Coastal Protection and Restoration Authority of Louisiana

Office of Coastal Protection and Restoration

2011 Annual Inspection Report

Jonathan Davis Wetland Protection

State Project Number BA-20
Priority Project List 2

June 29, 2011
Jefferson Parish

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I. Introduction

The Jonathan Davis Wetland Protection (BA-20) project is located in Jefferson Parish within the Barataria Basin. It encompasses 7,199 acres (2,880 ha) of wetlands, which were classified as intermediate marsh in 1994 (OCPR 1998). The project is bounded on the north by the Pailet Canal, on the east by La. Hwy. 301, on the south by Bayous Perot and Rigolettes, and on the west by the Gulf Intracoastal Waterway (GIWW) (Appendix A).

II. Project Description and History

Overall, 1,393 ac (557 ha) of land within the Jonathan Davis Wetland Protection project area have been converted to open water between 1945 and 1989 (Coastal Environments Inc. 1991). The average rate of change of marsh to non-marsh (including loss to both open water and commercial development) has increased since the 1940s. National Biological Survey (NBS) Geographic Information System (GIS) habitat data from 1956 characterized the majority of the area as fresh marsh. However, the 1978 and 1990 data indicate that the area has become more saline. In both 1978 and 1990, the area was classified as primarily intermediate marsh. Chabreck and Linscombe (1988) also characterize the area as intermediate marsh.

Large scale factors influencing degradation in the Barataria basin include subsidence, lack of sedimentation, and reduced freshwater influx due to the levee system on the Mississippi River and its major distributaries. To compound this problem, there are no major external sources of inorganic sediment into the project area although some sediment does enter via the GIWW. Moreover, storm surges moving through numerous oil field canals within the area have facilitated the export of a large portion of the indigenous inorganic and organic sediments.

Other factors influencing wetland loss within the project area are increased water exchange, saltwater intrusion, tidal scour, and shoreline erosion along Bayous Perot and Rigolettes. Shoreline erosion from 1945 to 1989 caused primarily by wave action along Bayou Perot has been measured at 20 ft/yr (6.1 m/yr). Saltwater intrusion and tidal scour are believed to have been enhanced with the construction of various oil field canals that were dredged in the 1940s when oil companies were not responsible for maintaining a continuous spoil bank along the canals. As a result, the breaches that occurred were not repaired and subsequently exposed the interior marsh to increased tidal flows and salinity during storm surges.

Project features consist of shoreline protection, rock armored plugs, rock weirs, and weirs with boat bays. Construction Unit 1, which consists of project features 12, 13, 14, 15, 16, 17, 19, 20, and 21, was completed in September 1998. Construction Unit 2 was completed in May 2001. It encompassed installing a weir at structure 22, and shoreline protection from structures 20 to 22. Construction Unit 3, which consists of shoreline
protection extending from project feature 12, west to the Gulf Intracoastal Waterway, was completed on July 7, 2003. Construction of features 1, 2, 3, 6, 8, 9, 10, and 11 in the northern project area has been deferred due to the anticipated positive influence of Davis Pond Diversion, lack of funding, and land rights issues. (Appendix A)

On January 30, 2002, Stone Energy Corporation was issued a Coastal Use Permit to plug and abandon existing wells within the Jonathan Davis Wetland Protection Project. This work was completed on 7/18/02 and consisted of removing and replacing structures 13 & 19 to plug and abandon several existing wells located behind these structures. The cost associated with removing and replacing these structures was incurred entirely by Stone Energy Corporation. However, at the request of NRCS, OCPR was required to provide inspection services for this project. OCPR obtained the services of GSE Associates, Inc. to inspect construction activities and prepare a project completion report and as-built drawings. These services were performed for a total cost of $9,394.13.

As part of the construction documents prepared by NRCS for this project, Stone Energy Corporation was required to reconstruct structure 13, increasing the boat bay crest from 50’ to 100’ in width and raising the crest elevation from -5.0’ NGVD to -2.5’ NGVD.

As part of work for Construction Unit 4, maintenance was performed on structures 14, 15, and 17. Due to the location and activity of a pipeline in the vicinity of Structure 16 no work was performed there. However, due to the location and infilling in front of Structure 16, no work is required.

III. Inspection Purpose and Procedures

The purpose of the annual inspection of the Jonathan Davis Wetland Protection (BA-20) project is to evaluate the constructed project features to 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 March 18, 2002). The annual inspection report also contains a summary of maintenance projects 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 project are outlined in Section II.

