

Application for NCDA&CS Financial Assistance for Stream Debris Removal

Please provide the following information. Print or Type.

Applicant's Organization: Onslow County

Contact Name: Bill Norris County: Onslow

Mailing Address: Onslow Multipurpose Complex 4028 Richlands Hwy. Jacksonville, NC 28540

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Total Amount of Funding Requested (dollars): \$15,234.00 awarded by State 4/19/12

Total Estimated Project Cost (dollars): \$5,000.00 (county) + \$15,234.00 (state) = \$20,234.00

Impacted Stream/Drainage channel Name: (Use name on USGS Quad Sheet). Please attach good and clear map of stream/drainage (prefer 7.5" Quad Map):

White Oak River *Note: see attached listings & maps

Is the project subject to stream buffer requirements? Yes No

Description of damage resulting from natural disaster (include length of affected stream reach):

Storm damage resulting from Hurricane Irene *Note: see attachments

Description of economic, environmental, and social damages resulting from debris (include realistic \$ estimate of potential losses):

As requested by the State this revised application will reflect the work we could accomplish with the amount granted of \$15,234.00. The work will be directed toward the White Oak River. The section of the White Oak River will be from Gibson Bridge down to Gravelly Banch 11.23mi. The upper section of the White Oak River from Gibson Bridge to Hwy 17 campground and below Hwy 17 flooded during Irene resulting in home and property damage. This section of the White Oak River is also part of the Onslow County paddling trail that is traveled for sight seeing, fishing and tours. This section has guide services for kayak and canoe rentals and tours. At the present time the number of down trees has greatly reduced travel and diverted water flow.

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Please describe activities implemented within the last 2 years to maintain the stream/drainage channel system.

Last year Onslow County completed a 3 phase grant from Division of Water Resources Development Grant Program on debris and tree blockage totaling \$328,378.00. Onslow County is still operating under active permits for debris and tree removal. The Environmental Services Division of Vector Control is still working on debris and tree removal with very limited funding, equipment and man power.

Description of proposed actions to mitigate debris impact: Removal of dead trees (non-den trees) trees leaning greater than 45 degrees that could cause entire blockage, removal of overhangs and pinch points that could cause blockage build up.

Vector Control teams survey streams continuously. The County participates in the Federal Beaver Mgt. Program and the State Aquatic Weed Mgt. Program. Vector Control teams surveys paddling trails to try ensure safe passage to next location of take out points.

Estimated amount of debris to be managed: Approximately 70 to 100 down trees and approximately 1,000 lbs of debris in this White Oak River Section.

Description of method used to estimate total debris removal project cost (e.g., cost per foot of stream, cost per cu. Yd. of debris to remove):

Stream surveys have been conducted by Vector Control teams counting down trees and debris blockage by walking, paddling, motoring and wading. Estimated average cost per tree \$250.00 cost determined by tree diameter and length cost could increase due to tree size. Debris removal by weight some can be moved to the bank other items transported out by boat.

Description of easements, permissions, and permits required to implement the proposed action:

Onslow County Vector Control team is still working under active permits from the Army Corps of Engineers, Cama and the Fish and Wildlife commission. Easements and permission has been granted by land owners and by working on state waters.

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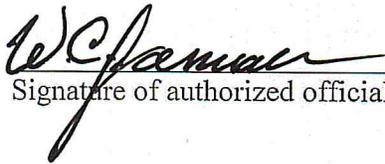
Description of any state or federally listed threatened or endangered species potentially adversely impacted by the proposed action and any strategies proposed to mitigate adverse impacts:

None

Please describe the applicant's experience administering previous stream debris removal projects (e.g., Emergency Watershed Protection Program):

I (Bill Norris) have worked over the past 12 years as an assessor to determine storm damage, contract inspector for the county, state and federal grants, county safety officer and for final inspection to determine that the job has been completed to meet all contract requirements and environmental concerns. I have worked for Programs such as EWP, Division of Water Resource Grant division, Onslow County, Army Corp. of Engineers and Marine Corp. on debris removal both with equipment and hand removal.

