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) 2de
Limited Resource Area: YES ☐ NO X

Section 1A

Date of Report: 02/21/2006

DSR Number: 011-05-006R Project Number: _____

Section 1B Sponsor Information

Sponsor Name: Beaurigard Parish Police Jury

Address: P.O. Box 310

City/State/Zip: DeRidder, Louisiana 70634

Telephone Number: (337) 462-0675 Fax: _____

Section 1C Site Location Information

County: Beaurigard State: Louisiana Congressional District: _____

Latitude: 30.53109 Longitude: -93.20802 Section: 20 Township: 6S Range: 8W

UTM Coordinates: _____

Drainage Name: Lonnie Coleman Road/Brushy Branch Reach: 530 LF

Damage Description: Debris accumulation in channel from Hurricane Rita.

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: Local Parish has been consulted.

* 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.

DSR NO: 011-05-006R

Section 1E Proposed Action

Describe the preferred alternative from Findings: Section 5 A:

Remove and dispose debris and large trees from the channel (by burning, chipping, or hauling) accessing the channel from one side.

Total installation cost identified in this DSR: Section 3: $ 6,830.00

Section 1F NRCS State Office Review and Approval

Reviewed By: _____ Date Reviewed: 3/10/06
State EWP Program Manager

Approved By: _____ Date Approved: 3/10/06
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.

DSR NO: 011-05-006R

Section 2 Environmental Evaluation

2A Resource Concerns	2B Existing Condition	2C Alternative Designation		
		Proposed Action	No Action	Alternative
		Remove debris from the channel accessing the channel from one side. Debris will be removed by hauling, burning, or chipping	Leave all debris and large trees in the channel	Remove debris from the channel accessing both sides. Debris will be removed by hauling, burning, or chipping
		2D Effects of Alternatives		
Soil				
Bank erosion	20-T/ac	5-T/ac	20-T/ac	5-T/ac
Compaction	na	Slight increase due to equipment	na	Moderate increase due to equip.
Water				
Downstream water rights				
DO	Low DO due to excess debris	Improved DO with removal of debris	Low DO due to excess debris	Improved DO with removal of debris
Overall steam health	SVAP-5	SVAP-7	SVAP-5	SVAP-6
Air				
Particulate matter	na	Slight during debris removal under dry conditions or burning	na	Moderate during debris removal under dry conditions or burning
Plant				
Aquatic health/vigor	Aquatic health/vigor decreased by storm damage debris	Aquatic health/vigor increased by removal of debris	Aquatic health/vigor decreased by decay of debris	Aquatic health/vigor increased by removal of debris
Riparian plant habitat	Plant habitat damaged by debris	Improved with debris removal and re-vegetation	Plant habitat damaged by debris	Improved with debris removal and re-vegetation
Animal				
Aquatic habitat	Quality reduced/poor water quality	Quality increased/water quality improved with debris removal	Quality reduced/decaying debris reduces water quality	Quality increased/water quality improved with debris removal
Upland habitat	Loss of food and cover from storm damage	Improved habitat after debris removal and restoration	Loss of food and cover from storm damage	Improved habitat after debris removal and restoration
Other				
Aesthetics	Poor due to clutter	Improved by debris removal	Poor due to clutter	Improved by debris removal

DSR NO: 011-05-006R

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 - poor water quality	CWA permit required - improve water quality/restore hydrology	Poor water quality	CWA permit required - improve water quality/restore hydrology
Coastal Zone Management Areas	N/A	N/A	N/A	N/A
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 List) None observed on-site	(FOTG) Federal/State List) None observed on-site	(FOTG) Federal/State List) None observed on-site	(FOTG) Federal/State List) None observed on-site
Environmental Justice	Increased risk of flooding to low income and minorities	Decreased risk of flooding to low income and minorities	Increased risk of flooding to low income and minorities	Decreased risk of flooding to low income and minorities
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 is restored	100-year floodplain function is impaired	100-year floodplain function is restored
Invasive Species	Chinese tallow tree and japanese privet along channel	Opening for access my contribute to spread	Chinese tallow tree and japanese privet along channel	Opening for access my contribute to spread
Migratory Birds	Food and cover quality reduced	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	Debris has negative impact	Improved with debris removal	Debris has negative impact	Improved with debris removal
Wetlands	Debris will cause increased flooding impacting natural wetland function	Debris removed from stream, wetland function improved	Debris will cause increased flooding impacting natural wetland function	Debris removed from stream, wetland function improved
Wild and Scenic Rivers	na	na	na	na

