

# State of Louisiana Coastal Protection and Restoration Authority Operations Division

# **2014 Annual Inspection Report**

for

# **Jonathan Davis Wetland Protection**

State Project Number BA-20 Priority Project List 2

July 7, 2014 Jefferson Parish

## Prepared by:

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# **Table of Contents**

I. Introducti	on	1
II. Project De	escription and History	1
III. Inspection	Purpose and Procedures	2
IV. Inspection	n Results	3
V. Conclusio	ons	5
VI. Recomme	endations	5
	e Repairs	
	ned Maintenance	
	Appendices	
Appendix A	Project Features Map	
Appendix B	Photographs	
Appendix C	Three Year Budget Projections	
Appendix D	Field Inspection Form	

## 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 Unit #4, completed in January 2012, consists of rip-rap and pre-cast concrete shoreline protection extending across the northern edge of Bayou Rigolettes and Bayou Perot, from just east of Structure #12 to Structure #20. 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 July 2, 2014, by Barry Richard and Luke Prendergast of CPRA, along with Quin Kinler

and Doug Baker of NRCS. Photographs taken during the 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 was in good condition; some slight settling was observed. All of the signs and supports were in good condition. No maintenance needs were identified for this location at this time.

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

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

## Structure No. 14 – Rock rip-rap armored plug

The rock plug exhibited some minor settlement; however, the overall condition was good. There is currently no need for maintenance on this structure.

## 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 was in good condition.

#### Structure No. 16 – Rock rip-rap channel plug

Structure 16 was inaccessible due to prolific growth of emergent vegetation in front of the structure. It is assumed that this structure has stabilized due to the conditions of the channel and the structure signage. No maintenance work is recommended at this time.

#### Structure No. 17 – Rock rip-rap channel plug

The structure was in good condition; no maintenance needs were identified here during the inspection.

#### 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 CPRA agreed that this structure will not require maintenance at this time.

### Structure No. 20 – Rock rip-rap armored plug

The structure appeared to be in good condition with no signs of settlement of the rock plug. 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. CPRA and NRCS agreed that the structure will not require maintenance at this time.

#### **Construction Unit No. 2**

#### Structure No. 22 A – Canal bank stabilization

The structure appeared to be in good condition, with little to no sign of settlement. Heavy vegetation growth was observed. CPRA 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 appeared to be in good condition along with the signs, supports, and sheet pile caps. No maintenance requirements were identified at this location during the inspection.

#### 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, but the structure appears to be providing bank protection. 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 are 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.

### **Construction Unit No. 4**

#### Concrete Panel Wall Shoreline Protection

The concrete panel wall sections along the north end of Bayou Perot and Bayou Rigolettes were in good condition. There was no observed damage to the concrete panels, piles, or stainless steel fastening hardware. Warning signs and support piles were also in generally good condition.

### V. Conclusions

Overall, this project has proven very effective in reducing shoreline erosion. With the exception of a few locations where individual structures or the rock dike bank stabilization has experienced more rapid settlement, the structures have proven to be very stable. No significant structure maintenance is warranted at this time. Minor sign repair may be needed at a few isolated locations; if this is deemed necessary, CPRA and NRCS will discuss the timing and manner in which these repairs may be accomplished. If more settlement is noticed on a future inspection, then an assessment of needed maintenance will occur at that time.

### VI. Recommendations

Continue to monitor the condition of all structures.

