706.4	27.7	1101099.60	97741.56	Outside MCA Limits - Not Investigated
20210709.00	51199	47081.2	1682.7	14.2	1101096.86	97739.42	Outside MCA Limits - Not Investigated
20210712.00	51200	46416.4	175.3	43.0	1100972.32	97737.87	Outside MCA Limits - Not Investigated
20210712.00	51201	47706.7	1472.0	30.6	1101019.81	97736.77	Outside MCA Limits - Not Investigated
20210712.00	51202	46202.6	415.8	34.2	1101020.02	97736.25	Outside MCA Limits - Not Investigated
20210709.00	51203	47318.8	1130.4	23.4	1101611.21	97732.20	Outside MCA Limits - Not Investigated
20210709.00	51204	46659.3	536.7	22.8	1101087.29	97731.90	Outside MCA Limits - Not Investigated
20210712.00	51205	48704.9	1820.1	10.2	1101021.82	97731.74	Outside MCA Limits - Not Investigated
20210712.00	51206	47565.5	1202.1	0.4	1101022.40	97730.31	Outside MCA Limits - Not Investigated
20210712.00	51207	51574.0	6934.6	41.3	1101059.95	97729.52	Outside MCA Limits - Not Investigated
20210715.00	51208	46276.0	1261.6	112.6	1100855.73	97728.66	Outside MCA Limits - Not Investigated
20210709.00	51209	46077.7	538.5	73.6	1100856.89	97728.45	Outside MCA Limits - Not Investigated
20210712.00	51210	49399.4	4483.4	32.4	1101023.74	97726.87	Outside MCA Limits - Not Investigated
20210715.00	51211	46572.1	4666.8	29.4	1101078.63	97726.50	Outside MCA Limits - Not Investigated
20210709.00	51212	47637.9	1530.1	42.8	1101080.46	97724.18	Outside MCA Limits - Not Investigated
20210712.00	51213	47558.6	2930.5	31.5	1101050.59	97724.06	Outside MCA Limits - Not Investigated
20210712.00	51214	47264.4	1054.6	47.9	1101026.51	97719.98	Outside MCA Limits - Not Investigated
20210712.00	51215	47434.7	8303.8	13.9	1101026.66	97719.58	Outside MCA Limits - Not Investigated
20210712.00	51216	47428.0	8297.2	3.5	1101026.69	97719.46	Outside MCA Limits - Not Investigated
20210715.00	51217	46403.3	250.9	49.5	1100838.48	97713.76	Outside MCA Limits - Not Investigated
20210709.00	51218	46517.9	595.9	36.4	1100945.95	97713.61	Outside MCA Limits - Not Investigated
20210712.00	51219	47236.7	945.8	29.9	1100962.90	97712.91	Outside MCA Limits - Not Investigated
20210712.00	51220	47990.0	3873.8	77.1	1100965.34	97711.63	Outside MCA Limits - Not Investigated
20210715.00	51221	46909.5	1276.2	29.3	1100951.68	97711.60	Outside MCA Limits - Not Investigated
20210712.00	51222	47399.2	2500.2	39.8	1100979.05	97709.55	Outside MCA Limits - Not Investigated
20210709.00	51223	45992.9	488.8	20.9	1100939.76	97708.61	Outside MCA Limits - Not Investigated
20210715.00	51224	46713.7	1175.4	57.9	1100946.17	97707.76	Outside MCA Limits - Not Investigated
20210715.00	51225	46442.2	2537.4	29.0	1100942.78	97704.07	Outside MCA Limits - Not Investigated
20210709.00	51226	46897.4	1393.3	49.3	1100934.00	97703.98	Outside MCA Limits - Not Investigated
20210715.00	51227	46204.7	447.3	69.4	1101563.81	97702.18	Outside MCA Limits - Not Investigated
20210709.00	51228	46752.5	512.6	63.0	1100988.59	97696.60	Outside MCA Limits - Not Investigated
20210709.00	51229	47757.5	1640.3	74.4	1100941.53	97694.86	Outside MCA Limits - Not Investigated
20210712.00	51230	46335.5	580.1	27.6	1101000.54	97694.80	Outside MCA Limits - Not Investigated
20210712.00	51231	46642.9	325.8	8.6	1100995.45	97691.84	Outside MCA Limits - Not Investigated
20210709.00	51232	46439.1	159.6	27.7	1101586.43	97691.63	Outside MCA Limits - Not Investigated
20210712.00	51233	46690.4	1224.8	4.6	1100993.35	97690.60	Outside MCA Limits - Not Investigated
20210712.00	51234	46844.9	869.7	1.9	1100992.77	97690.26	Outside MCA Limits - Not Investigated
20210709.00	51235	46286.2	121.9	14.3	1100947.32	97688.83	Outside MCA Limits - Not Investigated
20210712.00	51236	50081.3	5058.6	30.5	1100985.33	97685.93	Outside MCA Limits - Not Investigated
20210712.00	51237	47228.3	866.3	10.2	1100984.69	97685.57	Outside MCA Limits - Not Investigated
20210709.00	51238	46380.3	224.1	43.2	1100950.65	97685.35	Outside MCA Limits - Not Investigated
20210712.00	51239	47555.4	3325.2	57.4	1100979.33	97682.43	Outside MCA Limits - Not Investigated
20210709.00	51240	46285.0	1381.1	28.5	1101018.10	97677.64	Outside MCA Limits - Not Investigated
20210709.00	51241	46442.9	423.8	27.3	1101577.80	97677.52	Outside MCA Limits - Not Investigated
20210715.00	51242	46468.8	319.2	69.4	1100908.92	97675.36	Outside MCA Limits - Not Investigated
20210709.00	51243	46447.3	252.3	0.6	1101013.80	97674.26	Outside MCA Limits - Not Investigated
20210709.00	51244	46414.9	141.7	9.4	1101012.86	97673.53	Outside MCA Limits - Not Investigated
20210709.00	51245	46385.1	370.6	58.0	1100894.62	97672.25	Outside MCA Limits - Not Investigated
20210709.00	51246	46437.8	270.4	6.0	1101010.60	97671.76	Outside MCA Limits - Not Investigated
20210709.00	51247	46813.1	653.0	10.5	1101009.20	97670.69	Outside MCA Limits - Not Investigated
20210709.00	51248	46237.7	1474.6	53.0	1101004.14	97666.70	Outside MCA Limits - Not Investigated
20210715.00	51249	46507.9	358.8	72.0	1100892.89	97661.79	Outside MCA Limits - Not Investigated
20210715.00	51250	46782.4	1105.9	81.4	1100996.52	97652.04	Outside MCA Limits - Not Investigated

20210715.00	51251	46726.4	3397.0	51.1	1100996.12	97651.98	Outside MCA Limits - Not Investigated
20210709.00	51252	46353.9	2510.6	54.8	1100997.95	97651.37	Outside MCA Limits - Not Investigated
20210709.00	51253	46399.3	2039.9	44.8	1100991.73	97642.50	Outside MCA Limits - Not Investigated
20210709.00	51254	46784.1	536.2	226.3	1101527.39	97642.16	Outside MCA Limits - Not Investigated
20210709.00	51255	46401.9	113.8	27.6	1100981.52	97636.89	Outside MCA Limits - Not Investigated
20210712.00	51256	49266.2	3001.2	41.7	1100993.93	97615.00	Outside MCA Limits - Not Investigated
20210712.00	51257	46790.0	637.6	61.2	1100997.31	97614.79	Outside MCA Limits - Not Investigated
20210709.00	51258	46303.1	564.5	39.1	1101667.51	97611.35	Outside MCA Limits - Not Investigated
20210709.00	51259	46755.0	8429.9	53.0	1101535.40	97608.09	Outside MCA Limits - Not Investigated
20210709.00	51260	55690.2	11429.6	39.1	1101703.35	97603.45	Outside MCA Limits - Not Investigated
20210712.00	51261	46286.6	57.1	24.7	1101016.91	97600.74	Outside MCA Limits - Not Investigated
20210709.00	51262	46311.0	90.3	36.7	1100939.43	97599.73	Outside MCA Limits - Not Investigated
20210715.00	51263	46379.7	355.3	46.2	1100937.20	97598.21	Outside MCA Limits - Not Investigated
20210709.00	51264	47118.5	1143.7	24.3	1101738.22	97595.77	Outside MCA Limits - Not Investigated
20210709.00	51265	46443.9	161.5	9.7	1101743.00	97594.74	Outside MCA Limits - Not Investigated
20210709.00	51266	47834.6	1541.8	44.1	1101523.55	97588.70	Outside MCA Limits - Not Investigated
20210712.00	51267	46372.7	2459.4	46.9	1101100.55	97586.48	Outside MCA Limits - Not Investigated
20210709.00	51268	46507.5	2828.7	36.5	1101517.91	97579.43	Outside MCA Limits - Not Investigated
20210715.00	51269	46248.4	324.9	68.3	1101465.61	97578.43	Outside MCA Limits - Not Investigated
20210709.00	51270	46284.0	78.4	38.8	1101038.00	97576.90	Outside MCA Limits - Not Investigated
20210715.00	51271	46064.0	286.8	30.5	1101464.51	97576.69	Outside MCA Limits - Not Investigated
20210715.00	51272	46219.5	729.9	53.6	1101016.76	97566.88	Outside MCA Limits - Not Investigated
20210715.00	51273	46220.9	75.7	12.4	1101482.13	97562.67	Outside MCA Limits - Not Investigated
20210715.00	51274	46237.2	43.2	20.3	1101007.98	97559.04	Outside MCA Limits - Not Investigated
20210715.00	51275	48774.8	2551.6	42.3	1101466.52	97557.46	Outside MCA Limits - Not Investigated
20210709.00	51276	46768.1	637.8	62.2	1101013.34	97555.87	Outside MCA Limits - Not Investigated
20210715.00	51277	47425.7	1836.0	56.0	1101492.46	97554.44	Outside MCA Limits - Not Investigated
20210709.00	51278	47588.5	1418.7	26.4	1101368.47	97547.31	Outside MCA Limits - Not Investigated
20210709.00	51279	46566.1	527.8	55.2	1101274.07	97547.03	Outside MCA Limits - Not Investigated
20210715.00	51280	47997.3	3476.8	72.8	1101452.99	97545.33	Outside MCA Limits - Not Investigated
20210715.00	51281	46314.2	371.6	116.6	1101092.68	97544.05	Outside MCA Limits - Not Investigated
20210709.00	51282	46259.1	305.6	64.1	1101089.09	97540.97	Outside MCA Limits - Not Investigated
20210709.00	51283	46397.0	2150.7	27.3	1101493.74	97539.90	Outside MCA Limits - Not Investigated
20210715.00	51284	46498.7	833.7	87.7	1101090.37	97532.80	Outside MCA Limits - Not Investigated
20210709.00	51285	46567.2	954.8	39.3	1101092.26	97530.79	Outside MCA Limits - Not Investigated
20210709.00	51286	46159.9	879.6	53.3	1101290.53	97527.01	Outside MCA Limits - Not Investigated
20210715.00	51287	46394.9	682.1	51.7	1101429.09	97523.93	Outside MCA Limits - Not Investigated
20210709.00	51288	46142.9	1718.3	79.6	1100974.54	97522.77	Outside MCA Limits - Not Investigated
20210709.00	51289	46494.8	3052.2	66.2	1101071.62	97512.56	Outside MCA Limits - Not Investigated
20210715.00	51290	46663.8	1415.4	56.3	1101067.32	97511.95	Outside MCA Limits - Not Investigated
20210715.00	51291	46415.4	1398.1	57.6	1101128.89	97503.60	Outside MCA Limits - Not Investigated
20210715.00	51292	46620.2	343.8	32.8	1101280.65	97501.44	Outside MCA Limits - Not Investigated
20210709.00	51293	46464.1	2305.0	82.4	1101128.13	97500.28	Outside MCA Limits - Not Investigated
20210715.00	51294	47062.9	1013.0	68.0	1101162.73	97499.82	Outside MCA Limits - Not Investigated
20210715.00	51295	46393.9	10767.2	53.9	1101340.06	97494.55	Outside MCA Limits - Not Investigated
20210715.00	51296	46691.8	532.5	86.6	1101137.70	97493.76	Outside MCA Limits - Not Investigated
20210712.00	51297	47894.9	2998.4	69.9	1101187.17	97492.54	Outside MCA Limits - Not Investigated
20210715.00	51298	46670.5	599.5	19.5	1101392.61	97491.23	Outside MCA Limits - Not Investigated
20210715.00	51299	46304.0	105.1	17.2	1101145.57	97484.49	Outside MCA Limits - Not Investigated
20210715.00	51300	46724.0	1372.1	49.6	1101257.34	97480.56	Outside MCA Limits - Not Investigated
20210709.00	51301	46157.4	412.9	78.0	1101223.38	97479.64	Outside MCA Limits - Not Investigated
20210715.00	51302	46199.8	128.2	32.4	1101132.09	97472.48	Outside MCA Limits - Not Investigated
