



**State of Louisiana**

**Coastal Protection and Restoration  
Authority of Louisiana (CPRA)**

**2012/2013 Annual Inspection  
Report**

for

**PERRY RIDGE SHORELINE  
PROTECTION PROJECT (CS-24)**

State Project Number CS-24  
Priority Project List 4

June 13, 2013  
Calcasieu Parish

Prepared by:

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## **I. Introduction**

The Perry Ridge Shoreline Protection Project (CS-24) is located in the Calcasieu-Sabine Basin on the northern bank of the Gulf Intracoastal Waterway in Calcasieu Parish. The 1,203 acre project area extends from the Perry Ridge on the northern shore of the GIWW eastward to the Vinton Drainage Canal. (See Appendix A).

The Perry Ridge Shoreline Project (CS-24) 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 fourth Priority Project List. The Perry Ridge Shoreline Project has a twenty –year (20 year) project life, which began in February 1999.

## **II. Project Description and History**

The Perry Ridge Shore Protection project provides features to protect 1,203 ac (481 ha) of vegetated shoreline along the Gulf Intracoastal Waterway (GIWW), which in turn will benefit 5,945 ac (2,378 ha) of predominantly intermediate marsh located north of the shoreline. The project is on the north bank of the GIWW from Perry Ridge to the Vinton Drainage Canal in Calcasieu Parish, Louisiana. The project area is bounded on the north by an arbitrary line connecting the north tip of Big Island and the Gray Canal, on the south by the GIWW, on the east by the Vinton Drainage Canal and the Gray Canal, and on the west by Perry Ridge and Big Island. Approximately 12,000 linear ft (3.7 km) of free-standing rock dike was constructed along the north bank of the GIWW from Perry Ridge to the Vinton Drainage Canal.

The Project has twenty-year (20 year) economic life, which began in February 1999.

The principal project features include:

- Site 1 - Foreshore Rock Dike (approximately 12,000 linear feet)

## **III. Inspection Purpose and Procedures**

The purpose of the annual inspection of the Perry Ridge Shoreline Protection Project (CS-24) is to evaluate the constructed project features, 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, CPRA 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 Perry Ridge Shoreline Project (CS-24) are outlined in Section IV.

An annual O & M inspection of the Perry Ridge Shoreline Project (CS-24) was held on June 13, 2013 under sunny skies and warm temperatures. In attendance were Mel Guidry, Stan Aucoin, and Darrell Pontiff of CPRA, along with Frank Chapman and Brandon Samson of NRCS, and Josh Carson for other inspections. The boat was launched at Intracoastal Park located at the foot of the Ellender Bridge (LA Hwy 27) over the Gulf Intracoastal Waterway. The inspection began at 11:30am at 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 determine approximate water level and existing elevation of the foreshore rock dike. 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 February 1999, the construction completion date of the Perry Ridge Shoreline Protection Project (CS-24).

No maintenance has been required on this project.