#### **Immediate Repairs**

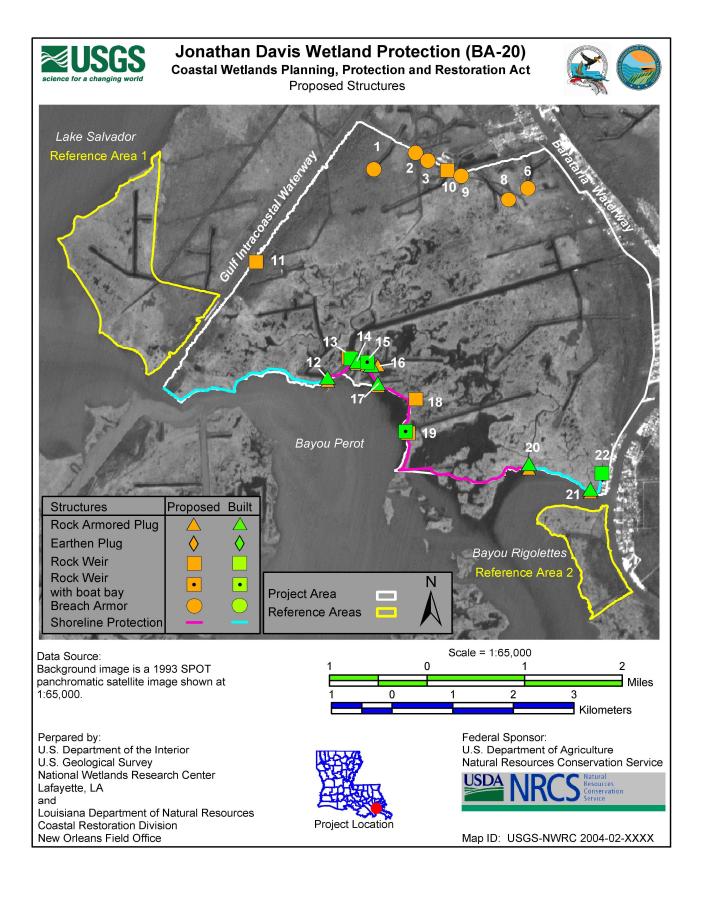
• None at this time.

#### **Programmed Maintenance**

• None at this time.

# Appendix A

**Project Features Map** 



Appendix B

**Photographs** 



Photo #1 – Structure #12



Photo #2 – Structure #14



Photo #3 – C.U. #4 Concrete Panel Wall



Photo #4 – Structure #22A

# **Appendix C**

**Three Year Budget Projection** 

2014 Annual Inspection Report Jonathan Davis Wetland Protection State Project No. BA-20

Jonathan Davis Wetland Restora	ation Proj	ect (BA-20	)																			
Federal Sponsor: NRCS																						
Construction Completed: 5/29/200	1																					
PPL 2																						
Current Approved O&M Budget	Year 0	Year - 1	Year -2	Year -3	Year -4	Year -5	Year -6	Year -7	Year -8	Year -9	Year -10	Year -11	Year -12	Year -13	Year -14	Year -15	Year -16	Year - 17	Year -18	Year -19	Project Life	Currently
June 2009	FY02	FY03	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	Budget	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
Federal S&A																					\$0	\$0
Total																					\$7,310,604	\$7,310,604
																					Remaining	Current 3 year
Projected O&M Expenditures																					Project Life	Request
Maintenance Inspection	\$4,200	\$4,309	\$4,421	\$4,536	\$4,654	\$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	\$44,389	\$18,052
General Maintenance																					\$0	\$0
Surveys					\$75,000					\$100,000					\$150,000						\$150,000	\$150,000
Sign Replacement														\$200,000							\$200,000	\$200,000
Federal S&A					\$4,779	\$19,420				\$6,317	\$102,622			\$12,352	\$9,361	\$132,967					\$154,680	\$154,680
Maintenance/Rehabilitation																					\$0	\$0
E&D						\$32,688					\$155,327					\$198,005					\$198,005	\$198,005
Construction						\$430,809					\$2,312,307					\$3,000,000					\$3,000,000	\$3,000,000
Construction Oversight						\$17,232					\$92,492					\$120,000					\$120,000	\$120,000
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	\$218,215	\$165,377	\$3,457,144	\$6,333	\$6,498	\$6,667	\$6,840	\$3,867,074	\$3,840,737
O&M Expenditures from COE Repor	t			\$1,258,500	per Lana Repo	ort		Current O8	kM Budget l	ess COE Adm	nin		\$7,310,604				Current P	roject Life B	udget less	COE Admin		\$7,310,604
State O&M Expenditures not submi	tted for in-	kind credit		\$0				Remaining	Available (	O&M Budget			\$6,052,104	\$6,052,104 Total Projected Project Life Budget			\$5,125,574					
Federal Sponsor MIPRs (if applicabl	e)			\$0				Incrementa	al Funding I	Request Amo	unt FY15-FY1	7	-\$2,211,367				Project Li	fe Budget R	equest Am	ount		-\$2,185,030
Total Estimated O&M Expenditures	(as of June	2014)		\$1,258,500																		