Completed By: Frank Chapman Date: 02/10/2006

DSR NO: 011-05-006R

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)	48,115.20	20	9,623.04
2 wood frame houses			
			12,800
Properties Protected (Public)	128,000.00	~~20~~ 10	~~25,600.00~~
1 40 foot bridge			
@ $64000 per 20' span as per Beauregard Parish Police			
Business Losses			
Other			
			# 22,423.04
Total Near Term Damage Reduction $			~~35,223.04~~
Net Benefit (Total Near Term Damage Reduction minus Cost from Section 3)			~~28,303.04~~ 15,5934

OK

Completed By: Frank Chapman Date: 02/21/2006

Note: An economic value for having to use alternate routes in the instance of flooding exists, but its value is minimal and no data is available to quantify it. The alternate route is located nearby and the mileage differential is minimal. The alternate route is much less desirable due to overall poorer road conditions, but it is available.

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?	✔	☐	Debris could block drainage resulting in road failure and flooding impairing emergency response.
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?	✔	☐	Debris could block drainage resulting in road failure and flooding impairing emergency response and/or flooding of homes.

Completed By: Frank Chapman Date: 02/21/2006

DSR NO: _____
011-05-006R

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

Census tract(s) Block 2057, Tract 9607

Completed By: Frank Chapman Date: 02/21/2006

Note: This is not an isolated area and residents have alternative routes to access emergency assistance. Those effected directly are those living or owning homes in potential flood zone.

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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 will secure all easements, permissions to access work area along channel on private lands.
404 permit will be required were applicable.
CWA and water quality certification may be required for grubbing of stumps.

Mitigation Description:

Work will be performed from one side of the channel only as described in engineering report. Debris will be disposed of in approved manner. Removal of debris from channel will improve water quality.

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

U.S. Army Corps of Engineers
New Orleans District
Brain Breaux

DSR NO: 011-05-006R

Section 3 Engineering Cost Estimate

Completed By: Matt Pyle Date: 02/21/2006

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

Proposed Recovery Measure (including mitigation)	Quantity	Units	Unit Cost ($)	Amount ($)
Mobilization and Demobilization	1	LS	2,000.00	2,000.00
Channel Obstruction Removal	530	LF	9.00	4,770.00
Seeding, Sprigging, and Mulching	0	AC	200.00	60.00
				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
				0.00
			Total Installation Cost (Enter in Section 1F)$	6,830.00

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)	

DSR NO: 011-05-006R

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?	☐	☑		
2. Is this a site where there is serious, but not immediate threat to human life?	☑	☐		2d,e
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?			N	
b. Will the proposed action or alternatives protect or conserve cultural sites listed on the National Register of Historic Places?			N	
c. Will the proposed action or alternatives protect or conserve prime or important farmland?			N	
d. Will the proposed action or alternatives protect or conserve existing wetlands?			Y	
a. Will the proposed action or alternatives maintain or improve current water quality conditions?			Y	
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?			N	

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

Remarks:

DSR NO: 011-05-006R

Section 5A Findings

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

Remove and dispose debris and large trees from the channel (by burning, chipping, or hauling) accessing the channel from one 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 _____
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: Frank Chapman Date: 02/24/2006 3/10/06

Section 5B Comments:

Section 5C

Sponsor Concurrence: yes

Sponsor Representative

Title: Elton Rushing Sr Parish Manager Date: 3-10-06

Section 6 Attachments:

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

SECTION 6

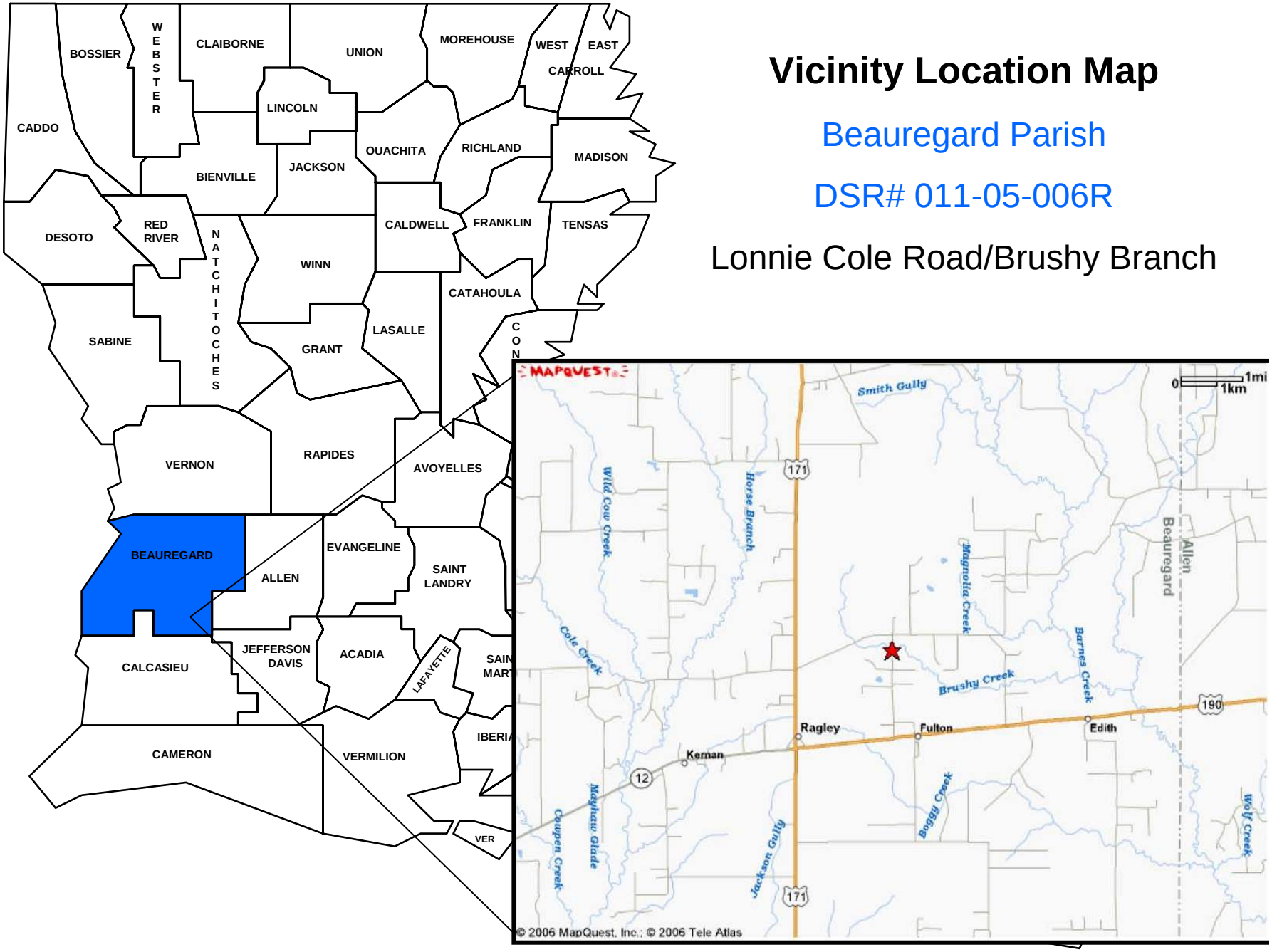
ATTACHMENTS

Vicinity Location Map

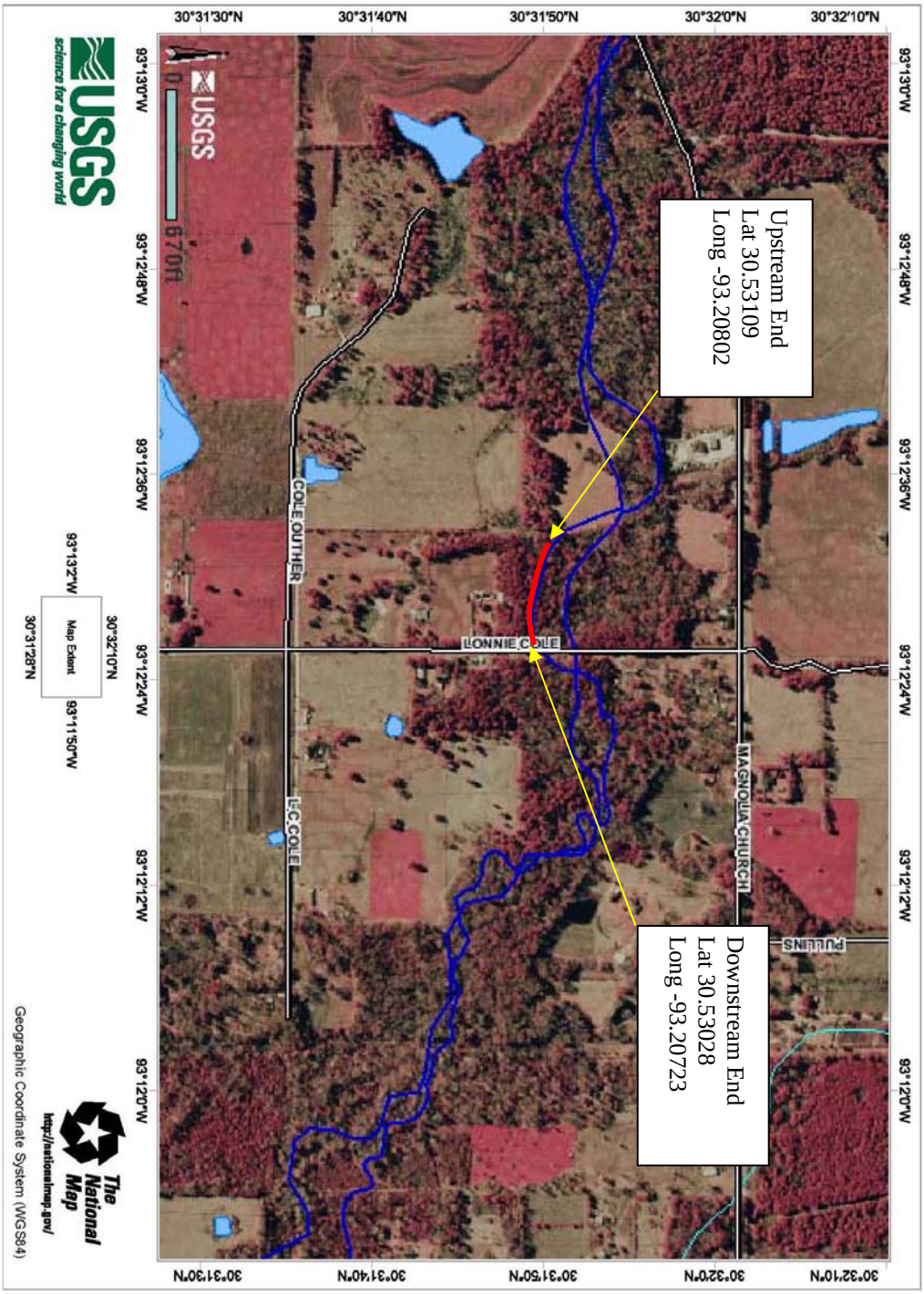
Beauregard Parish

