



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

**2006/2007 Annual Inspection  
Report**

for

**COTE BLANCHE HYDROLOGIC  
RESTORATION PROJECT  
(TV-04)**

State Project Number TV-04  
Priority Project List 3

June 22, 2007  
St. Mary Parish

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## **I. Introduction**

The Cote Blanche Hydrologic Restoration Project is a 31,637 ac (12,655 ha) freshwater marsh located in St. Mary Parish. The project boundaries include the Gulf Intracoastal Waterway to the north, Highway 317 to the east, East Cote Blanche Bay to the south and West Cote Blanche Bay to the west. (See Appendix A).

The Cote Blanche Hydrologic Restoration Project 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 third Priority Project List. The Cote Blanche Hydrologic Restoration Project has a twenty year (20 year) economic life, which began in January 1999.

## **II. Inspection Purpose and Procedures**

The purpose of the annual inspection of the Cote Blanche Hydrologic Restoration Project (TV-04) 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, 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, 2003). The annual inspection report also contains a summary of maintenance projects, if any, 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.

An inspection of the Cote Blanche Hydrologic Restoration Project (TV-04) was held on June 22, 2007 under clear skies and hot temperatures. In attendance were Stan Aucoin & Garrett Broussard of LDNR; Dale Garber of NRCS; and John Foret of NMFS (for other inspections).

The field inspection included a complete visual inspection of all features. Staff gauge readings, when available, were used to determine approximate elevations of water, rock weirs, earthen embankments, steel bulkhead structures and other project features. Photographs were taken at each project feature (see Appendix B) and Field Inspection notes were completed in the field to record measurements and deficiencies (see Appendix D).

## **III. Project Description and History**

The Cote Blanche marsh has experienced increased freshwater introduction from the GIWW and westward currents from the Atchafalaya delta (DeLaune et al. 1987). Historical information documents the alterations in marsh types resulting from these hydrologic changes. Marsh type changes have been documented by 1982 USFWS Ecological Atlas Maps and Vegetative Type Maps of the Louisiana Coastal Marshes (Chabreck et al. 1968; Chabreck and

Linscombe 1978, 1988). Using aerial photography, planimeter data show the percentages of each marsh type (USDA 1993). In 1949, the area was almost entirely brackish (93%) with a narrow band of saline (7%) associations along the southwestern shoreline. By 1968, the area was divided into intermediate (39%), fresh (13%), and brackish (48%) associations. In 1978, the area was predominantly fresh (63%) and intermediate (37%) associations, where as by 1988 the entire area was identified as fresh marsh.

Construction of the GIWW and numerous oilfield canals have been the predominant causes of hydrologic change for the project area. Major canals such as the Humble and Humble-F canals were dredged between 1937 and 1958 and the British-American Canal and extensions from the Humble Canal were dredged between 1958 and 1974. Major impacts on the area have resulted from increased tidal action and rapid water exchange between the interior marsh and East and West Cote Blanche bays through these oilfield canals and the GIWW. Rapid water exchange and tidal fluctuations have caused breaches in spoil banks of interior canals that have lead to erosion and conversion of broken marsh to open water. Broken marsh began to be detected in the 1952 aerial photography. An area west of the British-American Canal showed some marsh deterioration prior to the dredging of the canal, however, the dredging created more marsh loss in the area. Utilizing historical aerial photography, from 1957 to 1990, the land loss rate for the area has been estimated to average 73 ac/year (29 ha/yr) (Britsch and Kemp 1990).

Shoreline erosion on the southern project boundary resulting from wave energy and breaches in adjacent canals was evident from aerial photography as early as 1952. Shoreline erosion rates averaged 10–15 ft/yr (3.0-4.6 m/yr) according to 1952, 1957, 1971, 1979, 1983, and 1990 aerial photography and surveys completed in 1975 by Miller Engineers & Associates. These measurements show an increase in shoreline erosion after 1978 for the Teche/Vermilion basin. Erosion rates averaged 10–12 ft/yr (3.0-3.7 m/yr) from 1941 to 1978 and increased to an average of 20–25 ft/yr (6.1-7.6 m/yr) from 1978 to 1983.

