

APPENDIX E
CORRESPONDENCE



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
ROCK ISLAND DISTRICT, CORPS OF ENGINEERS
CLOCK TOWER BUILDING — P.O. BOX 2004
ROCK ISLAND, ILLINOIS 61204-2004

June 1, 1999

Planning, Programs, and
Project Management Division

SEE DISTRIBUTION LIST

The Rock Island District of the U.S. Army Corps of Engineers (Corps) is currently formulating plans for the Pleasant Creek Wildlife Area Habitat Rehabilitation and Enhancement Project (HREP) (see enclosed Plate 1).

The Corps has worked closely with the U.S. Fish and Wildlife Service (USFWS) and the Iowa Department of Natural Resources (IADNR) to evaluate possible features for the project. The features being considered are described as follows (see enclosed Plates 2-4 for feature locations):

- a. Moist Soil Management Unit (MSMU) - This is the major project feature. The MSMU would be created in the northwest corner of the wildlife area. The MSMU would be flooded in the spring, drained and remain dry in the summer to allow vegetation to establish, and flooded again in the fall.
- b. Mast Tree Plantings - No specific areas have been designated for plantings yet.
- c. Third Spillway Construction - The USFWS has expressed a need for a third spillway along Harris Slough, just upstream of stoplog structures 2 and 5. This would allow the upper lakes to drain more quickly during periods of high water.
- d. Water Control Plan - The Pleasant Creek Wildlife Area is located at a critical point in the Mississippi River. It is unclear how the water flows through the upper and lower lakes. A Water Control Plan, developed through hydraulic modeling, would enable the USFWS to better manage the area.
- e. Repair Area of Erosion - An area near the Pleasant Creek Light and Daymark at approximate River Mile 551.0 has been subjected to erosion over the past few years. This area would be protected with riprap to protect the existing low-level levee.
- f. Trash Rack - The USFWS has proposed a trash rack structure in front of stoplog structures 2 and 5 to keep debris (dead trees) from reaching Harris Slough.

Enclosure 2. Planning, Programs, and Project Management Division letter dated June 1, 1999 (text only, enclosures outdated—see maps at Enclosure 1a-c. above).

A Detailed Project Report with integrated Environmental Assessment is being prepared by the Corps' Rock Island District for distribution in mid-summer 1999. At this time we ask that you provide, within 15 days of the date of this letter, any comments regarding significant resources which might be impacted by the proposed actions.

If you have any questions or require additional information, please call Ms. Erika Mark of our Environmental Analysis Branch, telephone 309/794-5171.

Sincerely,

ORIGINAL SIGNED BY

Leo F. Foley, P.E.
Project Manager

Enclosures



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
ROCK ISLAND DISTRICT, CORPS OF ENGINEERS
CLOCK TOWER BUILDING - P.O. BOX 2004
ROCK ISLAND, ILLINOIS 61204-2004

August 4, 1999

Planning, Programs, and
Project Management Division (1145)

SEE DISTRIBUTION LIST

The Rock Island District of the U.S. Army Corps of Engineers (Corps) is formulating plans for work at the Pleasant Creek Wildlife Area Habitat Rehabilitation and Enhancement Project located in Jackson County, Iowa. Please see the maps at Enclosure 1a-d.

Federal Undertaking

The Corps finds this undertaking has both the potential to cause effects on historic properties and no potential to cause effects [36 CFR 800.3(a)] as well as having no historic properties affected [36 CFR 800.4(d)(1)]. The details are presented below.

The Corps has determined that, for purposes of Section 106 of the National Historic Preservation Act [see 36 CFR 800.3(a) and 800.16(y)], the Federal "undertaking" which has the potential to cause effects on historic properties is limited to the actions described in paragraphs a and b of the June 1, 1999, Corps letter found at Enclosure 2, plus installation of a well and its electrical service that was not included in this letter. This includes portions of the Proposed Moist Soil Management Unit (MSMU), two Potential Borrow Areas (one outside and one inside the MSMU) associated with the MSMU, the Mast Tree Planting Area (MTPA), and the well and its electrical service.

Actions described in paragraphs c, e, and f of the June 1, 1999, Corps letter have no potential to cause effects to historic properties because they all take place within existing fill material used for levee construction (c and e) or take place in Harris Slough, a recently abandoned channel, where disturbance will be limited to deep deposits of recent alluvium in the slough bottom(f).

The Water Control Plan (WCP) described in paragraph d of the June 1 letter is an undertaking with no potential to cause effects on historic properties, because no new structures will be built to implement the plan. The WCP will consider only manipulations of existing structures to optimize their functioning. However, should new structures be proposed at any time under the WCP, separate Section 106 coordination will be initiated at that time.

The well is located in a previously surveyed area (Benn *et al.* 1989:4.10) north of archaeological sites 13JK139 and 140 (Benn *et al.* 1989:Figure 4.11) which were found ineligible for inclusion in the National Register of Historic Places (Staeck and White 1995:17). The electrical service will be in the middle of the existing road. Based on these facts, no historic properties are affected by the well and its electrical service.

Consulting Parties

The Corps finds the following organizations entitled to be consulting parties as set out in 36 CFR 800.2 and invites them by copy of this letter to participate in the Section 106 process:

- Iowa Governor's Liaison for Indian Affairs,
- Iowa Historic Preservation Office (SHPO),
- Iowa Tribe of Kansas and Nebraska,
- Iowa Tribe of Oklahoma,
- Jackson County Board of Supervisors,
- Jackson County Historical Society,
- Office of the State Archaeologist Indian Advisory Committee,
- Otoe-Missouria Tribal Council,
- Sac and Fox Nation of Oklahoma,
- Sac and Fox Nation of the Mississippi in Iowa, and
- Sac and Fox Nation of the Missouri in Kansas and Nebraska.

Tribes were identified through use of the Native American Tribal Contact List for Iowa furnished by the State Historical Society of Iowa and other sources.

Area of Potential Effects

The **area of potential effects (APE)** [reference 36 CFR 800.15(d); 36 CFR 800.4(a)(1); and 36 CFR 800.4(c)] is not on tribal lands and includes:

- A Moist Soil Management Unit (MSMU) with land leveling down to elevation 591 in the old agricultural fields shown by the cross-hatched areas on Enclosures 1a-b. This land leveling constitutes one of the Potential Borrow Areas;
- Two Potential Borrow Areas where one is within the MSMU as noted above, and the other is west of the MSMU in a remnant channel scour; and,
- A Mast Tree Planting Area (MTPA).

SHPO Invitation

The Corps invites the SHPO to:

- Identify any other consulting parties as per 36 CFR 800.3(f);
- Comment as per 36 CFR 800.2(d)(3) on the Corps' plan to involve the public by utilizing the Corps' normal procedures for public involvement under the National Environmental Policy Act;
- Agree in the Corps' decision that it is appropriate to address multiple steps in 36 CFR 800.3-800.6, as provided at 36 CFR 800.3(g); and,
- Comment on or contribute to identification efforts including definition of the APE, all as per 36 CFR 800.4(a-b).

