

20001026238

AD-A262 652



TATION PAGE

Form Approved
OMB No 0704-0188

This is a microfiche reproduction of a report prepared by the National Technical Information Administration (NTIS) under contract to the Department of Defense. The report was prepared by the National Technical Information Administration (NTIS) under contract to the Department of Defense. The report was prepared by the National Technical Information Administration (NTIS) under contract to the Department of Defense.

1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE March 1987		3. REPORT TYPE AND DATES COVERED Final	
4. TITLE AND SUBTITLE A Negative Impact Report of a Cultural Resources Survey of Item No. R-945.8, Scour Repair, Mississippi County, Missouri				5. FUNDING NUMBERS 96X3112	
6. AUTHOR(S) Jimmy D. McNeil					
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) In House				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) Dept. of the Army Memphis District Corps of Engineers B-202 Clifford Davis Federal Bldg. Memphis, TN 38103				10. SPONSORING / MONITORING AGENCY REPORT NUMBER 170	
11. SUPPLEMENTARY NOTES					
12a. DISTRIBUTION / AVAILABILITY STATEMENT Unlimited				12b. DISTRIBUTION CODE	
DTIC SELECT APR 06 1993 S B D					
13. ABSTRACT (Maximum 200 words) An intensive cultural resources survey was conducted over approximately 1.8 acres. A pedestrian survey failed to locate any prehistoric, historic, or architectural sites within the project right-of-way. DISTRIBUTION STATEMENT A Approved for public release; Distribution Unlimited 98 4 05 019 410571 93-07036					
14. SUBJECT TERMS				15. NUMBER OF PAGES 8	
				16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT		18. SECURITY CLASSIFICATION OF THIS PAGE		19. SECURITY CLASSIFICATION OF ABSTRACT	
				20. LIMITATION OF ABSTRACT	

GENERAL INSTRUCTIONS FOR COMPLETING SF 298

The Report Documentation Page (RDP) is used in announcing and cataloging reports. It is important that this information be consistent with the rest of the report, particularly the cover and title page. Instructions for filling in each block of the form follow. It is important to *stay within the lines* to meet optical scanning requirements.

Block 1. Agency Use Only (Leave blank).

Block 2. Report Date. Full publication date including day, month, and year, if available (e.g. 1 Jan 88). Must cite at least the year.

Block 3. Type of Report and Dates Covered. State whether report is interim, final, etc. If applicable, enter inclusive report dates (e.g. 10 Jun 87 - 30 Jun 88).

Block 4. Title and Subtitle. A title is taken from the part of the report that provides the most meaningful and complete information. When a report is prepared in more than one volume, repeat the primary title, add volume number, and include subtitle for the specific volume. On classified documents enter the title classification in parentheses.

Block 5. Funding Numbers. To include contract and grant numbers; may include program element number(s), project number(s), task number(s), and work unit number(s). Use the following labels:

C - Contract	PR - Project
G - Grant	TA - Task
PE - Program Element	WU - Work Unit Accession No.

Block 6. Author(s). Name(s) of person(s) responsible for writing the report, performing the research, or credited with the content of the report. If editor or compiler, this should follow the name(s).

Block 7. Performing Organization Name(s) and Address(es). Self-explanatory.

Block 8. Performing Organization Report Number. Enter the unique alphanumeric report number(s) assigned by the organization performing the report.

Block 9. Sponsoring/Monitoring Agency Name(s) and Address(es). Self-explanatory.

Block 10. Sponsoring/Monitoring Agency Report Number. (If known)

Block 11. Supplementary Notes. Enter information not included elsewhere such as: Prepared in cooperation with...; Trans. of...; To be published in... When a report is revised, include a statement whether the new report supersedes or supplements the older report.

Block 12a. Distribution/Availability Statement

Denotes public availability or limitations. Cite any availability to the public. Enter additional limitations or special markings in all capitals (e.g. NOFORN, REL, ITAR).

DOD - See DoDD 5230.24, "Distribution Statements on Technical Documents."
DOE - See authorities.
NASA - See Handbook NHB 2200.2.
NTIS - Leave blank.