The Cote Blanche Hydrologic Restoration Project contains measures to improve hydrologic conditions in 31,637 ac (12,803 ha) of fresh marsh through low-level weirs placed at major water exchange avenues and through shoreline protection on the southern boundary of the project area.

The principal project features include:

1. Low-level weir at Mud Bayou
2. Low-level weir at the Humble-F Canal
3. Low-level weir at the intersection of Bayou Long and the Humble Canal system
4. Low-level weir at the intersection of Bayou Carlin and the Humble Canal system
5. Low-level weir at the Humble Canal
6. Low-level weir at Jackson Bayou
7. Low-level weir at the British-American Canal.

8. Shoreline protection (~ 3,500 LF of PVC wall) along the southern project boundary.

#### **IV. Summary of Past Operation and Maintenance Projects**

**General Maintenance:** Below is a summary of completed maintenance projects and operation tasks performed since January 1999, the construction completion date of the Cote Blanche Hydrologic Restoration Project.

**2001 Maintenance Project – LDNR:** This maintenance project included the placement of 12”-14” of paving stone spread out around the wingwalls of the weirs at Mud Bayou, Humble F Canal, Bayou Long, Humble Canal, Jackson Bayou and British American Canal to “harden” the area while still allowing flow in extreme tidal events to pass around the structure without washing away the existing bank. Also included was the replacement of approximately 100 pile caps along the PVC wall, the replacement of day markers at Humble F Canal with signs mounted to the weir instead of on driven pylons, and the construction of revetment/foreshore dike along the west bank of the British American Canal from the weir to the canals convergence with Cote Blanche Bay. The costs associated with the engineering, design and construction of the Cote Blanche Maintenance Project are as follows:

Construction-----	\$287,919.80
E & D, construction oversight, as-builts-----	\$ 31,690.79
Project Total-----	\$319,610.59

**2005 Maintenance Project – LDNR:** This maintenance project included rock repair at six of the structures, replacement of warning signs and channel markers. This project was a result of damages that occurred during Hurricane LILI in 2002.

Project Cost	\$84,500.00*
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- This cost was reimbursed by FEMA

#### **2006/2007 Navigational Light Maintenance:**

Automatic Power, Inc. performed the following navigational light maintenance:

Humble Canal (1/29/07)	\$525.00
Humble Canal (2/12/07)	\$2,320.00

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

## **V. Inspection Results**

### **Site 1—Mud Bayou**

The Mud Bayou structure appears to be holding up fairly well. The coating on the sheet piles is peeling. The steel is beginning to show signs of rust and will need to be monitored. Signage is ok. (Photos: Appendix B, Photos 1-2).

### **Site 2—Humble F Canal**

The Humble F Canal structure and signage are stable. The coating on the sheet piles is rusting on this structure and will be monitored as well. (Photos: Appendix B, Photos 3-4).

### **Site 3—Bayou Long**

The Bayou Long structure and signage are stable. The coating on the sheet piles is rusting on this structure and will be monitored as well. (Photos: Appendix B, Photo 5)

### **Site 4—Bayou Carlin**

The Bayou Carlin structure and signage are stable. The coating on the sheet piles is rusting on this structure and will be monitored as well. (Photos: Appendix B, Photo 6)

### **Site 5—Humble Canal**

The Humble Canal structure has some minor damages that will be addressed as part of the School Bus Bayou repairs beginning in the summer of 2007. The shoreline at the south end of the rock riprap dike has experienced some erosion and the marsh area remaining is narrow and now subject to being breached allowing water to flow around the weir. Budget limitations will not allow this area to be addressed; however, Miami Corporation has proposed to address this area with mitigation dollars in the future. In the meantime, it will continue to be monitored. The “handrail” on the west side of the barge bay notch, actually a railing of 3 inch pipe that is approximately 2 feet above normal water levels that marks that reach of the sheet pile weir as being non-navigable to boaters, is broken and approximately 8-10 feet of same is missing. The balance of the north “handrail”, approximately 40 feet in length, is slightly bent towards the bay. The NW nav-aid sign is missing and will need to be replaced. (Photos: Appendix B, Photos 7-8).