DSR# 011-05-006R

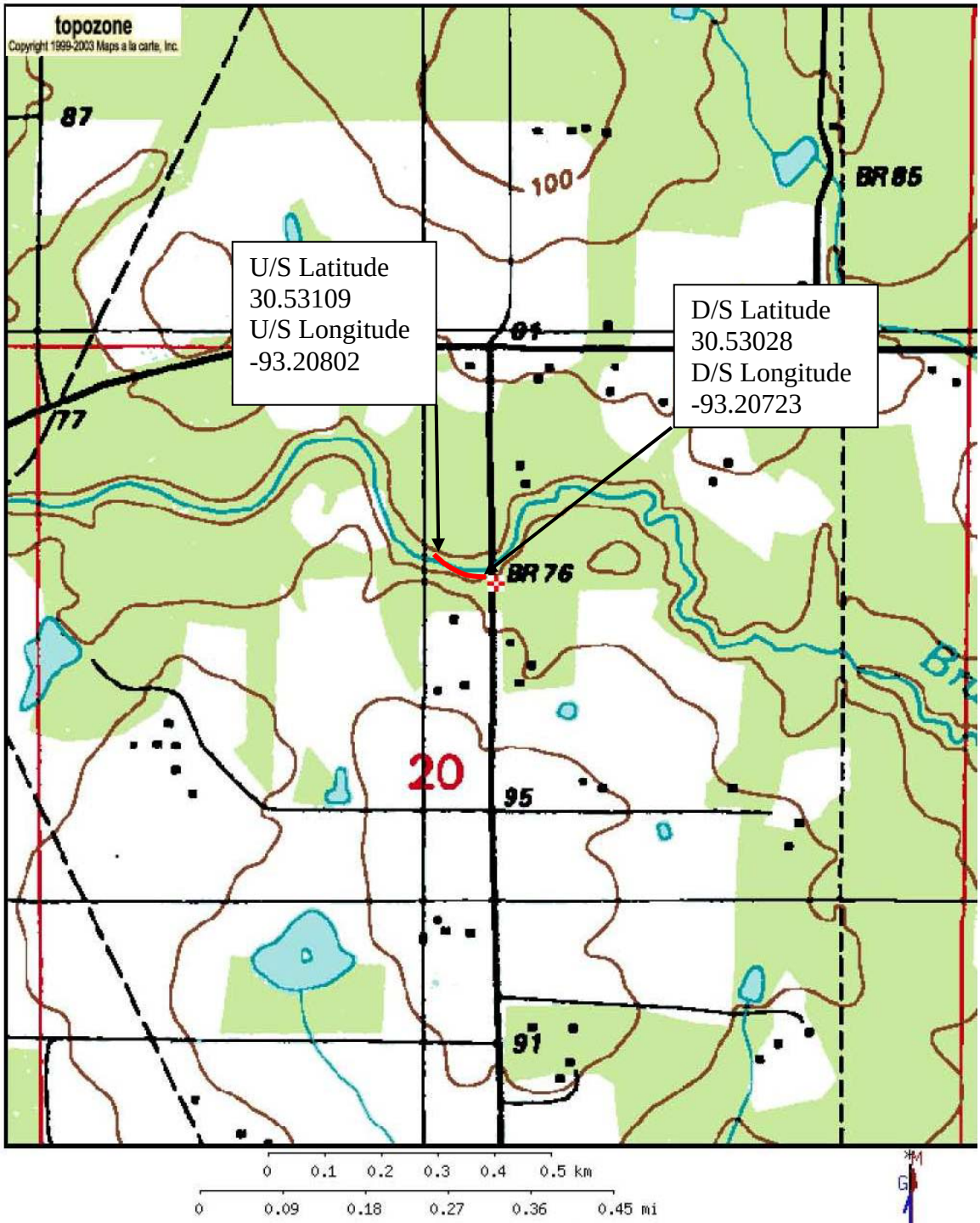
Lonnie Cole Road/Brushy Branch



SITE MAP
DSR 011-05-006R
Lonnie Cole Road/Brushy Branch
Beauregard Parish



TOPO MAP
DSR 011-05-006R
Lonnie Cole Road/Brushy Branch
Beauregard Parish



0 0.1 0.2 0.3 0.4 0.5 km
0 0.09 0.18 0.27 0.36 0.45 mi

Map center is 30.5303°N, 93.2072°W (WGS84/NAD83)
Longville quadrangle
Projection is UTM Zone 15 NAD83 Datum