20210715.00	51303	46335.1	1044.4	38.1	1101246.06	97470.47	Outside MCA Limits - Not Investigated
20210709.00	51304	46222.8	116.5	24.3	1101158.34	97468.76	Outside MCA Limits - Not Investigated
20210715.00	51305	46906.8	3575.4	55.6	1101360.82	97462.73	Outside MCA Limits - Not Investigated
20210709.00	51306	48162.2	2051.5	81.2	1101184.34	97459.13	Outside MCA Limits - Not Investigated
20210715.00	51307	46756.9	2110.3	31.1	1101372.06	97458.86	Outside MCA Limits - Not Investigated
20210715.00	51308	46573.2	1055.1	33.4	1101229.05	97455.23	Outside MCA Limits - Not Investigated
20210715.00	51309	46066.3	72.6	14.2	1101112.28	97454.74	Outside MCA Limits - Not Investigated
20210715.00	51310	46125.7	461.6	18.7	1101108.53	97451.42	Outside MCA Limits - Not Investigated
20210715.00	51311	46376.3	276.9	29.1	1101176.05	97450.93	Outside MCA Limits - Not Investigated
20210715.00	51312	46391.9	1558.6	14.1	1101105.00	97448.25	Outside MCA Limits - Not Investigated
20210709.00	51313	47608.1	1477.6	53.0	1101195.92	97443.13	Outside MCA Limits - Not Investigated

20210715.00	51314	46049.8	410.8	24.4	1101183.57	97442.52	Outside MCA Limits - Not Investigated
20210715.00	51315	46407.4	500.1	11.8	1101392.88	97435.69	Outside MCA Limits - Not Investigated
20210715.00	51316	46920.7	746.2	32.2	1101395.11	97433.19	Outside MCA Limits - Not Investigated
20210715.00	51317	46156.4	573.1	17.2	1101327.17	97432.58	Outside MCA Limits - Not Investigated
20210715.00	51318	46770.2	1230.3	9.3	1101325.85	97431.42	Outside MCA Limits - Not Investigated
20210709.00	51319	46658.4	3741.2	57.4	1101183.21	97426.18	Outside MCA Limits - Not Investigated
20210709.00	51320	46355.9	614.0	37.2	1101128.65	97423.53	Outside MCA Limits - Not Investigated
20210715.00	51321	45947.4	968.8	34.2	1101202.26	97421.64	Outside MCA Limits - Not Investigated
20210715.00	51322	47533.0	1987.8	58.6	1101314.52	97421.24	Outside MCA Limits - Not Investigated
20210709.00	51323	46076.0	334.1	47.0	1101122.49	97419.57	Outside MCA Limits - Not Investigated
20210709.00	51324	48129.8	4886.2	26.9	1101175.41	97415.85	Outside MCA Limits - Not Investigated
20210715.00	51325	53566.5	6779.0	23.3	1101308.15	97415.12	Outside MCA Limits - Not Investigated
20210709.00	51326	47073.1	1863.1	107.3	1101165.80	97414.81	Outside MCA Limits - Not Investigated
20210709.00	51327	46373.2	233.8	20.6	1101173.97	97413.93	Outside MCA Limits - Not Investigated
20210715.00	51328	46386.3	902.5	28.3	1101180.40	97411.67	Outside MCA Limits - Not Investigated
20210715.00	51329	46115.9	226.4	15.1	1101212.99	97409.66	Outside MCA Limits - Not Investigated
20210709.00	51330	46402.6	600.9	13.5	1101104.30	97407.95	Outside MCA Limits - Not Investigated
20210709.00	51331	46282.8	2280.5	40.7	1101272.51	97407.65	Outside MCA Limits - Not Investigated
20210709.00	51332	46046.7	1107.8	22.7	1101168.30	97406.37	Outside MCA Limits - Not Investigated
20210709.00	51333	46303.4	485.3	15.7	1101301.20	97405.97	Outside MCA Limits - Not Investigated
20210709.00	51334	46309.6	372.4	21.8	1101100.82	97405.73	Outside MCA Limits - Not Investigated
20210715.00	51335	46668.9	2126.9	54.0	1101173.76	97405.73	Outside MCA Limits - Not Investigated
20210709.00	51336	46170.8	1799.5	4.1	1101166.75	97404.30	Outside MCA Limits - Not Investigated
20210715.00	51337	46621.6	533.3	14.7	1101218.75	97403.23	Outside MCA Limits - Not Investigated
20210709.00	51338	46282.6	265.9	25.9	1101322.65	97402.89	Outside MCA Limits - Not Investigated
20210709.00	51339	46276.3	1086.2	42.9	1101334.54	97401.19	Outside MCA Limits - Not Investigated
20210709.00	51340	46233.9	681.8	57.1	1101091.68	97399.88	Outside MCA Limits - Not Investigated
20210709.00	51341	47767.7	2460.2	52.8	1101362.86	97397.10	Outside MCA Limits - Not Investigated
20210709.00	51342	46350.5	91.0	17.8	1101380.93	97394.51	Outside MCA Limits - Not Investigated
20210709.00	51343	46637.1	723.4	34.5	1101399.74	97391.80	Outside MCA Limits - Not Investigated
20210709.00	51344	46369.3	177.5	44.8	1101429.64	97387.50	Outside MCA Limits - Not Investigated
20210709.00	51345	46223.2	847.8	57.4	1101070.01	97386.04	Outside MCA Limits - Not Investigated
20210715.00	51346	49320.3	2981.6	127.9	1101270.50	97383.48	Outside MCA Limits - Not Investigated
20210715.00	51347	46048.7	828.4	20.0	1101445.09	97381.50	Outside MCA Limits - Not Investigated
20210709.00	51348	50028.8	3934.9	228.6	1101264.50	97380.10	Outside MCA Limits - Not Investigated
20210709.00	51349	46319.1	356.1	5.7	1101206.89	97380.06	Outside MCA Limits - Not Investigated
20210709.00	51350	46344.3	381.3	23.8	1101208.57	97379.64	Outside MCA Limits - Not Investigated
20210709.00	51351	46312.2	214.3	16.7	1101211.34	97378.88	Outside MCA Limits - Not Investigated
20210709.00	51352	48154.8	1874.8	201.5	1101547.60	97370.52	Outside MCA Limits - Not Investigated
20210709.00	51353	46343.4	121.3	28.3	1101591.95	97364.12	Outside MCA Limits - Not Investigated
20210709.00	51354	46369.2	150.1	20.6	1101600.78	97362.87	Outside MCA Limits - Not Investigated
20210715.00	51355	47962.4	3810.2	69.0	1101207.14	97330.20	Outside MCA Limits - Not Investigated
20210719.00	52000	46274.4	409.5	7.6	1101002.89	97046.58	Single Hit - Not Investigated
20210716.00	52001	47871.1	3204.0	37.1	1101156.29	96971.57	Nothing found with MAG - Not Pipeline
20210716.00	52002	46239.5	423.0	18.3	1101109.63	96952.61	Nothing found with MAG - Not Pipeline
20210716.00	52003	46379.1	630.6	21.7	1101111.37	96951.12	Nothing found with MAG - Not Pipeline
20210716.00	52004	48302.7	2085.6	71.1	1101145.57	96950.91	Nothing found with MAG - Not Pipeline
20210716.00	52005	46379.6	631.1	29.9	1101115.51	96947.65	Nothing found with MAG - Not Pipeline
20210716.00	52006	46275.3	458.7	18.4	1101120.66	96943.35	Nothing found with MAG - Not Pipeline
20210712.00	52007	46467.9	572.5	48.6	1101152.21	96943.29	Nothing found with MAG - Not Pipeline
20210712.00	52008	46432.4	143.7	40.4	1101011.48	96926.46	Single Hit - Not Investigated
20210712.00	52009	46363.2	176.9	31.1	1101010.51	96911.95	Single Hit - Not Investigated
20210716.00	52010	46403.4	155.7	16.5	1101127.13	96884.61	Nothing found with MAG - Not Pipeline
20210713.00	52011	46475.4	248.0	23.8	1101012.70	96870.07	Single Hit - Not Investigated
20210716.00	52012	46374.2	106.8	36.0	1101117.01	96854.50	Nothing found with MAG - Not Pipeline
20210713.00	52013	47014.1	1406.9	16.0	1101047.48	96809.75	Single Hit - Not Investigated
20210716.00	52014	46994.2	884.4	58.5	1101101.25	96807.56	Nothing found with MAG - Not Pipeline
20210712.00	52015	46213.4	625.8	60.9	1101109.84	96805.61	Nothing found with MAG - Not Pipeline
20210716.00	52016	46538.5	630.4	66.2	1101296.93	96795.52	Exposed Pipe (Owner Unknown)
20210716.00	52017	47032.1	788.5	55.2	1101095.55	96790.58	Nothing found with MAG - Not Pipeline
20210713.00	52018	46569.1	608.7	12.1	1101184.52	96750.35	Single Hit - Not Investigated
20210712.00	52019	46312.6	24.9	28.9	1100998.04	96723.07	Single Hit - Not Investigated
20210712.00	52020	47922.5	1768.9	57.2	1101298.00	96720.45	Exposed Pipe (Owner Unknown)

20210713.00	52021	46388.3	139.5	10.9	1101027.12	96719.93	Single Hit - Not Investigated
20210716.00	52022	47508.8	1637.8	73.5	1101409.49	96701.09	Single Hit - Not Investigated
20210712.00	52023	46300.8	722.9	25.4	1101523.82	96684.85	Single Hit - Not Investigated
20210712.00	52024	48057.7	1936.8	79.5	1101219.78	96633.73	Exposed Pipe (12" Chevron Pipeline)
20210713.00	52025	46689.0	510.4	28.8	1101201.65	96631.02	Exposed Pipe (12" Chevron Pipeline)
20210712.00	52026	46645.0	2407.8	39.5	1101060.77	96627.12	Single Hit - Not Investigated
20210712.00	52027	46617.4	498.5	81.2	1101228.07	96620.99	Exposed Pipe (12" Chevron Pipeline)
20210712.00	52028	46567.5	367.0	41.7	1101058.12	96593.56	Single Hit - Not Investigated
20210716.00	52029	47612.6	1576.4	47.0	1101024.59	96579.14	±0.4' Mud Cover (Cut Pipeline - Owner Unknown)
20210712.00	52030	46576.6	777.8	130.5	1101149.22	96562.87	Exposed Pipe (12" Chevron Pipeline)
20210712.00	52031	46402.7	1898.3	51.1	1101031.02	96492.58	±0.2' Mud Cover (Cut Pipeline - Owner Unknown)
20210712.00	52032	46531.1	361.9	36.0	1101074.46	96490.17	±0.9' Mud Cover (12" Chevron Pipeline)
20210712.00	52033	48650.6	2533.1	89.4	1101049.77	96488.83	±1.1' Mud Cover (12" Chevron Pipeline)
20210719.00	52034	47794.7	2307.7	33.4	1101138.89	96486.03	Single Hit - Not Investigated
20210713.00	52035	48719.6	4134.6	68.6	1101224.36	96472.92	Nothing found with MAG - Not Pipeline
20210712.00	52036	49147.4	6026.2	28.6	1101430.49	96470.45	±0.7' Mud Cover (Cut Pipeline - Owner Unknown)
20210719.00	52037	46311.4	5941.1	22.1	1101057.51	96460.33	±1.4' Mud Cover (12" Chevron Pipeline)
20210719.00	52038	46671.9	496.6	30.8	1101037.09	96453.90	±1.6' Mud Cover (12" Chevron Pipeline)
20210719.00	52039	48830.0	4335.1	61.5	1100955.95	96428.27	±2.4' Mud Cover (12" Chevron Pipeline)
20210713.00	52040	48008.4	1959.5	74.0	1100959.73	96422.38	±2.4' Mud Cover (12" Chevron Pipeline)
20210716.00	52041	48007.4	2091.1	68.6	1100970.76	96418.66	±2.4' Mud Cover (12" Chevron Pipeline)
20210712.00	52042	47490.1	1563.1	62.9	1100977.47	96411.90	±2.4' Mud Cover (12" Chevron Pipeline)
20210716.00	52043	46206.1	2398.1	20.8	1100966.25	96405.28	±2.4' Mud Cover (12" Chevron Pipeline)
20210713.00	52044	47344.1	1533.4	10.2	1100955.19	96402.33	±2.4' Mud Cover (12" Chevron Pipeline)
20210713.00	52045	48584.7	7463.3	28.5	1101235.82	96392.91	Nothing found with MAG - Not Pipeline
20210713.00	52046	50518.6	6490.4	15.6	1101236.67	96387.00	Nothing found with MAG - Not Pipeline
20210716.00	52047	47116.7	848.3	36.4	1100958.97	96383.55	±2.4' Mud Cover (12" Chevron Pipeline)
20210713.00	52048	52944.3	7597.9	18.7	1101237.77	96379.38	Nothing found with MAG - Not Pipeline
20210713.00	52049	48102.8	6431.1	26.6	1101238.74	96372.55	Nothing found with MAG - Not Pipeline
20210712.00	52050	48489.7	2331.5	8.9	1100957.26	96359.17	±2.4' Mud Cover (12" Chevron Pipeline)
20210713.00	52051	48368.0	2809.1	38.2	1100966.74	96323.48	Single Hit - Not Investigated
20210713.00	52052	50546.3	6559.6	32.9	1101246.91	96315.70	Nothing found with MAG - Not Pipeline