### **Site 6—Jackson Bayou**

The Jackson Bayou structure and signage are stable. The coating on the sheet piles is rusting on this structure and will be monitored as well. (Photos: Appendix B, Photo 9).

### **Site 7—British American Canal**

The British American Canal and signage are stable. The coating on the sheet piles is rusting on this structure and will be monitored as well. One of the directional arrows is missing, but may not need to be replaced at this time. (Photos: Appendix B, Photos 10 & 11).

### **Site 8—PVC Wall**

The PVC shoreline protection wall and signage are stable. Several pile caps are missing but no damage to the timber piles was noticed. Previous attempts to replace these pile caps have been unsuccessful. The piles will be monitored and should the need arise, will be painted or coated for protection. (Photos: Appendix B, Photos 12-13).

### **School Bus Bayou**

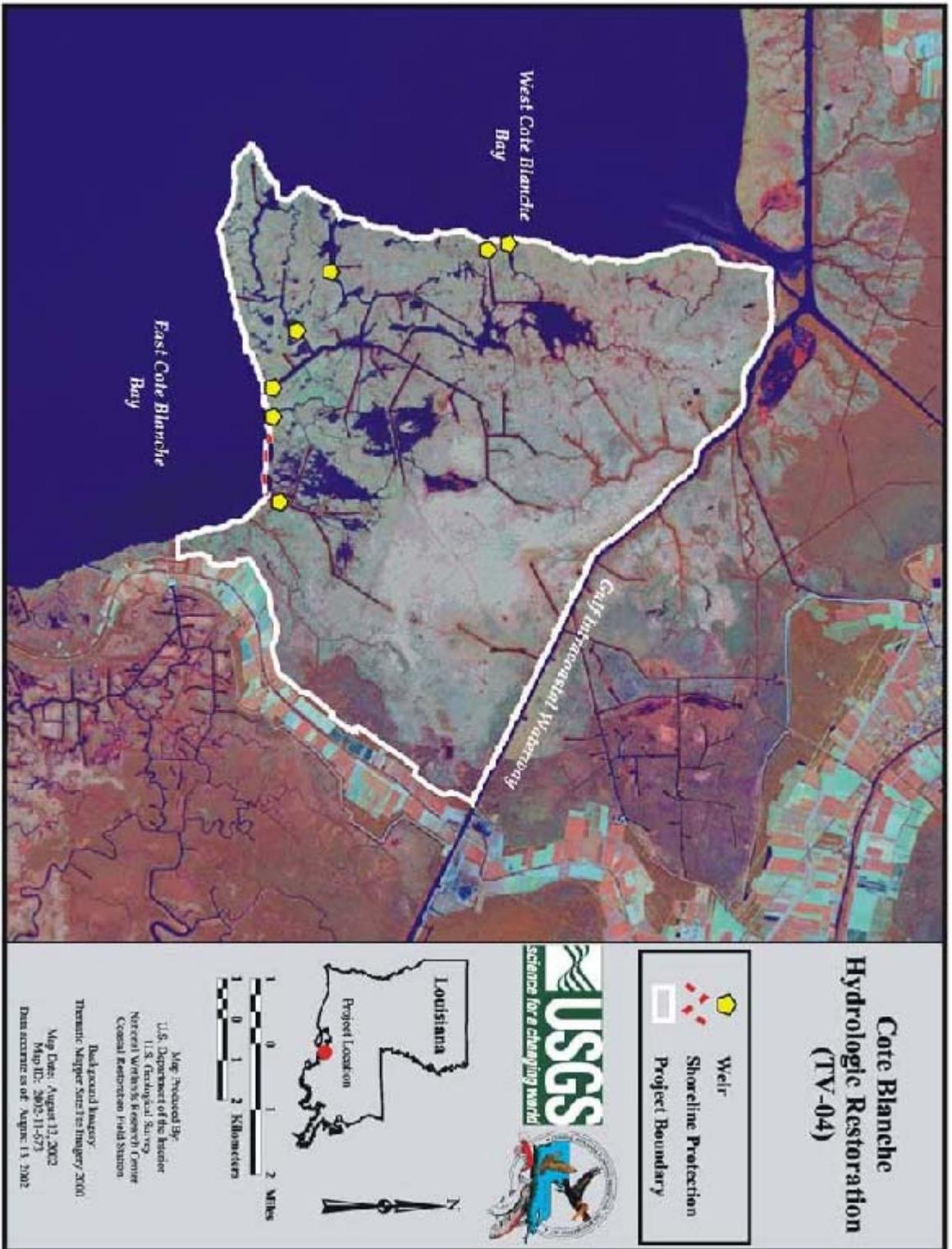
As an aside to inspecting the structural features of this project, the situation at School Bus Bayou was inspected. Luhr Bros. has been awarded the construction contract in the amount of \$1,500,000. Construction should begin during the end of summer 2007. (Photos: Appendix B, Photo 14).