Identification of Historic Properties

Review of Existing Information and Level of Future Identification Efforts:

Review of existing information [36 CFR 800.4(a)(2)] indicates that the APE lies in an area of complex geomorphology associated with a paleochannel of the Mississippi River containing soils laid down as recently as in the Great Flood of 1993 (Staeck and White 1995) to as long as 10,000 years ago in the Early Holocene (Benn *et al.* 1989). Bettis *et al.* (1996:App. C-9) shows the most recent detailed mapping of the geomorphology in the area. Working after the Flood of 1993, Staeck and White (1995:12-13) generally found thicker deposits of recent alluvium in the area than were reported in Benn *et al.* (1989).

Benn *et al.* (1989:Fig. 4.10) conducted an archaeological surface survey of all portions of the APE except the Potential Borrow Area lying west of the MSMU. However, Staeck and White (1995:Fig. 2) conducted surface survey of this Potential Borrow Area. Therefore, all areas of the APE have been covered by surface survey.

One historic (Golding's Woodyard) and four prehistoric (13JK138-141) properties (Enclosure 1d) are known to exist in the vicinity of the APE (Benn *et al.* 1989; Staeck and White 1995).

Two prehistoric sites (13JK139 and 140), both Early to Middle Woodland in age, are within the APE. Both were found ineligible for inclusion in the National Register of Historic Places (NRHP) in 1995 (Staeck and White 1995:17).

Site 13JK138, deeply buried at 140 cm, and 13JK141 nearer the surface, are both prehistoric lithic scatters of unknown age that still require evaluation for eligibility for inclusion in the NRHP (Benn *et al.* 1989:155-156; Benn *et al.* 1995:App. N). However, Sites 13JK138 and 13JK141 are both outside the APE.

Golding's Woodyard and settlement, first mapped on an 1893 plat book, were regarded by Benn *et al.* (1989:100) as "a small lumber milling operation, rather than a surviving example of the earlier steamboat fueling stations" based solely on its first being mapped at such a late date. Golding's Woodyard is within the APE in the potential borrow area for the MSMU. It will need to have deep testing to attempt to locate it precisely and to evaluate its eligibility for inclusion in the NRHP.

The Corps plans to conduct **additional limited identification** of historic properties within the APE [reference 36 CFR 800.4(b)] and to conduct any other identification activities that may be warranted after taking into account the consulting parties concerns. Specifically, the Corps plans to limit further identification to Golding's Woodyard and settlement. No other investigations are warranted based upon prior investigations and upon the deep Post-Settlement Alluvium in the area (Benn *et al.* 1989; Staeck and White 1995).

Request for Information from Consulting Parties:

The Corps is seeking information from all consulting parties regarding their concerns with issues relating to this undertaking's potential effects on historic properties and, particularly, the tribes' concerns with identifying properties which may be of religious and cultural significance to them and may be eligible for the National Register [36 CFR 800.4(a)(3-4)]. Concerns about confidentiality [36 CFR 800.11(c)] regarding locations of properties can be addressed under Section 304 of the National Historic Preservation Act which provides withholding from public disclosure the location of properties under several circumstances including in cases where it would cause a significant invasion of privacy, impede the use of a traditional religious site by practitioners, endanger the site, etc.

Agency Evaluation of Historic Significance. Determination of National Register Eligibility, and Invitation to the SHPO and Consulting Tribes to Comment:

The Corps concurs with Staeck and White (1995) and finds that sites 13JK139 and 140 are not eligible for inclusion in the National Register of Historic Places (NRHP) under the criterion found at 36 CFR 60.4(d)—sites that have yielded, or may be likely to yield, information important in prehistory or history and requires evaluation for NRHP eligibility.

The Corps invites the opinion of the SHPO and consulting tribes on this evaluation and determination [36 CFR 800.4(c)].

Agency Determination of No Historic Properties Affected and of Historic Properties Affected and Invitation to All Consulting Parties to Submit their Views on the Effects:

The Corps finds that, for all portions of the APE except for the area containing the Golding's Woodyard and settlement, there are No Historic Properties Affected [36 CFR 800.4(d)(1)], based upon the findings in Benn *et al.* (1989) and in Staeck and White (1995) as discussed above.

Consultation Request:

If any consulting party disagrees with any finding or determination herein, they have 30 days from the date of the letter transmitting this finding to specify to the Corps the reasons for disagreeing with the finding [36 CFR 800.6(c)(2)]. In the mean time, additional identification efforts as set out in Review of Existing Information and Level of Future Identification Efforts, above, will proceed.

If the consulting party is an Indian tribe which attaches religious or cultural significance to an historic property subject to this finding, they may, in addition to specifying to the Corps the reasons for disagreeing with the finding, also request the Advisory Council on Historic Preservation to review the finding pursuant to 36 CFR 800.5(c)(3).

We request your comments within 30 days from the date of this letter. If we do not hear from you within this time, we shall proceed with the Section 106 process as outlined herein and provided for in 36 CFR 800.

If you have any questions regarding this matter, please call Mr. Ron Pulcher of our Environmental Analysis Branch, telephone 309/794-5384, or you may write to our address above, ATTN: Planning, Programs, and Project Management Division (Ron Pulcher).

Sincerely,

ORIGINAL SIGNED R^y
RONALD E. PULCHER
for Kenneth A. Barr
Chief, Environmental Analysis Branch

Enclosures

DISTRIBUTION LIST

Leon Campbell
Chairman
Iowa of Kansas Executive Committee
Route 1, Box 58A
White Cloud, KS 66094
913-595-3258

Chairman
Iowa of Oklahoma Business Committee
Iowa Veterans Hall
P.O. Box 190
Perkins, OK 74059

Chairman (Johnathan Buffalo, Meskwaki Tribal
Historical Preservation Coordinator)
Sac and Fox Tribal Council
349 Meskwaki Road
Tama, IA 52339-9629

Chairman
Otoe-Missouria Tribal Council
P.O. Box 68
Red Rock, OK 74651

Chairman
Sac and Fox of the Missouri Tribal Council
Rural Route 1, Box 60
Reserve, KS 66434-9723

Chairman
Sac and Fox of Oklahoma Business Committee
Route 2, Box 246
Stroud, OK 74079

William Green, State Archaeologist
(OSA Indian Advisory Committee)
Office of the State Archaeologist
700 Clinton Street Building
Iowa City, IA 52242-1030

Jackson County Board of Supervisors
Courthouse
201 West Platt
Maquoketa, IA 52060

Jackson County Historical Society
Box 1245
Fairgrounds
Maquoketa, IA 52060

Maria Pandullo
R&C Coordinator
State Historical Society of Iowa
600 East Locust
Des Moines, IA 50319-0290

Maria Pearson
Governor's Liaison for Indian Affairs
1001 North Dakota Avenue
Ames, IA 50010

