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

Section 1A

Date of Report: 09/12/2005

DSR Number: 105-05-0003 Project Number: ____

Section 1B Sponsor Information

Sponsor Name: GRAVITY DRAINAGE DISTRICT #4

Address: 9040 HIGHWAY 441

City/State/Zip: AMITE, LA 70422

Telephone Number: (985) 748-9310 Fax: ____

Section 1C Site Location Information

County: TANGIPAHOA State: LA Congressional District: 01

Latitude: N 30.68966667 N 30.70272222 Longitude: W 90.53077778 90.53638889 Section: 5 Township: 35 Range: 7E

UTM Coordinates: 15

Drainage Name: Reid Road - LaRock Road Reach: 10,200

Damage Description: Trees fallen and trash build up from Hurricane Katrina (8/29/05)

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?*	✔		
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:

Remove debris from three channels on Reid and LaRock roads to reduce possible flooding.

Total installation cost identified in this DSR: Section 3: $ 98,588.00

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.

DSR NO: 105-05-003

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternative Designation		
		Proposed Action	No Action	Alternative
		Access debris removal from within the channel and dispose of debris and large trees in an approved site	Leave all debris and large trees in the channel	Access debris removal from only west side of channel and dispose of debris and large trees in an approved site
		2D Effects of Alternatives		
Soil				
Bank erosion	disturbed soils form bank tree falls and uprooting 20T/ac	removal of debris will allow revegetation/reduce loss 5T/ac	bank erosion will decrease with time 20T/ac	remove debris allow revg 10T/ac
Water				
Downstream water rights	water will not have be be withdrawn for removal	no effect	no effect	no effect
DO	Low DO from decreased water flow	Improved DO	Low DO	Improved DO
BOD	High BOD/debris decomposition	Improved BOD by removing detritus	High BOD/decomposition	Improved BOD/less detritus
SVAP - stream health	SVAP = 6.4	Increase value	Decrease value	Increase value
Air				
PM-10	Attainment	Attainment	Attainment	Attainment
Plant				
Aquatic health/vigor	excessive debris limiting growth	debris removal will increase growth potential	continued growth limitation	debris removal will increase growth potential
Animal				
Aquatic habitat	quality reduced/high BOD	quality increased/reduce BOD	quality reduced/high BOD	quality increased/reduce BOD
Aquatic food web	impaired food web altered by excessive detritus and low DO	restore food web	impaired food web	restore food web
Other				
vectors	potential disease transmittal	reduce disease transmittal	potential disease transmittal	reduce disease transmittal
Aesthetics	Poor due to clutter	Improved by debris removal	Poor due to clutter	Improved by debris removal

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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	Improved water quality; CWA permit required	Poor water quality	Improved water quality
Coastal Zone Management Areas	N/A	N/A	N/A	N/A
Coral Reefs	N/A	N/A	N/A	N/A
Cultural Resources	Channel has been previously altered (FOTG) none on-site	(FOTG) none on-site	(FOTG) none on-site	(FOTG) none on-site
Endangered and Threatened Species	Several species listed in Parish, however no suitable habitat exists on-site	none on-site (FOTG) no suitable habitat on-site no effect	none on-site (FOTG) no suitable habitat on-site no effect	none on-site (FOTG) no suitable habitat on-site no effect
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	Consultation not required	Consultation not required for debris removal
Floodplain Management	100-year floodplain function is expanded	100-year floodplain function is restored to natural conditions	100-year floodplain function is expanded	100-year floodplain function is restored to natural conditions
Invasive Species	Several exotic species present including Chinese Tallow	Allow for active management to control exotic species	No effect	Allow for active management to control exotic species
Migratory Birds	Food and habitat quality reduced for Neotropical birds	Food and cover quality improved	Food and cover quality reduced	Food and 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 Area impacted by flooding due to debris accumulation	Riparian Area improved by debris removal	Riparian Area impacted by flooding due to debris accumulation	Riparian Area improved by debris removal
Scenic Beauty	(FOTG) None present	(FOTG) None present	(FOTG) None present	(FOTG) None present
Wetlands	Emergent/wooded wetlands also altered with debris	Debris removed adjacent to Wetland; impacts reduced	Emergent/wooded wetlands altered with debris	Debris removal from within Wetland; temporary impacts
Wild and Scenic Rivers	State level review by project type with & LDWF; Located within Tangipahoa watershed.	Permit required	N/A	Permit required

Completed By: Kris Davis Date: 09/10/2005

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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)			
	1,500,000.00	20	300,000.00
Properties Protected (Public)			
	150,000.00	25	37,500.00
	10,000.00	10	1,000.00
Business Losses			
	27,675.00	25	6,918.00
Other			
	1,000.00	25	250.00
	2,450.00	25	612.50
Total Near Term Damage Reduction $			346,280.50
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			247,692.50

Completed By: DONNY LATIOLAIS Date: 09/13/2005

15 houses x $100,000 = $1,500,000.

