

APPENDIX G
CULTURAL RESOURCES REPORT

*A Submerged Cultural Resources Remote Sensing
Survey of Bogue Inlet, Carteret County,
North Carolina*

Submitted to:

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24 July 2003

Abstract

The Town of Emerald Isle is planning to dredge a new channel at Bogue Inlet. In order to determine the proposed project's impact on potentially significant submerged cultural resources, the consulting engineer, Coastal Planning & Engineering [CPE] of Boca Raton, Florida contracted with Tidewater Atlantic Research, Inc., [TAR] of Washington, North Carolina to conduct a systematic proton precession magnetometer and side scan sonar survey of the proposed channel as well as a section of the existing channel. The proposed remote sensing survey was designed to locate and identify submerged cultural resources in the study areas and generate sufficient data to make an initial assessment of each target's significance and provide insight into the necessity for avoidance. Prior to the fieldwork, a program of historical and documentary research was conducted to provide a proper framework for submerged cultural resource assessment in the Bogue Inlet area. Field research was conducted on 1 January and 6 June 2003. Analysis of the remote sensing data revealed a total of three magnetic anomalies: one in Area 1 and two in Area 2. Of those targets, only the anomaly within Area 1 exhibited signature characteristics consistent with submerged cultural resources. However, because on-site disturbance will consist of the deposit of dredge spoil, it appears that there will be no adverse impacts to the material generating the target signature. The two targets within Area 2 appear to have been generated by single ferrous objects such as crab traps, small diameter pipe, small boat anchor or other modern debris. Based on the remote sensing survey no submerged cultural resources will be impacted by the proposed project. No further investigation is recommended in conjunction with the proposed project.

Table of Contents

	Page
Abstract.....	i
Table of Contents	ii
List of Figures	iii
Introduction	1
Project Location.....	1
Research Methodology	2
Literature and Historical Research	2
Remote Sensing Survey.....	4
Data Analysis.....	5
Historical Background	5
Previous Investigations.....	12
Geophysical Research	13
Description of Findings	13
Conclusions and Recommendations	19
Bibliography	20
Appendix A: Known Shipwrecks Located in the Vicinity of Bogue Inlet, North Carolina	

List of Figures

	Page
Figure 1. Project location map, Bogue Inlet survey areas.....	3
Figure 2. 1775 Mouzon Map depicting anchorage area within Bogue Inlet.	7
Figure 3. Illustration of the Swansboro built steamer <i>Prometheus</i>	9
Figure 4. Magnetic contour map, Area 1.	14
Figure 5. Magnetic contour map, Area 2.	15
Figure 6. Magnetic signature, 1-01.	16
Figure 7. Magnetic signature, 2-01.....	17
Figure 8. Magnetic signature, 2-02.....	18

Introduction

The Town of Emerald Isle is planning to dredge a new channel at Bogue Inlet, Onslow County, North Carolina. To assess the proposed project's impact on submerged cultural resources, the consulting engineer, Coastal Planning & Engineering [CPE] of Boca Raton, Florida, contracted with Tidewater Atlantic Research Inc. [TAR], of Washington, North Carolina to conduct a remote sensing investigation of the proposed channel as well as a section of the existing channel.

The investigation was designed to provide accurate and reliable identification, assessment and remote sensing documentation of submerged cultural resources in the study area. The survey methodology was developed to comply with the criteria of National Historic Preservation Act of 1966 (Public Law 89-665), the National Environmental Policy Act of 1969 (Public Law 11-190), Executive Order 11593, the Advisory Council on Historic Preservation Procedures for the protection of historic and cultural properties (36 CFR Part 800) and the updated guidelines described in 36 CFR 64 and 36 CFR 66. The results of the investigation furnished CPE with the archaeological data required for complying with submerged cultural resource legislation and regulations.

Prior to the fieldwork, a program of historical and documentary research was conducted to provide a proper framework for submerged cultural resource assessment in the Bogue Inlet area. Field research was conducted on 1 January and 6 June 2003. Analysis of the remote sensing data revealed a total of three magnetic anomalies: one in Area 1 and two in Area 2. Of those targets, only the anomaly within Area 1 exhibited signature characteristics consistent with submerged cultural resources. However, because on-site disturbance will consist of the deposit of dredge spoil, it appears that there will be no adverse impacts to the material generating the target signature. The two targets within Area 2 appear to have been generated by single ferrous objects such as crab traps, small diameter pipe, small boat anchor or other modern debris. Based on the remote sensing survey no submerged cultural resources will be impacted by the proposed project. No further investigation is recommended in conjunction with the proposed project.

Project personnel consisted of Dr. Gordon P. Watts, Jr., principal investigator, archaeologists Raymond Tubby and Mark Padover and archaeological technician Gary Gaddy. Gordon Watts, Raymond Tubby and Mark Padover prepared the report for production.

Project Location

Bogue Inlet is located in Onslow County, North Carolina and is primarily fed by the White Oak River and Bogue Sound. The mouth of the inlet is located between Bogue Banks and Bear Island. The proposed project includes two survey areas. Bogue Area 1 is an rectangular shaped, 22.3 acre area in the

existing channel. This area is to be filled to seal off the old inlet and improve water flow through the newly created channel (Figure 1). Water depth in the survey area ranges between 0 and 20 feet. Coordinates for the study area in North Carolina State Plane, East Zone, NAD 83 are:

	Easting	Northing
A	2570095	332456
B	2571239	331830
C	2571013	331311
D	2569717	331611

Bogue Area 2 consists of an irregularly shaped, 89.5 acre area across the existing shoal that will be dredged to create the new inlet. Water depth in the survey area ranges between 0 and 20 feet. Coordinates for the study area in North Carolina State Plane, East Zone, NAD 83 are:

	Easting	Northing
A	2567685	334390
B	2568577	331754
C	2569071	330847
D	2569713	328953
E	2569736	328418
F	2570310	326727
G	2569931	326598
H	2569357	328289
I	2569050	328728
J	2568408	330622
K	2568249	331643
L	2567354	334278

Research Methodology

Literature and Historical Research

TAR personnel conducted a literature search of primary and secondary sources to assess the potential for finding significant historic and/or cultural resources at the proposed project site. Preliminary wreck specific information was collected from such secondary sources as: *The Encyclopedia of American Shipwrecks* (Berman 1972); *Merchant Steam Vessels of the United States 1790 - 1868* (Lytle and Holdcamper 1952); *Shipwrecks of the Civil War: The Encyclopedia of Union and Confederate Naval Losses* (Shomette 1973); *Shipwrecks in the Americas* (Marx 1983); *Shipwreck Encyclopedia of The Civil War: North Carolina, 1861-1865* (Spence 1991) and other published materials. Additional information was also generated by a survey of selected North Carolina newspapers and the Wreck Information List of the U. S. Hydrographic Office.