Please include other available documentation of affected area (FEMA floodplain maps, aerial photos, photos of stream channel, etc)



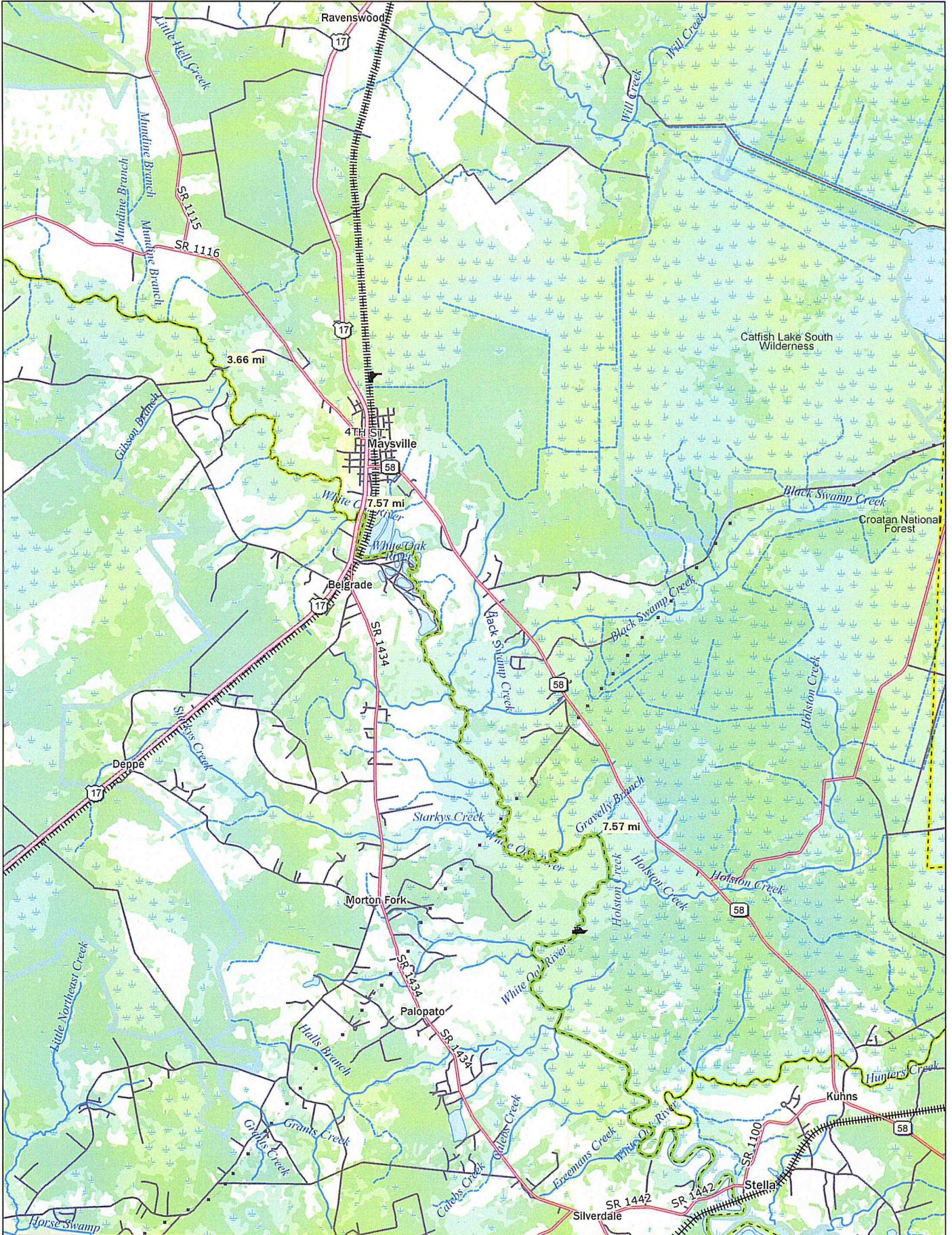
Signature of authorized official for Applicant

5-21-12

Date

By **March 16, 2012**, submit completed application by email, mail, or fax to:

David B Williams, Deputy Director
Division of Soil and Water Conservation
1614 Mail Service Center
Raleigh, NC 27699-1614
Phone: (919) 715-6103
Fax: (919) 715-3559
Email: David.B.Williams@ncagr.gov



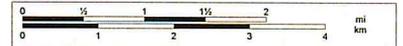
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Scale 1 : 100,000



1" = 1.58 mi Data Zoom 11-0