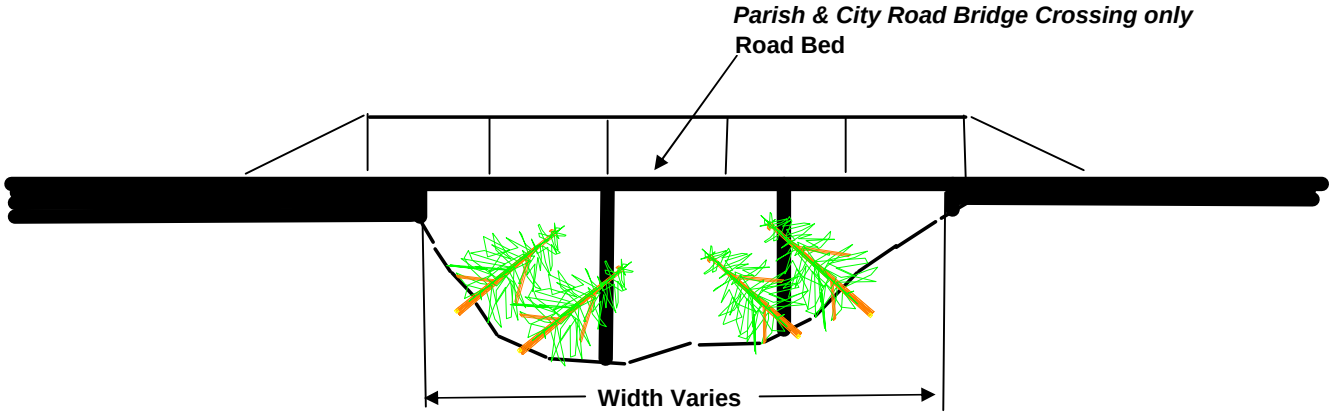
M
G
M=2.657
G=-0.105

DSR NO: 011-05-006R

CHANNEL: Lonnie Cole Road/Brushy Branch

PARISH/SPONSOR: Beauregard Parish Police Jury

Debris Removal



Note: Contract is to remove Debris from upstream and downstream Bridge which includes underside of bridge
Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Bridge Crossing
Not to Scale

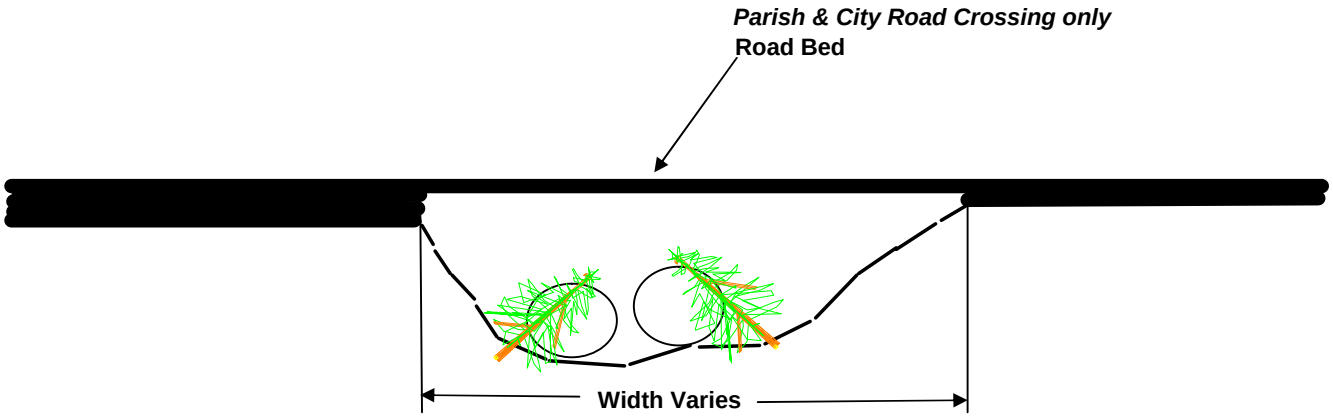
Notice:
48 Hours Before Digging
Call 1-800-272-3020

DSR NO: 011-05-006R

CHANNEL: Lonnie Cole Road/Brushy Branch

PARISH/SPONSOR: Beauregard Parish Police Jury

Debris Removal



Note: Contract is to remove Debris from upstream and downstream Culverts which includes inside of culverts
Exception: All Crossing which cross State or Federal highways are not included in contract