LIST OF ENCLOSURES

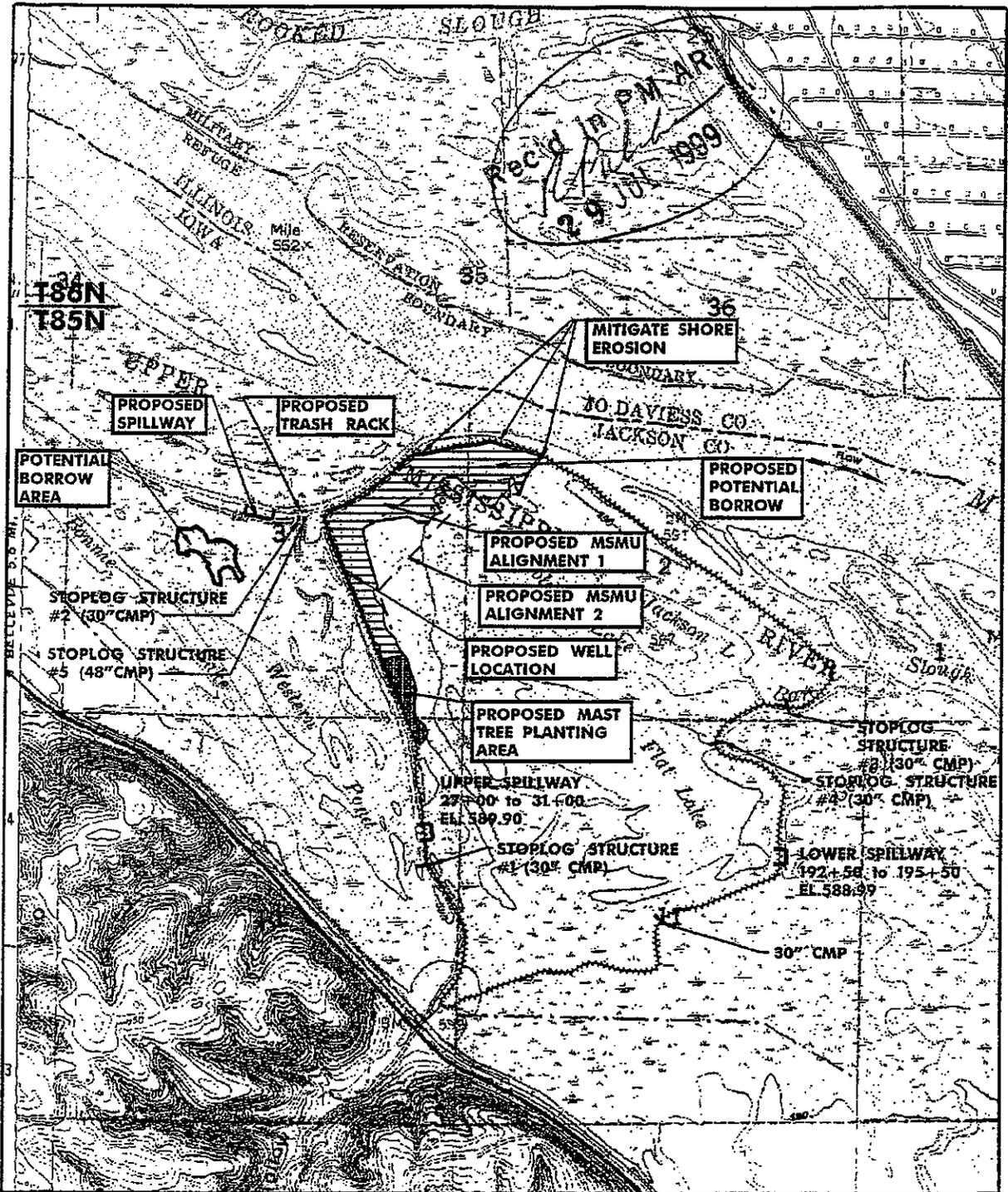
Enclosure 1a. Pleasant Creek HREP Site Plan (Attachment 3)—marked “Rec’d in PM-AR 29 JUL 1999.”

Enclosure 1b. Potential Features Evaluated (Plate 3)—marked “Rec’d in PM-AR 29 JUL 1999.”

Enclosure 1c. MSMU Unit Contour Map (Plate 4A)—marked “Rec’d in PM-AR 29 JUL 1999.”

Enclosure 1d. Bettis *et al.* 1996 Landform Sediment Assemblage Units (EMHOL...) and Historic Properties Locations (13JK138...).

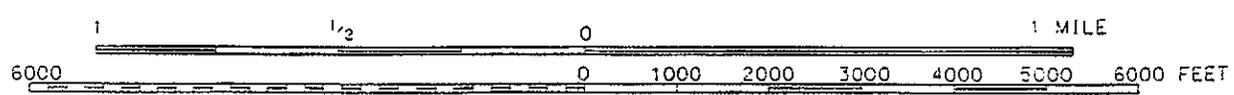
Enclosure 2. Planning, Programs, and Project Management Division letter dated June 1, 1999 (text only, enclosures outdated—see maps at Enclosure 1a-c, above).



R5E

Enclosure 1a. Pleasant Creek HREP Site Plan (Attachment 3)—marked "Rec'd in PM-AR 29 JUL 1999."

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929



LEGEND:

- EXISTING LOW LEVEL DIKE/MAINTENANCE ROAD
- PROPOSED SPILLWAY
- STOPLOG STRUCTURE #3 (30" CMP)
- EXISTING FEATURES HAVE UNBOXED LABELS

NOTES:

1. INSTALL ELECTRICAL SERVICE THROUGH C OF DIKE/ROAD STA. 0+00 TO STA. 65+00.
2. PROJECT IS LOCATED AT T85N, R5E, SEC 1-3 AND 10-12.



