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) 10
Limited Resource Area: YES ☐ NO X

Section 1A

Date of Report: 02/17/2006

DSR Number: 103-05-069K Project Number: _____

Section 1B Sponsor Information

Sponsor Name: St. Tammany Parish

Address: P.O. Box 628

City/State/Zip: Covington, LA 70434

Telephone Number: (985) 898-2552 Fax: (985) 898-5205

Section 1C Site Location Information

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

Latitude DS: 30.42440 Longitude DS: 90.10580 Section: 15, 16, 21 Township:7S Range: 10E
Latitude US: 30.43980 Longitude US: 90.83500
UTM Coordinates: 15

Drainage Name: Bayou Monga Reach: 12,100 Feet

Damage Description: Debris is reducing the capacity of Channel. Drainage is severely impeded. Debris consists mostly trees.
DEBRIS - MEDIUM W/ COMPLEXITIES

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: _____

* 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.

Total installation cost identified in this DSR: Section 3: $ 309,100.00

Section 1F NRCS State Office Review and Approval

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

Approved By: Donald W. Gohmert Approved: 3/3/06
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 117/1.96 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.

USDA NONDISCRIMINATION STATEMENT

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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
		Debris removal from one side of stream; alternate sides as move along reach to ensure removal from least vegetated side	Leave debris in the channel	Debris removal accessing both sides of stream channel at the same point along the reach
		2D Effects of Alternatives		
Soil				
Bank erosion	disturbed soils from bank, tree falls, and uprooting 20-T/ac	removal of debris will allow reveg. and reduce loss 5-T/ac	potential for further damage from debris 20-T/ac	reveg./reduce soil loss 5-T/ac
Compaction from equipment use	N/A	temporary compaction at access points	no equip would be used	temp. compaction at access
Water				
DO	potential decrease in DO due to excess storm debris	increase DO through removal of excess storm debris	potential decrease in DO due to excess storm debris	increase DO through removal of excess storm debris
BOD	high BOD/debris decomposition	improved BOD by removing detritus	high BOD/decompostion	improved BOD/less detritus
SVAP	4.4- poor overall stream health	5.2 - fair overall stream health	< 4.4 (potential continued decline in stream health)	5.2 - fair overall stream health
Air				
PM-10	attainment - existing conditions not impacting air quality	attainment (proposed action - no impacts to air quality)	attainment (no action- no impacts to air quality)	attainment (alternative -no impacts to air quality)
Plant				
riparian plants/ habitat	excess debris potential damage due to increased flood risk	restore hydrologic flow to decrease risk of flood damage	excess debris - potential for damage increases overtime	restore hydrologic flow to decrease risk of flood damage
aquatic plants/ habitat	Plants vary along reach, low species diversity in some areas	increase water quality and maintain/increase aquatic spp	continued decrease in H2O - decrease in aquatic spp	increase water quality and maintain/improve aquatic hab.
Animal				
Spp in Aquatic habitat	Impaired due to decrease in water quality	restore habitat for aquatic spp	impaired due to contin. decrease in water quality	restore habitat for aquatic spp
Spp in Riparian/Forest Habitat	Risk to spp due to storm debris & potential for flooding	Minimize risks associated with storm debris/flooding	Risk to spp due to storm debris & potential for flooding	Minimize risks associated with storm debris/flooding
Other				
Aesthetics	Poor due to storm debris	Improved - remove clutter	Poor due to storm debris	Improved - remove clutter
Vectors	Increased vectors due to stagnant water/	restore flow- decreas vector	Increased vectors due to stagnant water/	restore flow- decreas vecto

