United States Department of Agriculture
Natural Resources Conservation Service

OMB No. 0578-0030
NRCS-PDM-20

DAMAGE SURVEY REPORT (DSR)
Emergency Watershed Protection Program – Recovery

NRCS Entry Only
Eligible: YES X NO ☐
Approved: YES X NO ☐
Funding Priority Number (from Section 4) 1ef
Limited Resource Area: YES ☐ NO X

Section 1A

Date of Report: 02/15/2006

DSR Number: 103-05-128K Project Number: Chinchuba Rch1

Section 1B Sponsor Information

Sponsor Name: St. Tammany Parish

Address: 21490 Koop Drive

City/State/Zip: Mandeville, LA 70471

Telephone Number: (985) 898-2552 Fax:

Section 1C Site Location Information

County: St. Tammany State: LA Congressional District: 01

Latitude: see comments Longitude: see comments Section: 41 Township: 8S Range: 11E

UTM Coordinates: 15

Drainage Name: Bayou Chinchuba Reach 1 Reach: 9,900 feet

Damage Description: Debris is reducing the capacity of Channel. Drainage is severely impeded. Debris consists mostly trees.

Section 1D Site Evaluation

All answers in this Section must be YES in order to be eligible for EWP assistance.

Site Eligibility	YES	NO	Remarks
Damage was a result of a natural disaster?*	✓		Hurricane Katrina - August 29, 2005
Recovery measures would be for runoff retardation or soil erosion prevention?*	✓		
Threat to life and/or property?*	✓		
Event caused a sudden impairment in the watershed?*	✓		
Imminent threat was created by this event?**	✓		
For structural repairs, not repaired twice within ten years?**	✓		
Site Defensibility			
Economic, environmental, and social documentation adequate to warrant action (Go to pages 3, 4, 5 and 6 ***)	✓		
Proposed action technically viable? (Go to Page 9 ***)	✓		

Have all the appropriate steps been taken to ensure that all segments of the affected population have been informed of the EWP program and its possible effects? YES ✓ NO ☐

Comments: start: 30.37985, -90.0909
end: 30.28123, -90.04081

* Statutory
** Regulation
*** DSR Pages 3 through 5 are required to support the decisions recorded on this summary page. If additional space is needed on this or any other page in this form, add appropriate pages.

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Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A:

Removal of storm debris from channel using conventional methods involving sawyers, cable equipment and Trackhoes. Chip debris and spread outside of the streambed, either side.

Total installation cost identified in this DSR: Section 3: $ 274,500.00

Section 1F NRCS State Office Review and Approval

Reviewed By: _____ Date Reviewed: 3/1/06
State EWP Program Manager

Approved By: Donald W. Gohmert Date Approved: 3/2/06
State Conservationist

PRIVACY ACT AND PUBLIC BURDEN STATEMENT

NOTE: The following statement is made in accordance with the Privacy Act of 1974, (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995, as amended. The authority for requesting the following information is 7 CFR 624 (EWP) and Section 216 of the Flood Control Act of 1950, Public Law 81-516, 33 U.S.C. 701b-1; and Section 403 of the Agricultural Credit Act of 1978, Public Law 95334, as amended by Section 382, of the Federal Agriculture Improvement and Reform Act of 1996, Public Law 104-127, 16 U.S.C. 2203. EWP, through local sponsors, provides emergency measures for runoff retardation and erosion control to areas where a sudden impairment of a watershed threatens life or property. The Secretary of Agriculture has delegated the administration of EWP to the Chief or NRCS on state, tribal and private lands.

Signing this form indicates the sponsor concurs and agrees to provide the regional cost-share to implement the EWP recovery measure(s) determined eligible by NRCS under the terms and conditions of the program authority. Failure to provide a signature will result in the applicant being unable to apply for or receive a grant the applicable program authorities. Once signed by the sponsor, this information may not be provided to other agencies. IRS, Department of Justice, or other State or Federal Law Enforcement agencies, and in response to a court or administrative tribunal.

The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 651, 1001; 15 U.S.C. 714m; and 31 U.S.C. 3729 may also be applicable to the information provided. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0578-0030. The time required to complete this information collection is estimated to average 117/1.95 minutes/hours per response, including the time for reviewing instructions, searching existing data sources, field reviews, gathering, designing, and maintaining the data needed, and completing and reviewing the collection information.