QUADRANGLE LOCATION

PLEASANT CREEK HREP SITE PLAN
USGS 7.5' QUAD
GREEN ISLAND, IOWA-ILL
PHOTOREVISED 1975

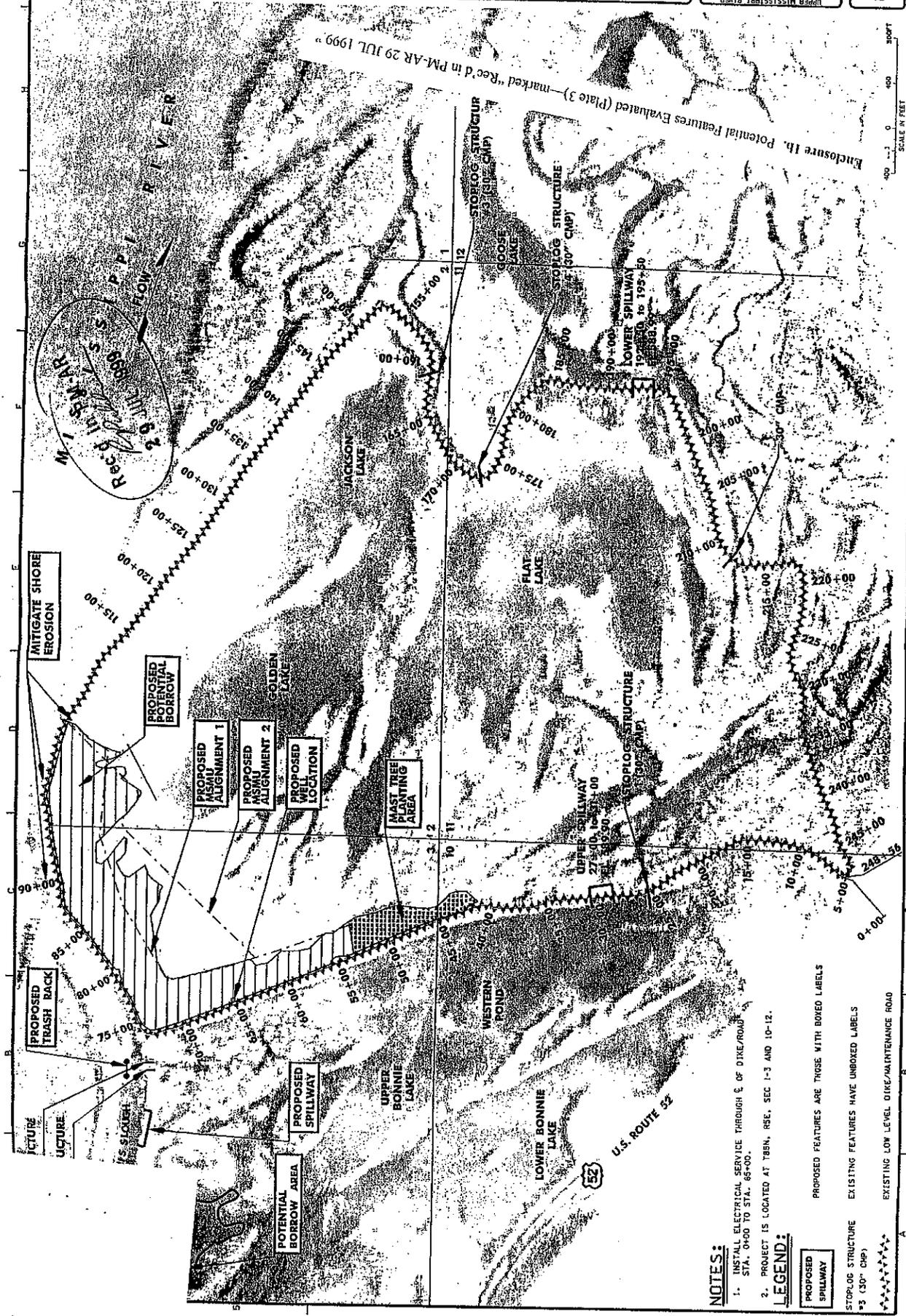


DATE	DESCRIPTION

DESIGNED BY	
CHECKED BY	
DATE	

U.S. ARMY ENGINEER DISTRICT
 ROCK ISLAND, ILLINOIS
 PROJECT NO. 54-1-100-100
 DRAWING NO. 54-1-100-100-100
 DATE 1 MAY 1988

PLATE 3



Rec'd in PM-AR 29 JUL 1999

Enclosure 1b. Potential Features Evaluated (Plate 3) - marked "Rec'd in PM-AR 29 JUL 1999"

SCALE IN FEET
 0 100 200 300 400 500

NOTES:

1. INSTALL ELECTRICAL SERVICE THROUGH E. OF DUNE ROAD STA. 0+00 TO STA. 65+00.
2. PROJECT IS LOCATED AT T88N, R8E, SEC 1-3 AND 10-12.

LEGEND:

- PROPOSED SPILLWAY
- STOPLOG STRUCTURE
- *3 (30" Chp)
- PROPOSED FEATURES ARE THOSE WITH BOXED LABELS
- EXISTING FEATURES HAVE UNBOXED LABELS
- EXISTING LOW LEVEL DUNE/MAINTENANCE ROAD

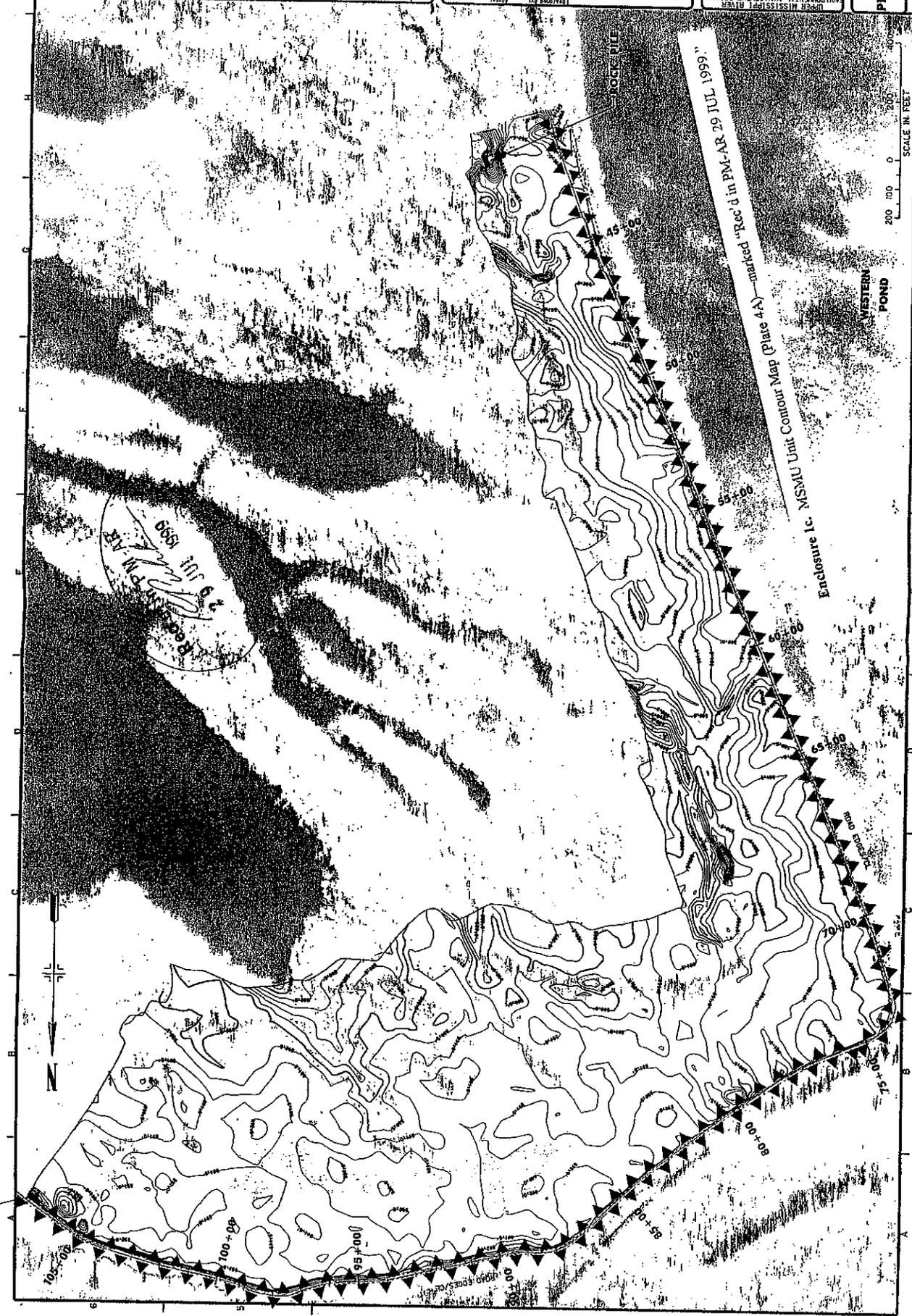


NO.	DATE	REVISIONS

DATE	24 MAY 1999
BY	AS SHOWN
SCALE	AS SHOWN
PROJECT	AS SHOWN
DESIGNER	AS SHOWN
CHECKER	AS SHOWN
APPROVED BY	AS SHOWN
DESIGNED BY	AS SHOWN
DRAWN BY	AS SHOWN
PROJECT NUMBER	AS SHOWN