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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 Jurisdiction - decreased water quality and altered hydrology	CWA permit required	continued decrease in water quality with debris decomposition& altered hydrol	CWA permit required
Coastal Zone Management Areas	Occurs within the coastal zone- water flow potentially altered by storm debris	Coastal zone water flow patterns restored to pre-storm capacity	Water flow patterns potentially altered	Water flow patterns restored to pre-storm capacity
Coral Reefs	no coral reefs present in project area	N/A	N/A	N/A
Cultural Resources	(FOTG) none observed on-site	(FOTG) none observed on-site	(FOTG) none observed on-site	(FOTG) none observed on-site
Endangered and Threatened Species	(FOTG) (Federal/State lists) 6 spp known to occur and 2 spp possible occur-none noted	None likely to occur on site; thus, not likely to impact	None likely to occur on site; thus, not likely to impact	(None likely to occur on site; thus, not likely to impact
Environmental Justice	N/A	N/A	N/A	N/A
Essential Fish Habitat	(FOTG) No EFH	(FOTG) No EFH	(FOTG) No EFH	(FOTG) No EFH
Fish and Wildlife Coordination	Debris resulting in impairments to channel	Debris removal would not modify the channel, coordination not required	Debris resulting in continued impairments to channel	Debris removal would not modify the channel, coordination not required
Floodplain Management	Project area occurs within 100-year flood plain. Storm debris may compromise floodplain function	Restore to pre-storm functionality	Storm debris may compromise floodplain function	Restore to pre-storm functionality
Invasive Species	Chinese tallow trees, privet, and other invasive species likely to occur along some points of reach	Equipment access points may create new openings for invasives to populate	Chinese tallow tree noted to occur along some points of reach	Equipment access points may create new openings for invasives to populate
Migratory Birds	Food&cover quality impaired due to debris-increased risk of flooding migratory bird habitat	Food&cover quality improved and risk of flood damage decreased	Food&cover quality impaired due to debris-increased risk of flooding migratory bird habitat	Food&cover quality improved and risk of flood damage decreased
Natural Areas	(FOTG) None present	(FOTG) None present	(FOTG) None present	(FOTG) None present
Prime and Unique Farmlands	(FOTG) None present	(FOTG) None present	(FOTG) None present	(FOTG) None present
Riparian Areas	Riparian habitat impacted by wind damage and flooding due to debris accumulation	Restore riparian habitat to pre-storm w/ slight temporary impact due to equipment access	Riparian habitat impacted by wind damage and flooding due to debris accumulation	Restore riparian habitat to pre-storm w/ slight temporary impacts to both sides of reach due to equipment access
Scenic Beauty	Debris negatively affects the aesthetics of the area	Improves the potential to restore pre-storm aesthetic value	Debris negatively affects the aesthetics of the area	Improves the potential to restore pre-storm aesthetic value
Wetlands	Potential impacts to wetland function due to debris in channel	minimal impacts to natural wetland hydrology downstream of project area	Potential impacts to wetland function due to debris in channel	minimal impacts to natural wetland hydrology downstream of project area
Wild and Scenic Rivers	(FOTG) (LDWF scenic streams list) Not Listed as scenic stream	(FOTG) (LDWF scenic streams list) Not Listed	(FOTG) (LDWF scenic streams list) Not Listed	(FOTG) (LDWF scenic streams list) Not Listed

Completed By: Monica Wallace Date: 02/17/2006

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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)			
40 houses at $400,000	16,000,000.00	25	4,000,000.00
20 houses at $800,000	1,600,000.00	25	400,000.00
Properties Protected (Public)			
Business Losses			
Other			
I-12 bridge $500,000	500,000.00	25	125,000.00
Total Near Term Damage Reduction $			4,525,000.00
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			4,215,900.00

Completed By: Brandee Williams Date: 02/17/2006

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: Brandee Williams Date: 02/17/2006

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	6
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	3
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	3
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	99
White Male Hispanic	
White Male Non-Hispanic	99
Total Group	210

Census tract(s) T- 406.03 ; BG. 1 St. Tammany Parish.

Completed By: Brandee Williams Date: 02/17/2006

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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:

CWA permit
Water quality certification
Consistency Authorization
Permission to access property to conduct debris removal

Mitigation Description:

Minimize impacts to riparian zone adjacent to channel by accessing debris from the least vegetated side of channel. Access for debris removal will occur along channel reach on one side only, but the side may alternate along the reach depending upon the density of the existing vegetation.

Debris disposal will be done in a manner that minimizes potential impacts to stream function and adjacent habitat/ resident wildlife. The proposed action will eliminate stagnant pools in the channel, reducing vector/disease potential. Action will be completed without interruption whenever feasible to reduce disturbance and potential impacts to local wildlife.

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

U.S. Army Corps of Engineers - CWA permit required
LADEQ - Water Quality Certification
LDWF - Consultation
St. Tammany Parish Government
LDNR CMD - Consistency Authorization

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Section 3 Engineering Cost Estimate

Completed By: YS Date: 11/29/2005

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- Debris removal with conventional equipment				0.00
Channel Obstruction Removal	12100	Ft.	25.00	302,500.00
Mobilization and Demobilization	1	LS	5,000.00	5,000.00
Seeding, Sprigging and Fertilization	8	Ac	200.00	1,600.00
				0.00
				0.00
				0.00
				0.00
				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)$	309,100.00

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)	

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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
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?				