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The program or activities conducted under this agreement will be in compliance with the nondiscrimination provisions contained in the Titles VI and VII of the Civil Rights Act of 1964, as amended; the Civil Rights Restoration Act of 1987 (Public Law 100-259); and other nondiscrimination statutes: namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. They will also be in accordance with regulations of the Secretary of Agriculture (7 CFR 15, 15a, and 15b), which provide that no person in the United States shall on the grounds of race, color, national origin, gender, religion, age or disability, be excluded from participation in, be denied the benefits of, or otherwise subjected to discrimination under any program or activity receiving Federal financial assistance from the U.S. Department of Agriculture or any agency thereof.

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Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternative Designation		
		Proposed Action	No Action	Alternative
		Chip debris and spread outside of stream bed – either side	Leave debris in stream	Complete removal of debris; access from driest side
		2D Effects of Alternatives		
Soil				
Bank erosion	20 tons/acre	5 tons/acre	20 tons/acre	5 tons/acre
Soil quality	Soil quality reduced	Soil quality improved	Soil quality reduced	Soil quality improved
Water				
Downstream water rights	Will not have to drain Bayou to conduct debris removal.	No Effect	No Effect	No Effect
DO	Low/potential problem	Improved DO	Low /potential problem	Improved DO
BOD	Raised BOD	Lower BOD	Raised BOD	Lower BOD
Petroleum products	attainment	Short-term increase during removal	attainment	Short-term increase during removal
SVAP	SVAP=6.1 fair	SVAP=6.6 fair	SVAP=6.1 fair	SVAP=6.6 fair
Air				
PM-10	attainment	attainment	attainment	attainment
Plant				
Aquatic health/vigor	Poor	Improved	Poor	Improved
Riparian plants	Excessive debris causing shading and long term damage	Increase sunlight will increase growth	Growth limited	Increase growth
Animal				
Fisheries access	Impaired due to blockage	Restore hydrologic flow regime	Access restricted.	Restore hydrologic flow regime
Forest habitat	Forest dynamic shift	No significant change	No significant change	No significant change
Other				
Aesthetics	Poor due to clutter	Improved	Poor due to clutter	Improved
Vector Habitat	Mosquito habitat in floodplain	Improve flow will drain areas	Vector habitat will remain	Improve flow

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Section 2E Special Environmental Concerns

Resource Consideration	Existing Condition	Alternatives and Effects		
		Proposed Action	No Action	Alternative
Clean Water Act Waters of the U.S.	CWA permit will be required if work is done in channel	CWA permit required	No permit required.	CWA permit required
Coastal Zone Management Areas	Within CZMA	Consistency Authorization Needed	Water flow patterns altered	Consistency Authorization Needed
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	(FOTGII) none observed on-site State Level review needed	(FOTGII) none observed on-site State Level Review needed	(FOTGII) none observed on-site	(FOTGII) none observed on-site State Level Review needed
Endangered and Threatened Species	(FOTGII) State level review by project type with USFWS&LDWF; Louisiana quillwort may exist	(FOTGII) State level review by project type with USFWS&LDWF	(FOTGII) State level review by project type with USFWS&LDWF	(FOTGII) State level review by project type with USFWS&LDWF
Environmental Justice	N/A	N/A	N/A	N/A
Essential Fish Habitat	(FOTGII) No EFH	(FOTGII) No EFH	(FOTGII) No EFH	(FOTGII) No EFH
Fish and Wildlife Coordination	State level review by project type with USFWS&LDWF; Consultation required	State level review by project type with USFWS&LDWF; Consultation required	State level review by project type with USFWS&LDWF; Consultation required	State level review by project type with USFWS&LDWF; Consultation required
Floodplain Management	Bayou Chinchuba is located within 100-year flood plain. Debris in bayou are increasing flood potential.	100-year floodplain historic range and function restored.	100-year floodplain is increased in size due to debris.	100-year floodplain historic range and function restored.
Invasive Species	Honeysuckle (Lonicera sp.) Privet (Ligrustrum sp.)	No significant impact	No significant impact	No significant impact
Migratory Birds	Food&cover quality for dense canopy cover birds reduced	Food&cover quality improved long term with debris removal	Food&cover quality impaired due to debris	Food&cover quality improved
Natural Areas	(FOTGII) None present	N/A	N/A	N/A
Prime and Unique Farmlands	(FOTGII) None present	N/A	N/A	N/A
Riparian Areas	Riparian habitat impacted by flooding due to debris accumulation	Riparian habitat improved by debris removal	Riparian habitat impacted by flooding due to debris accumulation	Riparian habitat improved by debris removal
Scenic Beauty	(FOTGII) None present	N/A	N/A	N/A
Wetlands	Open water containing debris. Emergent/wooded wetlands also littered with debris.	Debris removed from open water and adjacent to stream. Wetlands not adversely impacted.	Open water containing debris. Emergent/wooded wetlands also littered with debris.	Debris removed from open water and adjacent to stream. Wetlands not adversely impact
Wild and Scenic Rivers	(FOTGII) (LDWF scenic streams list) Chinchuba Bayou listed downstream	(FOTGII) (LDWF scenic streams list) Listed downstream	(FOTGII) (LDWF scenic streams list) Could potentially degrade downstream area w/ debris	(FOTGII) (LDWF scenic streams list) Pontoon preferred method of removal;least biological damag