20210713.00	52053	48952.7	7651.8	35.6	1101249.05	96300.86	Nothing found with MAG - Not Pipeline
20210712.00	52054	46495.0	322.3	65.5	1100969.91	96297.38	Single Hit - Not Investigated
20210713.00	52055	51033.2	11584.7	50.2	1101256.39	96249.62	Nothing found with MAG - Not Pipeline
20210716.00	52056	50667.6	8942.8	37.9	1100965.00	96237.80	Single Hit - Not Investigated
20210719.00	52057	49764.7	7313.8	36.7	1100962.99	96235.18	Single Hit - Not Investigated
20210719.00	52058	48527.7	6076.8	61.5	1100962.29	96220.06	Single Hit - Not Investigated
20210716.00	52059	48796.9	7072.1	58.0	1100963.75	96219.90	Single Hit - Not Investigated
20210719.00	52060	46274.3	5231.6	25.6	1101261.08	96206.25	Exposed Pipe (Cut Pipeline - Owner Unknown)
20210716.00	52061	46132.7	696.3	53.6	1100957.11	96203.63	Single Hit - Not Investigated
20210716.00	52062	46279.4	122.9	12.9	1101027.94	96198.81	Nothing found with MAG - Not Pipeline
20210716.00	52063	46253.5	96.9	10.1	1101031.14	96198.60	Nothing found with MAG - Not Pipeline
20210713.00	52064	47087.1	3384.6	54.8	1100946.26	96194.42	Single Hit - Not Investigated
20210713.00	52065	51262.4	5560.9	29.8	1100957.78	96193.84	Single Hit - Not Investigated
20210713.00	52066	57764.3	11630.8	29.7	1101092.26	96186.96	Nothing found with MAG - Not Pipeline
20210713.00	52067	52848.5	12522.2	53.8	1101118.68	96185.61	Nothing found with MAG - Not Pipeline
20210713.00	52068	47735.8	3521.6	30.3	1101121.73	96185.46	Nothing found with MAG - Not Pipeline
20210716.00	52069	46422.1	1452.9	17.1	1100934.43	96183.45	Single Hit - Not Investigated
20210713.00	52070	50835.6	6594.3	22.7	1101167.45	96183.12	Nothing found with MAG - Not Pipeline
20210713.00	52071	48942.8	3996.9	18.8	1101182.11	96182.38	Nothing found with MAG - Not Pipeline
20210716.00	52072	47365.9	1080.9	9.8	1100934.83	96182.14	Single Hit - Not Investigated
20210712.00	52073	50888.4	12431.8	34.2	1101068.21	96052.20	Exposed Pipe (Cut Pipeline - Owner Unknown)
20210712.00	52074	52384.8	11142.2	26.0	1101080.61	96051.01	Exposed Pipe (Cut Pipeline - Owner Unknown)
20210712.00	52075	50020.1	3488.8	36.3	1101089.94	96050.10	Exposed Pipe (Cut Pipeline - Owner Unknown)
20210712.00	52076	47769.6	4804.7	56.9	1101106.22	96048.52	Exposed Pipe (Cut Pipeline - Owner Unknown)
20210712.00	52077	46561.4	247.1	37.9	1101029.38	97197.58	Outside MCA Limits - Not Investigated
20210716.00	52078	46234.6	1226.6	33.4	1101256.09	97117.42	Outside MCA Limits - Not Investigated
20210716.00	52079	46661.2	3010.1	26.1	1101182.51	97102.42	Outside MCA Limits - Not Investigated
20210716.00	52080	46247.5	925.6	70.1	1101098.41	97099.68	Outside MCA Limits - Not Investigated
20210712.00	52081	46769.6	489.3	38.1	1101022.82	97098.19	Outside MCA Limits - Not Investigated
20210716.00	52082	46224.9	557.3	19.7	1101047.36	97095.26	Outside MCA Limits - Not Investigated
20210716.00	52083	46505.3	3975.1	50.8	1101252.76	97081.12	Outside MCA Limits - Not Investigated

20210716.00	52084	47148.2	1956.8	18.5	1101176.78	97041.22	Outside MCA Limits - Not Investigated
20210716.00	52085	46275.6	513.1	36.9	1101620.41	97018.08	Outside MCA Limits - Not Investigated
20210712.00	52086	46434.4	1964.4	70.6	1101627.94	97017.78	Outside MCA Limits - Not Investigated
20210716.00	52087	48052.0	2931.2	39.3	1101159.07	96979.86	Outside MCA Limits - Not Investigated
20210716.00	52088	47891.4	1742.9	25.8	1101339.51	96950.27	Outside MCA Limits - Not Investigated
20210716.00	52089	46332.6	142.4	38.8	1101230.94	96947.43	Outside MCA Limits - Not Investigated
20210712.00	52090	46359.5	128.7	73.1	1101243.19	96945.36	Outside MCA Limits - Not Investigated
20210712.00	52091	46398.2	1041.2	64.9	1101544.98	96938.41	Outside MCA Limits - Not Investigated
20210712.00	52092	46384.0	180.2	65.5	1101232.37	96937.46	Outside MCA Limits - Not Investigated
20210712.00	52093	46661.1	486.7	48.5	1101395.81	96936.98	Outside MCA Limits - Not Investigated
20210713.00	52094	46417.2	107.1	22.8	1100960.55	96933.35	Outside MCA Limits - Not Investigated
20210713.00	52095	46509.0	552.6	9.2	1100994.17	96929.54	Outside MCA Limits - Not Investigated
20210712.00	52096	46777.6	477.8	69.3	1101398.82	96925.36	Outside MCA Limits - Not Investigated
20210713.00	52097	46385.8	172.7	17.6	1100958.69	96919.09	Outside MCA Limits - Not Investigated
20210712.00	52098	47747.0	1511.1	87.4	1101531.23	96915.73	Outside MCA Limits - Not Investigated
20210713.00	52099	46725.8	497.7	25.6	1101005.97	96868.82	Outside MCA Limits - Not Investigated
20210712.00	52100	47673.9	3630.0	64.1	1101480.05	96867.76	Outside MCA Limits - Not Investigated
20210713.00	52101	46344.5	441.8	22.7	1100949.94	96851.11	Outside MCA Limits - Not Investigated
20210712.00	52102	46389.0	148.0	50.1	1101005.48	96835.54	Outside MCA Limits - Not Investigated
20210712.00	52103	46308.8	128.3	26.6	1101004.69	96823.96	Outside MCA Limits - Not Investigated
20210712.00	52104	46935.2	688.8	52.9	1101004.44	96820.24	Outside MCA Limits - Not Investigated
20210712.00	52105	46259.6	195.3	38.3	1100947.05	96817.92	Outside MCA Limits - Not Investigated
20210712.00	52106	46260.3	201.3	53.2	1101012.49	96812.98	Outside MCA Limits - Not Investigated
20210713.00	52107	47260.6	1017.3	28.7	1100944.76	96811.09	Outside MCA Limits - Not Investigated
20210712.00	52108	46393.7	1445.7	87.3	1101533.85	96805.00	Outside MCA Limits - Not Investigated
20210712.00	52109	46436.4	1277.3	57.7	1101383.95	96789.09	Outside MCA Limits - Not Investigated
20210712.00	52110	46602.2	810.8	91.3	1101384.22	96784.88	Outside MCA Limits - Not Investigated
20210712.00	52111	46441.5	168.7	62.3	1101001.88	96781.10	Outside MCA Limits - Not Investigated
20210712.00	52112	46331.8	563.0	58.7	1101574.72	96770.46	Outside MCA Limits - Not Investigated
20210712.00	52113	46642.0	428.4	42.6	1101591.55	96744.31	Outside MCA Limits - Not Investigated
20210712.00	52114	46423.2	136.8	38.2	1101586.40	96705.66	Outside MCA Limits - Not Investigated
20210712.00	52115	46349.3	79.0	32.0	1100926.93	96656.90	Outside MCA Limits - Not Investigated
20210712.00	52116	46533.1	244.8	26.4	1101516.69	96599.65	Outside MCA Limits - Not Investigated
20210712.00	52117	46411.0	375.4	25.9	1101515.38	96583.96	Outside MCA Limits - Not Investigated
20210716.00	52118	49128.3	4778.6	25.1	1101549.91	96583.32	Outside MCA Limits - Not Investigated
20210712.00	52119	46255.0	469.4	39.3	1101514.59	96574.42	Outside MCA Limits - Not Investigated
20210716.00	52120	47154.8	4177.0	2.9	1101570.85	96565.76	Outside MCA Limits - Not Investigated
20210712.00	52121	46558.5	331.9	17.4	1101567.32	96562.07	Outside MCA Limits - Not Investigated
20210716.00	52122	46890.3	657.1	12.8	1101575.58	96561.80	Outside MCA Limits - Not Investigated
20210716.00	52123	46268.1	109.3	11.3	1100887.98	96507.91	Outside MCA Limits - Not Investigated
20210712.00	52124	47440.8	1130.8	15.5	1101435.28	96464.05	Outside MCA Limits - Not Investigated
20210719.00	52125	46581.0	720.6	35.1	1100935.74	96421.90	Outside MCA Limits - Not Investigated
20210719.00	52126	47510.8	1676.5	12.9	1100868.41	96400.62	Outside MCA Limits - Not Investigated
20210713.00	52127	46726.6	382.5	15.1	1100937.66	96373.19	Outside MCA Limits - Not Investigated
20210716.00	52128	46284.3	72.9	19.4	1100885.48	96368.19	Outside MCA Limits - Not Investigated
20210712.00	52129	47269.2	842.6	30.6	1100925.80	96361.73	Outside MCA Limits - Not Investigated
20210713.00	52130	46723.1	424.4	95.0	1100886.76	96361.58	Outside MCA Limits - Not Investigated
20210712.00	52131	46660.6	589.1	4.1	1100937.78	96360.75	Outside MCA Limits - Not Investigated
20210713.00	52132	46387.2	233.4	28.9	1100922.97	96360.51	Outside MCA Limits - Not Investigated
20210716.00	52133	48131.0	2153.4	56.2	1100941.14	96330.46	Outside MCA Limits - Not Investigated
20210712.00	52134	60480.3	14677.3	44.4	1101364.17	96325.73	Outside MCA Limits - Not Investigated
20210712.00	52135	46817.8	13987.8	49.3	1101346.00	96314.54	Outside MCA Limits - Not Investigated
20210716.00	52136	46847.4	654.4	63.2	1100935.25	96313.54	Outside MCA Limits - Not Investigated
20210716.00	52137	46181.3	1503.7	45.3	1100923.67	96278.37	Outside MCA Limits - Not Investigated
20210716.00	52138	47916.9	3680.2	68.6	1100932.14	96262.70	Outside MCA Limits - Not Investigated
20210713.00	52139	46332.2	21.9	11.0	1100908.40	96242.55	Outside MCA Limits - Not Investigated
20210716.00	52140	53150.4	6883.9	34.6	1100928.03	96212.04	Outside MCA Limits - Not Investigated
20210713.00	52141	47090.5	3085.6	43.4	1100929.86	96195.28	Outside MCA Limits - Not Investigated
20210712.00	52142	46388.5	190.3	43.3	1101264.53	96190.40	Outside MCA Limits - Not Investigated
20210712.00	52143	51094.4	6426.4	26.4	1101259.93	96189.73	Outside MCA Limits - Not Investigated
20210712.00	52144	46329.3	131.1	7.6	1101263.86	96182.72	Outside MCA Limits - Not Investigated
20210713.00	52145	49146.1	4106.8	18.7	1101253.50	96178.73	Outside MCA Limits - Not Investigated
20210713.00	52146	49805.4	7044.8	3.8	1101265.93	96178.09	Outside MCA Limits - Not Investigated

20210712.00	52147	49076.9	5856.7	51.5	1101270.23	96177.11	Outside MCA Limits - Not Investigated
20210716.00	52148	46292.1	218.1	19.1	1100927.85	96168.70	Outside MCA Limits - Not Investigated
20210716.00	52149	46590.4	411.2	34.3	1100924.28	96160.62	Outside MCA Limits - Not Investigated
20210712.00	52150	46369.8	562.2	15.0	1101333.66	96160.29	Outside MCA Limits - Not Investigated
20210716.00	52151	46179.2	978.3	5.2	1100920.99	96153.21	Outside MCA Limits - Not Investigated
20210712.00	52152	46657.6	1459.2	32.8	1100959.30	96128.46	Outside MCA Limits - Not Investigated
20210712.00	52153	46316.9	488.7	18.7	1101181.04	96075.19	Outside MCA Limits - Not Investigated
20210712.00	52154	47035.7	1176.0	5.4	1101181.11	96069.64	Outside MCA Limits - Not Investigated
20210712.00	52155	46734.5	712.2	6.2	1101181.14	96069.58	Outside MCA Limits - Not Investigated
20210712.00	52156	46415.2	5859.5	52.3	1101181.17	96065.07	Outside MCA Limits - Not Investigated
20210719.00	52157	50117.5	4260.3	40.1	1101023.01	96054.28	Outside MCA Limits - Not Investigated
20210712.00	52158	46464.5	563.0	12.9	1101251.09	96039.71	Outside MCA Limits - Not Investigated