An inspection of the Jonathan Davis Wetland Protection (BA-20) project was held on April 21, 2011, by Barry Richard of OCPR and Quin Kinler and Mike Trusclair of NRCS. Photographs of that inspection are included in Appendix B of this report.
IV. Inspection Results

Construction Unit No. 1

Structure No. 12 – Rock rip-rap armored plug

The structure is in good condition. There is some slight settling across the structure. All of the signs and supports were in good condition. At this time there is no need for any maintenance work to be done at this structure.

Structure No. 13 – Rock rip-rap armored weir w/ boat bay

Due to the water level and structure settlement the structure was not visible. All signs and supports are in good condition. No maintenance will be required at this time.

Structure No. 14 – Rock rip-rap armored plug

Approximately 80% of this structure has been repaired. The two breaches were still present at the time of the inspection. The repairs that were effected at the time of the inspection looked good. (Photo #1)

Structure No. 15 – Rock rip-rap weir w/ boat bay

All maintenance has been performed on this structure during construction of Construction Unit 4. The boat bay has been filled and everything is in good condition. (Photo #2)

Structure No. 16 – Rock rip-rap channel plug

Structure 16 was difficult to inspect due to the amount of vegetation growing on the structure. (Photo #3) It is assumed that this structure has stabilized due to the conditions of the channel and the structure signage. The new construction has tied this in with the rest of the Construction Units and it is recommended that there be no maintenance work at this time.

Structure No. 17 – Rock rip-rap channel plug

All maintenance work has been completed through Construction Unit 4 and the structure is in good condition.

Structure No. 19 – Rock rip-rap weir w/ boat bay

Structure 19 appeared to be in good condition. The tides and settlement prevented us from viewing the entire structure. The warning signs and supports were also in good condition. NRCS and OCPR agree that this structure will not require maintenance.
Structure No. 20 – Rock rip-rap armored plug

The structure appeared to be in good condition with no signs of settlement of the rock weir. The warning signs and supports were also in good condition. The structure was heavily vegetated at the time of inspection. NRCS and OCPR agree that this structure will not require maintenance.

Structure No. 21 – Rock rip-rap armored plug

The rock armored plug appeared to be in good condition with slight settlement on the east side of the structure. This was hard to fully assess due to the amount of vegetation on the structure. OCPR and NRCS agree that the structure will not require maintenance at this time.

Construction Unit No. 2

Structure No. 22 A – Canal bank stabilization

The structure looked to be in good condition. The structure is becoming more vegetated and there are little to no signs of settlement. OCPR and NRCS agree that maintenance of this structure is not needed at this time.

Structure No. 22 – Steel sheet pile weir w/ boat bay

The structure appears to be in good condition along with the signs, supports, and sheet pile caps. OCPR and NRCS agree that this structure will require no work at this time.

Bayou Rigolettes Bank Stabilization

The rock dike along the northern shore of Bayou Rigolettes appears to be in good condition. There is some noticeable settlement near the western end of this feature (Photo #4). Any maintenance work required will be completed in a future maintenance event.

Construction Unit No. 3

Bayou Perot Bank Stabilization

The Bayou Perot Bank Stabilization looks good. There was some erosion noticed at the western most portion of the West Reach of the structure. This area of erosion has increased and will continue to be monitored. There was also some settlement noticed. It is agreed
that some maintenance work is needed for this structure during a future maintenance event.

V. Conclusions

Overall this project has proven very effective in reducing shoreline erosion. With the exception of the few locations where the individual structures and the rock dike bank stabilization is experiencing more rapid settlement, the structures have proven to be very stable. There is not enough maintenance required at this time to warrant any maintenance activity. If more settlement is noticed then an assessment of needed maintenance will occur at that time.

VI. Recommendations

There is no need for any maintenance activity at this time.

Immediate Repairs

- None at this time.

Programmed Maintenance

- Continue to monitor the condition of all structures.
Appendix A

Project Features Map
2011 Annual Inspection Report
Jonathan Davis Wetland Protection
State Project No. BA-20

Data Source:
Background image is a 1993 SPOT panchromatic satellite image shown at 1:65,000.