# **Appendix D**

**Field Inspection Form** 

			MAINTENA	NCE INSPECT	ION REPORT CHECK SHEET					
Project No. / Nar	me: <b>BA-20 Jonat</b>	than Davis Wetland	<u> </u>		Date of Inspection: 7	7/2/2014	Time: <u>9:30 am</u>			
Structure No	Construction U	Init No.1 -Site No. 12	<u> </u>		Inspector(s): Richard, Prendergast, Kinler, Baker					
Structure Descri	ption: Rock rip-ra	ap armored plug			Water Level	Inside: <u>N/A</u>	Outside: 0.9'			
Type of Inspection: Annual					Weater Conditions: Mostly sunny, light wind					
Item	Condition	Pysical Damage	Corrosion	Photo #	Observ	ations and Remark	KS			
Signage and										
supports	Good			#1						
					Observations:					
Armored Plug					There have been no changes since the					
	Good			#1	NRCS and CPRA agree that no main	tenance is required a	at this time.			
Earthen										
Embankment	Good									
Construction Un	it No 1									
		. rock rip-rap armored	rock-filled plug	located in a						
		ot, west of Bayou Bara								
		elevation of +3.9 ft. NO								
		h 2,518 tons of rip-rap								
		igh the rock embankm								

			MAINTENA	NCE INSPECT	ION REPORT CHECK SHEET					
Project No. / Na	ame: <b>BA-20 Jona</b>	than Davis Wetland	<u></u>		Date of Inspection:	7/2/2014	Time: <u>9:30 am</u>			
Structure No	Construction	Jnit No.1 -Site No. 13			Inspector(s): Richard, Prendergast, Kinler, Baker					
Structure Descr	ription: Rock rip-r	rap armored weir			Water Level	Inside: N/A	Outside: 0.9'			
Type of Inspection: Annual					Weater Conditions: Mostly sunny, light wind					
Item	Condition	Pysical Damage	Corrosion	Photo #		ations and Remark	(S			
Signage and					Observations:					
supports	Good				It is apparent this structure has settle	ed. However, it is agr	eed that there is no need			
					for maintenance at this time.					
Armored Weir										
	Fair									
Earthen										
Embankment	Good									
Construction U										
		t. rock rip-rap armored								
		ou Perot and Site 12, w								
		weir is set at an elevat								
	•	evation of -5.0 ft. NGVD								
		ft. NGVD. On the wes								
		ck filled weir contains 1	•							
·	ap armor. Aluminur	n warning signs are loo	ated adjacent	to the						
structure.	ructure.									

			MAINTENA	NCE INSPECT	ION REPORT CHECK SHEET					
Project No. / Na	me: <b>BA-20 Jona</b>	than Davis Wetland	<u> </u>		Date of Inspection: 7/	/2/2014	Time: <u>9:30 am</u>			
Structure No	Construction L	Jnit No.1 -Site No. 14	<u> </u>		Inspector(s): Richard, Prendergast, Kinler, Baker					
Structure Descr	iption: Rock rip-ra	ap armored plug			Water Level	Inside: <u>N/A</u>	Outside: 0.8'			
Type of Inspection:  Annual  Weater Conditions: Mostly sunny,						ny, light wind				
Item	Condition	Pysical Damage	Corrosion	Photo #		ntions and Remark	S			
Signage and supports	Good			#2	Observations:					
Armored Plug	Good			#2	Slight settlement noted, but no repairs needed at this time.					
Earthen	Good			πΔ	oligni settlement noted, but no repairs	needed at this time				
Embankment	Fair									
Construction U	nit No 1									
Structure Descrip	otion: 138 linear ft.	of rock rip-rap armore								
of GIWW and Sit	e 13. The crest of t	of Bayou Perot, west o the plug was construc	ted to an eleva	tion of +3.2 ft						
		2,580 tons of rock fill gns are located through								
1 -4			,							