20210712.00	52159	46797.9	7761.8	35.2	1101108.01	96012.70	Outside MCA Limits - Not Investigated
20210712.00	52160	46293.4	137.4	23.3	1101020.20	96009.84	Outside MCA Limits - Not Investigated
20210712.00	52161	46380.6	148.6	69.2	1101022.15	96006.03	Outside MCA Limits - Not Investigated
20210712.00	52162	46518.3	219.7	52.2	1101040.14	95998.01	Outside MCA Limits - Not Investigated
20210716.00	53000	46313.0	61.8	21.7	1100690.86	96105.76	Nothing found with MAG - Not Pipeline
20210716.00	53001	46297.6	38.6	17.8	1100686.41	96098.41	Nothing found with MAG - Not Pipeline
20210716.00	53002	46285.4	50.1	27.9	1100677.97	96084.45	Nothing found with MAG - Not Pipeline
20210716.00	53003	46282.0	46.2	21.4	1100673.06	96076.37	Nothing found with MAG - Not Pipeline
20210716.00	53004	46298.9	49.7	23.3	1100792.09	96072.81	Single Hit - Not Investigated
20210716.00	53005	50225.4	3917.2	46.8	1100692.75	96063.82	Nothing found with MAG - Not Pipeline
20210716.00	53006	46243.5	1369.2	39.3	1100672.79	96051.56	Nothing found with MAG - Not Pipeline
20210716.00	53007	46297.9	52.1	8.0	1100657.98	96051.47	Nothing found with MAG - Not Pipeline
20210716.00	53008	46756.4	570.3	13.9	1100666.51	96047.72	Nothing found with MAG - Not Pipeline
20210716.00	53009	46294.2	67.7	10.0	1100652.19	96041.93	Nothing found with MAG - Not Pipeline
20210716.00	53010	46262.6	51.6	28.4	1100647.67	96034.49	Nothing found with MAG - Not Pipeline
20210716.00	53011	48734.8	2572.2	4.4	1100640.12	96031.57	Nothing found with MAG - Not Pipeline
20210716.00	53012	47839.3	1617.7	14.1	1100618.93	96018.55	Nothing found with MAG - Not Pipeline
20210716.00	53013	48116.3	2242.7	44.5	1100593.79	96003.16	Nothing found with MAG - Not Pipeline
20210716.00	53014	46310.0	60.5	16.2	1100751.76	95990.82	Single Hit - Not Investigated
20210716.00	53015	47020.7	1060.2	54.5	1100559.01	95981.86	Nothing found with MAG - Not Pipeline
20210713.00	53016	46223.1	74.9	31.2	1100727.44	95974.63	Single Hit - Not Investigated
20210716.00	53017	46193.3	930.8	20.7	1100544.13	95972.74	Nothing found with MAG - Not Pipeline
20210713.00	53018	46221.8	87.0	45.7	1100724.18	95963.26	Single Hit - Not Investigated
20210716.00	53019	46434.7	212.7	45.0	1100736.80	95960.37	Single Hit - Not Investigated
20210716.00	53020	46456.3	309.2	16.2	1100687.39	95957.99	Single Hit - Not Investigated
20210713.00	53021	46577.7	439.9	21.8	1100568.27	95951.16	Single Hit - Not Investigated
20210713.00	53022	46669.2	643.4	22.4	1100592.05	95934.15	Single Hit - Not Investigated
20210713.00	53023	46331.6	41.7	34.8	1100656.00	95902.73	Single Hit - Not Investigated
20210713.00	53024	46590.4	1869.5	88.1	1100357.23	95835.43	Exposed Pipe (12" Chevron Pipeline)
20210713.00	53025	52398.9	6332.8	28.6	1100636.34	95829.09	Single Hit - Not Investigated
20210713.00	53026	46287.2	1038.2	51.8	1100289.17	95773.92	Exposed Pipe (12" Chevron Pipeline)
20210716.00	53027	46269.0	116.5	22.9	1100154.66	95760.05	Single Hit - Not Investigated
20210716.00	53028	46255.9	107.9	17.3	1100147.96	95759.47	Single Hit - Not Investigated
20210716.00	53029	46289.1	69.8	8.1	1100088.95	95754.44	Single Hit - Not Investigated
20210716.00	53030	46266.6	114.1	13.8	1100029.94	95749.45	Single Hit - Not Investigated
20210716.00	53031	46325.5	83.5	4.2	1100025.40	95749.05	Single Hit - Not Investigated
20210714.00	53032	47207.9	1286.0	6.7	1099902.87	95709.15	Single Hit - Not Investigated
20210716.00	53033	47778.6	2457.0	103.4	1100180.36	95669.56	±0.9' Mud Cover (12" Chevron Pipeline)
20210716.00	53034	46547.1	344.9	63.0	1100157.34	95627.43	±1.5' Mud Cover (12" Chevron Pipeline)
20210713.00	53035	47922.0	1719.9	76.8	1100094.95	95591.13	±2.2' Mud Cover (12" Chevron Pipeline)
20210713.00	53036	46343.7	365.7	36.6	1100752.92	96203.60	Outside MCA Limits - Not Investigated
20210713.00	53037	46438.8	673.9	22.1	1100757.07	96195.09	Outside MCA Limits - Not Investigated
20210713.00	53038	47783.6	1995.9	51.3	1100762.13	96184.67	Outside MCA Limits - Not Investigated
20210714.00	53039	47716.4	1441.4	52.2	1100708.67	96168.18	Outside MCA Limits - Not Investigated
20210714.00	53040	47597.7	1293.8	42.9	1100701.44	96164.07	Outside MCA Limits - Not Investigated
20210713.00	53041	47959.0	1802.1	36.7	1100707.45	96162.97	Outside MCA Limits - Not Investigated
20210713.00	53042	46372.2	1185.8	65.6	1100706.41	96153.73	Outside MCA Limits - Not Investigated
20210713.00	53043	47079.5	1049.9	50.1	1100678.19	96150.62	Outside MCA Limits - Not Investigated
20210714.00	53044	47428.2	1243.7	36.9	1100657.25	96138.89	Outside MCA Limits - Not Investigated
20210714.00	53045	46534.3	1638.1	8.9	1100641.52	96129.93	Outside MCA Limits - Not Investigated
20210714.00	53046	46310.8	583.5	30.3	1100641.30	96129.81	Outside MCA Limits - Not Investigated

20210714.00	53047	46830.1	570.0	8.6	1100625.30	96120.69	Outside MCA Limits - Not Investigated
20210714.00	53048	48971.5	2769.0	12.8	1100601.41	96107.10	Outside MCA Limits - Not Investigated
20210716.00	53049	46540.4	357.1	28.3	1100640.09	96090.36	Outside MCA Limits - Not Investigated
20210714.00	53050	46463.5	1345.3	9.3	1100569.25	96088.78	Outside MCA Limits - Not Investigated
20210713.00	53051	46386.4	423.1	27.4	1100634.39	96083.99	Outside MCA Limits - Not Investigated
20210714.00	53052	46348.2	903.9	40.3	1100544.93	96074.91	Outside MCA Limits - Not Investigated
20210713.00	53053	46454.1	211.1	38.6	1100338.49	96066.77	Outside MCA Limits - Not Investigated
20210714.00	53054	46368.9	1268.8	11.8	1100499.63	96049.13	Outside MCA Limits - Not Investigated
20210714.00	53055	48329.9	2211.9	30.4	1100466.56	96030.26	Outside MCA Limits - Not Investigated
20210714.00	53056	46403.8	2761.6	6.3	1100441.48	96015.99	Outside MCA Limits - Not Investigated
20210713.00	53057	46338.0	198.6	11.7	1100776.09	96010.32	Outside MCA Limits - Not Investigated
20210713.00	53058	46423.5	977.2	34.6	1100527.19	96010.20	Outside MCA Limits - Not Investigated
20210713.00	53059	46590.5	406.7	14.5	1100411.88	96007.22	Outside MCA Limits - Not Investigated
20210713.00	53060	46990.5	742.6	16.6	1100407.89	96005.11	Outside MCA Limits - Not Investigated
20210714.00	53061	46905.1	954.8	37.8	1100413.25	95999.90	Outside MCA Limits - Not Investigated
20210714.00	53062	47116.4	862.1	10.1	1100388.69	95985.91	Outside MCA Limits - Not Investigated
20210713.00	53063	47095.3	957.7	47.6	1100518.96	95972.38	Outside MCA Limits - Not Investigated
20210714.00	53064	46205.5	3338.7	15.6	1100363.60	95971.61	Outside MCA Limits - Not Investigated
20210714.00	53065	46504.7	1910.1	2.5	1100342.30	95959.48	Outside MCA Limits - Not Investigated
20210713.00	53066	46225.1	1487.7	73.5	1100299.65	95948.08	Outside MCA Limits - Not Investigated
20210714.00	53067	46804.6	555.1	31.1	1100320.75	95947.20	Outside MCA Limits - Not Investigated
20210716.00	53068	51685.9	5747.0	69.0	1100498.90	95945.01	Outside MCA Limits - Not Investigated
20210716.00	53069	46381.8	250.0	14.7	1100492.32	95940.98	Outside MCA Limits - Not Investigated
20210714.00	53070	46376.2	1436.2	40.7	1100303.37	95937.29	Outside MCA Limits - Not Investigated
20210716.00	53071	46779.3	592.1	6.7	1100467.54	95925.77	Outside MCA Limits - Not Investigated
20210713.00	53072	47283.3	1393.6	40.5	1100479.39	95920.16	Outside MCA Limits - Not Investigated
20210716.00	53073	47343.2	1304.2	43.1	1100455.65	95918.52	Outside MCA Limits - Not Investigated
20210713.00	53074	46374.2	108.1	42.9	1100325.38	95917.57	Outside MCA Limits - Not Investigated
20210714.00	53075	47157.3	1029.8	20.1	1100265.70	95915.84	Outside MCA Limits - Not Investigated
20210716.00	53076	46586.0	418.7	2.1	1100436.72	95906.91	Outside MCA Limits - Not Investigated
20210716.00	53077	46238.9	1410.1	11.5	1100419.35	95896.27	Outside MCA Limits - Not Investigated
20210713.00	53078	46422.8	481.8	18.2	1100363.08	95894.50	Outside MCA Limits - Not Investigated
20210713.00	53079	46489.7	180.2	64.2	1100297.37	95890.87	Outside MCA Limits - Not Investigated
20210714.00	53080	46538.2	312.5	98.5	1100219.00	95889.23	Outside MCA Limits - Not Investigated
20210713.00	53081	46417.7	419.8	24.6	1100210.20	95886.21	Outside MCA Limits - Not Investigated
20210716.00	53082	47286.4	1783.2	24.6	1100396.98	95882.55	Outside MCA Limits - Not Investigated
20210716.00	53083	48038.3	1759.5	7.8	1100392.50	95879.81	Outside MCA Limits - Not Investigated
20210713.00	53084	47155.0	1050.6	45.8	1100403.16	95869.99	Outside MCA Limits - Not Investigated
20210713.00	53085	46301.5	67.8	36.6	1100120.86	95864.05	Outside MCA Limits - Not Investigated
20210713.00	53086	46472.1	217.2	29.3	1100130.70	95858.81	Outside MCA Limits - Not Investigated
20210713.00	53087	46546.8	307.4	29.5	1100103.88	95846.31	Outside MCA Limits - Not Investigated
20210713.00	53088	46742.2	471.1	15.6	1099995.22	95838.51	Outside MCA Limits - Not Investigated
20210713.00	53089	46627.0	253.2	18.1	1099993.42	95834.79	Outside MCA Limits - Not Investigated
20210713.00	53090	46303.4	34.5	50.5	1099934.90	95790.01	Outside MCA Limits - Not Investigated
20210713.00	53091	46450.3	181.3	86.2	1099949.93	95781.60	Outside MCA Limits - Not Investigated
20210713.00	53092	46433.4	101.1	63.2	1099969.43	95770.66	Outside MCA Limits - Not Investigated
20210716.00	53093	46183.8	60.2	21.5	1100000.04	95746.89	Outside MCA Limits - Not Investigated
20210716.00	53094	46313.7	54.9	3.0	1099970.62	95744.39	Outside MCA Limits - Not Investigated
20210716.00	53095	46276.8	82.2	4.2	1099938.16	95741.64	Outside MCA Limits - Not Investigated
20210713.00	53096	47339.6	954.3	51.4	1099852.06	95712.20	Outside MCA Limits - Not Investigated
20210714.00	53097	50855.3	6482.3	85.2	1099887.72	95700.53	Outside MCA Limits - Not Investigated
20210714.00	53098	46658.4	659.1	48.2	1099884.58	95698.73	Outside MCA Limits - Not Investigated
20210713.00	53099	46391.4	374.3	30.7	1099919.29	95680.90	Outside MCA Limits - Not Investigated
20210713.00	53100	49744.2	5325.2	132.5	1099883.02	95669.04	Outside MCA Limits - Not Investigated
20210716.00	53101	46261.2	306.0	47.2	1099993.76	95640.54	Outside MCA Limits - Not Investigated