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

#### **V. Inspection Results**

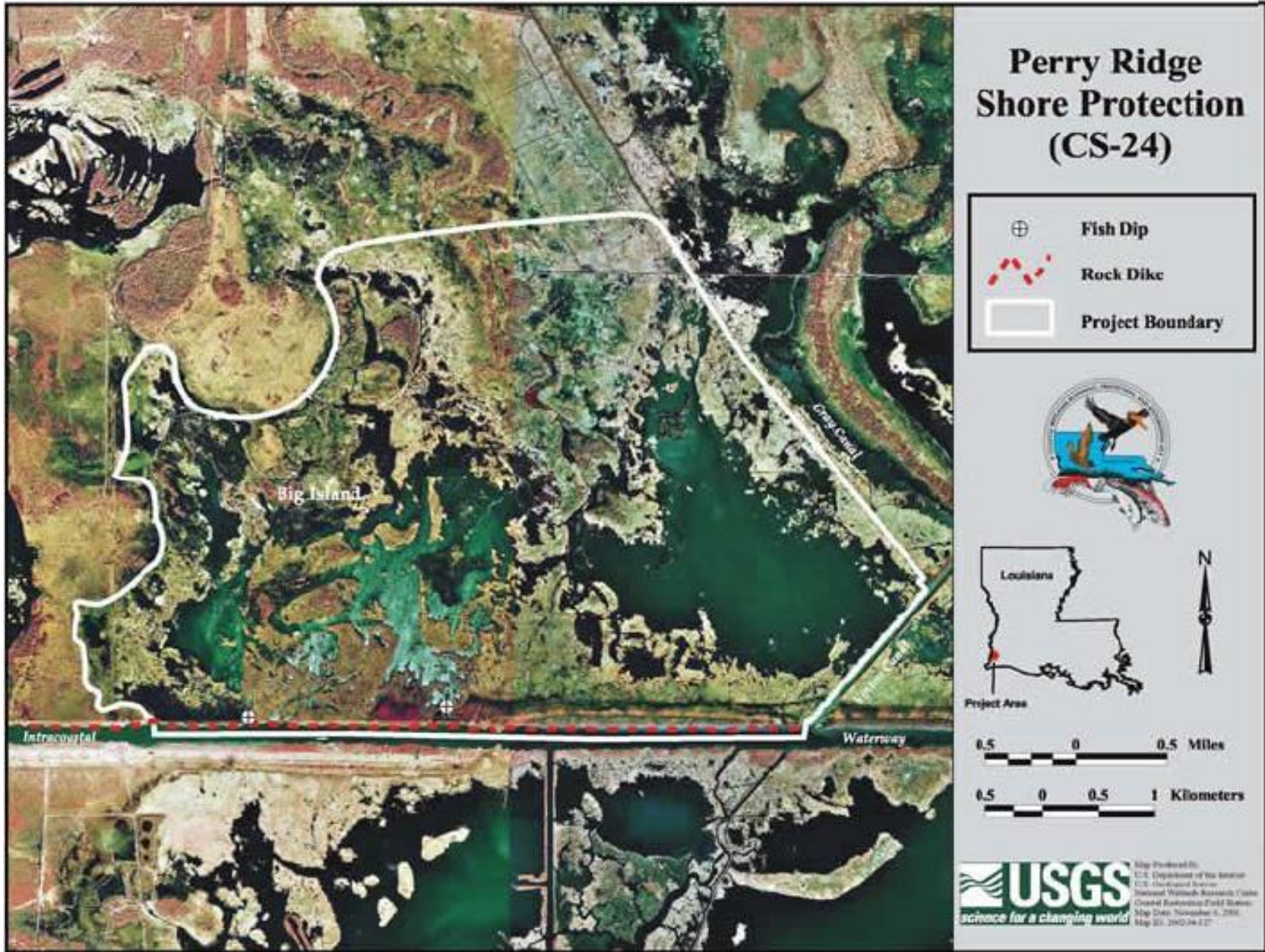
##### **Site 1—Foreshore rock dike**

The dike is in good condition with a few low areas below constructed elevation. One 50 foot gap was noted where the dike was disturbed by a barge. Visible signs of accretion are occurring behind the rock dike. No maintenance is recommended at this time. (Photos: Appendix B, Photo 1-2)

#### **VI. Conclusions and Recommendations**

The Perry Ridge Shoreline Protection Project is in good condition and functioning as designed.

