



Coastal Protection and Restoration Authority of Louisiana

Office of Coastal Protection and Restoration

2010/2011 Annual Inspection Report

for

GIWW BANK STABILIZATION PROJECT (PERRY RIDGE TO TEXAS (CS-30)

State Project Number CS-30
Priority Project List 9

April 14, 2011
Calcasieu Parish

Prepared by:

Dion Broussard, Engineer Intern I
Mel Guidry, CS-30 O & M Manager
CPRA/ Office of Coastal Protection and Restoration
Lafayette Field Office
635 Cajundome Blvd.
Lafayette, LA 70596

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I. Introduction

The GIWW Bank Stabilization (Perry Ridge to Texas) Project (CS-30) is located in the Calcasieu-Sabine Basin on the northern bank of the Gulf Intracoastal Waterway in Calcasieu Parish. The 1,132 acre project area extends from the Perry Ridge on the northern shore of the GIWW westward to the Sabine River. (See Appendix A).

The GIWW Bank Stabilization (Perry Ridge to Texas) Project (CS-30) was authorized by Section 303(a) of Title III Public Law 101-646, the Coastal Wetlands Planning Protection and Restoration Act (CWPPRA) enacted on November 29, 1990 as amended and approved on the ninth Priority Project List. The GIWW Bank Stabilization (Perry Ridge to Texas) Project has a twenty –year (20 year) economic life, which began in July 2002.

II. Project Description and History

The GIWW Bank Stabilization (Perry Ridge to Texas) Project encompasses 1,132 acres and is bounded on the south by the Gulf Intracoastal Waterway (GIWW), on the east by Perry Ridge, on the west by Conway Bayou and the Sabine River, and on the north by a pipeline canal (Attachment II). The project involves the installation and maintenance of approximately 22,952 linear feet of terrace vegetated with California bulrush plants located in shallow water areas north of the GIWW and 10,705 linear feet of foreshore rock dike on the northern bank of the GIWW from Perry Ridge heading westward to the Sabine River and then along the eastern bank of the Sabine River beginning at it's intersection with the GIWW and heading north.

The Project has twenty-year (20 year) economic life, which began in July 2002.

The principal project features include:

- Site 1 - Foreshore Rock Dike (approximately 10,705 linear feet)
- Site 2 – Earthen Terraces with vegetative plantings

III. Inspection Purpose and Procedures

The purpose of the annual inspection of the GIWW Bank Stabilization (Perry Ridge to Texas) Project (CS-30) is to evaluate the constructed project features and identify any deficiencies and prepare a report detailing the condition of project features and recommended corrective actions needed. Should it be determined that corrective actions are needed, LDNR shall provide, in the report, a detailed cost estimate for engineering, design, supervision, inspection, and construction contingencies, and an assessment of the urgency of such repairs (O&M Plan, 2002). The annual inspection report also contains a summary of maintenance projects which were completed since completion of constructed project features and an estimated projected budget for the upcoming three (3) years for operation, maintenance and rehabilitation. The three (3) year projected operation and maintenance budget is shown in Appendix C. A

summary of past operation and maintenance projects completed since completion of the GIWW Bank Stabilization (Perry Ridge to Texas) Project (CS-30) are outlined in Section IV.

In 2003, the CWPPRA Task Force determined, due to the fact that LDNR was responsible for the operation and maintenance phase of the vast majority of CWPPRA projects, that LDNR would be the responsible party for all Post Storm/Hurricane Assessments. After Hurricane Ike, every project appeared to have been impacted by the storms; therefore, LDNR determined that all projects should be assessed for damages (Broussard, 2006). With concurrence from the federal sponsor, LDNR has decided to use the information obtained during this post hurricane assessment in this Annual Maintenance Inspection.

An annual O & M inspection of the GIWW Bank Stabilization (Perry Ridge to Texas) Project (CS-30) was held on April 14, 2011 under sunny skies and mild temperatures. In attendance were Mel Guidry, and Dion Broussard of OCPR, along with Dale Garber and Charles Slocum of NRCS. The inspection began on the eastern end of the project.

The field inspection included a complete visual inspection on the entire project site. Staff gauge readings and existing benchmarks were not available to be used to determine approximate water elevation and existing elevation of the foreshore rock dike and earthen terraces. Photographs were taken at each project feature (see Appendix B) and field inspection notes were compiled to record measurement and deficiencies (Appendix D).