20210716.00	53102	47476.6	1435.1	69.0	1099892.65	95633.84	Outside MCA Limits - Not Investigated
20210713.00	53103	47452.7	1247.6	88.0	1099895.89	95632.28	Outside MCA Limits - Not Investigated
20210713.00	53104	46943.2	584.3	197.1	1100584.86	95615.61	Outside MCA Limits - Not Investigated
20210716.00	53105	46706.5	608.9	46.1	1100055.88	95595.98	Outside MCA Limits - Not Investigated
20210716.00	53106	47550.4	1528.3	72.9	1099969.59	95594.76	Outside MCA Limits - Not Investigated
20210713.00	53107	48948.3	4504.8	82.3	1100061.33	95569.13	Outside MCA Limits - Not Investigated
20210716.00	53108	46293.4	1781.8	53.4	1099955.47	95568.06	Outside MCA Limits - Not Investigated
20210716.00	53109	46817.8	574.3	53.5	1100122.29	95560.62	Outside MCA Limits - Not Investigated

20210716.00	53110	46732.5	841.8	57.7	1100034.72	95553.61	Outside MCA Limits - Not Investigated
20210716.00	53111	46691.9	426.0	62.1	1099942.43	95543.34	Outside MCA Limits - Not Investigated
20210716.00	53112	46549.9	299.1	1.4	1099931.52	95522.67	Outside MCA Limits - Not Investigated
20210716.00	53113	46800.2	3042.5	72.3	1100008.63	95501.28	Outside MCA Limits - Not Investigated
20210716.00	53114	46802.5	3044.8	56.8	1100003.75	95491.55	Outside MCA Limits - Not Investigated
20210716.00	53115	50024.0	3978.4	63.4	1100084.50	95489.70	Outside MCA Limits - Not Investigated
20210713.00	53116	46264.5	599.6	55.6	1100249.58	95487.35	Outside MCA Limits - Not Investigated
20210716.00	53117	46802.5	2231.9	63.6	1100000.71	95485.46	Outside MCA Limits - Not Investigated
20210716.00	53118	46354.7	274.4	33.0	1100247.90	95484.94	Outside MCA Limits - Not Investigated
20210716.00	53119	46139.8	831.1	105.5	1100162.74	95484.51	Outside MCA Limits - Not Investigated
20210713.00	53120	46133.8	609.6	46.1	1100306.76	95452.88	Outside MCA Limits - Not Investigated
20210713.00	53121	46977.2	811.6	110.6	1100225.74	95442.48	Outside MCA Limits - Not Investigated
20210716.00	53122	46601.0	575.0	71.2	1100222.54	95439.01	Outside MCA Limits - Not Investigated
20210713.00	53123	47874.3	4000.0	147.6	1100300.17	95435.32	Outside MCA Limits - Not Investigated
20210716.00	53124	47572.3	1416.8	80.3	1100132.29	95430.23	Outside MCA Limits - Not Investigated
20210716.00	53125	46352.0	294.2	34.3	1100209.25	95414.90	Outside MCA Limits - Not Investigated
20210713.00	53126	46336.7	583.0	101.2	1100386.52	95409.99	Outside MCA Limits - Not Investigated
20210713.00	53127	48052.4	1827.3	84.5	1100282.98	95407.55	Outside MCA Limits - Not Investigated
20210716.00	53128	47798.0	1622.8	76.0	1100194.44	95388.07	Outside MCA Limits - Not Investigated
20210716.00	53129	46373.4	1450.1	39.0	1100273.62	95381.34	Outside MCA Limits - Not Investigated
20210713.00	53130	49442.8	3831.3	65.8	1100417.89	95369.36	Outside MCA Limits - Not Investigated
20210713.00	53131	46248.0	1355.1	117.3	1100363.57	95368.02	Outside MCA Limits - Not Investigated
20210716.00	53132	46141.5	696.9	44.4	1100257.68	95360.43	Outside MCA Limits - Not Investigated
20210713.00	53133	47337.5	1377.2	110.5	1100452.45	95350.01	Outside MCA Limits - Not Investigated
20210716.00	53134	46129.0	1131.3	66.6	1100342.69	95338.67	Outside MCA Limits - Not Investigated
20210716.00	53135	46110.7	2135.0	70.6	1100395.54	95280.42	Outside MCA Limits - Not Investigated
20210714.00	54000	46922.4	629.2	19.3	1098790.71	96152.91	Single Hit - Not Investigated
20210714.00	54001	46504.2	2405.9	72.2	1098796.38	96140.08	Single Hit - Not Investigated
20210714.00	54002	46222.4	1304.6	2.7	1098798.42	96135.41	Single Hit - Not Investigated
20210714.00	54003	46476.2	781.2	3.0	1098803.57	96123.80	Single Hit - Not Investigated
20210714.00	54004	47093.0	1557.9	20.3	1098843.38	96123.07	Single Hit - Not Investigated
20210714.00	54005	48070.5	3225.7	44.3	1098857.40	96110.42	Single Hit - Not Investigated
20210719.00	54006	47505.2	1846.4	80.2	1098861.49	96107.37	Single Hit - Not Investigated
20210714.00	54007	46305.9	488.6	32.3	1099082.74	96002.46	Nothing found with MAG - Not Pipeline
20210714.00	54008	46793.3	589.5	10.3	1099108.98	95982.83	Nothing found with MAG - Not Pipeline
20210714.00	54009	47007.7	719.7	14.9	1099135.01	95963.32	Nothing found with MAG - Not Pipeline
20210714.00	54010	47892.6	1482.9	12.1	1099155.95	95947.66	Nothing found with MAG - Not Pipeline
20210714.00	54011	46958.4	800.0	22.6	1099202.62	95912.73	Nothing found with MAG - Not Pipeline
20210719.00	54012	46342.6	73.2	25.9	1099306.16	95861.58	Nothing found with MAG - Not Pipeline
20210714.00	54013	47787.5	1260.1	53.3	1099252.64	95854.66	Nothing found with MAG - Not Pipeline
20210714.00	54014	46534.3	723.2	3.0	1099277.78	95852.89	Nothing found with MAG - Not Pipeline
20210714.00	54015	48565.7	2584.3	8.9	1099291.22	95851.95	Nothing found with MAG - Not Pipeline
20210714.00	54016	46227.5	1122.2	59.1	1099304.24	95851.01	Nothing found with MAG - Not Pipeline
20210714.00	54017	47419.9	2421.3	63.8	1099333.10	95848.99	Nothing found with MAG - Not Pipeline
20210714.00	54018	48529.2	3525.1	58.8	1099353.52	95847.53	Nothing found with MAG - Not Pipeline
20210714.00	54019	46961.1	680.7	31.5	1099362.12	95846.95	Nothing found with MAG - Not Pipeline
20210714.00	54020	46130.0	1634.9	13.7	1099373.73	95835.25	Nothing found with MAG - Not Pipeline
20210714.00	54021	46300.1	1039.8	77.1	1099384.89	95831.99	Nothing found with MAG - Not Pipeline
20210719.00	54022	46911.1	393.1	0.1	1099354.50	95830.77	Nothing found with MAG - Not Pipeline
20210719.00	54023	47388.6	1191.1	55.0	1099367.79	95830.10	Nothing found with MAG - Not Pipeline
20210719.00	54024	46223.9	1478.0	27.5	1099383.21	95829.27	Nothing found with MAG - Not Pipeline
20210714.00	54025	46478.2	1446.1	13.8	1099401.26	95819.31	Nothing found with MAG - Not Pipeline
20210714.00	54026	46301.3	508.5	56.8	1099390.25	95810.80	Nothing found with MAG - Not Pipeline
20210714.00	54027	46808.4	743.5	70.3	1099428.99	95803.21	Nothing found with MAG - Not Pipeline
20210714.00	54028	46263.2	289.6	29.7	1099447.07	95792.73	Nothing found with MAG - Not Pipeline
20210714.00	54029	46254.2	493.3	82.7	1099396.20	95787.30	Nothing found with MAG - Not Pipeline
20210714.00	54030	46917.9	684.8	7.1	1099478.89	95774.29	Nothing found with MAG - Not Pipeline
20210714.00	54031	46227.2	739.5	1.3	1099508.00	95757.40	Nothing found with MAG - Not Pipeline
20210714.00	54032	46279.5	1192.9	12.6	1099532.23	95743.35	Nothing found with MAG - Not Pipeline
20210719.00	54033	46315.7	81.8	28.4	1098899.86	95725.52	Nothing found with MAG - Not Pipeline
20210719.00	54034	46327.0	175.8	19.0	1099589.62	95708.75	Nothing found with MAG - Not Pipeline
20210719.00	54035	46402.2	2016.2	25.6	1099603.83	95705.10	Nothing found with MAG - Not Pipeline
20210719.00	54036	47100.8	983.6	69.8	1099583.31	95704.64	Nothing found with MAG - Not Pipeline

20210719.00	54037	46475.4	310.9	51.0	1099574.38	95702.02	Nothing found with MAG - Not Pipeline
20210719.00	54038	46174.2	1115.1	70.1	1099571.24	95701.10	Nothing found with MAG - Not Pipeline
20210719.00	54039	46701.5	577.9	28.3	1099607.67	95700.80	Nothing found with MAG - Not Pipeline
20210719.00	54040	47424.5	1605.4	9.6	1099559.29	95697.57	Nothing found with MAG - Not Pipeline
20210719.00	54041	46450.6	487.0	84.5	1099556.52	95696.75	Nothing found with MAG - Not Pipeline
20210719.00	54042	47027.1	1202.0	2.8	1099556.06	95696.62	Nothing found with MAG - Not Pipeline
20210719.00	54043	46986.7	836.4	50.9	1099554.75	95696.23	Nothing found with MAG - Not Pipeline
20210719.00	54044	46165.2	1742.3	34.6	1099552.38	95695.53	Nothing found with MAG - Not Pipeline
20210719.00	54045	46416.0	577.8	73.6	1099549.24	95694.61	Nothing found with MAG - Not Pipeline
20210719.00	54046	46046.8	2472.4	49.1	1099536.74	95690.92	Nothing found with MAG - Not Pipeline
20210714.00	54047	46767.7	447.6	29.2	1099638.70	95690.35	Nothing found with MAG - Not Pipeline
20210719.00	54048	47138.5	1942.2	71.4	1099617.12	95690.13	Nothing found with MAG - Not Pipeline
20210719.00	54049	46236.8	539.8	30.7	1099510.28	95683.15	Nothing found with MAG - Not Pipeline
20210719.00	54050	46614.1	460.4	26.7	1099625.86	95680.26	Nothing found with MAG - Not Pipeline
20210719.00	54051	46245.5	755.5	21.0	1099630.04	95675.56	Nothing found with MAG - Not Pipeline
20210714.00	54052	46260.0	263.3	40.9	1099672.71	95669.59	Nothing found with MAG - Not Pipeline
20210719.00	54053	46248.5	69.9	37.8	1099078.47	95659.38	Nothing found with MAG - Not Pipeline
20210719.00	54054	46353.3	72.5	24.1	1099675.33	95658.86	Nothing found with MAG - Not Pipeline
20210714.00	54055	46454.8	242.9	20.6	1099694.11	95657.09	Nothing found with MAG - Not Pipeline
20210714.00	54056	46381.8	610.7	12.2	1099748.42	95625.39	Single Hit - Not Investigated
20210719.00	54057	46219.9	59.2	14.1	1099063.26	95618.56	Nothing found with MAG - Not Pipeline
20210719.00	54058	46288.2	70.1	34.8	1098838.53	95618.23	Nothing found with MAG - Not Pipeline
20210719.00	54059	46255.7	52.2	17.5	1099045.52	95570.99	Nothing found with MAG - Not Pipeline
20210719.00	54060	46274.8	50.2	18.4	1098782.91	95520.91	Nothing found with MAG - Not Pipeline
20210719.00	54061	46278.2	49.3	35.5	1098774.07	95505.42	Nothing found with MAG - Not Pipeline
20210714.00	54062	46369.8	91.0	14.1	1099534.27	95208.30	Single Hit - Not Investigated
20210714.00	54063	46471.6	1393.1	45.1	1099665.82	95202.18	±0.8' Mud Cover (12" Chevron Pipeline)
20210715.00	54064	46288.5	42.0	22.2	1099142.66	95181.09	Single Hit - Not Investigated
20210714.00	54065	47210.1	1026.4	39.4	1099600.60	95143.29	±0.9' Mud Cover (12" Chevron Pipeline)
20210714.00	54066	46972.2	944.8	117.7	1099628.97	95129.24	±0.9' Mud Cover (12" Chevron Pipeline)
20210714.00	54067	46340.0	83.5	10.6	1099190.21	95119.94	Single Hit - Not Investigated
20210715.00	54068	47748.0	1570.6	39.1	1099461.61	95000.03	±0.9' Mud Cover (12" Chevron Pipeline)
20210715.00	54069	48193.0	1888.9	48.0	1099349.01	94899.94	±0.7' Mud Cover (12" Chevron Pipeline)
20210714.00	54070	48877.4	2605.0	87.1	1098983.16	94805.66	Single Hit - Not Investigated
20210715.00	54071	46237.0	1017.1	82.4	1099233.80	94786.06	±0.7' Mud Cover (12" Chevron Pipeline)