Detour due to loss of road and access to Hwy. 51 –
100 cars per day x .41 per mile = $41. per mile x 15 miles =
$615. ~~tax~~ loss per day x 45 days to repair = $27,675.

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?	☐	✔	
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?	☐	✔	
Has the community as a whole been adversely impacted by the watershed impairment (life and property ceases to operate in a normal capacity)	✔	☐	
Is there a lack or has there been a reduction of public safety due to watershed impairment?	✔	☐	

Completed By: DONNY LATIOLAIS Date: 09/13/2005

DSR NO: _____
105-05-0003

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	11
Black or African American Male Hispanic	
Black or African American Male Non-Hispanic	10
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	17
White Male Hispanic	
White Male Non-Hispanic	15
Total Group	53

Census tract(s)_____

Completed By: DONNY LATIOLAIS Date: 09/12/2005

15 houses x 3.5 people/house = 53 total

White 61% male 46%
Black 39% Female 54%

Whites 32 (w. male 15, w. Female 17)

Black 21 (B. male 10, B. Female 11)

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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:

Sponsor has secured all relevant easements needed to commence emergency work.
Sponsor will obtain a CWA permit.
Sponsor shall obtain a scenic stream permit through LDWF.

Mitigation Description:

A portion of the debris removal will be from the existing roadway.
Debris shall be disposed of off-site in an approved landfill.
Mitigation is expected to be minimal due to lack of riparian habitat in city limits.

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

U.S. Army Corps of Engineers - New Orleans District - Brian Breaux
Tangipahoa Parish Government
Gravity District Drainage 4
LDWF - Scenic streams permit with Keith Casio

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Section 3 Engineering Cost Estimate

Completed By: _____ Date: 09/13/2005

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

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost ($)	Amount ($)
				0.00
Obstruction Removal	1		90,588.00	90,588.00
Mobilization	1		8,000.00	8,000.00
				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)$	98,588.00

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)	

Section 3
DSR-105-05-0003 Engineering Cost Estimate
LaRock/ Reid Road Laterals

Alternative A

LaRock/ Reid Road Laterals = 10,200′

A) Reach 1 = 3,500′
B) Reach 2 = 2,500′
C) Reach 3 = 4,200′

1 Crew Construction Progress ≈ 500′/ day

Working within the channel and disposing of woody debris at the burn site at Arcola, LA and non-wooded debris at the Tangipahoa Regional Landfill.

Total Reach Length = 10,200′ with Three Bridge Crossings

Reach 1 = 3,500′/ 500′/ day = 7 days = 56 hrs
Reach 2 = 2,500′/ 500′/ day = 5 days = 40 hrs
Reach 3 = 4,200′/ 500′/ day = 8.4 days = 67 hrs
163 hrs

1 Track-hoe	$ 150.00/ hr x 163 hrs =	$ 24,450.00
2 Dump Trucks	2 x $ 40.00/ hr x 163 hrs =	$ 13,040.00
1 Foreman	$ 25.00/ hr x 163 hrs =	$ 4,075.00
2 Chainsaws	2 x $ 30.00/ hr x 163 hrs =	$ 9,780.00
8 Semiskilled Outside Laborers	8 x $ 15.00/ hr x 163 hrs =	$ 19,560.00
1 D-4 Dozer	$ 120.00/ hr x 163 hrs =	$ 19,560.00
		$ 90,588.00
	Mobilization =	$ 8,000.00
	Total Cost for Alternative A	**$ 98,588.00**

9/12/05
Date

Karl Barry
Karl Barry
Agricultural Engineer

Alternative B

Working from top bank with disposal to be hauled.

Construction Progress 300′/ day
Total Reach Length = 10,200′

Total hours for 1 crew = 10,200′/300′/day = 34 days = 272 hours

1 Track-hoe		$ 150.00/ hr x 272 hrs = $ 40,800.00
2 Dump Trucks	2 x	$ 40.00/ hr x 272 hrs = $ 21,760.00
1 Foreman		$ 25.00/ hr x 272 hrs = $ 6,800.00
2 Chainsaws	2 x	$ 30.00/ hr x 272 hrs = $ 16,320.00
8 Semiskilled Outside Laborers	8 x	$ 15.00/ hr x 272 hrs = $ 32,640.00
1 D-4 Dozer		$ 120.00/ hr x 272 hrs = $ 32,640.00
		$150,960.00
		Mobilization = $ 10,000.00

Total Cost for Alternative B $ 160,960.00

9/12/05
Date

Karl Barry
Karl Barry
Agricultural Engineer

DSR NO: 105-05-0003

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?	☑	☐		1e
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):