Prepared by:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Lafayette, LA
and
Louisiana Department of Natural Resources
Coastal Restoration Division
New Orleans Field Office

Federal Sponsor:
U.S. Department of Agriculture
Natural Resources Conservation Service

Map ID: USGS-NWRC 2004-02-XXXX

Project Location
Appendix B

Photographs
2011 Annual Inspection Report
Jonathan Davis Wetland Protection
State Project No. BA-20

Photo #3 – New Rock to Structure #16 (under vegetation)

Photo #4 – Low spot near Structure #20
Appendix C

Three Year Budget Projection
### Current Approved O&M Budget

| Year | FY02 | FY03 | FY04 | FY05 | FY06 | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 | FY14 | FY15 | FY16 | FY17 | FY18 | FY19 | FY20 | FY21 | Project Life Budget | Currently Funded |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|-----------------|
| State O&M | $4,200 | $4,309 | $4,421 | $4,536 | $84,433 | $504,924 | $4,899 | $5,027 | $5,157 | $111,609 | $2,668,178 | $5,570 | $5,715 | $218,766 | $170,377 | $3,462,144 | $11,333 | $11,498 | $11,667 | $11,840 | $7,310,604 | $7,310,604 |
| Corps Admin | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Federal S&A | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Total | $4,200 | $4,309 | $4,421 | $4,536 | $84,433 | $504,924 | $4,899 | $5,027 | $5,157 | $111,609 | $2,668,178 | $5,570 | $5,715 | $218,766 | $170,377 | $3,462,144 | $11,333 | $11,498 | $11,667 | $11,840 | $7,310,604 | $7,310,604 |

### Projected O&M Expenditures

| Category | FY02 | FY03 | FY04 | FY05 | FY06 | FY07 | FY08 | FY09 | FY10 | FY11 | FY12 | FY13 | FY14 | FY15 | FY16 | FY17 | FY18 | FY19 | FY20 | FY21 | Project Life Budget | Currently Funded |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|-----------------|
| Maintenance Inspection | $4,200 | $4,309 | $4,421 | $4,536 | $4,775 | $4,899 | $5,027 | $5,157 | $5,291 | $5,429 | $5,570 | $5,715 | $5,864 | $6,016 | $6,172 | $6,333 | $6,498 | $6,667 | $6,840 | $61,103 | $16,714 |
| General Maintenance | $75,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 | $100,000 |
| Sign Replacement | $4,779 | $19,420 | $6,317 | $102,622 | $122,352 | $9,361 | $132,967 | $297,302 | $302,622 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Federal S&A | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Maintenance/Rehabilitation | $4,779 | $19,420 | $6,317 | $102,622 | $122,352 | $9,361 | $132,967 | $297,302 | $302,622 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| Construction | $430,809 | $2,312,307 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 | $150,000 |
| Construction Oversight | $17,232 | $92,492 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 | $120,000 |
| Total | $84,433 | $504,924 | $4,899 | $5,027 | $5,157 | $111,609 | $2,668,178 | $5,570 | $5,715 | $218,766 | $170,377 | $3,462,144 | $11,333 | $11,498 | $11,667 | $11,840 | $7,310,604 | $7,310,604 | $7,310,604 | $7,310,604 | $7,310,604 | $7,310,604 |

**Notes:**
1. The year-by-year figures for the current Approved O&M Budget are based on the BEAST approved at the 6/3/09 Task Force meeting. This spreadsheet was a correction to the BEAST submitted for the Fall 2008 funding requests.

**Total Estimated O&M Expenditures (as of April 2010)**: $88,001

**Current O&M Budget less COE Admin**: $7,310,604

**Remaining Available O&M Budget**: $7,222,604

**Project Life Budget Request Amount**: $6,634,538

**Total Projected Project Life Budget**: $7,310,604

**Incremental Funding Request Amount FY12-FY14**: $-5,543,140

**Project Life Budget Request Amount**: $676,067
Appendix D

Field Inspection Form
**MAINTENANCE INSPECTION REPORT CHECK SHEET**

**Project No. / Name:** **BA-20 Jonathan Davis Wetland**  
**Date of Inspection:** 4/21/2011  
**Time:** 9:30 am

**Structure No.**  
**Construction Unit No.1 - Site No. 12**

**Structure Description:** Rock rip-rap armored plug  
**Type of Inspection:** Annual, Post Storm, other Annual  
**Weather Conditions:** Partly Cloudy, Moderate Wind