## **VI. Conclusions and Recommendations**

Overall, the Cote Blanche Hydrologic Restoration Project is in good condition and functioning as designed with the exception of the School Bus Bayou situation. Any maintenance mentioned above will be addressed with the School Bus Bayou maintenance contract and is accounted for in the budget. Maintenance requirements for CY 2007:

- Repair School Bus Bayou
- Replace Coast Guard sign at Humble Canal
- Verify staff gauges in the area

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



## **Appendix B**

### **Photographs**



**Photo 1**—north side of Mud Bayou Structure



**Photo 2**—south side of Mud Bayou structure



**Photo 3**—south side of Humble F Canal



**Photo 4**—north side of Humble F Canal



**Photo 5**—missing sign at Bayou Long Structure



**Photo 6**—Bayou Carlin Structure



**Photo 7**—Missing nav-aid and damaged rail at Humble Canal Structure



**Photo 8**—rock dike near Humble Canal



**Photo 9**—east side of Jackson Bayou Structure



**Photo 10**—rock along British American canal



**Photo 11**—missing arrow sign at British American canal



**Photo 12**—signage along PVC Wall



**Photo 13**—typical section of PVC wall



**Photo14**—largest breach in School Bus Bayou

## **Appendix C**

### **Three Year Budget Projection**

Annual Inspection Report  
 COTE BLANCHE HYDROLOGIC RESTORATION PROJECT  
 State Project No. TV-04

**COTE BLANCHE/ TV-04 / PPL 3**  
**Three-Year Operations & Maintenance Budgets 07/01/2007 - 06/30/10**

<u>Project Manager</u> Pat Landry	<u>O &amp; M Manager</u> Herb Juneau	<u>Federal Sponsor</u> NRCS	<u>Prepared By</u> Herb Juneau
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	2007/2008	2008/2009	2009/2010
<b>Maintenance Inspection</b>	\$ 5,407.00	\$ 5,570.00	\$ 5,737.00
<b>Nav. Aid Inspections</b>			
<b>Administration</b>	\$ 40,000.00	\$ -	

**Maintenance/Rehabilitation**

07/08 Description: School Bus Bayou Shoreline Protection

E&D	\$ 3,900.00
Construction	\$ 1,500,000.00
Construction Oversight	\$ 34,405.00
<i>Sub Total - Maint. And Rehab.</i>	<u>\$ 1,538,305.00</u>

08/09 Description:

E&D	\$ -
Construction	\$ -
Construction Oversight	\$ -
<i>Sub Total - Maint. And Rehab.</i>	<u>\$ -</u>

09/10 Description:

E&D	
Construction	
Construction Oversight	
<i>Sub Total - Maint. And Rehab.</i>	<u>\$ -</u>

	2007/2008	2008/2009	2009/2010
<b><u>Total O&amp;M Budgets</u></b>	<u>\$ 1,583,712.00</u>	<u>\$ 5,570.00</u>	<u>\$ 5,737.00</u>

<b><u>O &amp; M Budget (3 yr Total)</u></b>	<b><u>\$ 1,595,019.00</u></b>
<b><u>Unexpended O &amp; M Budget</u></b>	<b><u>\$ 1,922,617.39</u></b>
<b><u>Remaining O &amp; M Budget (Projected)</u></b>	<b><u>\$ 327,598.39</u></b>