			MAINTENA	NCE INSPECT	ION REPORT CHECK SHEET				
Project No. / Na	me: <b>BA-20 Jona</b>	than Davis Wetland	<u>1</u>		Date of Inspection: 7	//2/2014	Time: <u>9:30 am</u>		
Structure No	Construction L	Jnit No.1 -Site No. 15	<u> </u>		Inspector(s): Richard, Prendergast, Kinler, Baker				
Structure Descri	iption: Rock rip-ra	ap armored weir w/ b	oat bay		Water Level	Inside: <u>N/A</u>	Outside: <u>0.9'</u>		
Type of Inspect	ion:	Annual			Weater Conditions: Mostly sunny, light wind				
Item	Condition	Pysical Damage	Corrosion	Photo #	Observa	ations and Remark	s		
Signage and supports	Good				Observations:				
Armored Plug	Good				The maintenance work is completed a	and this is now a cha	armei piug structure.		
Earthen									
Embankment	Good				Remarks:				
Construction Ur	ii No 4								
		of rock rip-rap armore	ed weir with a 5	0 ft. wide					
boat bay located	in a pipeline chann	el north of Bayou Perd	ot, west of Bayo	ou Barataria					
		The crest of the rock want of the boat bay is at							
		ons of rock fill with an							
		signs are located throu							
	each side of the bo		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						

			MAINTENA	NCE INSPECT	ION REPORT CHECK SHEET				
Project No. / Na	ume: <b>BA-20 Jona</b>	than Davis Wetland	<u> </u>		Date of Inspection:	7/2/2014	Time: <u>9:30 am</u>		
Structure No	Construction	Unit No.1 -Site No. 16	<u> </u>		Inspector(s): Richard, Prendergast, Kinler, Baker				
Structure Descr	ription: Rock rip-ı	rap armored plug			Water Level	Inside: N/A	Outside: 0.9'		
Type of Inspecti	on:	Annual			Weater Conditions: Mostly sunny, light wind				
Item	Condition	Pysical Damage	Corrosion	Photo #	Observ	ations and Remark	(S		
Signage and supports	Good								
Armored Plug					Observation:				
	Fair				There have been no changes since t Maintenance not needed at this time.	he last inspection.			
Earthen Embankment	Good								
					Remarks:				
Construction U	nit No.1								
		d rock filled plug locate u Barataria, east of the							
crest of the plug	was constructed t	o an elevation of +4.0 f	t. NGVD. The r	ock filled					
		and 1,766 tons of rocked through the rock plug							

		MAINTENA	NCE INSPECT	ION REPORT CHECK SHEET				
me: <b>BA-20 Jonat</b>	than Davis Wetland	<u>1</u>		Date of Inspection:	7/2/2014	Time: <u>9:30 am</u>		
Construction U	Init No.1 -Site No. 17	<u></u>		Inspector(s): Richard, Prendergast, Kinler, Baker				
ption: Rock rip-ra	ap armored plug			Water Level	Inside: N/A	Outside: 0.9'		
Type of Inspection: Annual				Weater Conditions: Mostly sunny, light wind				
Condition	Pysical Damage	Corrosion	Photo #	Observ	ations and Remark	(S		
Good								
				Observation:				
Good				Structure is in good condition.				
Good								
				Remarks:				
		1 1 60 1 1						
ck embankment.								
	Construction U  ption: Rock rip-ra  on:  Condition  Good  Go	Construction Unit No.1 -Site No. 17  ption: Rock rip-rap armored plug  on: Annual  Condition Pysical Damage  Good  Good	me: BA-20 Jonathan Davis Wetland  Construction Unit No.1 -Site No. 17  ption: Rock rip-rap armored plug  on: Annual  Condition Pysical Damage Corrosion  Good  Goo	me: BA-20 Jonathan Davis Wetland  Construction Unit No.1 -Site No. 17  ption: Rock rip-rap armored plug  on: Annual  Condition Pysical Damage Corrosion Photo #  Good  G	Construction Unit No.1 -Site No. 17  Inspector(s): E  ption: Rock rip-rap armored plug  Water Level  On: Annual  Condition Pysical Damage Corrosion Photo #  Good  Good  Good  Good  Remarks:  It No.1  stit No.1  stit No.1  ption: 197 linear ft. of rock rip-rap armored rock filled plug located and not not not grow as constructed to an elevation of 3.8' NAVD. The Intains2,253 tons of rock fill and 1,201 tons of rock rip-rap armore.  g signs supported by galvanized pipe are located through the	Date of Inspection: 7/2/2014  Construction Unit No.1 - Site No. 17 Inspector(s): Richard, Prenderga:  ption: Rock rip-rap armored plug  Water Level Inside: N/A  Weater Conditions: Mostly sur  Condition Pysical Damage Corrosion Photo # Observations and Remark  Good  Good  Remarks:  it No.1  tion: 197 linear ft. of rock rip-rap armored rock filled plug located nel north of Bayou Perot, west of Bayou Barataria, and east of rest of the plug was constructed to an elevation of 3.8' NAVD. The ntains2,253 tons of rock fill and 1,201 tons of rock rip-rap armor.  g signs supported by galvanized pipe are located through the		