IV. Summary of Past Operation and Maintenance Projects

General Maintenance: Below is a summary of completed maintenance projects and operation tasks performed since July 2002, the construction completion date of the GIWW Bank Stabilization Project Perry Ridge to Texas (CS-30).

No maintenance has been required on this project.

Structure Operations: There are no active operations associated with this project.

V. Inspection Results

Site 1—Foreshore rock dike

The dike is in very good condition with one small area apparently displaced by a barge noted as being below the constructed height (coordinates N30 03 33, W93 40 29) and one other area where it appears hunters may have moved some rock (coordinates N30 03 33, W93 41 16). These two areas will be monitored during future annual inspection trips. No maintenance is recommended at this time. (Photos: Appendix B, Photo 1, 2)

Site 2—Earthen Terraces with vegetative plantings

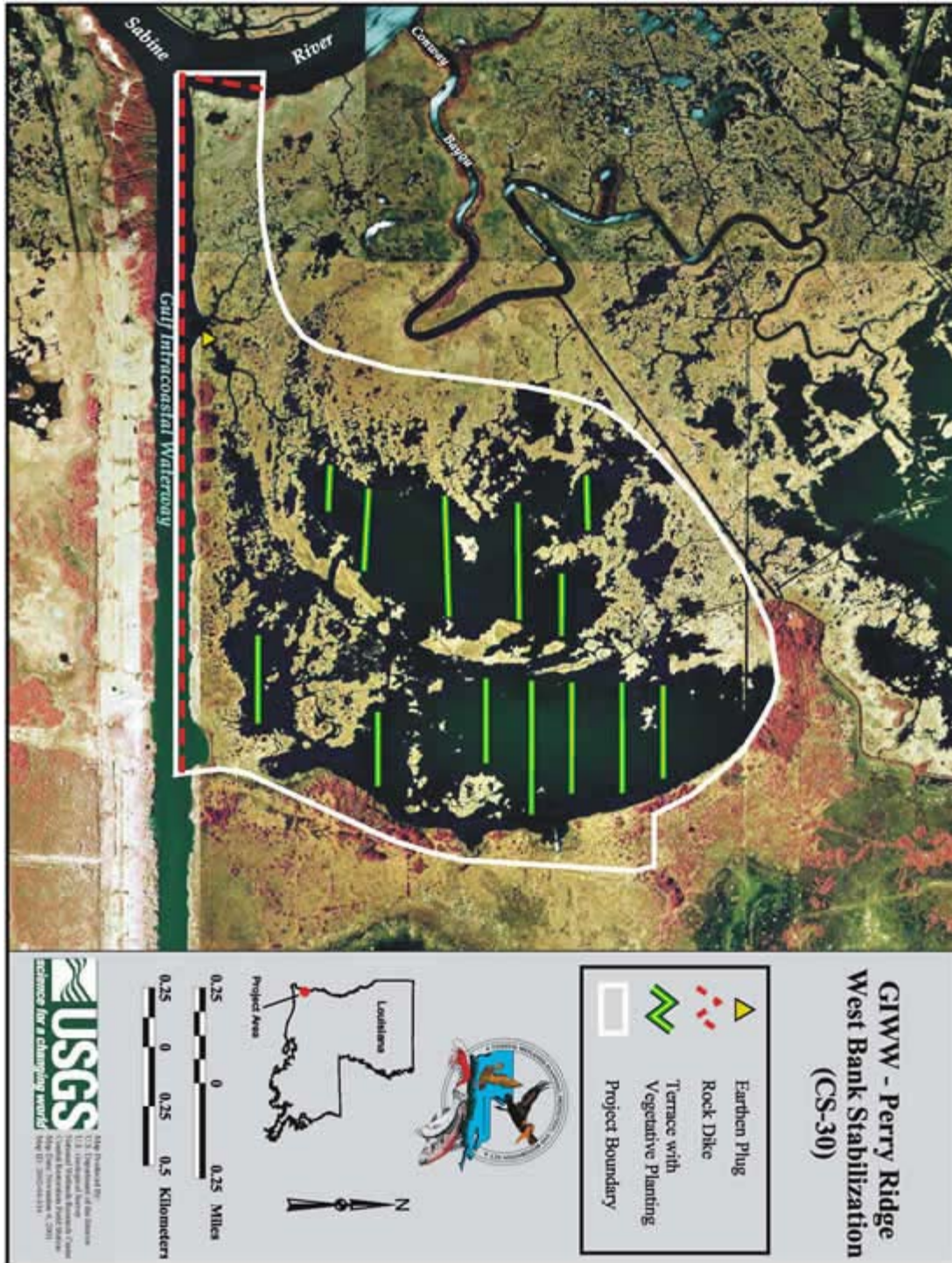
The earthen terraces and vegetative plantings were not inspected during this trip.