<table>
<thead>
<tr>
<th>Item</th>
<th>Condition</th>
<th>Physical Damage</th>
<th>Corrosion</th>
<th>Photo #</th>
<th>Observations and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signage and supports</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armored Plug</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td>There have been no changes since the last inspection. NRCS and OCPR agree that no maintenance required at this time.</td>
</tr>
<tr>
<td>Earthen Embankment</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Construction Unit No.1**  
**Structure Description:** 294 linear ft. rock rip-rap armored rock-filled plug located in a pipeline channel north of Bayou Perot, west of Bayou Barataria, and east of the GIWW. The crest of the weir was set at an elevation of +3.9 ft. NGVD. The rock-filled plug contains 2,689 tons of rock filled with 2,518 tons of rip-rap armor. Aluminum warning signs are also located through the rock embankment.
### MAINTENANCE INSPECTION REPORT CHECK SHEET

**Project No. / Name:** BA-20 Jonathan Davis Wetland  
**Date of Inspection:** 4/21/2011  
**Time:** 9:30 am  
**Inspection:** Annual, Post Storm, other Annual  
**Water Level:** Inside: N/A  
Outside: 0.8'  
**Weather Conditions:** Partly Cloudy, Moderate Wind

<table>
<thead>
<tr>
<th>Item</th>
<th>Condition</th>
<th>Physical Damage</th>
<th>Corrosion</th>
<th>Photo #</th>
<th>Observations and Remarks</th>
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<tbody>
<tr>
<td>Signage and supports</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armored Plug</td>
<td>Fair</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Earthen Embankment</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Construction Unit No.1**

Structure Description: 300 linear ft. rock rip-rap armored rock filled weir with a 50 ft. wide boat bay located north of Bayou Perot and Site 12, west of Bayou Barataria, and east of the GIWW. The crest of the weir is set at an elevation of +1.0 ft. NGVD. The invert of the boat bay is set at an elevation of -5.0 ft. NGVD. Rock wingwalls were constructed to an elevation of +3.6 ft. NGVD. On the west side and +4.0 ft. NGVD on the east side of the weir. The rock filled weir contains 1,093 tons of rock fill and 772 tons of rip-rap armor. Aluminum warning signs are located adjacent to the structure.

Observations:  
It is apparent this structure has settled. However, it is agreed that there is no need for maintenance at this time.
### MAINTENANCE INSPECTION REPORT CHECK SHEET

**Project No. / Name:** BA-20 Jonathan Davis Wetland  
**Date of Inspection:** 4/21/2011  
**Time:** 9:30 am  
**Inspector(s):** Richard, Kinler, Trusclair  
**Structure No.**  
**Construction Unit No.1** - Site No. 14  
**Structure Description:** Rock rip-rap armored plug  
**Water Level**  
Inside: N/A  
Outside: 0.8'  
**Weather Conditions:** Partly Cloudy, Moderate Wind  

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<tr>
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<th>Condition</th>
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<th>Corrosion</th>
<th>Photo #</th>
<th>Observations and Remarks</th>
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<tbody>
<tr>
<td>Signage and supports</td>
<td>Good</td>
<td></td>
<td></td>
<td>1</td>
<td>80% of the repairs have been completed at this time. Looks good.</td>
</tr>
<tr>
<td>Armored Plug</td>
<td>Good</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Earthen Embankment</td>
<td>Fair</td>
<td></td>
<td></td>
<td>1</td>
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**Construction Unit No.1**  
**Structure Description:** 138 linear ft. of rock rip-rap armored rock filled channel plug located in a pipeline channel north of Bayou Perot, west of Bayou Barataria and east of GIWW and Site 13. The crest of the plug was constructed to an elevation of +3.2 ft. NGVD. The rock filled plug contains 2,580 tons of rock fill and 1,346 tons of rock rip-rap armor. Aluminum warning signs are located through the rock embankment.
**MAINTENANCE INSPECTION REPORT CHECK SHEET**

**Project No. / Name:** BA-20 Jonathan Davis Wetland  
**Date of Inspection:** 4/21/2011  
**Time:** 9:30 am  
**Inspector(s):** Richard, Kinler, Trusclair

