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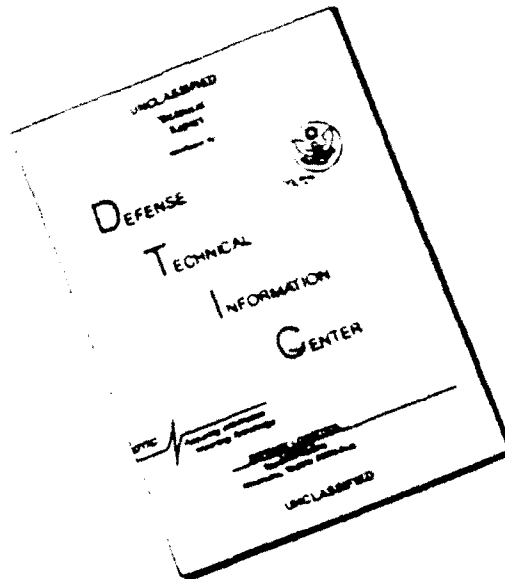
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A Cultural Resources Survey of the
Borrow Area Item L-707-R,
DeSoto County, Mississippi
A Negative Finding Report

U. S. Army Corps of Engineers
Memphis District

Jimmy McNeil

May 1988

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Abstract

On 15 April, 1988, an intensive survey of a proposed borrow area near Walls, Mississippi was conducted by the Environmental Analysis Branch of the U. S. Army Corps of Engineers; Memphis District Staff Archeologist, Mr. Jimmy McNeil and Mr. Doug Prescott, conducted the survey.

The project is located in Township 3N, Range 10W, Section 21 SE 1/4 of the SE 1/4 of the Horseshoe Lake, Mississippi-Tennessee-Arkansas Quadrangle map, DeSoto County, Mississippi.

The proposed work includes removal of fill materials from a designated borrow area, and placing the fill in levee slides. All fill materials will be transported over existing roads.

A pedestrian survey of the borrow area failed to locate any prehistoric, historic, or architectural sites within the project right-of-way.

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Photo 1	Aerial Photo of the Project Area

Introduction

An intensive survey for cultural resources was conducted by Memphis District archeologists on 15 April 1988, within the proposed project right-of-way of the Item L-707-R Borrow Area as directed by the U. S. Army Corps of Engineers, Memphis District. This study was performed as required by the National Environmental Policy Act of 1968 (Public Law 91-190), Protection and Enhancement of Cultural Historic and Cultural Properties (36 CFR 800), and the National Historic Preservation Act of 1966 (Public Law 893-665).

Project Description

The project area is located in DeSoto County, Mississippi, Township 3N, Range 10W, Section 21 SE 1/4 of SE 1/4 of the Horseshoe Lake Mississippi-Tennessee. Arkansas Quadrangle. One small slide area of the levee requires repairs. An area, approximately .92 acres in size, has been designated for borrow. The borrow area is between two existing borrow areas. The borrow materials will be placed in the levee slide area. All materials will be transported over existing roads. The attached map (Map 1) and aerial photograph (Photo 1) depict the location of the project.

Environmental Setting

This area is located within the Humid Continental Climate zone, which is noted for its hot summers and mild winters. Average annual precipitation is 49.7 inches (126 centimeters) of which approximately 10% is snowfall (Commonwealth 1981).

Located adjacent to of the Mississippi River. The basic geologic history is of recent build-up. The uplands are capped with loess in thicknesses ranging from 3-30.5 meters. However, the floodplains are filled with up to 9 meters of recent alluvium.

Most of the area surrounding Horn Lake is in cultivation. Some trees and swampy areas remain near ditches and the levee. Most of these trees fall into the oak-hickory, elm-ash and gum-cottonwood-cypress catagories (COE 1973:10).

Fauna of the region includes deer, raccoon, opossum, squirrel and various birds and reptiles (COE 1975).

Previous Research

The major research conducted in the area of this survey was performed by Phillips, Ford and Griffin (1951). Later, 1949-1955, Phillips (1970) surveyed the Lower Yazoo River Basin. The Walls Site (Walls phase type site)

was first described by Brown (1926) and later tested by Phillips, Ford and Griffin (1951).

The Nonconnah Creek Basin has been unsystematically surveyed by Dr. Gerald Smith (1971) since the early 1960's. A reconnaissance type survey was conducted by Gilbert/Commonwealth Associates (1981) of the Memphis Metropolitan Area.

Results of the Records Search

A search of the Mississippi Records File was not conducted because (1) of the areas small size; and (2) the fact that the area has been previously disturbed. However, the National Register of Historic Places was consulted and no sites were listed within the project area.

Survey Methodology and Results

The survey conducted on 15 April 1988, consisted of walking over the area available for borrow. This was in trees, thus shovel cuts were excavated every 30 meters. No artifacts, stains, or other cultural resource indicators were found in the borrow area.

Recommendations

As no cultural remains or indicators were found within the borrow area, and all non-borrow work and transportation will be conducted on the levee and existing roads, it is recommended that construction be allowed to proceed as planned.

The survey methodology used does not eliminate the possibility of encountering deeply buried sites. Therefore, it is recommended that any site encountered during construction be protected from further damage by stopping construction until its significance can be determined by the Environmental Resource Branch, Memphis District, U. S. Corps of Engineers in conjunction with the Office of Mississippi Division of Historic Preservation.