Completed By: Gregory Kidd GK 2/16/06 Date: 02/16/2006

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Section 2F Economic

This section must be completed by each alternative considered (attach additional sheets as necessary).

	Future Damages ($)	Damage Factor (%)	Near Term Damage Reduction
Properties Protected (Private):			
17 houses @ $400,000 ea	6,800,000.00	25	1,700,000.00
37 houses @ $350,000 ea	12,950,000.00	25	3,237,500.00
11 houses @ $200,000 ea	2,200,000.00	25	550,000.00
Properties Protected (Public)			
Causeway Bridge @ $ 250,000	250,000.00	25	62,500.00
Business Losses:			
1 strip mall@ $700,000	700,000	25	175,000.00
Other:			
4 powerlines @ $2,000 ea	8,000.00	25	2,000.00
Total Near Term Damage Reduction $			5,727,000.00
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			5,452,500.00

Completed By: HKH/LC Date: 02/15/2006

Section 2G Social Consideration This section must be completed by each alternative considered

(attach additional sheets as necessary).

	YES	NO	Remarks
Has there been a loss of life as a result of the watershed impairment?		✓	Not in the immediate area but several deaths attributable to the storm occurred in the Parish
Is there the potential for loss of life due to damages from the watershed impairment?	✓		
Has access to a hospital or medical facility been impaired by watershed impairment?	✓		Yes - many downed trees blocking access
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	✓		Impairment increased flooding impacts throughout the community
Is there a lack or has there been a reduction of public safety due to watershed impairment?	✓		

Completed By: HKH/LC Date: 02/15/2006

DSR NO: _____
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Section 2H Group Representation and Disability Information

This section is completed only for the preferred alternative selected.

Group Representation	Number
American Indian/Alaska Native Female Hispanic	
American Indian/Alaska Native Female Non-Hispanic	
American Indian/Alaska Native Male Hispanic	
American Indian/Alaska Native Male Non-Hispanic	
Asian Female Hispanic	
Asian Female Non-Hispanic	
Asian Male Hispanic	
Asian Male Non-Hispanic	
Black or African American Female Hispanic	
Black or African American Female Non-Hispanic	9
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	8
Hawaiian Native/Pacific Islander Female Hispanic	
Hawaiian Native/Pacific Islander Female Non-Hispanic	
Hawaiian Native/Pacific Islander Male Hispanic	
Hawaiian Native/Pacific Islander Male Non-Hispanic	
White Female Hispanic	
White Female Non-Hispanic	95
White Male Hispanic	
White Male Non-Hispanic	96
Total Group	208

Census tract(s) T041205,BG-1

Completed By: LC/HKH Date: 02/15/2006

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Section 2I. Required consultation or coordination between the lead agency and/or the RFO and another governmental unit including tribes:

Easements, permissions, or permits:

Required: Access permission (St. Tammany has 60' corridor access); CWA permit (COE); Water Quality Certification (LDEQ); Consistency Authorization (LDNRCMD);

Eight State and/or Federal Species are listed in St. Tammany Parish however, the Louisiana Quillwort is the only species that may occur in this stretch of the Bayou Chinchuba (as indicated on the 'Species of the Conservation Concern' map). USFWS/LDWF consultation is required.

Mitigation Description:

Debris will be disposed of on-site outside of streambed area (spread/blown and not piled) on either side. Access areas should be limited to the drier of the two banks to minimize impacts to adjacent riparian areas (wetlands) and to minimize detriment to fish habitat within stream. Action will be completed without interruption.