**Structure Description:** Rock rip-rap armored weir w/ boat bay  
**Water Level**  
Inside: N/A  
Outside: 0.8'

**Type of Inspection:** Annual

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<th>Photo #</th>
<th>Observations and Remarks</th>
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<tr>
<td>Armored Plug</td>
<td>Good</td>
<td></td>
<td></td>
<td>2</td>
<td>Observations:</td>
</tr>
<tr>
<td>Earthen Embankment</td>
<td>Good</td>
<td></td>
<td></td>
<td>2</td>
<td>The maintenance work is completed and this is now a channel plug structure.</td>
</tr>
</tbody>
</table>

**Construction Unit No.1**

Structure Description: Rock Riprap Channel Plug

**Remarks:**
### MAINTENANCE INSPECTION REPORT CHECK SHEET

**Project No. / Name:** BA-20 Jonathan Davis Wetland  
**Date of Inspection:** 4/21/2011  
**Time:** 9:30 am  
**Inspector(s):** Richard, Kinler, Trusclair  
**Structure No.** [ ]  
**Construction Unit No.** 1 - Site No. 16  
**Structure Description:** Rock rip-rap armored plug  
**Water Level:**  
<table>
<thead>
<tr>
<th>Inside</th>
<th>Outside</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>0.8'</td>
</tr>
</tbody>
</table>

**Type of Inspection:** Annual, Post Storm, other  
**Annual**  
**Weather Conditions:** Partly Cloudy, Moderate Wind  

<table>
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<th>Item</th>
<th>Condition</th>
<th>Physical Damage</th>
<th>Corrosion</th>
<th>Photo #</th>
<th>Observations and Remarks</th>
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<tr>
<td>Armored Plug</td>
<td>Fair</td>
<td></td>
<td></td>
<td>3</td>
<td>Observation:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>There have been no changes since the last inspection.</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>Maintenance not needed at this time.</td>
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<td>Earthen Embankment</td>
<td>Good</td>
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<td></td>
<td>3</td>
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</table>

### Construction Unit No.1

303 linear ft. of rock rip-rap armored rock filled plug located in a pipeline channel north of Bayou Perot, west of Bayou Barataria, east of the GIWW and Site 15. The crest of the plug was constructed to an elevation of +4.0 ft. NGVD. The rock filled plug contains 6,483 tons of rock fill and 1,766 tons of rock rip-rap armor. Two (2) aluminum warning signs are located through the rock plug embankment.
**MAINTENANCE INSPECTION REPORT CHECK SHEET**

**Project No. / Name:** BA-20 Jonathan Davis Wetland  
**Date of Inspection:** 4/21/2011  
**Time:** 9:30 am  
**Inspector(s):** Richard, Kinler, Trusclair

**Structure Description:** Rock rip-rap armored plug  
**Water Level INSIDE:** N/A  
**OUTSIDE:** 0.8'  
**Weather Conditions:** Partly Cloudy, Moderate Wind

<table>
<thead>
<tr>
<th>Item</th>
<th>Condition</th>
<th>Physical Damage</th>
<th>Corrosion</th>
<th>Photo #</th>
<th>Observations and Remarks</th>
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<tbody>
<tr>
<td>Signage and supports</td>
<td>Good</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Armored Plug</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td>Observation: Repairs completed, structure is in good condition.</td>
</tr>
<tr>
<td>Earthen Embankment</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td>Remarks:</td>
</tr>
</tbody>
</table>

**Construction Unit No.1**

Structure Description: 197 linear ft. of rock rip-rap armored rock filled plug located in a pipeline channel north of Bayou Perot, west of Bayou Barataria, and east of the GIWW. The crest of the plug was constructed to an elevation of 3.8' NAVD. The rock filled plug contains 2,253 tons of rock fill and 1,201 tons of rock rip-rap armor. Aluminum warning signs supported by galvanized pipe are located through the rock embankment.
**Project No. / Name:** BA-20 Jonathan Davis Wetland  
**Date of Inspection:** 4/21/2011  
**Time:** 9:30 am  
**Inspector(s):** Richard, Kinler, Trusclair  

**Structure Description:** Rock rip-rap armored weir  
**Water Level**  
<table>
<thead>
<tr>
<th>Inside</th>
<th>Outside</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>0.8'</td>
</tr>
</tbody>
</table>

**Type of Inspection:** Annual, Post Storm, other  
**Type of Inspection:** Annual  
**Weather Conditions:** Partly Cloudy, Moderate Wind