20210715.00	54072	47448.6	1118.4	70.1	1099114.53	94678.50	±0.9' Mud Cover (12" Chevron Pipeline)
20210714.00	54073	46262.3	67.0	34.5	1099643.54	94575.42	Single Hit - Not Investigated
20210714.00	54074	46847.9	448.2	41.7	1098450.95	96469.60	Outside MCA Limits - Not Investigated
20210714.00	54075	46406.1	961.8	48.4	1098576.41	96402.24	Outside MCA Limits - Not Investigated
20210714.00	54076	46815.2	535.3	37.6	1098729.69	96359.93	Outside MCA Limits - Not Investigated
20210714.00	54077	46409.6	342.4	45.6	1098545.99	96347.49	Outside MCA Limits - Not Investigated
20210714.00	54078	46371.6	85.7	12.1	1098543.64	96329.48	Outside MCA Limits - Not Investigated
20210714.00	54079	48066.3	1699.2	84.9	1098707.41	96320.46	Outside MCA Limits - Not Investigated
20210714.00	54080	46304.0	1683.7	50.1	1098693.85	96296.38	Outside MCA Limits - Not Investigated
20210714.00	54081	47203.8	1096.5	37.8	1098864.17	96281.02	Outside MCA Limits - Not Investigated
20210714.00	54082	46328.5	1226.6	146.1	1098841.92	96242.31	Outside MCA Limits - Not Investigated
20210714.00	54083	46329.9	464.4	34.8	1098826.86	96216.19	Outside MCA Limits - Not Investigated
20210714.00	54084	46259.5	1250.8	100.3	1098810.65	96187.96	Outside MCA Limits - Not Investigated
20210714.00	54085	46769.7	777.6	52.3	1098934.45	96149.98	Outside MCA Limits - Not Investigated
20210714.00	54086	46298.9	640.9	77.2	1098930.10	96145.56	Outside MCA Limits - Not Investigated
20210714.00	54087	46246.7	1620.7	77.2	1098929.30	96144.80	Outside MCA Limits - Not Investigated
20210714.00	54088	47202.4	1037.6	48.4	1098872.21	96140.50	Outside MCA Limits - Not Investigated
20210714.00	54089	46320.7	268.2	27.4	1098892.39	96140.14	Outside MCA Limits - Not Investigated
20210714.00	54090	46260.3	829.7	54.3	1098908.39	96139.83	Outside MCA Limits - Not Investigated
20210714.00	54091	47405.7	1160.0	30.5	1098926.96	96139.50	Outside MCA Limits - Not Investigated
20210714.00	54092	47616.8	1278.9	89.9	1098923.76	96139.16	Outside MCA Limits - Not Investigated
20210714.00	54093	46264.7	1452.9	34.8	1098946.86	96139.13	Outside MCA Limits - Not Investigated
20210714.00	54094	46210.9	875.5	79.6	1098970.03	96138.71	Outside MCA Limits - Not Investigated
20210714.00	54095	46294.8	200.4	16.9	1098993.62	96138.28	Outside MCA Limits - Not Investigated
20210714.00	54096	46381.0	1593.9	56.2	1099007.70	96138.04	Outside MCA Limits - Not Investigated
20210714.00	54097	47309.2	1141.2	35.6	1099020.53	96137.79	Outside MCA Limits - Not Investigated
20210714.00	54098	46844.8	638.5	67.5	1099037.05	96137.49	Outside MCA Limits - Not Investigated
20210714.00	54099	46671.6	625.4	67.8	1099061.34	96137.06	Outside MCA Limits - Not Investigated

20210714.00	54100	46455.2	282.2	20.4	1099072.19	96136.85	Outside MCA Limits - Not Investigated
20210714.00	54101	46322.6	329.6	45.2	1099086.12	96136.60	Outside MCA Limits - Not Investigated
20210714.00	54102	50590.0	4469.3	73.8	1099107.22	96136.21	Outside MCA Limits - Not Investigated
20210714.00	54103	46224.4	403.0	32.7	1099126.48	96135.87	Outside MCA Limits - Not Investigated
20210714.00	54104	46339.4	458.2	49.2	1099142.60	96135.57	Outside MCA Limits - Not Investigated
20210714.00	54105	46370.7	1608.0	23.9	1099152.78	96135.38	Outside MCA Limits - Not Investigated
20210714.00	54106	46316.0	493.1	55.0	1099175.58	96134.96	Outside MCA Limits - Not Investigated
20210714.00	54107	46346.5	2749.9	26.0	1099194.02	96134.62	Outside MCA Limits - Not Investigated
20210714.00	54108	46817.1	773.3	65.8	1099203.04	96134.47	Outside MCA Limits - Not Investigated
20210714.00	54109	46197.8	380.4	29.1	1099217.89	96134.19	Outside MCA Limits - Not Investigated
20210714.00	54110	46463.9	411.9	78.2	1099239.07	96133.80	Outside MCA Limits - Not Investigated
20210714.00	54111	46237.7	267.0	43.4	1099266.87	96133.28	Outside MCA Limits - Not Investigated
20210714.00	54112	46324.6	3773.2	51.8	1099278.33	96133.10	Outside MCA Limits - Not Investigated
20210714.00	54113	46442.7	1345.0	38.9	1099289.73	96132.88	Outside MCA Limits - Not Investigated
20210714.00	54114	48932.9	2736.2	58.9	1099306.98	96132.55	Outside MCA Limits - Not Investigated
20210714.00	54115	46585.4	390.6	11.5	1099321.09	96132.31	Outside MCA Limits - Not Investigated
20210714.00	54116	46199.9	1195.5	65.1	1099123.31	96131.45	Outside MCA Limits - Not Investigated
20210714.00	54117	50518.9	4379.4	96.5	1099100.97	96092.83	Outside MCA Limits - Not Investigated
20210714.00	54118	47521.1	1291.3	23.2	1098985.91	96074.94	Outside MCA Limits - Not Investigated
20210714.00	54119	46296.3	1990.1	23.4	1099012.97	96054.67	Outside MCA Limits - Not Investigated
20210714.00	54120	46507.1	2224.1	118.7	1099070.52	96040.13	Outside MCA Limits - Not Investigated
20210714.00	54121	47170.2	1353.0	4.6	1099032.57	96040.01	Outside MCA Limits - Not Investigated
20210714.00	54122	48162.4	2468.9	58.6	1099044.91	96030.78	Outside MCA Limits - Not Investigated
20210714.00	54123	48013.9	2291.1	67.3	1099062.44	96017.67	Outside MCA Limits - Not Investigated
20210714.00	54124	46841.1	663.1	59.3	1099370.87	95989.90	Outside MCA Limits - Not Investigated
20210714.00	54125	46278.0	791.3	112.5	1099350.72	95950.00	Outside MCA Limits - Not Investigated
20210714.00	54126	46312.5	482.2	63.2	1099362.58	95919.98	Outside MCA Limits - Not Investigated
20210714.00	54127	46272.7	443.6	74.4	1099335.36	95919.62	Outside MCA Limits - Not Investigated
20210719.00	54128	46603.2	1096.1	44.0	1099332.80	95919.34	Outside MCA Limits - Not Investigated
20210719.00	54129	46118.3	779.3	73.9	1099309.91	95904.47	Outside MCA Limits - Not Investigated
20210714.00	54130	46362.0	563.6	109.5	1099323.84	95896.82	Outside MCA Limits - Not Investigated
20210719.00	54131	46232.1	1314.2	87.4	1099321.64	95895.11	Outside MCA Limits - Not Investigated
20210714.00	54132	46270.3	1136.8	101.3	1099370.96	95886.94	Outside MCA Limits - Not Investigated
20210714.00	54133	46403.2	294.2	44.8	1099585.39	95872.86	Outside MCA Limits - Not Investigated
20210714.00	54134	46227.5	1349.9	80.7	1099376.99	95863.11	Outside MCA Limits - Not Investigated
20210714.00	54135	47421.5	1166.3	57.4	1099378.30	95857.86	Outside MCA Limits - Not Investigated
20210714.00	54136	46678.8	435.9	54.6	1099382.66	95840.67	Outside MCA Limits - Not Investigated
20210714.00	54137	47439.3	1153.3	70.7	1099560.21	95826.16	Outside MCA Limits - Not Investigated
20210714.00	54138	47091.6	690.0	52.2	1099546.13	95800.04	Outside MCA Limits - Not Investigated
20210714.00	54139	46399.1	538.3	58.8	1099535.73	95780.78	Outside MCA Limits - Not Investigated
20210714.00	54140	46408.3	347.3	4.5	1099624.16	95765.63	Outside MCA Limits - Not Investigated
20210719.00	54141	46258.6	1351.3	57.8	1099616.57	95763.53	Outside MCA Limits - Not Investigated
20210714.00	54142	46313.2	777.4	39.4	1099631.38	95762.16	Outside MCA Limits - Not Investigated
20210714.00	54143	46364.1	157.3	29.8	1099588.74	95750.51	Outside MCA Limits - Not Investigated
20210714.00	54144	46692.1	703.8	12.1	1099687.77	95734.91	Outside MCA Limits - Not Investigated
20210719.00	54145	46301.7	1116.2	72.6	1099601.75	95733.41	Outside MCA Limits - Not Investigated
20210714.00	54146	49127.5	3025.0	7.0	1099692.40	95732.68	Outside MCA Limits - Not Investigated
20210719.00	54147	46208.2	135.2	2.2	1099758.24	95715.46	Outside MCA Limits - Not Investigated
20210714.00	54148	46254.4	194.6	4.2	1099617.85	95715.43	Outside MCA Limits - Not Investigated
20210714.00	54149	46423.1	152.9	13.1	1099618.82	95714.30	Outside MCA Limits - Not Investigated
20210719.00	54150	46767.2	541.3	4.1	1099763.11	95714.00	Outside MCA Limits - Not Investigated
20210714.00	54151	47199.9	1025.3	31.9	1099622.24	95710.16	Outside MCA Limits - Not Investigated
20210719.00	54152	46507.9	381.7	13.8	1099775.82	95710.13	Outside MCA Limits - Not Investigated
20210719.00	54153	46239.3	119.3	31.0	1099749.25	95698.00	Outside MCA Limits - Not Investigated
20210714.00	54154	46291.2	525.2	4.8	1099756.84	95690.83	Outside MCA Limits - Not Investigated
20210714.00	54155	46763.7	418.8	10.2	1099758.82	95689.95	Outside MCA Limits - Not Investigated
20210719.00	54156	46299.0	503.5	54.2	1099724.01	95684.65	Outside MCA Limits - Not Investigated
20210719.00	54157	46380.5	265.5	59.0	1099704.71	95674.43	Outside MCA Limits - Not Investigated
20210719.00	54158	46363.7	75.7	17.6	1099704.50	95674.28	Outside MCA Limits - Not Investigated
20210719.00	54159	46325.5	258.7	53.8	1099696.73	95670.20	Outside MCA Limits - Not Investigated
20210714.00	54160	46201.6	695.5	6.4	1099821.27	95661.88	Outside MCA Limits - Not Investigated
20210714.00	54161	47486.6	1221.6	3.1	1099829.47	95658.19	Outside MCA Limits - Not Investigated
20210714.00	54162	46872.9	1023.7	125.8	1099756.74	95620.52	Outside MCA Limits - Not Investigated

20210714.00	54163	46177.1	1972.8	4.4	1099789.27	95601.53	Outside MCA Limits - Not Investigated
20210714.00	54164	46218.9	612.4	29.9	1099812.80	95587.78	Outside MCA Limits - Not Investigated
20210719.00	54165	46202.0	53.4	13.1	1098650.05	95440.29	Outside MCA Limits - Not Investigated
20210719.00	54166	46259.8	51.9	49.5	1098733.59	95434.65	Outside MCA Limits - Not Investigated
20210719.00	54167	46270.3	47.3	25.2	1098717.68	95406.79	Outside MCA Limits - Not Investigated
20210719.00	54168	46257.1	66.1	30.9	1098693.24	95364.00	Outside MCA Limits - Not Investigated
20210719.00	54169	46225.6	44.5	30.7	1098676.81	95335.25	Outside MCA Limits - Not Investigated
20210714.00	54170	46248.9	2552.7	0.2	1099817.95	95326.90	Outside MCA Limits - Not Investigated
20210714.00	54171	46448.3	182.5	0.3	1099806.82	95309.80	Outside MCA Limits - Not Investigated
20210719.00	54172	48147.5	1641.8	50.6	1098743.25	95273.74	Outside MCA Limits - Not Investigated
20210719.00	54173	47525.8	3312.3	39.0	1098743.80	95272.04	Outside MCA Limits - Not Investigated
20210714.00	54174	48426.2	2095.5	55.6	1099768.60	95268.47	Outside MCA Limits - Not Investigated
20210719.00	54175	46307.3	4161.7	24.0	1098749.50	95254.66	Outside MCA Limits - Not Investigated
20210714.00	54176	46647.1	441.7	55.5	1099709.65	95253.35	Outside MCA Limits - Not Investigated
20210719.00	54177	46288.9	100.5	28.6	1098672.20	94899.72	Outside MCA Limits - Not Investigated
