



**State of Louisiana
Department of Natural Resources
Coastal Engineering Division**

**2006/2007 Annual Inspection
Report**

for

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

State Project Number CS-24
Priority Project List 4

June 20, 2007
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) economic 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 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 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 20, 2007 under sunny skies and warm temperatures. In attendance were Mel Guidry, Stan Aucoin, Darrell Pontiff of LDNR, along with Dale Garber representing NRCS. 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 excellent condition with some very small areas being below constructed elevation. No maintenance is recommended at this time. (Photos: Appendix B, Photos 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 1, Typical rock dike.



Photo 2, Rock dike tie-in.

Appendix C

Three Year Budget Projection

Annual Inspection Report
 PERRY RIDGE SHORELINE PROTECTION PROJECT
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PERRY RIDGE SHORELINE PROTECTION/ CS-24 /PPL 4
Three-Year Operations & Maintenance Budgets 07/01/2007 - 06/30/10

<u>Project Manager</u> Pat Landry	<u>O & M Manager</u> Mel Guidry	<u>Federal Sponsor</u> NRCS	<u>Prepared By</u> Mel Guidry
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	2007/2008	2008/2009	2009/2010
Maintenance Inspection	\$ 5,407.00	\$ 5,570.00	\$ 5,737.00
Structure Operation			
Administration		\$ -	\$ -
Maintenance/Rehabilitation			

07/08 Description:

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

08/09 Description:

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

09/10 Description:

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

	2007/2008	2008/2009	2009/2010
Total O&M Budgets	\$ 5,407.00	\$ 5,570.00	\$ 5,737.00

O & M Budget (3 yr Total)	\$ 16,714.00
Unexpended O & M Budget	\$ 396,928.74
Remaining O & M Budget (Projected)	\$ 380,214.74

Appendix D

Field Inspection Form

Annual Inspection Report
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MAINTENANCE INSPECTION REPORT CHECK SHEET

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

Date of Inspection: June 20, 2007 Time:

Structure No.

Inspector(s): Stan Aucoin, Mel Guidry & Darrell Pontiff (LDNR)
 Dale Garber (NRCS)

Structure Description: Rock Dike

Water Level

Type of Inspection: Annual

Weather Conditions: Clear & hot

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	
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?

Appendix E

Locations to be Monitored