<table>
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<tr>
<th>Item</th>
<th>Condition</th>
<th>Physical Damage</th>
<th>Corrosion</th>
<th>Photo #</th>
<th>Observations and Remarks</th>
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</thead>
<tbody>
<tr>
<td>Signage and supports</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armored Plug</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td>There have been no changes since the last inspection. NRCS and OCPR agree that this structure does not need maintenance at this time.</td>
</tr>
<tr>
<td>Earthen Embankment</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Construction Unit No.1**  
**Structure Description:** 239 linear ft. of rock rip-rap armored rock filled fixed crest weir with a 60 ft. wide boat bay located in a pipeline channel east of the GIWW, north of Bayou Perot, and west of Bayou Barataria. The crest of the weir was constructed to an elevation of +1.9 ft. NGVD on the north side and +2.0 ft. NGVD on the south. The boat bay invert was constructed to an elevation of -2.5 ft. NGVD. The rock filled plug contains 1,014 tons of rock fill with 572 tons of rock rip-rap armor. Aluminum warning signs are located on each side of the barge bay through the rock embankment.
MAINTENANCE INSPECTION REPORT CHECK SHEET

Project No. / Name: **BA-20 Jonathan Davis Wetland**  
Date of Inspection: 4/21/2011  
Time: 9:30 am  
Inspector(s): Richard, Kinler, Trusclair

Structure No. ____  
Construction Unit No. 2 - Site No. 20  
Structure Description: Rock rip-rap armored plug  
Water Level  
Inside: N/A  
Outside: 0.8'

Type of Inspection: Annual, Post Storm, other  
Annual  
Weather Conditions: Partly Cloudy, Moderate Wind

<table>
<thead>
<tr>
<th>Item</th>
<th>Condition</th>
<th>Physical Damage</th>
<th>Corrosion</th>
<th>Photo #</th>
<th>Observations and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signage and supports</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Armored Plug          | Good      |                 |           |         | Observation:  
There have been no changes since the last inspection. No maintenance required at this time. Will monitor this structure on future site visits. |
| Earthen Embankment    | Good      |                 |           |         | This structure has become heavily vegetated and a closer inspection should be made to determine if any sedimentation has occurred. |

**Construction Unit No.1**

Structure Description: 170 linear ft. of rock rip-rap armored rock filled plug located north of Bayou Rigolettes, west of Bayou Barataria, and east of Bayou Perot. The plug crest was constructed to an elevation of +4.0 ft. NGVD. The rock filled plug contains 1,829 tons of rock fill with 795 tons of rock rip-rap armor. Two (2) aluminum warning signs are located on each end of the structure through the armored rock plug embankment.
## MAINTENANCE INSPECTION REPORT CHECK SHEET

**Project No. / Name:** BA-20 Jonathan Davis Wetland  
**Date of Inspection:** 4/21/2011  
**Time:** 9:30 am  
**Inspector(s):** Richard, Kinler, Trusclair

**Structure No.** Construction Unit No.2 - Site No. 21  
**Structure Description:** Rock rip-rap armored plug  
**Water Level**  
Inside: N/A  
Outside: 0.8'

**Type of Inspection:** Annual, Post Storm, other  
**Annual**  
**Weather Conditions:** Partly Cloudy, Moderate Wind

<table>
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<tr>
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<th>Corrosion</th>
<th>Photo #</th>
<th>Observations and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signage and supports</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armored Plug</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Earthen Embankment</td>
<td>Good</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Observation:**

There have been no changes since the last inspection. No maintenance will be required at this time.

---

**Construction Unit No.1**

Structure Description: 83 linear ft. of rock rip-rap armored rock filled plug located north of Bayou Rigolettes, west of Bayou Barataria, and east of Bayou Perot. The plug crest was constructed to an elevation of +4.0 ft. NGVD. The rock filled plug contains 285 tons of rock fill and 220 tons of rock rip-rap armor. Two (2) aluminum warning signs supported by galvanized pipe are located on each end of the structure through the rock embankment.
# MAINTENANCE INSPECTION REPORT CHECK SHEET

**Project No. / Name:** BA-20 Jonathan Davis Wetland  
**Date of Inspection:** 4/21/2011  
**Time:** 9:30 am  
**Inspector(s):** Richard, Kinler, Trusclair

**Structure No.**  
**Construction Unit No.2 - Site No. 22A**

**Structure Description:** Canal Bank Stabilization

**Water Level**  
Inside: N/A  
Outside: 0.8'

**Type of Inspection:** Annual, Post Storm, other  
**Annual**

**Weater Conditions:** Partly Cloudy, Moderate Wind

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<th>Observations and Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signage and supports</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rock Armored Bank</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Earthen Embankment</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Observation:**
There have been no changes since the last inspection. No maintenance is required at this time.