U.S. ARMY ENGINEERS DISTRICT
 ROCK ISLAND, ILLINOIS
 MSMU UNIT
 CONTOUR MAP

PLATE 4A



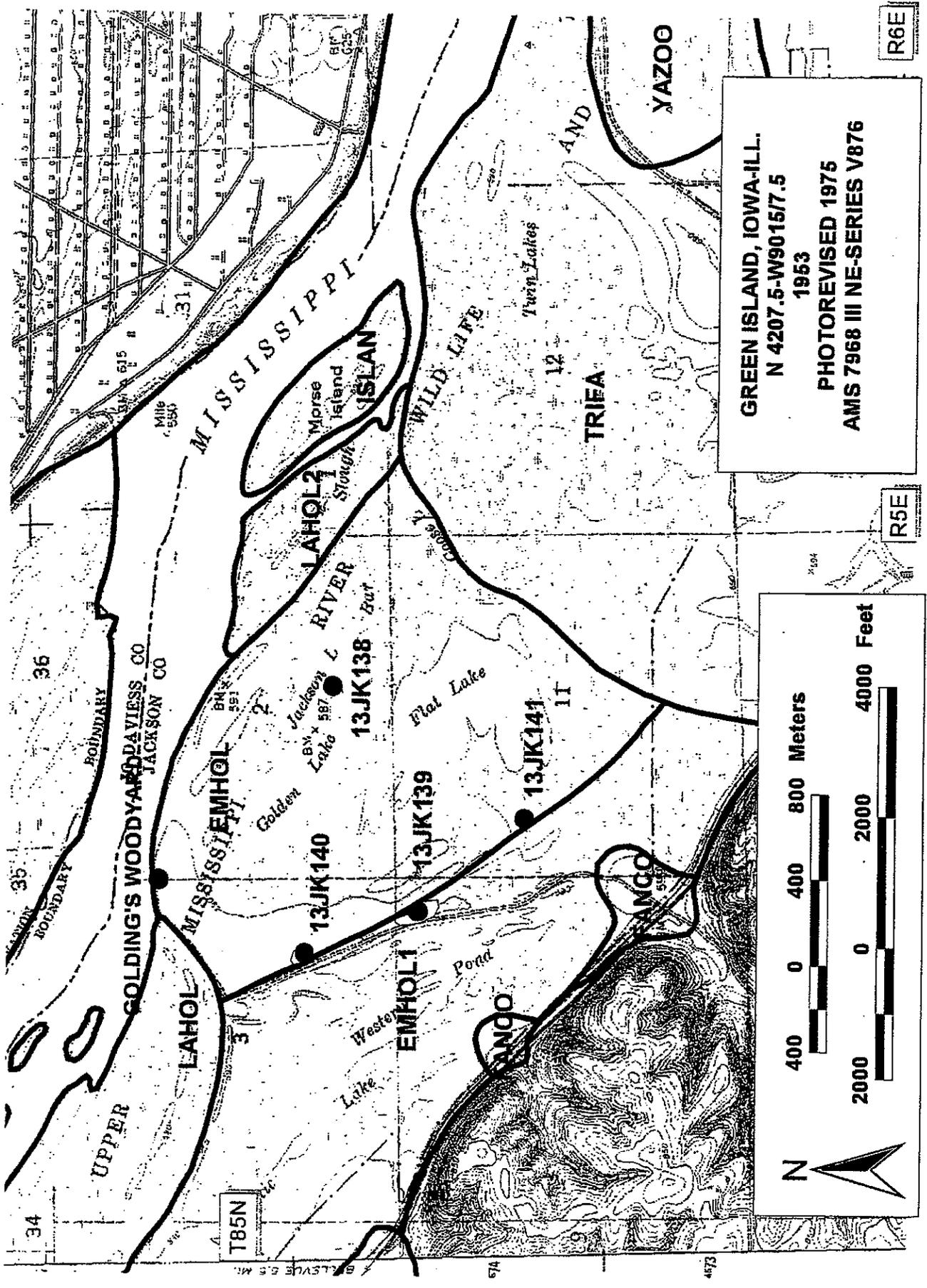
Rec'd in Pnt-AR 29 JUL 1999

Rec'd in Pnt-AR 29 JUL 1999

Enclosure to MSMU Unit Contour Map (Plate 4A)—marked "Rec'd in Pnt-AR 29 JUL 1999."

WESTERN POND

SCALE IN FEET



Bettis et al. 1996 Landform Sediment Assemblage Units (EMHOL...) and Historic Properties Locations (13JK138...).

BEAR CREEK ARCHEOLOGY, INC.

ARCHEOLOGICAL AND HISTORICAL CONSULTANTS

DAVID G. STANLEY, DIRECTOR

October 28, 1999

Mr. Ron Pulcher
Planning Division
Rock Island District Corps of Engineers
Clock Tower Building
Rock Island IL 61204-2004

Re: Preliminary Report, Archaeological Survey and Geomorphological Evaluation for Historic Properties, Pleasant Creek Habitat Rehabilitation and Enhancement Project, Contract no. DACW25-98-D-0001 Work Order 15, BCA-751.

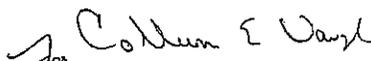
Dear Ron:

Fieldwork for this project was conducted during the week of October 18. All of the impact zones were examined by hand coring to ground truth the LSA map model, and shovel-testing was undertaken in all areas with moderate to high potential for cultural sites. Additionally, local historic archives were examined and informants were interviewed to discover what the historic settlement pattern was in the project area. Regarding unexploded ordinance, none was observed, and no shovel-testing was pursued in Area K.

Preliminary results of the survey include small revisions in the LSA map and discovery of two new archeological sites (see enclosure 1). The new sites include the Golding site (A), a river bank exposure of a half dozen pieces of prehistoric lithic debitage and two nineteenth century historic artifacts (kaolin pipe, whiteware vessel); and the Western Pond site (B), a Late Woodland habitation. Shovel-testing at the Golding site encountered nothing, and this site has too little material to satisfy the criteria of potential significance for nomination to the National Register. The Western Pond habitation site is undisturbed, except for the bottomland access road on top of the terrace, and is recommended to be potentially significant with regard to National Register nomination. However, this site is outside of the proposed impact zone.