		1	MAINTENA	NCE INSPECT	ION REPORT CHECK SHEET				
Project No. / N	lame: <b>BA-20 Jonat</b>	han Davis Wetland	<u>1</u>		Date of Inspection:	7/2/2014	Time: <u>9:30 am</u>		
Structure No.	Construction Unit N	No.1 -Site No. 19			Inspector(s): <u>R</u>	lichard, Prendergas	st, Kinler, Baker		
Structure Des	cription: Rock rip-ra	p armored weir			Water Level	Inside: N/A	Outside: 0.9'		
Type of Inspec	ction:	Annual			Weater Conditions: Mostly sunny, light wind				
Item	Condition	Pysical Damage	Corrosion	Photo #	Observ	ations and Remark	(S		
Signage and									
supports	Good				Observation:				
Armored Weir					There have been no changes since the	he last inspection. N	RCS and CPRA		
	Good				agree that this structure does not nee	ed maintenance at th	nis time.		
Earthen									
Embankment	Good								
Construction	Unit No.1								
	ription: 239 linear ft.	of rock rip-rap armor	ed rock filled fix	xed crest					
	t. wide boat bay locat								
	, and west of Bayou E								
	of +1.9 ft. NGVD on th								
boat bay invert	was constructed to a	n elevation of -2.5 ft.	NGVD. The roo	k filled plug					
	tons of rock fill with 5								
signs are locate	ed on each side of the	e barge bay through the	ne rock emban	kment.		-			

			MAINTENA	NCE INSPECT	ION REPORT CHECK SHEET				
Project No. / N	ame: <b>BA-20 Jonat</b>	than Davis Wetland	<u> </u>		Date of Inspection: 7	/2/2014	Time: <u>9:30 am</u>		
Structure No.	Construction Unit I	No.1 -Site No. 20			Inspector(s): Richard, Prendergast, Kinler, Baker				
Structure Des	cription: Rock rip-ra	ap armored plug			Water Level	Inside: <u>N/A</u>	Outside: 0.9'		
Type of Inspec	tion:	Annual			Weater Conditions: Mostly sunny, light wind				
Item	Condition	Pysical Damage	Corrosion	Photo #	Observa	ations and Remark	KS		
Signage and supports	Good								
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 vermade to determine if any settlement h	getated and a close			
north of Bayou plug crest was contains 1,829 aluminum warn	ription: 170 linear ft. Rigolettes, west of B constructed to an ele tons of rock fill with 7 ing signs are located	of rock rip-rap armore ayou Barataria, and e evation of +4.0 ft. NGV 795 tons of rock rip-ra d on each end of the s	ast of Bayou P /D. The rock fill p armor. Two (	erot. The ed plug 2)					
armored rock p	lug embankment.								

