



**Coastal Protection and Restoration  
Authority of Louisiana**

**Office of Coastal Protection and  
Restoration**

**2008/2009 Annual Inspection  
Report**

for

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

State Project Number CS-30  
Priority Project List 9

October 2, 2008  
Calcasieu Parish

Prepared by:

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

## **Table Of Contents**

I. Introduction.....	1
II. Inspection Purpose and Procedures .....	1
III. Project Description and History.....	1
IV. Summary of Past Operation and Maintenance Projects.....	2
V. Inspection Results .....	2
VI Conclusions and Recommendations .....	2

## **Appendices**

Appendix A	Project Features Map
Appendix B	Photographs
Appendix C	Three Year Budget Projections
Appendix D	Field Inspection Notes
Appendix E	Map showing areas to be monitored

## **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. 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, OCPR 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 OCPR was responsible for the operation and maintenance phase of the vast majority of CWPPRA projects, that OCPR 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, OCPR determined that all projects should be assessed for damages (Broussard, 2006). With concurrence from the federal sponsor, OCPR 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 October 2, 2008 under sunny skies and mild temperatures. In attendance were Mel Guidry, Stan Aucoin, and Tommy McGinnis of OCPR, along with Bill Hicks (USACE) and John Foret (NOAA) for other inspections. The inspection began on the eastern end of the project.

The field inspection included a complete visual inspection on the entire project site exclusive of the terraces and vegetative plantings. 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 to date.

**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. No maintenance is recommended at this time. (Photos: Appendix B, Photo 1)

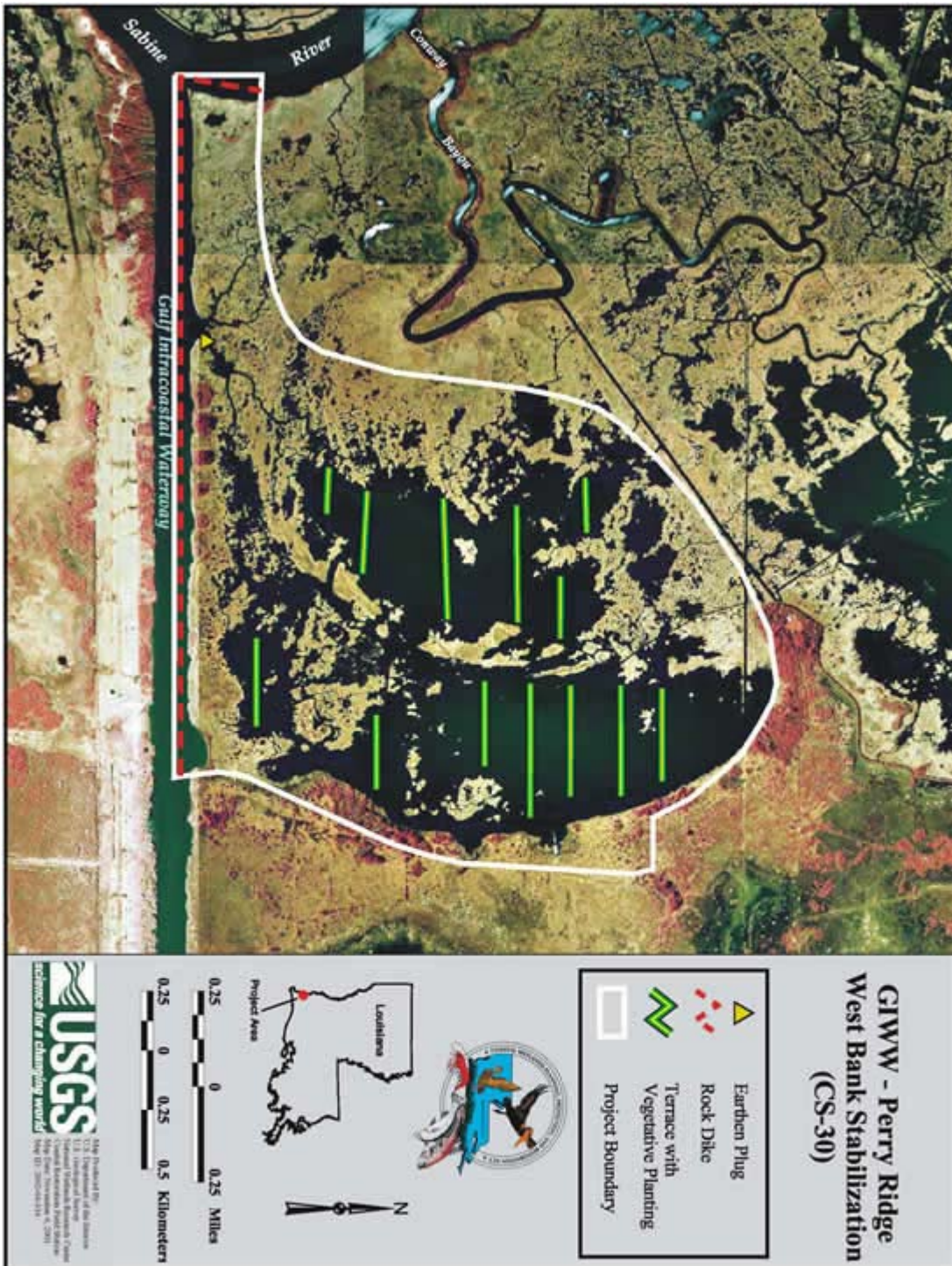
**Site 2—Earthen Terraces with vegetative plantings**

The earthen terraces and vegetative plantings were not inspected during this trip. In concurrence with the federal sponsor it was decided the terrace field is in stable condition after several years post construction. Due to logistics/coordination involved with setting up the inspection as well as the stability of the terraces thus far, it was decided that an inspection was not required every year.

**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**



## **Appendix B**

### **Photographs**





**Photo No. 1,** Typical 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 07/01/2009 - 06/30/2012**

<u>Project Manager</u> Pat Landry	<u>O &amp; M Manager</u> Mel Guidry	<u>Federal Sponsor</u> NRCS	<u>Prepared By</u> Mel Guidry
--------------------------------------	--	--------------------------------	----------------------------------

	2009/2010	2010/2011	2011/2012
<b>Maintenance Inspection</b>	\$ 5,737.00	\$ 5,909.00	\$ 6,086.00
<b>Structure Operation</b>			
<b>Administration</b>		\$ -	\$ -
<b>Maintenance/Rehabilitation</b>			

09/10 Description:

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

10/11 Description

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

11/12 Description:

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

	2009/2010	2010/2011	2011/2012
<b>Total O&amp;M Budgets</b>	\$ 5,737.00	\$ 5,909.00	\$ 6,086.00

<b>O &amp; M Budget (3 yr Total)</b>	\$ 17,732.00
<b>Unexpended O &amp; M Budget</b>	\$ 41,362.00
<b>Remaining O &amp; M Budget (Projected)</b>	\$ 23,630.00

## **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: October 2, 2008 Time: 11:30 am

Structure No.

Inspector(s): Stan Aucoin, Mel Guidry & Tommy McGinnis (OCPR)  
 Bill Hicks (COE), John Foret (NOAA)

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	
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**