Block 12b. Distribution Code.

DOD - Leave blank.
DOE - Enter DOE distribution categories from the Standard Distribution for Unclassified Scientific and Technical Reports.
NASA - Leave blank.
NTIS - Leave blank.

Block 13. Abstract. Include a brief (Maximum 200 words) factual summary of the most significant information contained in the report.

Block 14. Subject Terms. Keywords or phrases identifying major subjects in the report.

Block 15. Number of Pages. Enter the total number of pages.

Block 16. Price Code. Enter appropriate price code (NTIS only).

Blocks 17. - 19. Security Classifications. Self-explanatory. Enter U.S. Security Classification in accordance with U.S. Security Regulations (i.e., UNCLASSIFIED). If form contains classified information, stamp classification on the top and bottom of the page.

Block 20. Limitation of Abstract. This block must be completed to assign a limitation to the abstract. Enter either UL (unlimited) or SAR (same as report). An entry in this block is necessary if the abstract is to be limited. If blank, the abstract is assumed to be unlimited.

A NEGATIVE IMPACT REPORT OF A CULTURAL RESOURCES SURVEY OF
ITEM NO. R-945.8, SCOUR REPAIR,
MISSISSIPPI COUNTY, PEAFIELD, MISSOURI

U.S. Army Corps of Engineers
Memphis District

Jimmy D. McNeil
Staff Archeologist

March 1987

ABSTRACT

On 24 February 1987, an intensive cultural resources survey was conducted by the Environmental Analysis Branch of the U.S. Army Corps of Engineers, Memphis District, over approximately 1.8 acres. The project is located in Mississippi County, Missouri, Township 26N, Range 1W, SE 1/4 of the NE 1/4 of Section 19 of the Wickliffe Quadrangle. The proposed project includes repairing a scour area. A pedestrian survey failed to locate any prehistoric, historic, or architectural sites within the project right-of-way.

Accession For	
NTIS GRA&I	☒
DTIC TAB	☐
Unannounced	☐
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

TABLE OF CONTENTS

Abstract	i
Table of Contents	ii
List of Figures	ii
Introduction	1
Study Area and Project Description	1
Environmental Setting	2
Previous Research	3
Results of the Records Search	3
Survey Methodology and Results	3
Conclusions	4
Bibliography	5

List of Figures

Figure 1	General Survey Area
Figure 2	Drawing of the Project Area
Figure 3	Watershed Map

INTRODUCTION

An intensive survey for cultural resources was conducted by Memphis District Archeologists, Mr. Jimmy McNeil and Mr. Doug Prescott on 24 February 1987, within the Peafield Levee Scour failure project right-of-way. The total project includes approximately 1.8 acres. The survey consisted of visual inspection of the exposed scour area and the exposed ground surface. No cultural resources was located within the project right-of-way. The pedestrian survey of this area is in accordance with requirements outlined in the National Historic Preservation Act of 1966 (Public Law 89-665) and recommended to the National Environmental Policy Act of 1969 (Public Law 91-190)

Study Area and Project Description

The project is located in Mississippi County, Missouri, Township 26N, Range 1W, SE 1/4, NE 1/4 of Section 19 of the Wickliffe Quadrangle (Figure 1).

Waters released from the floodgates have eroded the existing revetment (Figure 2). The erosion has been caused by use of the pumping station and associated floodgates. In some places the erosion has occurred to a depth of greater than 1 meter below the existing top soil. The vertical profile showed that the area is fill materials. This area was filled and built up when the pumping station and floodgate was installed.

The area beside and behind the failure was plowed and had been rained on. This area was looked but no cultural items were found.

The proposed maintenance action includes lightly grading the failure bank to a stable incline and then covering the scour area with riprap. All equipment will be brought in over existing roads and across existing levees and berms. All work will be conducted from/on the existing levee and berms. Project right-of-way will extend 100 feet either side of the existing damaged area.

Environmental Setting

The project is located within the Mississippi Alluvial lowland of southeast Missouri which is the Mississippi Embayment of the Gulf Coast plain physiographic province (Steiermark 1963:xvi). The area is at the edge of an alluvial plain between Crowley's Ridge on the west and Sikeston Ridge to the east.