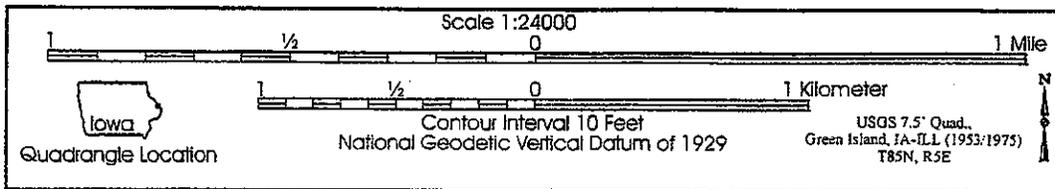
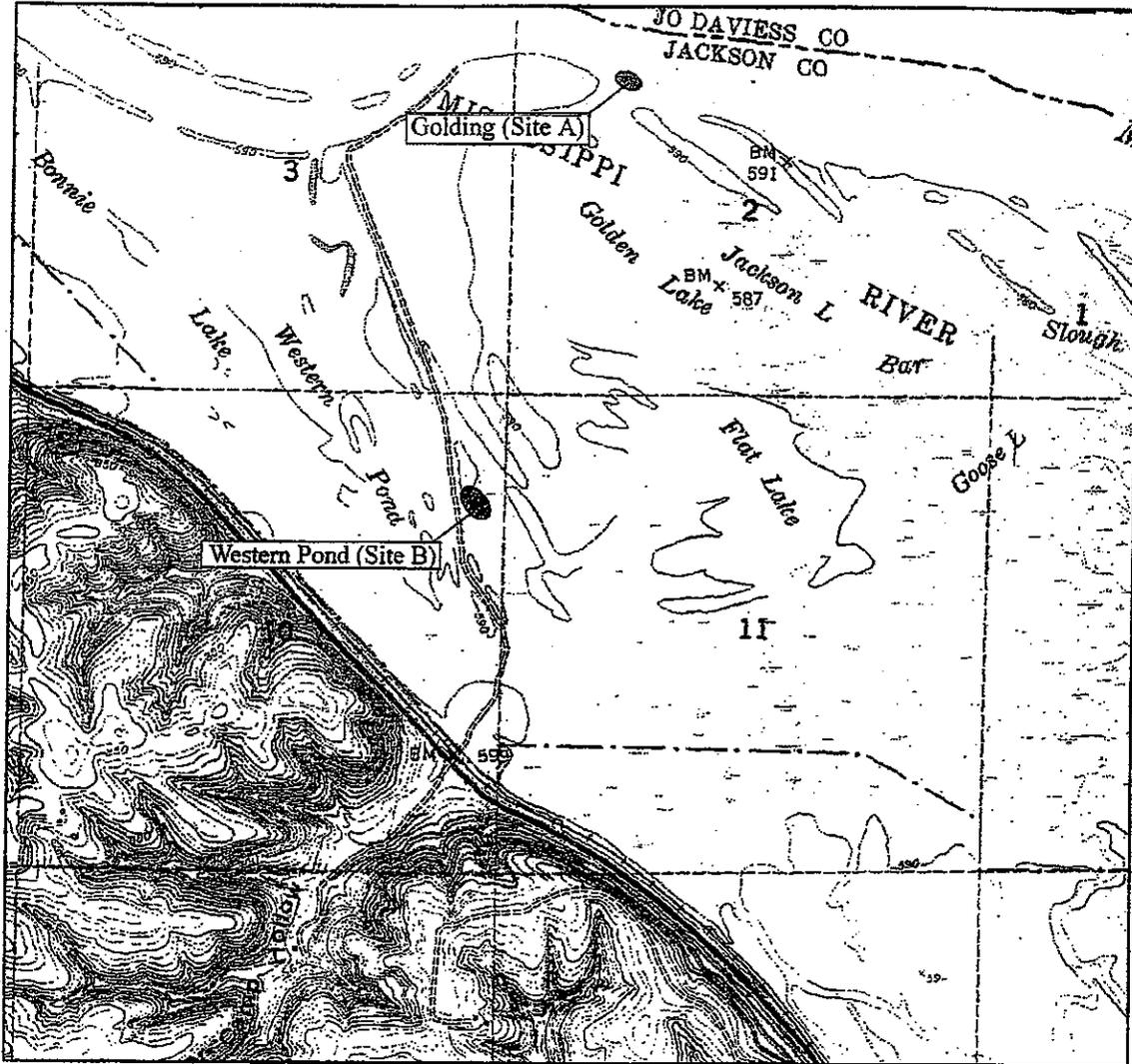
I expect the draft report of our findings to be prepared before the end of November.

Sincerely yours,


David W. Benn
principal investigator

David W. Benn
Research Coordinator
Rt. 2
P.O. Box 971
Rushford, MN 55971
Office/FAX: (507) 864-7316

Home Office
P.O. Box 347
Cresco, IA 52136
(319) 547-4545
FAX: (319) 547-5403



Enclosure 1.



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
ROCK ISLAND DISTRICT, CORPS OF ENGINEERS
CLOCK TOWER BUILDING - P.O. BOX 2004
ROCK ISLAND, ILLINOIS 61204-2004

December 8, 1999

Planning, Programs, and
Project Management Division (1165-2-26a)

SEE DISTRIBUTION LIST

The Rock Island District of the U.S. Army Corps of Engineers (Corps) has formulated plans for work at the Pleasant Creek Wildlife Area Habitat Rehabilitation and Enhancement Project located in Jackson County, Iowa. Please reference our previous letter on this subject dated August 4, 1999. None of the consulting parties responded to this August 4th letter. Information presented there is not repeated here.

Identification of Historic Properties:

The Corps has conducted additional limited identification of historic properties within the Area of Potential Effect (APE) [reference 36 CFR 800.4(b)] as previously identified. Specifically, the Corps has conducted further identification efforts (Straka and Benn 1999) for Golding's Woodyard and settlement and for any historic properties within the Proposed Features (APE) identified at Enclosure 1a to this letter and to the same enclosure to the letter of August 4. Please see Enclosure 1b for the cover sheet and Management Summary from Straka and Benn (1999).

Two archaeological sites have been located by this effort. The first is Site 13JK245, a prehistoric Late Woodland Keyes Phase habitation site which lies under and east of a Maintenance Road used to access the APE, as well as other areas of this property. This is an existing road maintained for purposes other than the proposed project and will not be improved, widened or otherwise changed for this project. The Corps concurs with Straka and Benn (1999:i, 23-34, 26) that Site 13JK245 is potentially eligible for inclusion in the National Register of Historic Places (NRHP). **Site 13JK245 is located outside the APE and will receive no further consideration under this project.** Water level management outside the APE may affect the site as stated by Straka and Benn (1999). The site has been entered into the Mississippi River Historic Properties Management Plan database and will receive consideration as set out therein.