		MAINTENA	NCE INSPECT	ION REPORT CHECK SHEET				
ame: <b>BA-20 Jona</b>	than Davis Wetland	<u> </u> 		Date of Inspection: 7	7/2/2014	Time: <u>9:30 am</u>		
Construction Unit	No.1 -Site No. 21			Inspector(s): Richard, Prendergast, Kinler, Baker				
ription: Rock rip-r	ap armored plug			Water Level	Inside: N/A	Outside: <u>0.9'</u>		
etion:	Annual			Weater Conditi	ions: Partly Cloudy	, Moderate Wind		
Condition	Pysical Damage	Corrosion	Photo #	Observ	ations and Remark	(S		
Good								
Good				Observation: There have been no changes since the	ne last inspection. N	o maintenance will		
				be required at this time.				
Good								
Rigolettes, west of E	Bayou Barataria, and e	ast of Bayou P	erot. The					
ng signs supported	by galvanized pipe are							
J								
	Construction Unit  Construction Unit  Condition  Good  Good  Good  Good  Juit No.1  Iption: 83 linear ft. Rigolettes, west of Econstructed to an eles of rock fill and 22 ng signs supported	Construction Unit No.1 -Site No. 21  Pription: Rock rip-rap armored plug  Condition Pysical Damage  Good  Good  Good  Good  Good  Good  Juit No.1  iption: 83 linear ft. of rock rip-rap armored Rigolettes, west of Bayou Barataria, and econstructed to an elevation of +4.0 ft. NGW as of rock rip-rap armored Rigolettes Rigolettes Rigolettes of rock rip-rap armored Rigolettes Ri	Construction Unit No.1 -Site No. 21  ription: Rock rip-rap armored plug  Condition Pysical Damage Corrosion  Good  Good	Construction Unit No.1 -Site No. 21  Pription: Rock rip-rap armored plug  Condition Pysical Damage Corrosion Photo #  Good  Fiption: 83 linear ft. of rock rip-rap armored rock filled plug located Rigolettes, west of Bayou Barataria, and east of Bayou Perot. The constructed to an elevation of +4.0 ft. NGVD. The rock filled plug as of rock fill and 220 tons of rock rip-rap armor. Two (2) ang signs supported by galvanized pipe are located on each	Construction Unit No.1 -Site No. 21  Inspector(s): R  Water Level  Water Condition:  Condition  Pysical Damage  Corrosion  Photo #  Observation:  There have been no changes since the bear required at this time.  Good  Juit No.1  Ipition: 83 linear ft. of rock rip-rap armored rock filled plug located signle lettes, west of Bayou Barataria, and east of Bayou Perot. The constructed to an elevation of +4.0 ft. NGVD. The rock filled plug los of rock fill and 220 tons of rock rip-rap armor. Two (2)  Ing signs supported by galvanized pipe are located on each	Date of Inspection: 7/2/2014  Construction Unit No.1 - Site No. 21 Inspector(s): Richard, Prenderga:  Water Level Inside: N/A  Weater Conditions: Partly Cloudy  Condition Pysical Damage Corrosion Photo # Observations and Remark  Good  Good  Observation: There have been no changes since the last inspection. N be required at this time.  Good  Good  Good  Good  Good  Jinit No.1  iption: 83 linear ft. of rock rip-rap armored rock filled plug located Rigolettes, west of Bayou Barataria, and east of Bayou Perot. The constructed to an elevation of +4.0 ft. NGVD. The rock filled plug so so frock fill and 220 tons of rock rip-rap armore. Two (2)  ng signs supported by galvanized pipe are located on each		

			MAINTENA	NCE INSPEC	TION REPORT CHECK SHEET				
Project No. / Na	ime: <b>BA-20 Jona</b> t	than Davis Wetland	<u> </u> <u> </u>		Date of Inspection:	7/2/2014	Time: <u>9:30 am</u>		
Structure No.	Construction Unit	No. 4			Inspector(s): Richard, Prendergast, Kinler, Baker				
Structure Descr	iption: Concrete p	panel wall			Water Level	Inside: <u>N/A</u>	Outside: <u>0.9'</u>		
Type of Inspecti	on:	Annual			Weater Conditions: Mostly sunny, light wind				
Item Signage and	Condition	Pysical Damage	Corrosion	Photo #	Observ	rations and Remark	S		
supports	Good			#3					
Concrete wall									
panels, piles,	Good			#3	Observation:				
hardware					There have been no changes since the	ne last inspection.			
Rock Dike					No repairs are necessary at this time				
	Good								
Construction U	nit No.4								
		nsists of approx. 12,85	0 linear ft. of pr	e-cast					
		y 848 pre-cast concret							
		rap bank stabilization/s							
		n edge of Bayou Rigol							
		12 to Structure #20.	<b>, .</b>						

MAINTENANCE INSPECTION REPORT CHECK SHEET									
Project No. / N	lame: <b>BA-20 Jona</b>	than Davis Wetland	<u> </u>   <u> </u>	Date of Inspection: 7/2/2014		Time: <u>9:30 am</u>			
Structure No. Construction Unit No.2 -Site No. 22A					Inspector(s): Richard, Prendergast, Kinler, Baker				
Structure Description: Canal Bank Stabilization					Water Level	Inside: N/A	Outside: 0.9'		
Type of Inspection: Annual				Weater Conditions: Mostly sunny, light wind					
Item	Condition	Pysical Damage	Corrosion	Photo #	Observations and Remarks				
Signage and supports	Good			#4					
Сарроно	0.000			,, .	Observation:				
Rock Armored					There have been no changes since the last inspection. No maintenance is				
Bank	Good			#4	required at this time.				
Earthen									
Embankment	Good								
Construction	Unit No.2								
		stabilization consisting							
		of the access channel		ar Point					
Subdivision. Th	e rip-rap was constr	ructed to an elevation o	of +3.0 ft.						