Today there are no large areas of woodlands remaining the area; however, there are scattered trees along roads and ditches. The trees are predominantly oak, elm, and sycamore.

Fauna present today includes racoon, fox, gray squirrel, fox squirrel and opossum. A large population of reptiles, amphibians, fish and birds are also found in the area.

Previous Research

Until recently, very little archaeological work has been conducted in the general area of this survey, and no work has been conducted in the immediate project area. Recent work within Mississippi County has been conducted by Chapman (1955), LeeDecker (1978), Spier (1955), and Williams (1964).

Results of the Records Search

As the area was so small no records search was conducted.

Survey Methodology and Results

The designated maintenance area right-of-way is approximately 1.8 acres in size. The entire area had been disturbed when the levee was originally built. The survey area extended a minimum of 100 feet on all sides of the existing damaged area. The vertical profile of the erosional feature was carefully checked for cultural traces and indicators. None were found. The non-eroded areas was walked over and visually checked. The plowed field that parallels parts of the right-of-way was visually checked. No cultural artifacts were found. The failure profile was checked for signs of cultural deposits, none were found. The failure profile exhibited mixed materials, indicating that it was all fill materials.

Conclusions

Based on an in-field cultural resources survey, no evidence of significant prehistoric, historic, or architectural resources exists within the direct impact zone of the proposed maintenance work.

Bibliography

Chapman, Carl H. and Leo O. Anderson

- 1955 The Campbell Site, A Late Mississippian Town Site and
Cemetery in Southeast Missouri, The Missouri
Archeologist, 17:2 and 3

LeeDecker, Charles H. et. al.

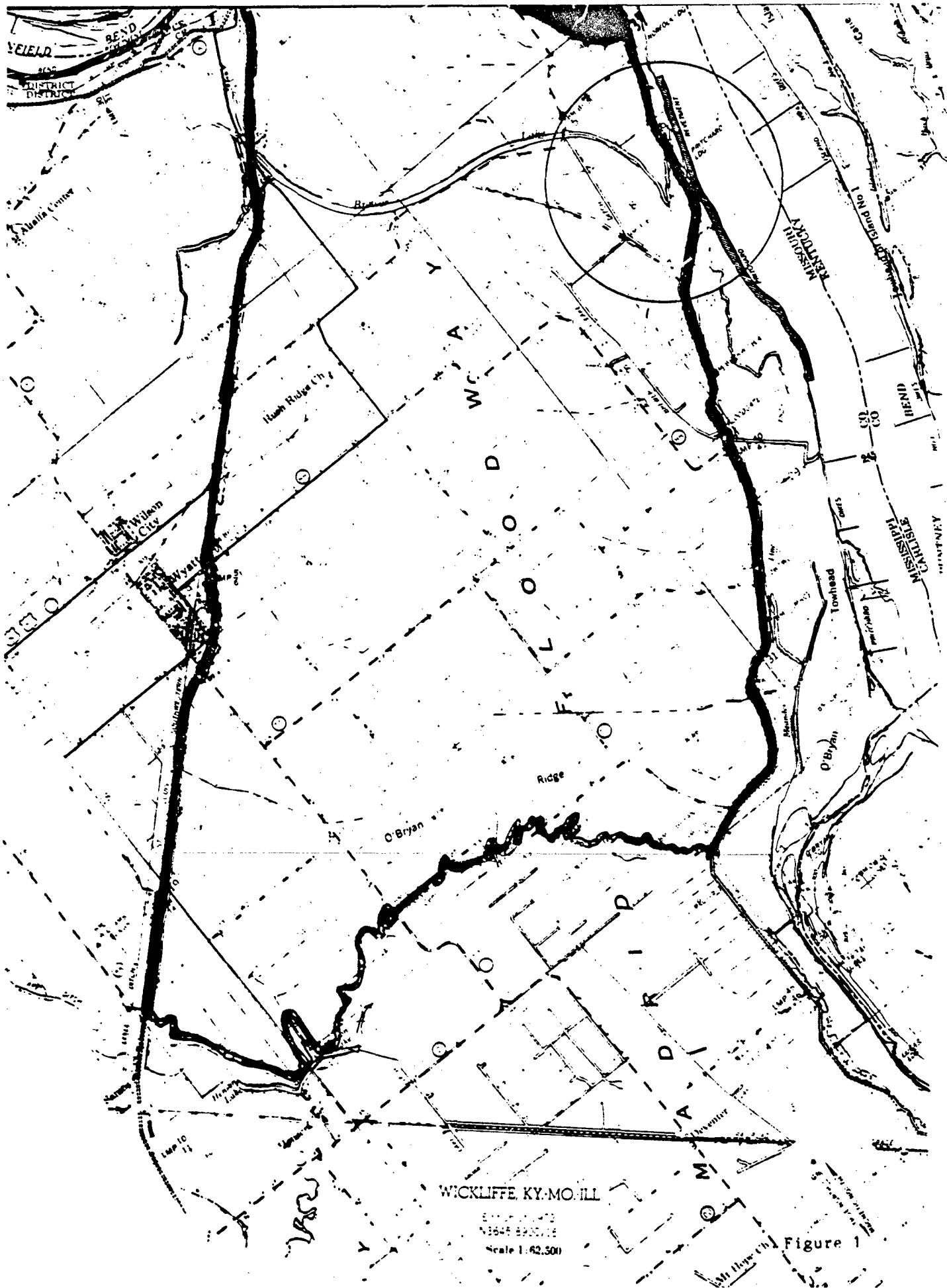
- 1978 A Reconnaissance Level Report of the Belle Fountain
Ditch and Tributaries Project, Mississippi County,
Arkansas, and Dunklin and Pemiscot Counties, Missouri,
1978, Iroquoise Research Institute. Prepared for the
U.S. Army Corps of Engineers, Memphis District, Memphis,
Tennessee.