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 State Project No. TV-04

**OPERATION AND MAINTENANCE BUDGET WORKSHEET**  
 COTE BLANCHE / PROJECT NO. TV-04 / PPL NO. 3

DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	ESTIMATED TOTAL
O&M Inspection and Report	EACH	1	\$5,407.00	\$5,407.00
General Structure Maintenance	LUMP	1	\$0.00	\$0.00
Engineering and Design	LUMP	1	\$3,900.00	\$3,900.00
Nav. Aid Inspection	LUMP	1	\$0.00	\$0.00
Construction Oversight	LUMP	1	\$34,405.00	\$34,405.00

**ADMINISTRATION**

LDNR / CRD Admin.	LUMP	1	\$30,000.00	\$30,000.00
FEDERAL SPONSOR Admin.	LUMP	1	\$10,000.00	\$10,000.00
SURVEY Admin.	LUMP	0	\$0.00	\$0.00
OTHER				\$0.00
<b>TOTAL ADMINISTRATION COSTS:</b>				<b>\$40,000.00</b>

**MAINTENANCE / CONSTRUCTION**

**SURVEY**

SURVEY DESCRIPTION:					
	Secondary Monument	EACH	0	\$0.00	\$0.00
	Staff Gauge / Recorders	EACH	0	\$0.00	\$0.00
	Marsh Elevation / Topography	LUMP	0	\$0.00	\$0.00
	TBM Installation	EACH	0	\$0.00	\$0.00
	OTHER				\$0.00
<b>TOTAL SURVEY COSTS:</b>				<b>\$0.00</b>	

**GEOTECHNICAL**

GEOTECH DESCRIPTION:					
	Borings	EACH	0	\$0.00	\$0.00
	OTHER				\$0.00
<b>TOTAL GEOTECHNICAL COSTS:</b>				<b>\$0.00</b>	

**CONSTRUCTION**

CONSTRUCTION DESCRIPTION:	School Bus Bayou shoreline protection					
	Rip Rap	LIN FT	TON / FT	TONS	UNIT PRICE	
	Rock Dike Class 250	0	0.0	17,500	\$60.00	\$1,050,000.00
	Rock Rip Rap Class 130	0	0.0	2,450	\$57.00	\$139,650.00
		0	0.0	0	\$0.00	\$0.00
	Filter Cloth / Geogrid Fabric	SQ YD	13,100		\$8.00	\$104,800.00
	Navigation Aid	EACH	0		\$0.00	\$0.00
	Signage	EACH	6		\$5,100.00	\$30,600.00
	General Excavation / Fill	CU YD	0		\$0.00	\$0.00
	Dredging	CU YD	0		\$0.00	\$0.00
	Sheet Piles (Lin Ft or Sq Yds)		0		\$0.00	\$0.00
	Timber Piles (each or lump sum)		0		\$0.00	\$0.00
	Timber Members (each or lump sum)		0		\$0.00	\$0.00
	Hardware	LUMP	1		\$0.00	\$0.00
	Materials	LUMP	1		\$0.00	\$0.00
	Mob / Demob	LUMP	1		\$174,950.00	\$174,950.00
	Contingency	LUMP	1		\$0.00	\$0.00
	General Structure Maintenance	LUMP	1		\$0.00	\$0.00
	OTHER				\$0.00	\$0.00
	OTHER				\$0.00	\$0.00
	CONTINGENCY	LUMP	0		\$0.00	\$0.00
	<b>TOTAL CONSTRUCTION COSTS:</b>					<b>\$1,500,000.00</b>

**TOTAL OPERATIONS AND MAINTENANCE BUDGET:** **\$1,583,712.00**

## **Appendix D**

### **Field Inspection Form**

Annual Inspection Report  
 COTE BLANCHE HYDROLOGIC RESTORATION PROJECT  
 State Project No. TV-04

MAINTENANCE INSPECTION REPORT CHECK SHEET

Project No. / Name: TV-04 Cote Blanche

Date of Inspection: June 22, 2007 Time:

Structure No. 7 British American Canal

Inspector(s): Stan Aucoin & Garrett Broussard (DNR)  
 Dale Garber (NRCS); John Foret (NMFS)

Structure Description: Fixed crest weir, rock on banks and canal

Water Level Inside: Outside:  
 Weater Conditions: Sunny and Clear

Type of Inspection: Annual

Item	Condition	Physical Damage	Corrosion	Photo #	Observations and Remarks
Steel Bulkhead / Caps	good				Some initial post construction rusting. No action needed.
Steel Grating	N/A				
Stop Logs	N/A				
Hardware	good				
Timber Piles	N/A				
Timber Wales	N/A				
Galv. Pile Caps	N/A				
Cables	N/A				
Signage / Supports	good				
Rip Rap (fill)	good				
Eathern Embankment	N/A				

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

Annual Inspection Report  
 COTE BLANCHE HYDROLOGIC RESTORATION PROJECT  
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MAINTENANCE INSPECTION REPORT CHECK SHEET

Project No. / Name: TV-04 Cote Blanche

Date of Inspection: June 22, 2007 Time:

Structure No. 2 Humble F Canal

Inspector(s): Stan Aucoin & Garrett Broussard (DNR)  
 Dale Garber (NRCS); John Foret (NMFS)

Structure Description: Fixed crest weir, rock paving on bank

Water Level Inside: Outside:  
 Weather Conditions: Sunny and Clear

Type of Inspection: Annual

Item	Condition	Physical Damage	Corrosion	Photo #	Observations and Remarks
Steel Bulkhead / Caps	good				Structure in good condition. Some slight rusting of pile caps. No immediate action necessary
Steel Grating	N/A				
Stop Logs	N/A				
Hardware	good				
Timber Piles	good				
Timber Wales	N/A				
Galv. Pile Caps	N/A				
Cables	N/A				
Signage / Supports	good				
Rip Rap (fill)	good				
Eathern Embankment	N/A				

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

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MAINTENANCE INSPECTION REPORT CHECK SHEET

Project No. / Name: TV-04 Cote Blanche

Date of Inspection: June 22, 2007 Time:

Structure No. 4 Bayou Carlin

Inspector(s): Stan Aucoin & Garrett Broussard (DNR)  
 Dale Garber (NRCS); John Foret (NMFS)

Structure Description: Fixed crest weir

Water Level Inside: Outside:  
 Weather Conditions: Sunny and Clear

Type of Inspection: Annual

Item	Condition	Physical Damage	Corrosion	Photo #	Observations and Remarks
Steel Bulkhead / Caps	good				Structure in pristine post-construction condition. Some slight rusting of pile caps. No immediate action necessary.
Steel Grating	N/A				
Stop Logs	N/A				
Hardware	good				
Timber Piles	good				
Timber Wales	N/A				
Galv. Pile Caps	N/A				
Cables	N/A				
Signage / Supports	good				
Rip Rap (fill)	N/A				
Eathern Embankment	N/A				

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

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MAINTENANCE INSPECTION REPORT CHECK SHEET

Project No. / Name: TV-04 Cote Blanche

Date of Inspection: June 22, 2007 Time:

Structure No. 6 Jackson Bayou

Inspector(s): Stan Aucoin & Garrett Broussard (DNR)  
 Dale Garber (NRCS); John Foret (NMFS)

Structure Description: Fixed crest weir

Water Level Inside: Outside:  
 Weather Conditions: Sunny and Clear

Type of Inspection: Annual

Item	Condition	Physical Damage	Corrosion	Photo #	Observations and Remarks
Steel Bulkhead / Caps	good				Some slight rusting of pile caps. No immediate action necessary.
Steel Grating	N/A				
Stop Logs	N/A				
Hardware	good				
Timber Piles	poor				
Timber Wales	N/A				
Galv. Pile Caps	N/A				
Cables	N/A				
Signage / Supports	good				
Rip Rap (fill)	N/A				
Eathern Embankment	N/A				

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

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MAINTENANCE INSPECTION REPORT CHECK SHEET

Project No. / Name: TV-04 Cote Blanche

Date of Inspection: June 22, 2007 Time:

Structure No. 1 Mud Bayou

Inspector(s): Stan Aucoin & Garrett Broussard (DNR)  
 Dale Garber (NRCS); John Foret (NMFS)

Structure Description: Fixed crest weir, rock paving on bank

Water Level Inside: Outside:  
 Weather Conditions: Sunny and Clear

Type of Inspection: Annual

Item	Condition	Physical Damage	Corrosion	Photo #	Observations and Remarks
Steel Bulkhead / Caps	good				It appears the old bayou channel that existed to the marsh side of the structure appears somewhat wider.
Steel Grating	N/A				
Stop Logs	N/A				
Hardware	good				
Timber Piles	good				
Timber Wales	N/A				
Galv. Pile Caps	N/A				
Cables	N/A				
Signage / Supports	good				
Rip Rap (fill)	good				
Eathern Embankment	N/A				

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

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MAINTENANCE INSPECTION REPORT CHECK SHEET

Project No. / Name: TV-04 Cote Blanche

Date of Inspection: June 22, 2007 Time:

Structure No. 3 Bayou Long

Inspector(s): Stan Aucoin & Garrett Broussard (DNR)  
 Dale Garber (NRCS); John Foret (NMFS)

Structure Description: Fixed crest weir

Water Level Inside: Outside:  
 Weather Conditions: Sunny and Clear

Type of Inspection: Annual

Item	Condition	Physical Damage	Corrosion	Photo #	Observations and Remarks
Steel Bulkhead / Caps	good				Structure in pristine post-construction condition. Some slight rusting of pile caps. No immediate action necessary.
Steel Grating	N/A				
Stop Logs	N/A				
Hardware	good				
Timber Piles	good				
Timber Wales	N/A				
Galv. Pile Caps	N/A				
Cables	N/A				
Signage / Supports	good				
Rip Rap (fill)	N/A				
Eathern Embankment	N/A				

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

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MAINTENANCE INSPECTION REPORT CHECK SHEET

Project No. / Name: TV-04 Cote Blanche

Date of Inspection: June 22, 2007 Time:

Structure No. 5 Humble Canal

Inspector(s): Stan Aucoin & Garrett Broussard (DNR)  
 Dale Garber (NRCS); John Foret (NMFS)

Structure Description: Fixed crest weir, rock on banks and canal

Water Level Inside: Outside:  
 Weather Conditions: Sunny and Clear

Type of Inspection: Annual

Item	Condition	Physical Damage	Corrosion	Photo #	Observations and Remarks
Steel Bulkhead / Caps	good				Some initial post construction rusting. No action needed.
Steel Grating	N/A				
Stop Logs	N/A				
Hardware	fair				Handrail on western side of structure is damaged.
Timber Piles	N/A				
Timber Wales	N/A				
Galv. Pile Caps	good				
USCG Lights	poor				NW nav-aid sign is missing and needs replacement.
Signage / Supports	poor				
Rip Rap (fill)	fair				
Eathern Embankment	N/A				

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

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MAINTENANCE INSPECTION REPORT CHECK SHEET

Project No. / Name: TV-04 Cote Blanche

Date of Inspection: June 22, 2007 Time:

Structure No. 8 PVC wall

Inspector(s): Stan Aucoin & Garrett Broussard (DNR)  
 Dale Garber (NRCS); John Foret (NMFS)

Structure Description: approximately 3800 linear feet of PVC wall

Water Level Inside: \_\_\_\_\_ Outside: \_\_\_\_\_  
 Weather Conditions: Sunny and Clear

Type of Inspection: Annual

Item	Condition	Physical Damage	Corrosion	Photo #	Observations and Remarks
PVC sheet piling / Caps	fair				PVC wall appears to be in post construction condition and holding up well.
Steel Grating					
Stop Logs					
Hardware	good				
Timber Piles	good				Some pile caps missing again. No immediate action necessary.
Timber Wales	good				
Galv. Pile Caps					
Cables					
Signage / Supports	good				All signs in place and in immediate post construction condition.
Rip Rap (fill)	good				Rock placed along the inside and outside of the PVC wall is still in place and functional. No action necessary.
Earthen Embankment					

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**