20210719.00	54178	46267.1	53.9	59.6	1098669.74	94864.46	Outside MCA Limits - Not Investigated
20210714.00	54179	46279.1	2846.8	3.3	1099047.90	94472.82	Outside MCA Limits - Not Investigated
20210708.00	55000	47887.3	1705.2	107.3	1109321.58	83129.96	30' Water - Outside Limits
20210708.00	55001	46117.9	99.2	31.9	1109082.83	83276.97	22' Water - Not Investigated
20210707.00	55002	51757.3	5319.1	122.6	1108804.15	83402.36	CPU #19821152 - 18' Water - Outside Limits
20210707.00	55003	45936.4	1623.6	46.2	1108765.93	83414.74	20' Water - Not Investigated
20210707.00	55004	45890.0	1669.9	40.8	1108751.03	83417.18	CPU #20081332 - 20' Water - Not Investigated
20210708.00	55005	46270.7	425.9	89.5	1108770.96	83446.83	20' Water - Not Investigated
20210707.00	55006	46583.5	677.2	160.2	1108741.27	83495.66	21' Water - Not Investigated
20210708.00	55007	46958.9	874.5	239.8	1108663.24	83453.05	10' Water - Not Investigated
20210707.00	55008	46417.6	439.8	80.3	1108595.67	83413.88	14' Water - Not Investigated
20210708.00	55009	46850.7	558.9	269.7	1108482.44	83435.53	16' Water - Not Investigated
20210707.00	55010	46438.0	171.9	411.0	1108476.01	83466.43	13' Water - Outside Limits
20210707.00	55011	46438.0	171.9	411.0	1108476.01	83466.43	Duplicate Point # 55055
20210707.00	55012	46235.0	178.6	105.4	1108380.45	83376.73	15' Water - Not Investigated
20210708.00	55013	46309.1	81.4	78.4	1108283.49	83402.18	13' Water - Not Investigated
20210708.00	55014	46493.4	189.6	91.2	1108194.55	83395.63	13' Water - Not Investigated
20210707.00	55015	46475.0	1843.5	105.9	1108072.30	83403.95	14' Water - Outside Limits
20210708.00	55016	46783.7	455.1	79.4	1108073.09	83368.44	13' Water - Not Investigated
20210707.00	55017	46683.1	747.1	69.0	1108079.25	83316.99	CPU #20141157 - 13' Water - Outside Limits
20210708.00	55018	46527.8	355.1	57.8	1108059.16	83365.18	12' Water - Not Investigated
20210707.00	55019	47009.1	1743.9	59.3	1108019.23	83307.02	12' Water - Outside Limits
20210707.00	55020	48676.6	2120.5	102.2	1107996.43	83303.27	12' Water - Outside Limits
20210708.00	55021	46329.6	87.5	81.3	1107995.09	83356.95	CPU #20081194 - 12' Water - Not Investigated
20210707.00	55022	46446.4	192.9	106.9	1107985.06	83386.70	13' Water - Outside Limits
20210708.00	55023	46478.7	616.0	112.3	1107943.92	83345.67	CPU #19951378 - 13' Water - Not Investigated
20210707.00	55024	46566.7	383.4	70.6	1107935.99	83376.58	CPU #19951378 - 13' Water - Not Investigated
20210708.00	55025	46478.7	614.8	75.3	1107929.19	83343.81	12' Water - Not Investigated
20210707.00	55026	46430.7	253.4	44.6	1107917.00	83372.37	13' Water - Not Investigated
20210708.00	55027	46289.4	619.4	66.6	1107908.32	83341.68	12' Water - Not Investigated
20210707.00	55028	46601.4	424.1	47.5	1107905.21	83370.12	13' Water - Not Investigated
20210707.00	55029	46916.2	899.7	55.3	1107904.05	83285.75	CPU #20081194 - 12' Water - Not Investigated
20210707.00	55030	46079.3	888.8	99.3	1107858.42	83283.52	CPU #20010391 - 12' Water - Not Investigated
20210707.00	55031	47385.8	1149.9	141.6	1107852.42	83365.79	CPU #19961342 - 12' Water - Not Investigated
20210708.00	55032	46692.5	457.1	93.8	1107766.40	83319.64	CPU #19961342 - 13' Water - Not Investigated
20210708.00	55033	46378.2	176.5	92.8	1107732.45	83315.07	13' Water - Not Investigated
20210707.00	55034	46575.2	346.8	372.2	1107719.98	83346.52	CPU #20131688 - 10' Water - Outside Limits
20210707.00	55035	46437.6	264.0	201.6	1107637.56	83340.00	CPU #20051431 - 11' Water - Not Investigated
20210708.00	55036	46631.2	400.4	130.5	1107614.06	83302.60	CPU #20051431 - 12' Water - Not Investigated
20210707.00	55037	46656.7	568.4	48.2	1107591.69	83244.17	CPU #19890251 - 12' Water - Outside Limits
20210708.00	55038	46335.0	112.6	67.5	1107581.42	83296.35	CPU #19890251 - 12' Water - Not Investigated
20210707.00	55039	46271.3	186.3	80.9	1107567.24	83327.29	12' Water - Outside Limits
20210707.00	55040	46644.9	365.6	177.1	1107501.99	83318.91	10' Water - Not Investigated
20210708.00	55041	46257.7	342.8	67.8	1107454.22	83277.46	12' Water - Not Investigated
20210707.00	55042	46000.1	787.9	128.5	1107445.57	83235.52	CPU #20120691 - 12' Water - Not Investigated
20210707.00	55043	46091.4	705.2	134.9	1107375.31	83233.35	CPU #20081047 - 12' Water - Not Investigated
20210707.00	55044	46343.9	213.0	63.7	1107343.43	83227.38	CPU #20151236 - 13' Water - Not Investigated
20210707.00	55045	48507.2	2173.3	76.7	1107279.73	83222.47	CPU #19940510 - 14' Water - Not Investigated

20210707.00	55046	47024.0	1781.9	122.9	1107273.17	83294.10	CPU #19940510 - 15' Water - Not Investigated
20210707.00	55047	48891.6	2427.9	93.7	1107262.38	83219.88	16' Water - Not Investigated
20210708.00	55048	46444.1	903.6	87.7	1107253.97	83265.26	16' Water - Not Investigated
20210707.00	55049	49220.2	3973.6	131.8	1107249.06	83290.26	CPU #19930021 - 16' Water - Not Investigated
20210707.00	55050	46365.5	292.5	106.4	1107207.40	83285.05	CPU #20081501 - 19' Water - Not Investigated
20210707.00	55051	46442.8	888.0	93.3	1107197.31	83199.21	CPU #20081501 - 19' Water - Not Investigated
20210707.00	55052	46350.7	1449.4	152.2	1107092.27	83182.79	CPU #20140780 - 18' Water - Outside Limits
20210707.00	55053	46480.3	477.1	104.0	1106112.13	83029.26	CPU #20121433 - 16' Water - Outside Limits
20210707.00	55054	46774.9	454.5	109.7	1105953.88	83103.78	Enlink Pipeline (Did not Probe - Over 19' Water)
20210707.00	55055	46129.4	841.2	95.4	1105945.46	83017.25	Enlink Pipeline (Did not Probe - Over 19' Water)
20210707.00	55056	46297.1	111.5	91.3	1105546.30	82955.92	CPU #20121433 - 18' Water - Outside Limits
20210707.00	55057	46321.1	70.2	149.3	1105494.33	82947.24	CPU #20121433 - 18' Water - Outside Limits
20210707.00	55058	46345.9	84.1	89.7	1104828.59	83838.81	18' Water - Outside Limits
20210707.00	55059	46502.5	294.3	101.1	1104958.70	83926.95	5' Water - Not Investigated
20210708.00	55060	46244.0	84.9	91.9	1104964.34	84057.71	11' Water - Not Investigated
20210707.00	55061	47228.9	1681.1	82.5	1104992.23	84070.61	11' Water - Outside Limits
20210707.00	55062	47228.9	1681.1	82.5	1104993.21	84076.61	11' Water - Outside Limits
20210707.00	55063	46320.1	61.5	77.3	1104878.51	84088.32	15' Water - Outside Limits
20210707.00	55064	46240.6	135.7	95.0	1104999.79	84116.57	11' Water - Outside Limits
20210707.00	55065	46309.6	176.2	67.0	1104950.72	84271.20	10' Water - Outside Limits
20210707.00	55066	46391.6	145.8	66.6	1104963.73	84277.35	10' Water - Outside Limits
20210708.00	55067	46328.9	184.2	193.3	1105067.67	84251.48	16' Water - Not Investigated
20210708.00	55068	46267.3	56.4	88.6	1105170.97	84516.10	14' Water - Not Investigated
20210707.00	55069	46596.6	610.4	86.7	1104471.12	85596.65	17' Water - Outside Limits
20210707.00	55070	46431.0	254.6	54.3	1104443.47	85740.09	13' Water - Not Investigated
20210707.00	55071	46407.7	120.8	79.1	1104437.38	85764.56	13' Water - Not Investigated
20210707.00	55072	46294.9	158.8	68.3	1104424.76	85786.91	13' Water - Not Investigated
20210708.00	55073	46819.7	777.5	122.1	1104132.94	85997.95	13' Water - Not Investigated
20210708.00	55074	46559.9	480.6	86.5	1103807.38	86125.02	11' Water - Not Investigated
20210707.00	55075	46321.3	142.6	68.6	1103695.89	86246.45	7' Water - Outside Limits
20210707.00	55076	46321.3	142.6	68.6	1103692.60	86248.86	7' Water - Outside Limits
20210707.00	55077	46293.0	805.5	100.5	1103216.80	86971.48	Unknown Pipeline (Did not Probe - Over 12' Water)
20210708.00	55078	46251.9	86.4	308.9	1103273.07	87019.52	Unknown Pipeline (Did not Probe - Over 12' Water)
20210707.00	55079	46927.5	662.6	110.8	1103306.41	87041.22	Unknown Pipeline (Did not Probe - Over 12' Water)
20210708.00	55080	46304.2	52.2	84.8	1102925.26	87326.30	9' Water - Not Investigated
20210707.00	55081	46372.8	106.2	80.9	1102726.26	87362.17	10' Water - Outside Limits
20210707.00	55082	46356.0	78.1	174.3	1102031.53	87834.95	11' Water - Outside Limits
20210707.00	55083	46356.0	78.1	174.3	1102031.53	87834.95	Duplicate Point # 55082
20210707.00	55084	46281.1	59.2	43.6	1101940.18	88080.77	2' Water - Outside Limits
20210707.00	55085	46317.7	168.3	105.4	1101884.43	88174.01	10' Water - Not Investigated
20210707.00	55086	46379.1	158.4	71.2	1101874.37	88608.99	10' Water - Outside Limits
20210707.00	55087	46635.0	332.0	76.7	1101795.83	88705.33	11' Water - Outside Limits
20210707.00	55088	46277.8	52.7	94.3	1101902.81	88753.34	13' Water - Outside Limits
20210707.00	55089	46294.9	68.9	76.3	1101905.16	89009.19	11' Water - Not Investigated
20210707.00	55090	46382.1	90.2	114.6	1101673.05	89336.15	13' Water - Outside Limits
20210708.00	55091	46308.4	102.0	112.4	1101566.28	89831.39	14' Water - Not Investigated
20210708.00	55092	46324.8	219.2	96.5	1100947.20	90473.88	10' Water - Not Investigated
20210708.00	55093	46314.1	92.7	61.9	1100632.83	90741.64	13' Water - Not Investigated
20210708.00	55094	46321.8	79.3	86.1	1100444.95	90962.99	12' Water - Not Investigated
20210708.00	55095	46293.1	87.2	86.6	1100397.31	91145.99	12' Water - Not Investigated
20210707.00	55096	46384.7	104.1	167.9	1099933.74	91600.48	13' Water - Outside Limits
20210708.00	55097	46349.8	159.0	150.5	1099816.91	91840.75	10' Water - Not Investigated
20210708.00	55098	46372.5	270.4	105.7	1099670.30	92109.80	10' Water - Not Investigated
20210708.00	55099	46286.6	67.4	130.3	1099473.40	92323.62	9' Water - Not Investigated
20210707.00	55100	46349.2	246.6	86.1	1099432.59	92421.40	3' Water - Outside Limits
20210708.00	55101	46409.3	266.9	92.9	1099313.84	92469.22	9' Water - Not Investigated
20210708.00	55102	46292.6	58.5	49.7	1099187.80	92583.06	9' Water - Not Investigated
20210708.00	55103	46358.2	109.0	106.7	1099046.87	92723.21	10' Water - Not Investigated
20210707.00	55104	46253.8	168.5	66.7	1098869.35	92760.76	Kinetica Energy (Did not Probe - Over 8' Water)
20210708.00	55105	46436.6	361.7	96.8	1098842.16	92804.32	Discovery Gas (Did not Probe - Over 8' Water)
20210707.00	55106	46650.8	670.3	190.7	1098836.22	92847.35	Kinetica Energy (Did not Probe - Over 8' Water)