The second site is Site 13JK246. A light scatter of historic and prehistoric material eroding on the bank of the Mississippi River lies within the APE and may be affected by placement of riprap to mitigate shoreline erosion. The Corps concurs with Straka and Benn (1999:i, 25) that Site 13JK246 is not eligible for inclusion in the NRHP.

The Corps invites the opinion of the SHPO and consulting tribes on the evaluation and determination for Site 13JK246 [36 CFR 800.4(c)].

Agency Determination of No Historic Properties Affected:

The Corps finds that, for all portions of the APE, there are No Historic Properties Affected [36 CFR 800.4(d)(1) and 800.16(i)], based upon the findings set out in our earlier letter of August 4th, referenced above, and upon the findings in Straka and Benn (1999) presented in this letter. The report by Straka and Benn (1999) completes the documentation required by 36 CFR 800.11(d) for this project.

Post-Review Discoveries:

Any post-review discoveries shall be coordinated under 36 CFR 800.13(b and c).

Consultation Request:

If any consulting party disagrees with any finding or determination herein, they have 30 days to specify to the Corps the reasons for disagreeing with the finding [36 CFR 800.6(c)(2)]. Please note that all documentation under 36 CFR 800-11(d) has now been forwarded to the SHPO — contingent on SHPO receipt of finalized version of the referenced draft report which shall not be prepared until the due date for response to this letter passes. The U.S. Department of the Army Public Notice for this project will indicate the availability of this documentation for public inspection during the public comment phase of the permitting process.

If the consulting party is an Indian tribe which attaches religious or cultural significance to a historic property subject to this finding, they may, in addition to specifying to the Corps the reasons for disagreeing with the finding, also request the Advisory Council on Historic Preservation to review the finding pursuant to 36 CFR 800.5(c)(3).

We request your comments be postmarked within 35 days from the date of this letter, or 30 days after confirmed receipt for the Iowa State Historic Preservation Office. If you do not object, or we do not hear from you within this time, the Corps responsibilities under Section 106 have been fulfilled -- except as may be required under 36 CFR 800.13, as noted above.

If you have any questions regarding this matter, please call Mr. Ron Pulcher of our Environmental Analysis Branch, telephone 309/794-5384, or you may write to our address above, ATTN: Planning, Programs, and Project Management Division (Ron Pulcher).

Sincerely,

ORIGINAL SIGNED BY

Kenneth A. Barr
Chief, Environmental Analysis Branch

Enclosures

REFERENCE

Straka, Jeff, and David W. Benn

1999 Phase I Archaeological Survey and Geomorphological Evaluation for Historic Properties for Pleasant Creek Habitat Rehabilitation and Enhancement Project, Upper Mississippi River System, Pool 13, Jackson County, Iowa (2 volumes). Draft Report dated November, 1999, to the U.S. Army Corps of Engineers, Rock Island District, prepared under contract DACW25-98-D-0001, Work Order No. 0015. Submitted by Bear Creek Archeology, Inc., Cresco, Iowa (BCA #751).

DISTRIBUTION LIST

Leon Campbell
Chairman
Iowa of Kansas Executive Committee
Route 1, Box 58A
White Cloud, KS 66094
913-595-3258

Chairman
Iowa of Oklahoma Business Committee
Iowa Veterans Hall
P.O. Box 190
Perkins, OK 74059

Chairman (Johnathan Buffalo, Meskwaki
Tribal Historical Preservation Coordinator)
Sac and Fox Tribal Council
349 Meskwaki Road
Tama, IA 52339-9629

Chairman
Otoe-Missouria Tribal Council
P.O. Box 68
Red Rock, OK 74651

Chairman
Sac and Fox of the Missouri Tribal Council
Rural Route 1, Box 60
Reserve, KS 66434-9723

Chairman
Sac and Fox of Oklahoma Business
Committee
Route 2, Box 246
Stroud, OK 74079

William Green, State Archaeologist
(OSA Indian Advisory Committee)
Office of the State Archaeologist
700 Clinton Street Building
Iowa City, IA 52242-1030

Jackson County Board of Supervisors
Courthouse
201 West Platt
Maquoketa, IA 52060

Jackson County Historical Society
Box 1245
Fairgrounds
Maquoketa, IA 52060

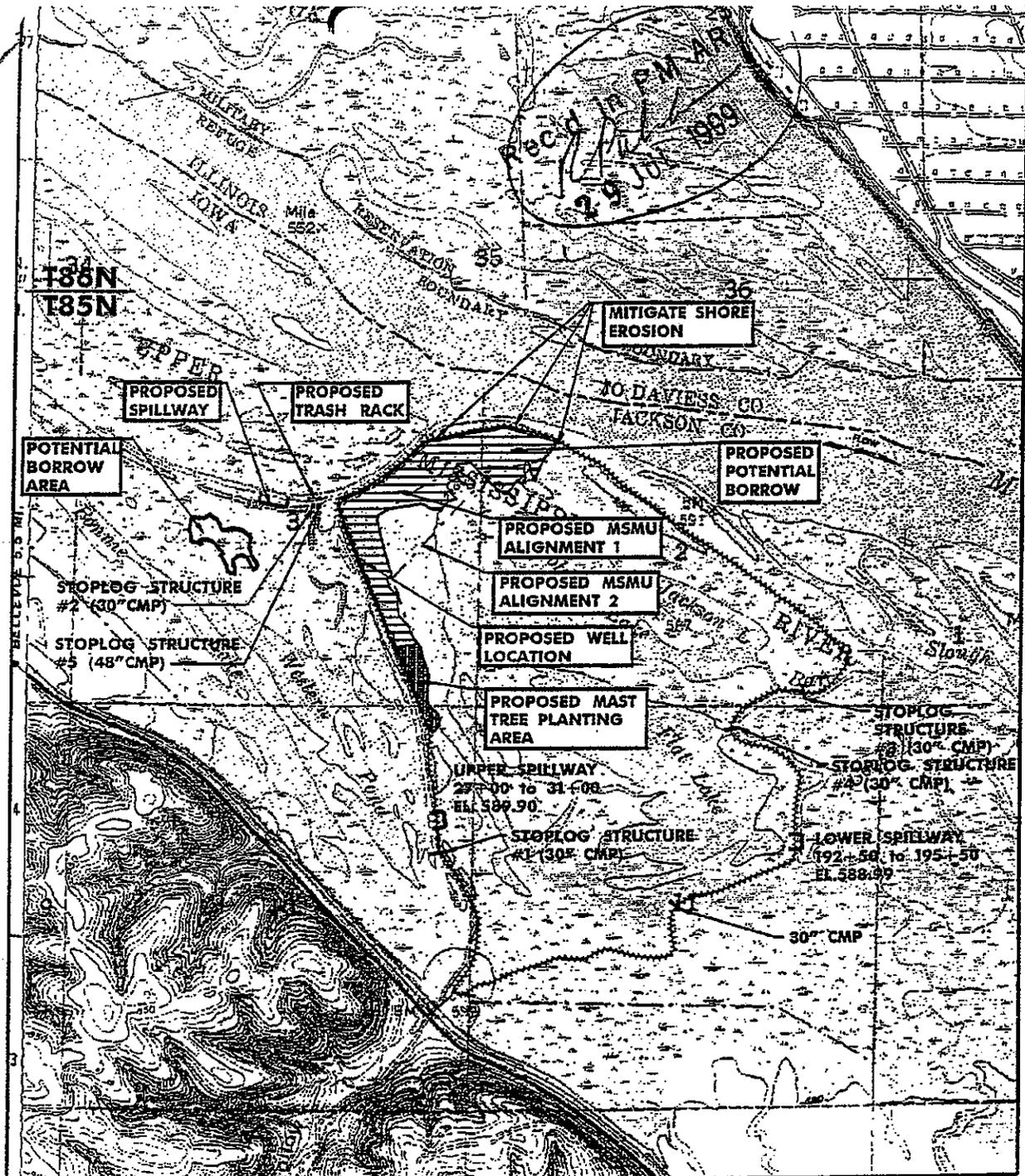
Maria Pandullo
R&C Coordinator
State Historical Society of Iowa
600 East Locust
Des Moines, IA 50319-0290