Typical Road Culvert type Crossing
Not to Scale

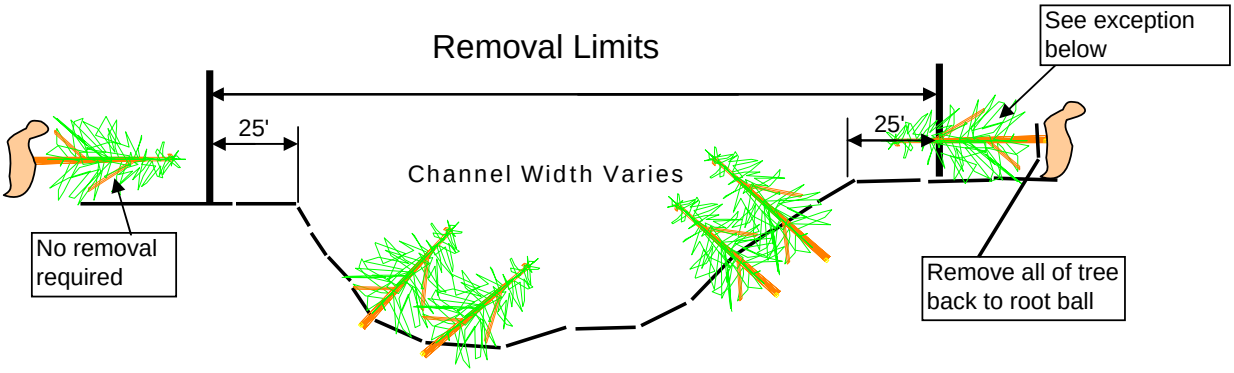
Notice:
48 Hours Before Digging
Call 1-800-272-3020

DSR NO: 011-05-006R

CHANNEL: Lonnie Cole Road/Brushy Branch

PARISH/SPONSOR: Beauregard Parish Police Jury

Debris Removal



Typical Section Not to Scale

Notice:
48 Hours Before Digging
Call 1-800-272-3020

***Note** : Access and work both sides; however work to be performed on one side only in any reach as concurred in by COTR.*

***Exception** it may be possible that trees which were located outside of the the removal limits may have fallen into the removal limits, the entire tree will be removed back to the root ball even if only a portion of the tree is withinthe removal limits*

DSR No:	011-05-006R	Prefered Measure

Section 5 Engineering Cost Estimate Worksheet

Parish: Beauregard
Channel: Brushy Branch
Location: Lonnie Cole Road

Completed By: Matt Pyle (Revised BAS 3/9/06) **Date:** 21-Feb-06

Type of Work: Debris Removal

Location of Work:

Township(s)	Range(s)	Section(s)	Quadrangle(s)
6 South	8 West	20	Longville

	Reach or Channel Seg		Reach or Channel Seg		Reach or Channel Seg	
	Latitude	***Longitude***	***Latitude***	***Longitude***	***Latitude***	***Longitude***
Downstream Start:	30.53028	93.20723				
Upstream End:	30.53109	93.20802				

Estimated Length of Work Segment (ft): 530 linear feet

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	$2,000.00	$2,000
2	Channel Obstruction Removal	530	LF	$9.00	$4,770
3	Seeding, Sprigging and Mulching	0.30	AC	$200.00	$60
4					$0
5					$0

Note: Estimated cost of debris removal includes equipment, labor, hauling, and disposal of material.

Total Estimated Construction Cost **$6,830**

Performance Time:

Production Rate	Segment Length	Production Time	Contract Time
240 Ft/Day	530 Ft	2.21 Days	5 Days
		Plus 2 Days Move In	

Estimated Cost of Equipment with Labor ***(Per Revised Costs by BAS 2-9-06)***

Description of Work: Medium

Cost per LF
$9.00

Estimated Cost of Seeding with Labor

Segment Length	Segment Width	No.of Segment	Acres	Cost per Ac	**Total Cost**
530 Ft.	25 Ft.	1	0.30	$200	$60

Comments:

The preferred method involves working from the either side of the channel and 25ft. of top bank and removing debris that is partially or fully obstructing the channel section, NOT floodplains. Removed debris may be chipped, burned, or hauled off site to an approved disposal site.

DSR No:	011-05-006R	Alternative Measure

Section 5 Engineering Cost Estimate Worksheet

Parish: Beauregard
Channel: Brushy Branch
Location: Lonnie Cole Road

Completed By: Matt Pyle (Revised BAS 3/9/06) **Date:** 21-Feb-06

Type of Work: Debris Removal

Location of Work:

Township(s)	Range(s)	Section(s)	Quadrangle(s)
6 South	8 West	20	Longville

	Reach or Channel Seg		Reach or Channel Seg		Reach or Channel Seg	
	Latitude	***Longitude***	***Latitude***	***Longitude***	***Latitude***	***Longitude***
Downstream Start:	30.53028	93.20723				
Upstream End:	30.53109	93.20802				

Estimated Length of Work Segment (ft): 530 linear feet

Item No.	Proposed Recovery Measure	Quantity	Units	Unit Cost	Amount
1	Mobilization & Demobilization	1	LS	$2,000.00	$2,000
2	Channel Obstruction Removal	530	LF	$9.00	$4,770
3	Seeding, Sprigging and Mulching	0.61	AC	$200.00	$122
4					$0
5					$0

Note: Estimated cost of debris removal includes equipment, labor, hauling, and disposal of material.