Some existing,water-logged debris left in the channel is preferred/acceptable. Only dead/new debris is to be removed. No live trees within the stream bed should be cut.

Disturbed areas will be seeded to an approved seed mix (FOTG Sec IV - Critical Area Planting NRCS LA - Standard 342).

Agencies, persons, and references consulted, or to be consulted:

U.S. Army Corps of Engineers;
LDNRCMD
LDEQ
St. Tammany Parish Government
LDWF
USFWS

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Section 3 Engineering Cost Estimate

Completed By: Caroline Clarin, P.E. Date: 02/16/2006

This section must be completed by each alternative considered (attach additional sheets as necessary).

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost ($)	Amount ($)
Proposed Action-Use conventional equipment to chip debris and dispose of onsite - either side				0.00
Channel obstruction removal (0+00 to 5+00) L	500	LF	15.00	7,500.00
Channel Obstruction Removal (5+00 to 22+00) M	1,700	LF	21.00	35,700.00
Channel Obstruction Removal (22+00 to 46+00) H	2,400	LF	29.00	69,600.00
Channel Obstruction Removal (46+00 to 52+00) M	600	LF	21.00	12,600.00
Channel Obstruction Removal (53+00 to 100+00) H	4,700	LF	29.00	136,300.00
Seeding, Sprigging and Mulching	14	AC	200.00	2,800.00
Mobilization and Demobilization	1	LS	10,000.00	10,000.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
			Total Installation Cost (Enter in Section 1F)$	274,500.00

Unit Abbreviations:

AC	Acre	LS	Lump Sum
CY	Cubic Yard	SF	Square Feet
EA	Each	SY	Square Yard
HR	Hour	TN	Ton
LF	Linear Feet	Other (Specifiy)	

2/23/06

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Section 4 NRCS EWP Funding Priority

Complete the following section to compute the funding priority for the recovery measures in this application (see instructions on page 10).

Priority Ranking Criteria	Yes	No		Ranking Number Plus Modifer
1. Is this an exigency situation?	☑	☐		1 E F
2. Is this a site where there is serious, but not immediate threat to human life?	☐	☑		
3. Is this a site where buildings, utilities, or other important infrastructure components are threatened?	☐	☐		
4. Is this site a funding priority established by the NRCS Chief?	☐	☐		
The following are modifiers for the above criteria			**Modifier**	
a. Will the proposed action or alternatives protect or conserve federally-listed threatened and endangered species or critical habitat?				
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?				
c. Will the proposed action or alternatives protect or conserve prime or important farmland?				
d. Will the proposed action or alternatives protect or conserve existing wetlands?				
a. Will the proposed action or alternatives maintain or improve current water quality conditions?			e	
f. Will the proposed action or alternatives protect or conserve unique habitat, including but not limited to, areas inhabited by State-listed species, fish and wildlife management area, or State identified sensitive habitats?			f	

Enter priority computation in Section 1A, NRCS Entry, Funding priority number.

Remarks:

Debris removal will increase flow and conserve/improve unique habitat for the Louisiana quillwort.

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Section 5A Findings

Finding: Indicate the preferred alternative from Section 2 (Enter to Section 1E):

Removal of Storm debris from channel by conventional methods. to chip debris and dispose of onsite - either side

I have considered the effects of the action and the alternatives on the Environmental Economic, Social; the Special Environmental Concerns; and the extraordinary circumstances (40 CFR 1508.27). I find for the reasons stated below, that the preferred alternative:

✓ Has been sufficiently analyzed in the EWP PEIS (reference all that apply)
Chapter 5.2.2.1.2
Chapter 5.2.2.2.2
Chapter _____
Chapter _____
Chapter _____

____ May require the preparation of an environmental assessment or environmental impact statement. The action will be referred to the NRCS State Office on this date:

NRCS representative of the DSR team [signature]

Title: Dist. Cons. Date: 2/22/06.