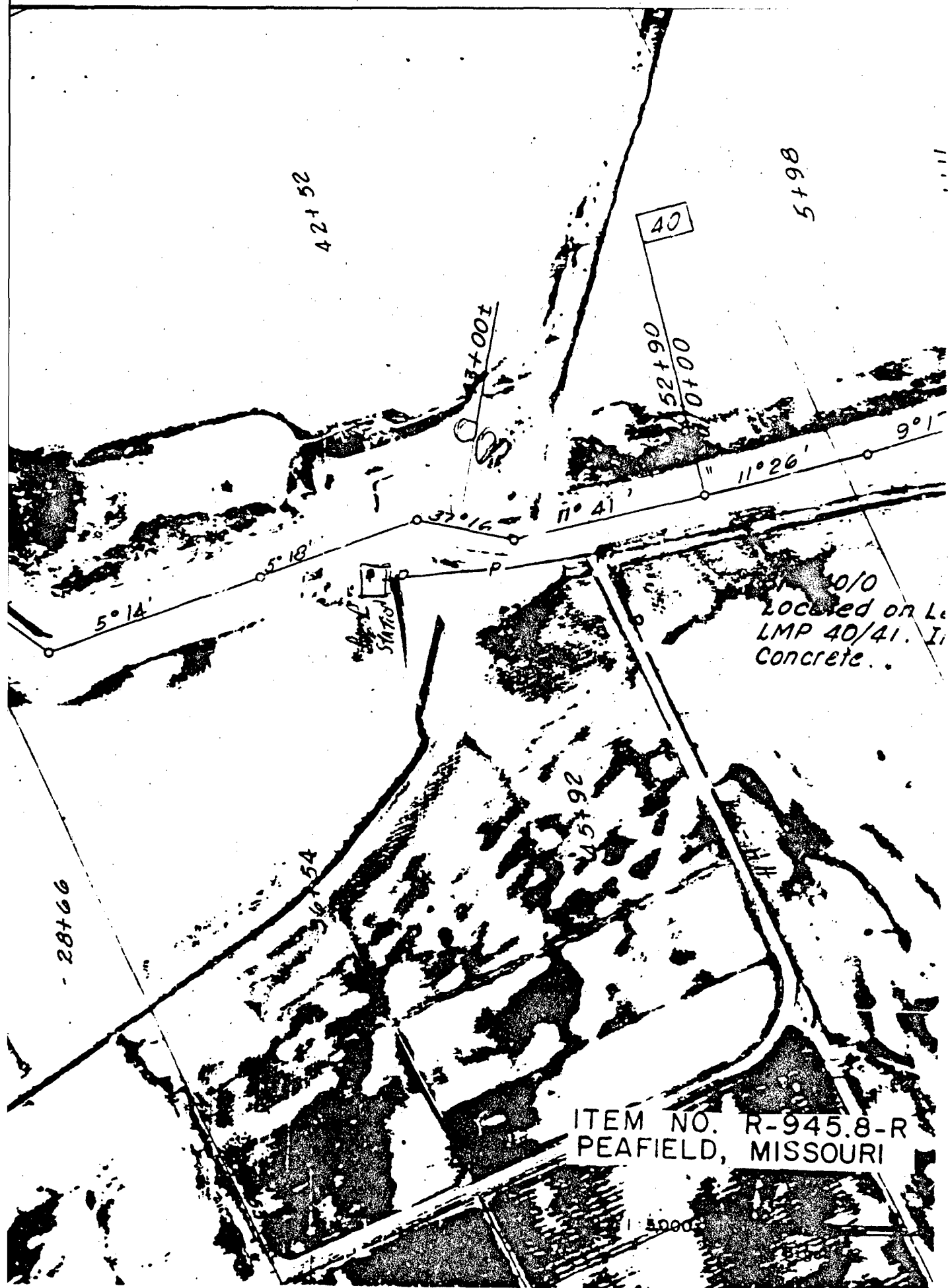
Spier, Robert F. G.

