

**Catawba-Wateree Hydro Project (FERC No. 2232)
Study Plan**

Study Plan Name: Mulberry Site Assessment

Study Plan Designation: Cultural 03

Study Short Description: Assess the effects of project operations on the Mulberry Site

Applicable Hydro Projects/Developments: Wateree

Prerequisite Study Designation: N/A

I. Study Objective

Assess the impacts of current, historic and projected future project operations on the Mulberry Site (38KE12) relative to other natural and human-induced impacts affecting the site.

II. Basis

FERC requires applicants to address historic properties in Exhibit E of the license application (18CFR4.51.f.4). Requirements for consideration of cultural resources are further spelled out in the implementing regulations of Section 106 of the National Historic Preservation Act (36 CFR Part 800).

III. Geographic and Temporal Scope

The study will encompass the Mulberry site and areas immediately upstream and downstream of the site. In addition, a qualitative assessment of the integrity of the Boykin site and project associated impacts will be conducted concurrent with the Mulberry site evaluation. Work will begin in early 2004 and be completed by September, 2004.

IV. Summary of Existing Data

The Mulberry site has been studied since the late 1800's. Numerous study reports describing these studies and the results of the studies are available through the SC Department of Archives and History as well as the SC Institute of Archaeology and Anthropology. Limited information is available for the Boykin site.

V. Methodology

Duke Power will utilize a qualified cultural resources consultant and geomorphologist selected by Duke Power to conduct the study. RC members and study team members will be invited to provide comments on the proposal prepared by the consultant selected by Duke Power to complete this study. No cost data will be provided to RC members.

The study will include the following components:

- A literature review of previous evaluations of site integrity and natural and human-induced impacts to the site.
- Evaluation of current and historical aerial photography to assess stream channel alterations adjacent to the site.

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- On-site evaluation of current activities affecting the site. This includes natural and human-induced processes. Natural processes may include rainfall events, normal stream flow alterations and other processes. Human-induced processes may include artifact collecting, land use practices and stream flow changes resulting from operation of Wateree Hydro.

The qualitative assessment of the Boykin site will attempt only to determine if it is experiencing similar impacts as the Mulberry site.

NOTE: Both sites are located on private property. Implementation of this study is contingent upon the cooperation of the land owners. If the land owners and Duke Power are unable to agree upon either access rights or the study methodology, Duke Power may alter the scope of its efforts accordingly. If this becomes necessary, Duke Power will notify both the RC and study team members of the scope of such changes.

The contracting process will be facilitated by Duke Power's primary technical consultant Devine, Tarbell & Associates, Inc.

VI. Schedules and Required Conditions

All work will be initiated as soon as a consultant has been selected. This is anticipated to occur no later than January, 2004.

VII. Use of Study Results

Depending upon the results, the study may lead to the identification of activities to mitigate any project-associated impacts.

VIII. Study Participants

	<u>Name</u>	<u>Organization</u>	<u>Phone #</u>	<u>E-Mail</u>
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