Total Estimated Construction Cost **$6,892**

Performance Time:

Production Rate	Segment Length	Production Time	Contract Time
240 Ft/Day	530 Ft	2.21 Days	5 Days
		Plus 2 Days Move In	

Estimated Cost of Equipment with Labor ***(Per Revised Costs by BAS 2-9-06)***

Description of Work: Medium

Cost per LF
$9.00

Estimated Cost of Seeding with Labor

Segment Length	Segment Width	No.of Segment	Acres	Cost per Ac	**Total Cost**
530 Ft.	25 Ft.	2	0.61	$200	$122

Comments:

The preferred method involves working from both sides of the channel and 25ft. of top bank and removing debris that is partially or fully obstructing the channel section, NOT floodplains. Removed debris may be chipped, burned, or hauled off site to an approved disposal site.

Channel Obstruction Evaluation

SITE INFORMATION

Parish: Beauregard		Site: Lonnie Cole Rd/Brushy Branch	
City:			
Sponsor: Police Jury		Reach:	From -
Date: 2/17/06			To -
Evaluation Team: Matt Pyle, Frank Chapman			

PHOTO NUMBERS AND BRIEF DESCRIPTION

Photo #	Description
1	Bridge
2	L.O.S. - light blockage
3	Treetop down See log

WAYPOINTS

(CIRCLE location and record in Decimal Degrees)

Start Work (D/S end)	N 30.53028	30.53109
Midstream		
End Work (U/S end)	W 093.20723	093.20802

NEARBY AND UPSTREAM STRUCTURES

(Fill in Numbers, Values, and Size)

~~CHURCHES~~		~~SCHOOLS~~		~~PUBLIC FACILITIES~~	
No. of Churches		No. of Schools		No. of Public Facilities	

HOMESITES		~~BUSINESSES~~	
No. of Homesites	1	No. of Businesses	
Average Value of Homes (X $1,000)		Size of Businesses	S M L

STREAM CROSSINGS

(CIRCLE type and write material, size and length)

TYPE	MATERIAL	NUMBER, SIZE, & LENGTH
Bridge	wood	~40' L x 25 w
Culverts		
Other or None		

UTILITIES

(CHECK the location of the utilities in the area and CIRCLE stream orientation)

✓	Overhead (Power, Cable, etc.)	U/S	D/S
	Buried (Gas, Sewer, water, etc.)	U/S	D/S
	Elevated Cross channel (Water, Gas, etc.)	U/S	D/S

Remarks:

CHANNEL CHARACTERISTICS

(CHECK appropriate box for slope and fill in dimensions information)

SLOPES		DIMENSIONS	
	1.5 : 1 or steeper	Top Width (ft.)	20
✓	1.5 : 1 through 3 : 1 Slope	Bottom Width (ft.)	6
	Flatter than 3 : 1	Depth (ft.)	10

FLOW

Is Water Flowing? YES NO

Is debris accumulating? (i.e. Leaves, Trash) YES NO

STATEMENT OF PROBLEM

(CHECK the boxes as needed, and CIRCLE the size of debris that applies)

DEBRIS	IN CHANNEL	ACROSS CHANNEL
Pine Trees		
Hardwoods	✓	✓
Shrubs		

SIZE OF DEBRIS: Light / Moderate / Heavy

BLOCKAGE — % of X-Section Obstructed: Less than 25% / 26%-50% / 51%-75% / 76%-100%

Other (explain)

WORK METHOD AND LOCATION

(CHECK the box that best applies)

	Within Channel Floating Equipment (i.e. Barge or Marsh Buggy)
	Within Channel Non - Floating Equipment (Excavator/Track-hoe, Spider, etc)
✓	From Top Banks

ACCESS TO SITE

(Explain access issues and possible difficulties)

Access From D. side of choice

chip/burn debris OK

Nearest Disposal site

~~12 mi S. on Turp Rd~~

8 mi NW on Hwy 110 on St Germaine