VI. Conclusions and Recommendations

The Perry Ridge West Bank Stabilization Project is in very good condition and functioning as designed and does not appear to have suffered any damages from Hurricane Ike.

Appendix A
Project Features Map

Annual Inspection Report
PERRY RIDGE WEST BANK STABILIZATION
State Project No. CS-30



Appendix B

Photographs



Photo No. 1, Typical rock dike



Photo No. 2, Low area of rock dike

Appendix C

Three Year Budget Projection

Annual Inspection Report
PERRY RIDGE WEST BANK STABILIZATION
State Project No. CS-30

GIWW-PERRY RIDGE BANK STABILIZATION/ CS-30 /PPL 9
Three-Year Operations & Maintenance Budgets 07/01/2011 - 06/30/2014

<u>Project Manager</u>	<u>O & M Manager</u>	<u>Federal Sponsor</u>	<u>Prepared By</u>
Darrell Pontiff	Mel Guidry	NRCS	Mel Guidry

	2011/2012 (-10)	2012/2013 (-11)	2013/2014 (-12)
Maintenance Inspection	\$ 6,086.00	\$ 6,269.00	\$ 6,457.00
Structure Operation			
State Administration		\$ -	\$ -
Federal Administration		\$ -	\$ -

Maintenance/Rehabilitation

11/12 Description:

E&D	
Construction	
Construction Oversight	
Sub Total - Maint. And Rehab.	\$ -

12/13 Description

E&D	\$ -
Construction	\$ -
Construction Oversight	\$ -
Sub Total - Maint. And Rehab.	\$ -

13/14 Description:

E&D	\$ -
Construction	\$ -
Construction Oversight	\$ -
Sub Total - Maint. And Rehab.	\$ -

	2011/2012 (-10)	2012/2013 (-11)	2013/2014 (-12)
Total O&M Budgets	\$ 6,086.00	\$ 6,269.00	\$ 6,457.00

O & M Budget (3 yr Total)	\$ 18,812.00
Unexpended O & M Budget	\$ 38,864.00
Remaining O & M Budget (Projected)	\$ 20,052.00

Appendix D

Field Inspection Form

Annual Inspection Report
PERRY RIDGE WEST BANK STABILIZATION
State Project No. CS-30

MAINTENANCE INSPECTION REPORT CHECK SHEET

Project No. / Name: CS-30 GIWW-Perry Ridge

Date of Inspection: April 14, 2011 Time: 10:30 am

Structure No.

Inspector(s): Mel Guidry & Dion Broussard (OCPR)
Dale Garber & Charles Slocum (NRCS)

Structure Description: Rock Dike/Earthen Terraces

Water Level

Type of Inspection: Annual

Weather Conditions: Clear & mild

Item	Condition	Physical Damage	Corrosion	Photo #	Observations and Remarks
Steel Bulkhead / Caps	N/A				
Steel Grating	N/A				
Stop Logs	N/A				
Hardware	N/A				
Timber Piles	N/A				
Timber Wales	N/A				
Galv. Pile Caps	N/A				
Cables	N/A				
Signage / Supports	N/A				
Rip Rap (fill) (foreshore dike)	Good			1, 2	Low area where it appears a barge has pushed the rock dike down is located at N 30 03' 33.0" W 093 41' 16.2"
Earthen Terraces					Not inspected on this trip.
Vegetative Plantings					

What are the conditions of the existing levees?
Are there any noticeable breaches?
Settlement of rock plugs and rock weirs?
Position of stoplogs at the time of the inspection?
Are there any signs of vandalism?

Appendix E

Locations to be Monitored