			MAINTENA	NCE INSPECT	ION REPORT CHECK SHEET		
Project No. / Na	me: <b>BA-20 Jona</b>	than Davis Wetland	<u>d</u>	Date of Inspection:	Date of Inspection: 7/2/2014		
Structure No. Construction Unit No.2 -Site No. 22				Inspector(s): Richard, Prendergast, Kinler, Baker			
Structure Descri	ption: Steel shee	et pile structure w/ bo	eat bay	Water Level	Inside: N/A	Outside: 0.9'	
Type of Inspection:		Annual		Weater Conditions: Mostly sunny, light wind			
ltem	Condition	Pysical Damage	Corrosion	Photo #	Observations and Remarks		
Steel Bulkhead / Caps	Good						
Handrails					Observation:		
Hardware, etc.	Good				There have been no changes since the last inspection. No maintenance required at this time.		
Signage and supports	Good						
	Good						
Earthen Wingwalls	Good						
Willigwalis	Good						
Rock Armored							
Earthen	Good						
Embankment							
Construction Ur	pit No 2						
		of steel sheet nile hull	head with a cre	est elevation			
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 Rego	olettes, west of Bay	you Barataria and eas	t of GIWW. The	e structure			
consists of a stee	el sheet pile weir w	ith 1,426 square feet	of sheet piling s				
At the bottom the	boat bay, is a 1.5	ft. thick rock rip-rap so	cour pad secitor		-		
invert of -0.93 ft.							
	pported by 12" diar	neter timber piles are	located at the				
of the boat bay.							

			MAINTENA	NCE INSPEC	TION REPORT CHECK SHEET			
Project No. / Na	me: <b>BA-20 Jona</b>	than Davis Wetland	<u> </u>	Date of Inspection: 7/2/2014		Time: <u>9:30 am</u>		
Structure No. Construction Unit No.2					Inspector(s): Richard, Prendergast, Kinler, Baker			
Structure Description: Rock dike along Bayou Rigolettes					Water Level	Inside: N/A	Outside: <u>0.9'</u>	
Type of Inspection: Annual					Weater Conditions: Mostly sunny, light wind			
Item Condition Pysical Damage			Corrosion	Photo #	Observations and Remarks			
Signage and								
supports	Good							
Armored Plug								
	Good				Observation:			
					Some settlement was noted, but structure was performing as designed.			
Rock Dike					No maintenance will be required at this time.			
	Good							
Earthen								
Embankment	Good							
Construction Ur	nit No.2							
Structure Descrip	otion: The rock dik	e consist of 3,967 line	ar ft. of rock dik	e 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.								

			MAINTENA	NCE INSPEC	TION REPORT CHECK SHEET		
Project No. / Na	me: <b>BA-20 Jona</b>	than Davis Wetland	<u> </u>		Date of Inspection: 7/2	2/2014	Time: <u>9:30 am</u>
Structure No. 0	No.3			Inspector(s): Richard, Prendergast, Kinler, Baker			
Structure Description: Rock dike along Bayou Perot					Water Level	Inside: N/A	Outside: 0.9'
Type of Inspection: Annual					Weater Conditions: Mostly sunny, light wind		
Item			Corrosion	Photo #	Observations and Remarks		3
Signage and supports	Good						
Armored Plug							
	Good				Observation: There have been no changes since the last inspection.		
Rock Dike					No repairs are necessary at this time.		
	Good						
Earthen							
Embankment	Good						
Construction Ur							
		e consist of 13,088 lin					
		of +3.5 ft. The shoreling	e stabilization	extends			
from Site 12 west to the Gulf Intracoastal Waterway							
					<u> </u>		