**Construction Unit No.2**

**Structure Description:** Canal bank stabilization consisting of 1,385 linear ft. of rock rip-rap protection on the west bank of the access channel at the Baltazaar Point Subdivision. The rip-rap was constructed to an elevation of +3.0 ft.
**MAINTENANCE INSPECTION REPORT CHECK SHEET**

Project No. / Name: **BA-20 Jonathan Davis Wetland**  
Date of Inspection: **4/21/2011**  
Time: **9:30 am**  
Inspector(s): Richard, Kinler, Trusclair

Structure No. **___**  
Construction Unit No. **2**  
Site No. **22**

Structure Description: Steel sheet pile structure w/ boat bay

- **Type of Inspection:** Annual, Post Storm, other  
  **Annual**  
- **Water Level:**  
  Inside: **N/A**  
  Outside: **0.8’**  
- **Weather Conditions:** Partly Cloudy, Moderate Wind

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</tr>
</thead>
<tbody>
<tr>
<td>Steel Bulkhead / Caps</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handrails Hardware, etc.</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signage and supports</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rock weir</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Earthen Wingwalls</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rock Armored Earthen Embankment</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Observation:**
There have been no changes since the last inspection. No maintenance required at this time.

**Construction Unit No.2**

Structure Description: 58 linear ft. of steel sheet pile bulkhead with a crest elevation of +1.95 ft. and a 24” - 8-1/2” wide boat bay with a crest elevation of -0.93 ft. located off of Bayou Regolettes, west of Bayou Barataria and east of GIWW. The structure consists of a steel sheet pile weir with 1,426 square feet of sheet piling set at +1.95 ft. At the bottom the boat bay, is a 1.5 ft. thick rock rip-rap scour pad seciton with an invert of -0.93 ft. This structure ties into structure 22A on the west side. Aluminum warning signs supported by 12” diameter timber piles are located at the entrance of the boat bay.
# 2011 Annual Inspection Report
Jonathan Davis Wetland Protection
State Project No. BA-20

## MAINTENANCE INSPECTION REPORT CHECK SHEET

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<tr>
<td>Signage and supports</td>
<td>Good</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Armored Plug</td>
<td>Good</td>
<td></td>
<td></td>
<td>4</td>
<td>Observation: Some more spots of settlement have been noticed.</td>
</tr>
<tr>
<td>Rock Dike</td>
<td>Good</td>
<td></td>
<td></td>
<td>4</td>
<td>Repairs will be made during a future maintenance event.</td>
</tr>
<tr>
<td>Earthen Embankment</td>
<td>Good</td>
<td></td>
<td></td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**Construction Unit No.2**

Structure Description: The rock dike consist of 3,967 linear ft. of rock dike with a 6 ft. top width and a crest elevation of +3.5 ft. The shoreline stabilization extends from Site 22A west to Structure No.20.

---

Date of Inspection: 4/21/2011  
Time: 9:30 am  
Type of Inspection: Annual, Post Storm, other

Water Level:  
Inside: N/A  
Outside: 0.8'

Inspector(s): Richard, Kinler, Trusclair

---

Project No. / Name: **BA-20 Jonathan Davis Wetland**
**MAINTENANCE INSPECTION REPORT CHECK SHEET**

Project No. / Name: **BA-20 Jonathan Davis Wetland**  
Date of Inspection: 4/21/2011  
Time: 9:30 am  
Inspector(s): Richard, Kinler, Trusclair

Structure No. Construction Unit No.3  
Structure Description: Rock dike along Bayou Perot  
Water Level: Inside: N/A  
Outside: 0.8'

Type of Inspection: Annual, Post Storm, other  
Weather Conditions: Partly Cloudy, Moderate Wind

<table>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Armored Plug</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rock Dike</td>
<td>Good</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Earthen Embankment</td>
<td>Good</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Observation:**
There have been no changes since the last inspection.

**Repairs will be made during a future maintenance event.**

**Construction Unit No.3**
Structure Description: The rock dike consist of 13,088 linear ft. of rock dike with a 6 ft. top width and a crest elevation of +3.5 ft. The shoreline stabilization extends from Site 12 west to the Gulf Intracoastal Waterway