- 1955 Skeleton Remains from the Campbell Site, The Missouri
Archeologist, 17:2 and 3

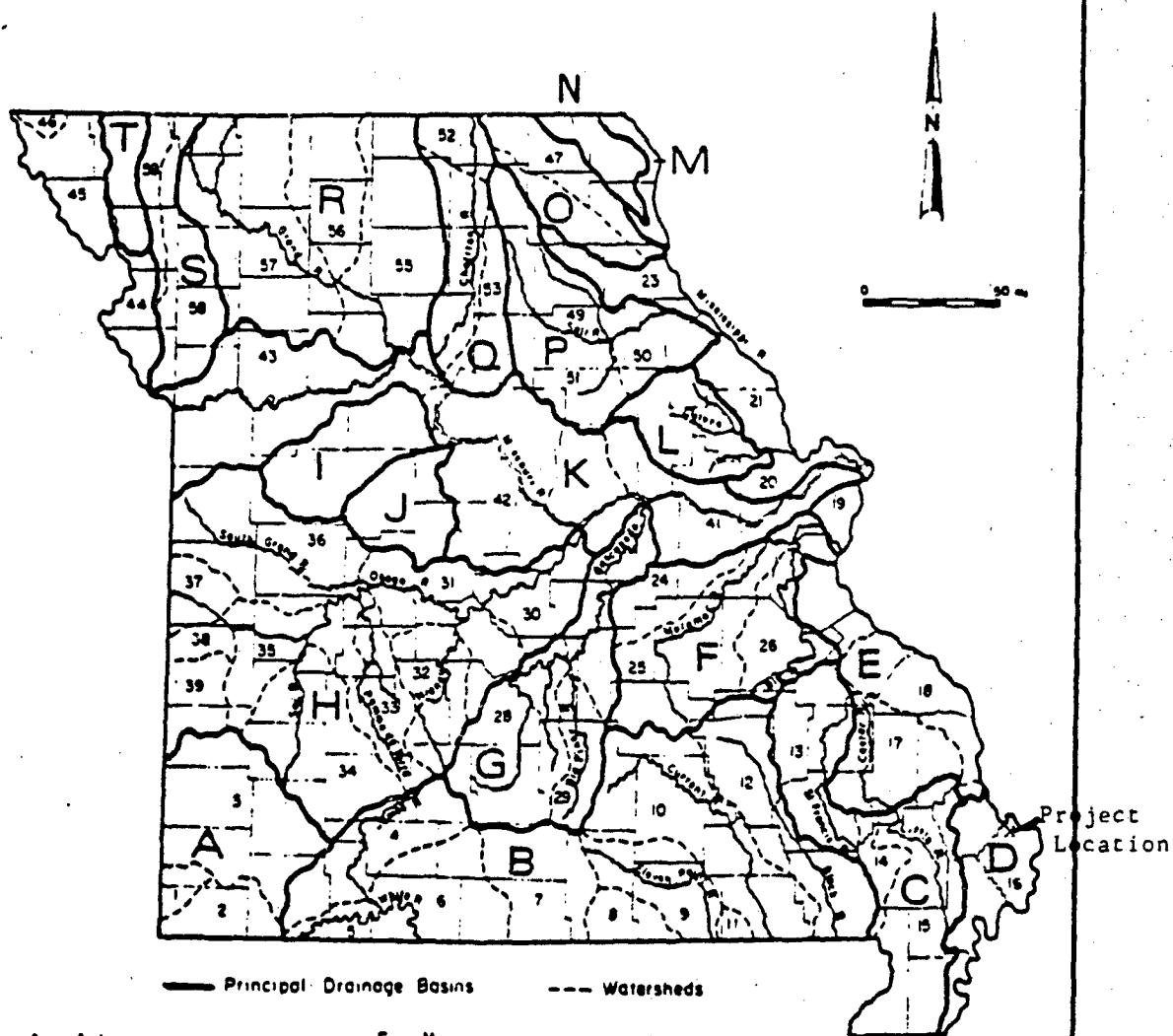
Williams, J. Raymond

- 1964 A Study of Fortified Indian Villages in S. E. Missouri.
Prepared for the National Park Service.





ITEM NO. R-945.8-R
PEAFIELD, MISSOURI



- | | | |
|-----------------------------|------------------------|------------------------|
| A. Arkansas | F. Meramec | L. Cuivre |
| 1. Lost Creek | 24. Bourbeuse | M. Des Moines |
| 2. Elk | 25. Meramec | N. Wyaconda/Fox |
| 3. Spring | 26. Big Piney | O. Fabius |
| B. White | G. Gasconade | 47. North Fabius |
| 4. James | 27. Lower Gasconade | 48. South Fabius |
| 5. Table Rock | 28. Upper Gasconade | P. Salt |
| 6. White | 29. Big Piney | 49. North Fork |
| 7. North Fork | H. Osage | 50. Salt 1 |
| 8. Spring | 30. Lower Osage | 51. Salt 2 |
| 9. Eleven Point | 31. Lake of the Ozarks | Q. Chariton |
| 10. Current | 32. Niangua | 52. Upper Chariton |
| 11. Fourche Creek | 33. Pomme de Terre | 53. Lower Chariton |
| 12. Black | 34. Sac | 54. Middle/East Fork |
| C. St. Francis | 35. Upper Osage | R. Grand |
| 13. Upper St. Francis | 36. South Grand | 55. Grand 1 |
| 14. Lower St. Francis | 37. Marais des Cygnes | 56. Thompson |
| 15. Little River | 38. Little Osage | 57. Grand 2 |
| D. Lower Mississippi | 39. Marmaton | S. Platte |
| 16. Lower Mississippi | I. Blackwater | 58. Platte |
| E. Upper Mississippi | J. Lamine | 59. One Hundred & Two |
| 17. Whitewater/Castor | K. Missouri | T. Nodaway |
| 18. Mississippi 1 | 41. Missouri 1 | |
| 19. Mississippi 2 | 42. Missouri 2 | |
| 20. Mississippi 3 | 43. Missouri 3 | |
| 21. Mississippi 4 | 44. Missouri 4 | |
| 22. Mississippi 5 | 45. Missouri 5 | |
| 23. North River | 46. Nishnabotna | |

Figure 3