20210707.00	55107	46650.8	670.3	182.0	1098825.82	92852.38	Discovery Gas (Did not Probe - Over 8' Water)
20210708.00	55108	46264.8	52.9	188.1	1098700.06	92878.17	8' Water - Not Investigated

20210708.00	55109	46349.1	142.0	133.3	1098627.86	92944.71	6' Water - Nothing found with probe
20210707.00	55110	46593.9	613.0	95.0	1098612.98	93012.56	3' Water - Nothing found with probe
20210707.00	55111	46593.9	613.0	95.0	1098610.76	93014.99	3' Water - Nothing found with probe
20210708.00	55112	46320.3	69.1	111.4	1098451.26	93082.69	8' Water - Not Investigated
20210707.00	55113	46361.8	74.0	45.2	1098237.90	93237.19	6' Water - Nothing found with probe
20210707.00	55114	46426.3	119.7	122.9	1098251.31	93256.12	6' Water - Nothing found with probe
20210707.00	55115	46536.0	279.1	65.8	1098325.46	93475.73	11' Water - Outside Limits
20210707.00	55116	47712.6	1355.9	42.9	1098356.49	93549.13	14' Water - Outside Limits
20210707.00	55117	47662.4	1344.6	64.5	1098360.94	93557.69	14' Water - Outside Limits
20210707.00	55118	46568.7	521.0	106.4	1098564.43	93593.20	Discovery Gas (Did not Probe - Over 12' Water)
20210707.00	55119	46368.3	212.7	101.9	1098539.95	93688.85	Discovery Gas (Did not Probe - Over 12' Water)
20210707.00	55120	46484.2	438.5	101.1	1098581.10	93594.51	Kinetica Energy (Did not Probe - Over 12' Water)
20210708.00	55121	46424.0	207.4	158.4	1098568.12	93639.92	Kinetica Energy (Did not Probe - Over 12' Water)
20210708.00	55122	46372.2	290.5	174.5	1098661.54	93637.79	14' Water - Not Investigated
20210707.00	55123	46407.3	117.2	127.0	1098704.70	93613.41	10' Water - Not Investigated
20210708.00	55124	46363.1	276.2	105.9	1098707.14	93652.00	13' Water - Outside Limits
20210708.00	55125	46301.5	615.0	69.1	1098753.74	93672.63	10' Water - Not Investigated
20210707.00	55126	46308.3	280.0	60.0	1098656.72	93940.49	9' Water - Outside Limits
20210707.00	55127	46224.6	811.9	104.3	1098560.07	94158.08	Chevron Pipeline (Did not Probe - Over 11' Water)
20210707.00	55128	46224.6	811.9	104.3	1098560.07	94158.08	Duplicate Point # 55127
20210708.00	55129	46240.2	359.4	114.8	1098588.90	94189.11	Chevron Pipeline (Did not Probe - Over 11' Water)
20210707.00	55130	46321.6	241.3	94.8	1098618.47	94216.00	Chevron Pipeline (Did not Probe - Over 11' Water)
20210708.00	55131	46265.3	204.3	86.6	1098538.89	94311.22	11' Water - Not Investigated
20210708.00	55132	46647.8	771.9	111.3	1098523.74	94349.16	11' Water - Not Investigated
20210708.00	55133	46285.5	73.9	75.0	1098494.38	94420.06	10' Water - Not Investigated
20210707.00	55134	46521.9	230.2	98.7	1098537.51	94525.43	3' Water - Outside Limits
20210707.00	55135	46521.9	230.2	98.7	1098537.51	94525.43	Duplicate Point # 55134
20210708.00	55136	46310.5	177.2	140.1	1098462.14	94527.84	13' Water - Not Investigated
20210707.00	55137	46287.9	99.0	48.4	1098399.87	94576.33	16' Water - Outside Limits
20210707.00	55138	46263.8	55.9	59.5	1098408.46	95029.33	15' Water - Outside Limits
20210707.00	55139	46555.2	328.1	86.8	1098417.91	95271.28	12' Water - Outside Limits
20210707.00	55140	46298.2	59.6	47.2	1098447.90	95577.11	4' Water - Outside Limits
20210707.00	55141	46321.2	65.0	57.0	1098489.57	96108.80	3' Water - Outside Limits
20210707.00	55142	46432.2	315.8	44.2	1098445.74	96220.64	9' Water - Outside Limits
20210708.00	55143	46301.3	73.3	119.1	1098375.76	96246.33	15' Water - Not Investigated
20210707.00	55144	46498.7	843.0	302.6	1098312.54	96342.59	CPU #19971634 - 14' Water - Outside Limits
20210707.00	55145	46369.5	654.1	96.6	1098364.17	96444.02	Columbia Pipeline (Did not Probe - Over 17' Water)
20210708.00	55146	46637.4	607.8	182.4	1098323.36	96467.31	Columbia Pipeline (Did not Probe - Over 17' Water)
20210707.00	55147	48782.1	2745.7	116.3	1098274.23	96492.73	Columbia Pipeline (Did not Probe - Over 17' Water)
20210707.00	55148	46252.6	173.3	72.6	1098360.52	96486.09	Enterprise Pipeline (Did not Probe - Over 20' Water)
20210707.00	55149	46405.6	340.8	80.2	1098279.74	96527.75	Enterprise Pipeline (Did not Probe - Over 20' Water)
20210707.00	55150	46406.6	1543.8	138.7	1098360.30	96519.71	Gulf South Pipeline (Did not Probe - Over 22' Water)
20210708.00	55151	46689.7	924.8	159.1	1098319.34	96546.44	Gulf South Pipeline (Did not Probe - Over 22' Water)
20210707.00	55152	46258.0	1213.3	204.5	1098276.06	96571.19	Gulf South Pipeline (Did not Probe - Over 22' Water)
20210707.00	55153	46323.3	580.4	81.7	1098351.28	96586.43	Enlink Pipeline (Did not Probe - Over 15' Water)
20210708.00	55154	46241.1	232.1	94.2	1098314.40	96599.99	Enlink Pipeline (Did not Probe - Over 15' Water)
20210708.00	55155	46937.1	741.0	82.9	1098307.15	96674.06	14' Water - Not Investigated
20210707.00	55156	46315.4	272.6	165.4	1098271.00	96686.98	13' Water - Outside Limits
20210707.00	55157	50424.2	4305.1	147.5	1098314.28	96839.87	6' Water - Outside Limits
20210707.00	55158	46248.0	91.6	48.0	1098208.12	96795.79	11' Water - Outside Limits
20210708.00	55159	46230.9	262.8	152.2	1098189.10	96893.82	Unknown Pipeline (Did not Probe - Over 13' Water)
20210707.00	55160	46302.5	84.7	154.7	1098213.45	96912.17	Unknown Pipeline (Did not Probe - Over 13' Water)
20210707.00	55161	46305.9	65.7	114.9	1098119.85	96948.47	12' Water - Not Investigated
20210708.00	55162	46274.8	58.3	98.3	1098079.58	97064.44	13' Water - Not Investigated
20210708.00	55163	46389.9	160.2	33.2	1098045.78	97236.17	7' Water - Probed Metal Object - Not Pipeline
20210708.00	55164	46467.8	826.4	31.8	1098060.11	97249.55	6' Water - Located Pipeline - Cut on both ends
20210707.00	55165	46296.0	65.6	74.1	1098006.49	97344.74	6' Water - Outside Limits
20210707.00	55166	50399.3	4047.4	89.5	1098423.21	97111.60	6' Water - Located Pipeline - Continues both directions
20210707.00	55167	47479.6	2151.3	107.0	1098461.04	97199.96	6' Water - Metal object (Trash)
20210707.00	55168	47479.6	1041.2	49.6	1098477.56	97193.53	6' Water - Not Investigated
20210708.00	55169	51204.3	4896.4	86.8	1098471.46	97142.50	CPU #20030477 - Pipeline located - Continues
20210708.00	55170	46378.0	136.1	96.1	1098516.85	97122.54	6' Water - Metal object (Trash) - Not Pipeline
20210708.00	55171	46271.4	504.2	35.9	1098536.02	97112.42	6' Water - Metal object (Trash) - Not Pipeline

20210707.00	55172	46275.3	156.5	79.6	1098602.44	97134.34	5' Water - Outside Limits
20210707.00	55173	46273.5	407.3	99.8	1098626.64	97125.13	5' Water - Nothing found with probe
20210708.00	55174	46814.9	547.5	105.2	1098606.46	97086.12	5' Water - Metal object (Trash) - Not Pipeline
20210707.00	55175	48165.6	1923.0	101.0	1098576.04	97029.27	5' Water - Nothing found with probe
20210707.00	55176	46497.1	1263.0	91.2	1098681.17	97097.97	6' Water - Outside Limits
20210707.00	55177	46574.3	345.8	51.0	1098696.86	97086.82	6' Water - Outside Limits
20210707.00	55178	46336.1	181.1	201.7	1098754.32	96954.26	5' Water - Outside Limits
20210707.00	55179	46853.7	592.5	102.8	1098960.30	96959.90	5' Water - Outside Limits
20210707.00	55180	46326.9	65.5	79.3	1099074.85	96808.63	5' Water - Metal object (Trash) - Not Pipeline
20210707.00	55181	46819.3	609.8	87.6	1099201.22	96751.96	6' Water - Nothing found with probe
20210708.00	55182	46236.5	1845.8	72.6	1099246.54	96772.29	6' Water - Nothing found with probe
20210707.00	55183	47051.1	775.1	107.0	1099291.95	96799.60	6' Water - Metal object (Trash) - Not Pipeline
20210707.00	55184	46425.5	223.3	109.1	1099854.04	97021.44	6' Water - Nothing found with probe
20210708.00	55185	46248.2	252.2	93.1	1099932.71	97028.54	6' Water - Nothing found with probe
20210707.00	55186	46328.6	103.1	67.5	1099970.17	97028.78	6' Water - Nothing found with probe
20210707.00	55187	46515.0	3791.2	57.5	1099926.21	97105.07	6' Water - Metal object (Trash) - Not Pipeline
20210708.00	55188	46179.2	486.8	82.7	1099983.61	97122.75	6' Water - Nothing found with probe
20210707.00	55189	46577.3	3011.5	68.7	1100027.44	97122.94	6' Water - Metal object (Trash) - Not Pipeline
20210707.00	55190	47101.2	1256.2	66.4	1099944.74	97135.58	6' Water - Metal object (Trash) - Not Pipeline
20210707.00	55191	48452.3	1786.9	49.0	1099953.31	97154.67	6' Water - Metal object (Trash) - Not Pipeline
20210708.00	55192	46158.4	8457.2	83.4	1099998.63	97147.99	6' Water - Located Pipeline - Cut on both ends
20210707.00	55193	47474.0	3900.6	31.2	1099957.85	97166.86	6' Water - Metal object (Trash) - Not Pipeline
20210708.00	55194	46160.5	4489.9	63.0	1100010.92	97165.85	6' Water - Metal object (Trash) - Not Pipeline
20210707.00	55195	53226.6	7310.7	59.0	1100055.17	97165.12	6' Water - Metal object (Trash from nearby platform)
20210707.00	55196	46633.6	439.1	45.1	1099962.97	97179.14	6' Water - Outside Limits
20210708.00	55197	46941.5	3883.0	33.9	1100023.35	97182.92	CPU #20110432 - 6' Water - Not Investigated
20210707.00	55198	46435.9	214.2	108.9	1100091.69	97212.36	CPU #20110432 - 6' Water - Not Investigated
20210707.00	55199	46435.9	214.2	108.9	1100098.15	97222.18	6' Water - Nothing found with probe
20210708.00	55200	46240.9	95.5	115.4	1100077.06	97264.06	6' Water - Nothing found with probe
20210707.00	55201	46357.6	64.4	47.5	1100133.93	97279.30	6' Water - Nothing found with probe
20210707.00	55202	46440.9	1147.7	74.8	1100187.58	97371.68	6' Water - Nothing found with probe
20210707.00	55203	46386.8	104.1	64.8	1100360.19	97645.67	6' Water - Nothing found with probe
20210708.00	55204	46262.2	1167.0	85.0	1100313.74	97656.46	6' Water - Nothing found with probe
20210707.00	55205	46244.6	367.3	97.3	1100273.08	97667.13	6' Water - Nothing found with probe
20210707.00	55206	46651.4	400.4	59.8	1100391.76	97720.50	6' Water - Nothing found with probe
20210708.00	55207	46225.9	260.9	74.7	1100362.96	97740.73	6' Water - Nothing found with probe
20210707.00	55208	46532.9	803.3	141.9	1100328.88	97787.52	6' Water - Nothing found with probe
20210708.00	55209	46220.4	334.2	105.2	1100397.34	97795.96	6' Water - Nothing found with probe
20210707.00	55210	46486.7	227.6	67.1	1100434.59	97774.63	6' Water - Nothing found with probe
20210708.00	55211	46370.5	220.2	116.0	1100463.21	97877.22	6' Water - Not Investigated
20210707.00	55212	46833.7	1764.4	80.7	1100458.49	97893.50	6' Water - Not Investigated