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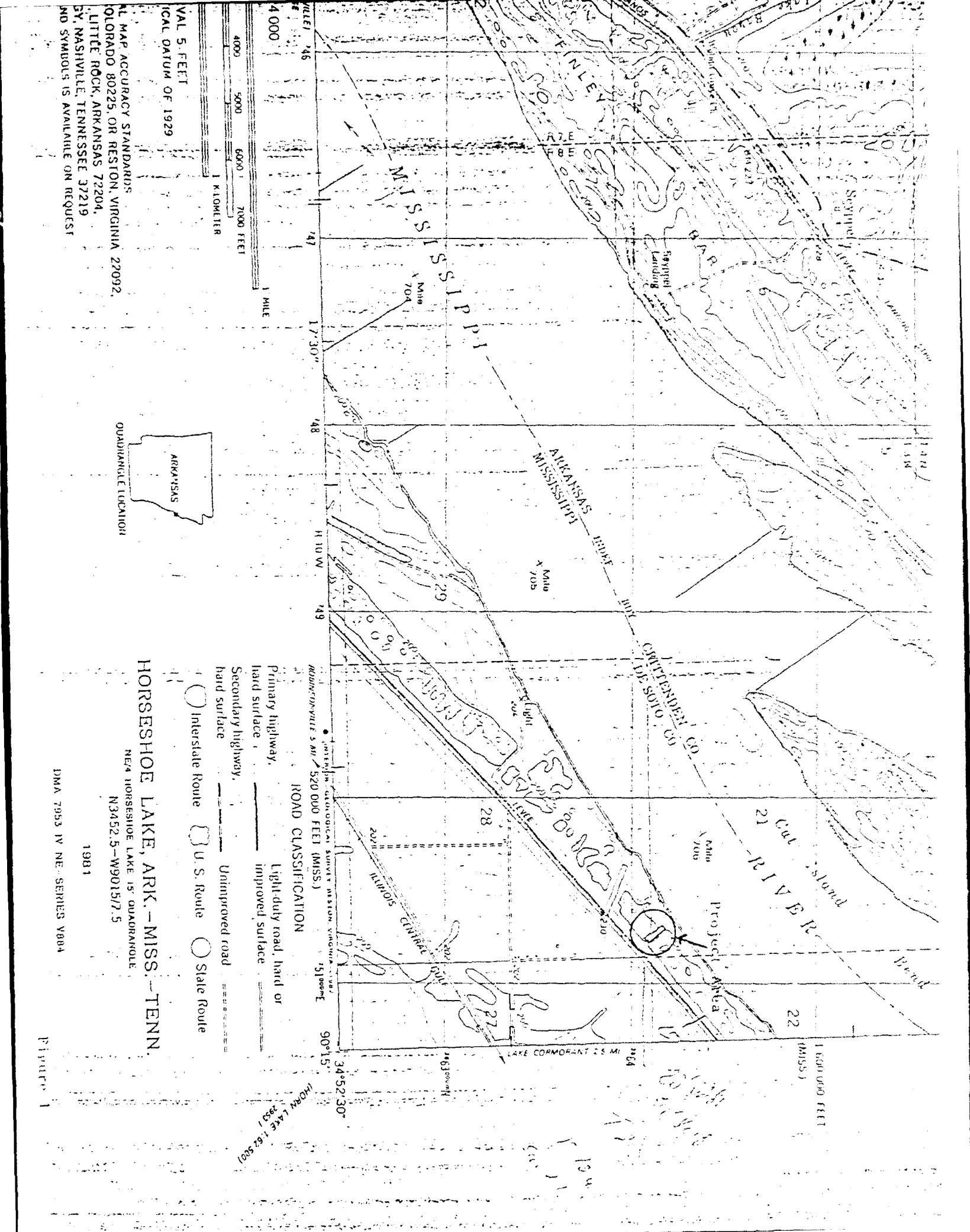
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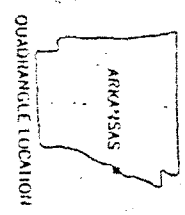
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MAP ACCURACY STANDARDS
COLORADO 80225, OR RESTON, VIRGINIA 22092,
LITTLE ROCK, ARKANSAS 72204,
BY NASHVILLE, TENNESSEE 37219
AND SYMBOLS IS AVAILABLE ON REQUEST



HORSESHOE LAKE, ARK.-MISS.-TENN.
NE 1/4 HORSESHOE LAKE 15' QUADRANGLE
N3452.5-W9015.7.5
1981

ROAD CLASSIFICATION
Primary highway, hard surface
Secondary highway, hard surface
Unimproved road
Interstate Route
U. S. Route
State Route

ROADS TO BE 5 MI / 520 000 FEET (MISS.)
90°15'
34°52'30"

LAKE CORMORANT 2.5 MI
16300000

MISSISSIPPI RIVER
CUT Island
RIVER

CHITTENDEN CO. DE SOTO CO.
Project Area

22 (MISS.)
1 600 000 FEET

28
20211
20211
20211

20211
20211
20211

MISSISSIPPI

PJT "B"

14/42+43

Material shall be obtained within 100' of top of River Bank

REVELTMENT

AVAILABLE FOR BORROW

Old levee shall be utilized obtain to the natural ground surface between these limits

Old levee shall be utilized to elev 2000 between these limits

SLIDE

EXISTING

EXISTING

PROPOSED BORROW

PIT

PROPOSED BORROW

PIT

PROPOSED BORROW

PIT

PROPOSED BORROW

PIT

PROPOSED BORROW

PIT

PROPOSED BORROW

PIT

SECTION SHOWING PI SCALE

Variable cross Slope

Existing levee

LANDSIDE

125'

125'

DESOTO

141

220

210

200 35+00

56+07 14/57+32 15/0

SEC 27

17+40

18+20

SURVEY AREA

PROPOSED BORROW

PIT

PROPOSED BORROW

PIT

PROPOSED BORROW

PIT

PROPOSED BORROW

PIT

PROPOSED BORROW

210

R/I

IT