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 5.2.2.2.1
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

Title: [illegible] Date: 9/13/05

Section 5B Comments:

Section 5C

Sponsor Concurrence:

Sponsor Representative

Title: President Date: 9/13/05

Section 6 Attachments:

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

September 12, 2005 DSR # 105-05-0003

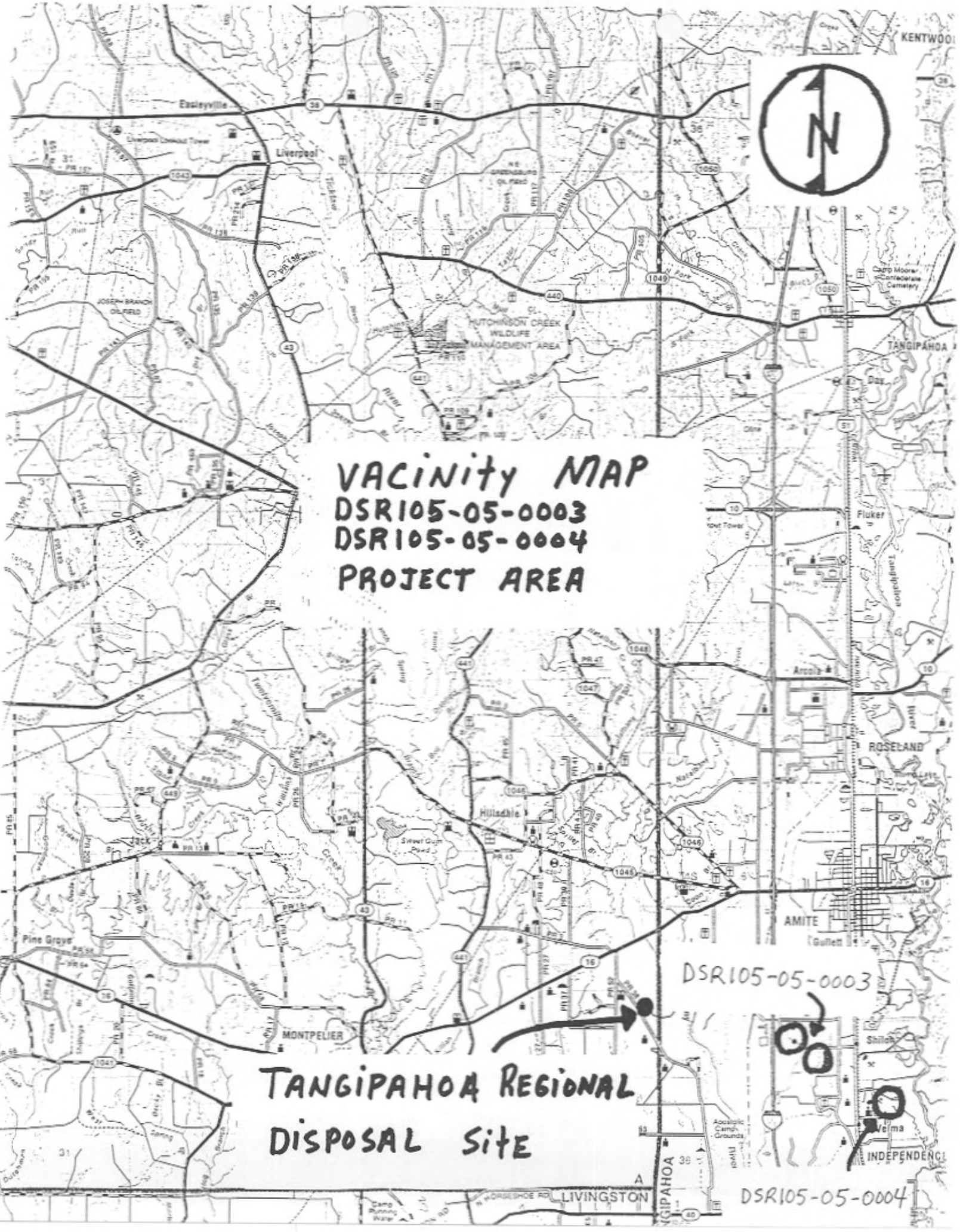
SWAP:

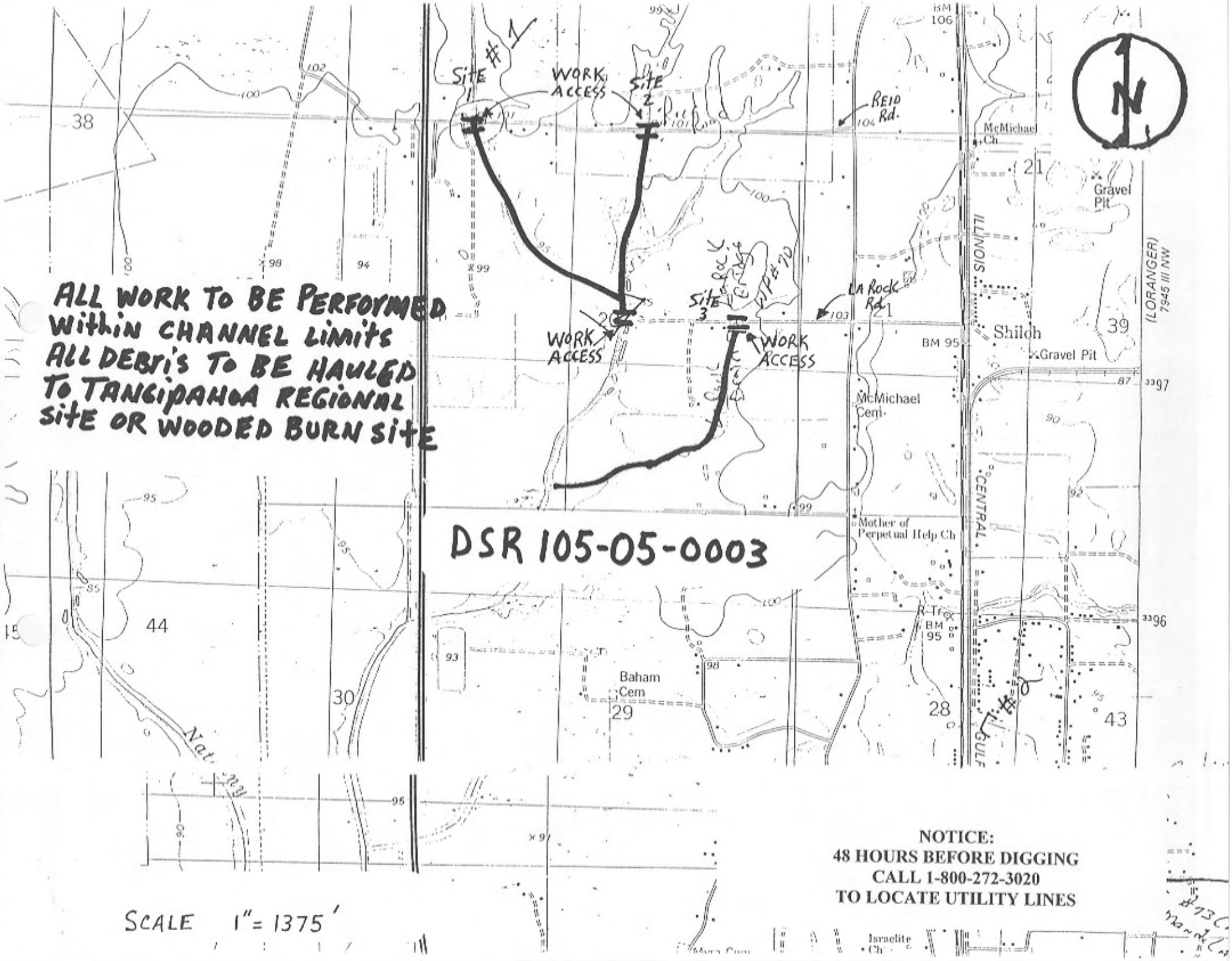
7	Channel Condition
3	Hydrologic Alteration
3	Riparian Zone
10	Bank Stability
7	Water Appearance
7	Nutrient Enrichment
8	Barriers to Fish Movement
8	Instream Fish Cover
7	Pools
7	Insect/ Invertebrate Habitat
7	Canopy Cover

70/ 11 = 6.4 Fair

- No long term fish habitat at upper end.
- Wooded riparian buffer along east and west of channel.
- Culverts present at road crossing and bridges.
- Stream is intermittent in nature.
- Area in question is mostly a wooded riparian channel except for in township areas.
- Very little aquatic life present, except for some small fish areas isolated within channel.

Kris Davis, Wildlife Biologist


VACINITY MAP
DSR105-05-0003
DSR105-05-0004
PROJECT AREA
N
Easleyville
Liverpool
KENTWOOD
HUTCHINSON CREEK WILDLIFE MANAGEMENT AREA
TANGIPAHOA
Fluker
Arcola
ROSELAND
Hillsdale
AMITE
Gullett
Pine Grove
MONTPELIER
DSR105-05-0003
TANGIPAHOA REGIONAL DISPOSAL SITE
Velma
INDEPENDENCE
LIVINGSTON
DSR105-05-0004



NOTICE:
48 HOURS BEFORE DIGGING
CALL 1-800-272-3020
TO LOCATE UTILITY LINES