**Appendix A**  
**Project Features Map**

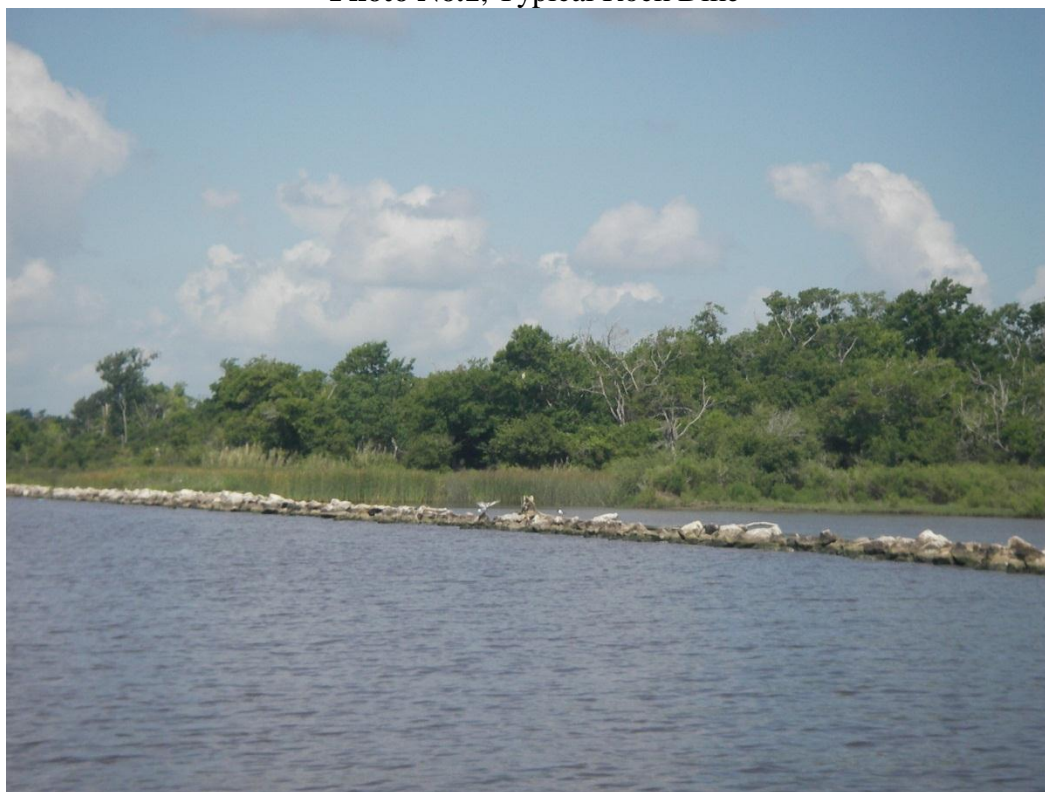


## **Appendix B**

### **Photographs**



**Photo No.1**, Typical Rock Dike



**Photo No.2**, Accretion behind Rock Dike



**Appendix C**  
**Three Year Budget Projection**

**PERRY RIDGE SHORELINE PROTECTION/ CS-24 /PPL 4**  
**Three-Year Operations & Maintenance Budgets 07/01/2013 - 06/30/2016**

<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
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	2013/2014 (-15)	2014/2015 (-16)	2015/2016 (-17)
<b>Maintenance Inspection</b>	\$ 6,457.00	\$ 6,651.00	\$ 6,851.00
<b>Structure Operation</b>			
<b>State Administration</b>		\$ -	\$ -
<b>Federal Administration</b>		\$ -	\$ -
<b>Maintenance/Rehabilitation</b>			

**13/14 Description:**

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

**14/15 Description:**

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

**15/16 Description:**

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

	2013/2014 (-15)	2014/2015 (-16)	2015/2016 (-17)
<b>Total O&amp;M Budgets</b>	\$ 6,457.00	\$ 6,651.00	\$ 6,851.00

<b><u>O &amp;M Budget (3 yr Total)</u></b>	<b><u>\$ 19,959.00</u></b>
<b><u>Unexpended O &amp; M Budget</u></b>	<b><u>\$ 370,523.00</u></b>
<b><u>Remaining O &amp; M Budget (Projected)</u></b>	<b><u>\$ 350,564.00</u></b>

**Appendix D**

**Field Inspection Form**

Annual Inspection Report  
 PERRY RIDGE SHORELINE PROTECTION PROJECT  
 State Project No. CS-24

**MAINTENANCE INSPECTION REPORT CHECK SHEET**

Project No. / Name: CS-24 Perry Ridge Shoreline Protection

Date: June 13, 2013

Structure No.

Inspector(s): Mel Guidry, Stan Aucoin, Darrell Pontiff (CPRA)  
 Frank Chapman, Brandon Samson (NRCS), Josh Carson (COE)

Structure Description: Rock Dike

Water Level: Gage Not Available

Type of Inspection: Annual

Weather Conditions: Sunny and Warm

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	Rock Dike in good condition. A few low areas below original construction elevation. One 50 foot gap in dike possibly due to a barge nosing into rock. Accretion occurring behind rock dike.
Earthen Embankment	N/A				

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?