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

Remarks:

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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 accessing one side of the stream at a time.

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 _____
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: District Conservationist Date: 2/22/06.

Section 5B Comments:

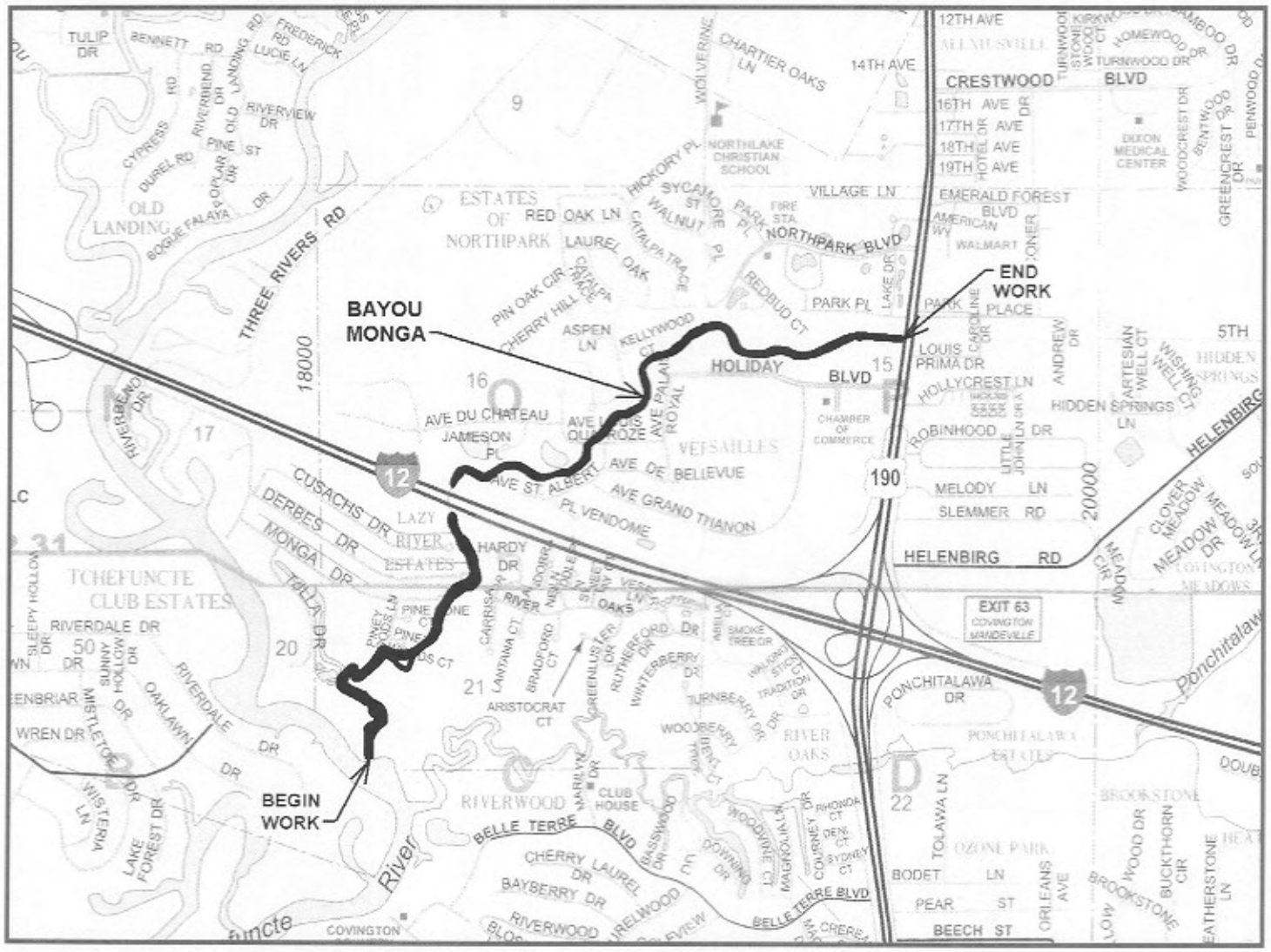
Section 5C **Sponsor Concurrence:**

Sponsor Representative [signature]

Title: Env. Specialist Date: 02-23-06

Section 6 Attachments:

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

SITE MAP
DSR 103-05-069K
ST. TAMMANY PARISH

BAYOU MONGA
EST. LENGTH: 12,100'