Section 5B Comments:

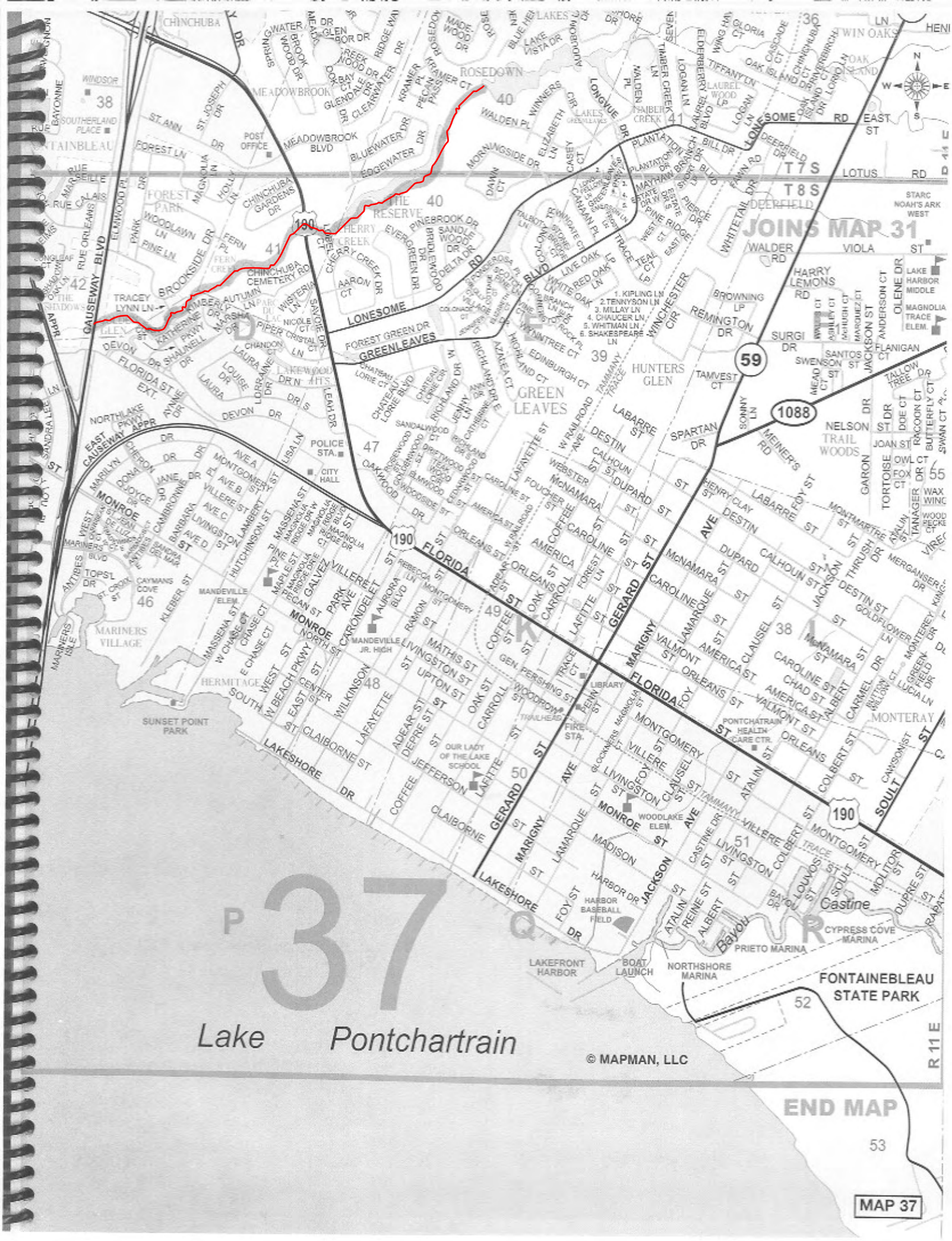
Section 5C **Sponsor Concurrence:**

Sponsor Representative [signature]

Title: Env. Specialist Date: 02.23.06

Section 6 Attachments:

A. Location Map
B. Site Plan or Sketches
C. Other (explain)


JOINS MAP 31
Lake Pontchartrain
© MAPMAN, LLC
END MAP
MAP 37
FONTAINEBLEAU STATE PARK
Castine
Bayou
CYPRESS COVE MARINA
PRIETO MARINA
NORTHSHORE MARINA
BOAT LAUNCH
LAKEFRONT HARBOR
HARBOR BASEBALL FIELD
SUNSET POINT PARK
MARINERS VILLAGE
HUNTERS GLEN
GREEN LEAVES
ROSEDOWN
MEADOWBROOK
THE RESERVE
FOREST PARK
CHINCHUBA
LAKESHORE DR
FLORIDA ST
GERARD ST
MARIGNY
MONROE
JACKSON
LONESOME
GREENLEAVES
CAUSEWAY BLVD
EAST CAUSEWAY APPR
LOTUS RD
EAST ST
WALDER RD
VIOLA ST
HARRY LEMONS RD
REMINGTON DR
TAMVEST CT
SPARTAN DR
LABARRE ST
DESTIN ST
McNAMARA ST
DUPARD ST
CALHOUN ST
CAROLINE ST
AMERICA ST
ORLEANS ST
VALMONT ST
MONTGOMERY ST
VILLERE ST
LIVINGSTON ST
CLAIBORNE ST
JEFFERSON
MADISON
HARBOR DR
ATALIN
REINE ST
ALBERT
COLBERT ST
CLAUSEL
LAMARQUE
MARIGNY
GERARD ST
SOULT
MONTERAY
MONTMARTRE
HENRY CLAY
NELSON TRAIL WOODS
MEINER'S RD
SURGI DR
SANTOS ST
FLANIGAN CT
TALLOW TREE DR
OLENE DR
LAKE HARBOR MIDDLE
MAGNOLIA TRACE ELEM.
STARC NOAH'S ARK WEST
DEERFIELD
WHITETAIL DR
PLANTATION DR
MAYHAM BRANCH
PIERCE DR
PINE RIDGE
BROWNING LP
WINCHESTER CIR
TRACE
TEAL CT
LIVE OAK
WHITE OAK
RED OAK
1. KIPLING LN
2. TENNYSON LN
3. MILLAY LN
4. CHAUCER LN
5. WHITMAN LN
6. SHAKESPEARE LN
FOREST GREEN DR
EDINBURGH CT
WINTREE CT
TAMMANY TRACE
LAFAYETTE ST
W RAILROAD AVE
WEBSTER
FOUCHER
COFFEE
CARROLL
LAFITTE
OAK ST
ADEAR ST
DEPRE ST
UPTON ST
MATHIS ST
GEN. PERSHING ST
WOODROW
TRAILHEAD
LIBRARY
FIRE STA.
POLICE STA.
CITY HALL
POST OFFICE
MANDEVILLE ELEM.
MANDEVILLE JR. HIGH
OUR LADY OF THE LAKE SCHOOL
WOODLAKE ELEM.
PONTCHATRAIN HEALTH CARE CTR.
CHINCHUBA CEMETERY RD
CHINCHUBA GARDENS DR
CHERRY CREEK
EDGEWATER DR
BLUEWATER DR
MEADOWBROOK BLVD
ST. ANN
ST. JOSEPH DR
FOREST LN
BROOKSIDE DR
PINE LN
WOODLAWN LN
TRACEY LYNN LN
KATHERINE
SHAUNELL
PIPER CRISTAL CT
CHANDON CT
NICOLE CT
LAURA
LOUISE DR
LORRAINE DR
LAKEWOOD DR N
FLORIDA ST EXT.
NORTHLAKE PKWY
DEVON DR
LISA LN
LEAH DR
MARILYN
CHERON
DONA
JANE
JOYCE
CAMBROWNE
BARBARA
LIVINGSTON ST
LAMBERT
HUTCHINSON ST
MASSENA ST
PINE ST
MAPLE ST
MAGNOLIA RIDGE DR
PECAN ST
GALVEZ
VILLERE
PARK AVE
CARONDELET
AURORA BLVD
RAMON ST
REBECCA LN
MONTGOMERY ST
CAYMANS COVE
TOPSL DR
KLEBER ST
ANTIBES
MARINERS ISLE
HERMITAGE
SOUTH CENTER ST
N BEACH PKWY
EAST CENTER ST
WEST ST
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CHASE CT
WILKINSON
LAFAYETTE
CLAIBORNE ST
ROSEWOOD DR
GOLDENROD DR
ELMWOOD
OAKWOOD
SANDALWOOD CT
CHATEAU LORIE CT
CHATEAU LORIE BLVD
RICHLAND DR
JENNY LN
CATHERINE DR
AZALEA CT
HIGHLAND CT
EDINBURGH CT
TAMMANY TRACE
SONNY LN
TORTOISE CT
FOX CT
OWL CT
DOE CT
RACOON CT
BUTTERFLY CT
SWAN CT
GARON
JOAN ST
TANAGER DR
KIALIN
THRUSH DR
MERGANSER DR
GOLDFLOWER LN
MONTEREY DR
GREEN FIELD DR
CARMEL DR
LUCIA LN
CAWSON ST
MOLITOR ST
DUPRE ST
LOUVOS ST
BAYOU DR
TRACE
TAMMANY
CASTINE DR
CHAD ST
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