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

**Section 1A**

Date of Report: 09/29/2005

DSR Number: 103-05-037K Project Number: _____

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

**Section 1B Sponsor Information**

Sponsor Name: City of Slidell

Address: 2056 Second Street

City/State/Zip: Slidell, LA 704

Telephone Number: (985) 646-4270 Fax: _____

**Section 1C Site Location Information**

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

start: Latitude: 30.29410 start: Longitude: 89.78770 Section: 4 Township: 89S Range: 14-E
End: 30.28040 End. 89.78930

UTM Coordinates: 16

Drainage Name: Bayou Vincent Reach: ~~8~~ 5,016 LF

Damage Description: Debris is reducing the capacity of Canal. 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: _____

* 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: $ 149,794.00

**Section 1F NRCS State Office Review and Approval**

Reviewed By: _____ Date Reviewed: _____
State EWP Program Manager

Approved By: _____ Date Approved: _____
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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**Civil Rights Statement of Assurance**

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 using conventional equipment | Leave debris in stream | Debris removal using helicopter |
| | | 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** | | | | |
| DO | Low/potential problem | Improved DO | Low /potential problem | Improved DO |
| BOD | Raised BOD | Lower BOD | Raised BOD | Lower BOD |
| SS/Turbidity | Increased SS/turbidity | Decreased SS/turbidity | Increased SS/turbidity | Decreased SS/turbidity |
| | | | | |
| **Air** | | | | |
| PM-10 | attainment | attainment | attainment | attainment |
| | | | | |
| | | | | |
| | | | | |
| **Plant** | | | | |
| Aquatic health/vigor | Poor | Improved | Poor | Improved |
| Trees | Inadequate root mass | Restore root mass capability to trees to reestablish along bank | Inadequate root mass | Restore root mass capability to trees to reestablish along bank |
| | | | | |
| | | | | |
| **Animal** | | | | |
| Aquatic habitat | Ecological balance upset | Ecological balance restored | Ecological balance upset | Ecological balance restored |
| Forest habitat | Ecological balance upset | Ecological balance restored | Ecological balance upset | Ecological balance restored |
| | | | | |
| | | | | |
| **Other** | | | | |
| Aesthetics | Poor due to clutter | Improved | Poor due to clutter | Improved |
| Vector | Increased potential | restore flow patterns | Increased potential | restore flow patterns |
| | | | | |
| | | | | |

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## Section 2: Special Environmental Concerns

| Resource Consideration | Existing Condition | Alternatives and Effects | | |
|---|---|---|---|---|
| | | Proposed Action | No Action | Alternative |
| Clean Water Act Waters of the U.S. | No CWA permit will be required | No Permit | No Permit | No Permit |
| Coastal Zone Management Areas | No CUP permit will be required although project is within CZMA | No Permit | No Permit | No Permit |
| Coral Reefs | N/A | 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) none observed on-site | (FOTG) (Federal/State lists) none observed on-site | (FOTG) (Federal/State lists) none observed on-site | (FOTG) (Federal/State lists) none observed on-site |
| 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 | State level review by project type with USFWS&LDWF; Consultation not required for debris removal. | State level review by project type with USFWS&LDWF; Consultation not required. | State level review by project type with USFWS&LDWF; Consultation not required. | State level review by project type with USFWS&LDWF; Consultation not required. |
| Floodplain Management | 100-year floodplain function is impaired | 100-year floodplain function restored | 100-year floodplain function is impaired | 100-year floodplain function restored |
| Invasive Species | None identified | None identified | None identified | None identified |
| Migratory Birds | Food&cover quality reduced | Food&cover quality improved | Food&cover quality reduced | Food&cover quality improved |
| 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 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 | (FOTG) None present | (FOTG) None present | (FOTG) None present | (FOTG) None present |
| 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 | (FOTG) (LDWF scenic streams list) None noted on site | (FOTG) (LDWF scenic streams list) None noted on site | (FOTG) (LDWF scenic streams list) None noted on site | (FOTG) (LDWF scenic streams list) None noted on site |

Completed By: Kris Davis Date: 09/30/2005

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**Section 2 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) | | | |
| 21 Homes @ 120,000 / Home | 2,520,000.00 | 25 | 630,000.00 |
| | | | |
| | | | |
| | | | |
| Properties Protected (Public) | | | |
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| Business Losses | | | |
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| | | | |
| Other | | | |
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| | | | |
| | | | |
| | | Total Near Term Damage Reduction $ | 630,000.00 |
| | | Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3) | 480,206.00 |

Completed By: AB Date: 10/03/2005

**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 damags from the wate rshed 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: AB Date: 10/03/2005

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 | 8 |
| Black or African American Female Non-Hispanic | |
| Black or African American Male Hispanic | 11 |
| Black or African American Male Non-Hispanic | |
| 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 | 28 |
| White Male Hispanic | |
| White Male Non-Hispanic | 30 |
| Total Group | 69 |

Census tract(s) T040801

Completed By: AB Date: 10/03/2005

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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:

Access permission will be required. Agreement will be between landowners and City of Slidell

Mitigation Description:

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

City of Slidell
St. Tammany Parish Government

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**Section 3 Engineering Cost Estimate**

Completed By: CL Date: 09/28/2005

**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 |
| Debris removal | 5016 | LF | 27.75 | 139,194.00 |
| Mobilization & Demobilization | 1 | LS | 10,000.00 | 10,000.00 |
| Seeding, Sprigging and Mulching | 3 | Ac | 200.00 | 600.00 |
| | | | | 0.00 |
| | | | | 0.00 |
| | | | | 0.00 |
| | | | | 0.00 |
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| | | | | 0.00 |
| | | | | 0.00 |
| | | | | 0.00 |
| | | | | 0.00 |
| Total Installation Cost (Enter in Section 1F)$ | | | | 149,794.00 |

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 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 Modifier |
|---|---|---|---|---|
| 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.

*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 H. Bulsen

Title: Dist. Cons. Date: 10/3/05

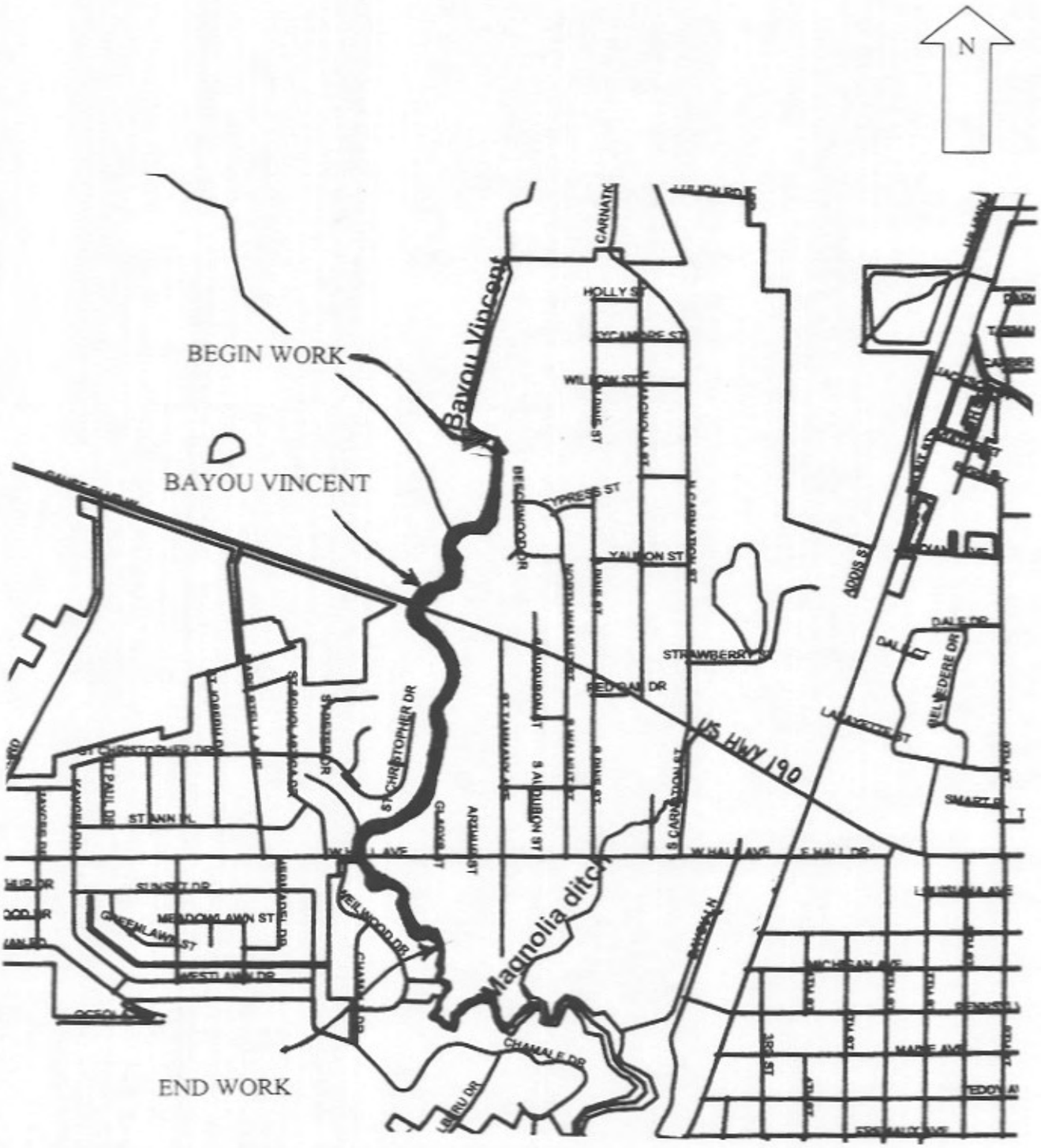
**Section 5B Comments:**

**Section 5C** **Sponsor Concurrence:**

**Sponsor Representative**

Title: Ruben Castillo Date: 10-7-05

**Section 6 Attachments:**

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

# SITE MAP
## DSR 103-05-037K
## BAYOU VINCENT
## ESTIMATED LENGTH: 5,016'