Maria Pearson
Governor's Liaison for Indian Affairs
1001 North Dakota Avenue
Ames, IA 50010

LIST OF ENCLOSURES

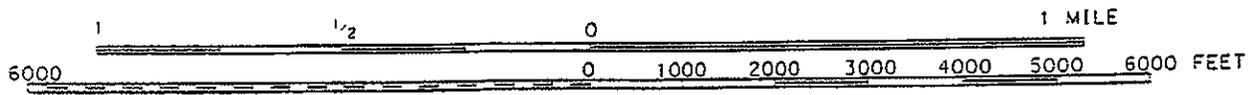
Enclosure 1a. Pleasant Creek HREP Site Plan (Attachment 3)—marked “Rec’d in PM-AR 29 JUL 1999.”

Enclosure 1b. Report Cover Sheets and Management Summary from Straka and Benn (1999). The complete report is enclosed with the Iowa State Historical Society’s copy of this letter.



R5E

CONTOUR INTERVAL 10 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

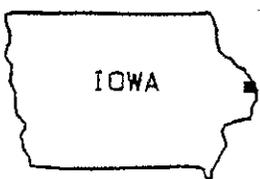


LEGEND:

- EXISTING LOW LEVEL DIKE/MAINTENANCE ROAD
- PROPOSED SPILLWAY
- STOPLOG STRUCTURE #3 (30" CMP)
- EXISTING FEATURES HAVE UNBOXED LABELS

NOTES:

1. INSTALL ELECTRICAL SERVICE THROUGH ϕ OF DIKE/ROAD STA. 0+00 TO STA. 65+00.
2. PROJECT IS LOCATED AT T85N, R5E, SEC 1-3 AND 10-12.



QUADRANGLE LOCATION

PLEASANT CREEK HREP SITE PLAN
 USGS 7.5' QUAD
 GREEN ISLAND, IOWA-ILL
 PHOTOREVISED 1975

ENCL 1a. ATTACHMENT 3

Enclosure 1a. Pleasant Creek HREP Site Plan (Attachment 3)—marked "Rec'd in PM-AR 29 JUL 1999."

PHASE I ARCHEOLOGICAL SURVEY AND GEOMORPHOLOGICAL
EVALUATION FOR HISTORIC PROPERTIES FOR PLEASANT CREEK
HABITAT REHABILITATION AND ENHANCEMENT PROJECT,
UPPER MISSISSIPPI RIVER SYSTEM EMP, POOL 13,
JACKSON COUNTY, IOWA

Sections 2, 3, 10, & 11, T85N, R5E

CONTRACT NO. DACW25-98-D-0001
WORK ORDER NO. 0015

BCA #751
Volume I
Text, Figures, and
Appendices A, B, and C

**CONTAINS SITE LOCATIONAL INFORMATION
NOT FOR PUBLIC DISTRIBUTION**

Prepared for

The U.S. Army Engineer District, Rock Island
Clock Tower Building, P.O. Box 2004
Rock Island, IL 61204-2004

Prepared by

Jeff Straka
and
David W. Benn,
Principal Investigator

Bear Creek Archeology, Inc.
P.O. Box 347
Cresco, Iowa 52136
David G. Stanley, Director

November 1999

DRAFT

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Site Forms Only

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MANAGEMENT SUMMARY

This report presents the findings of a Phase I archeological survey and geomorphological evaluation for the Pleasant Creek Habitat Rehabilitation and Enhancement Project, Upper Mississippi River system, Environmental Management Program (Pleasant Creek HREP), Pool 13, Jackson, Iowa. Personnel of Bear Creek Archeology, Inc. conducted this survey for the Rock Island District Corps of Engineers on October 18-22, 1999, under terms of Contract No. DACW25-98-D-0001, Work Order No. 0015. The Pleasant Creek project area is located on the Mississippi River floodplain in the Pleasant Creek Wildlife Refuge, approximately 1.6 km north of the mouth of the Maquoketa River between river miles 550 and 552.5. The impact zone is generally contained within the S½ of Sections 2 and 3, the E¼ Section 10, and Section 11, T85N, R5E, Washington Township, Jackson County, Iowa. The RICOE proposes to control the water flow in this portion of bottomland by utilizing the existing dike/maintenance road as a barrier and by inserting water control structures, such as spillways, flow tubes, and stoplog structures. Topsoil will be borrowed from the northern portion of the impact zone to mitigate shoreline erosion, and mast trees will be planted in a small area on the western side. The total area reconnoitered during the archeological survey was approximately 48.6 ha (120 ac.), and the area intensively surveyed by subsurface means was approximately 12.1 ha (30 ac).

Pre-field archival investigation for this project included a search of Iowa archeological site and survey records and examination of historic maps of the project area. Historic maps from 1867, 1892, 1893, and 1929-30 were examined in local libraries and local interviews were conducted to determine the presence or absence of historic structures in the current project area. The objectives of the intensive field investigation were to analyze the landforms to determine their potential for cultural resources, and to investigate all areas proposed to be directly affected by the Pleasant Creek HREP. The project area was made up of maple forest, oak woodlands, wetlands, and agricultural (bean) fields. Field survey of the project area was accomplished through pedestrian reconnaissance, hand coring of soils with a one inch JVC tube, and systematic bucket augering and shovel testing of moderate-high potential landforms.

Site 13JK245 is a Late Woodland period (Keyes phase) habitation site on a sandy ridge of the EMHOL1 LSA. This site is forested and undisturbed, except for the historic maintenance road coursing over its western edge. This site is potentially significant with regard to National Register criteria and should be avoided by direct project impacts. In the future this site may be subjected to bank erosion as a result of manipulating water levels within the leveed zone. Changes in bank lines should be monitored in the next decade at this site and others in the Pleasant Creek HREP to insure that bank erosion does not increase and threaten this site as well as others (recorded or not recorded). Site 13JK246 is a light historic and prehistoric artifact scatter on the Mississippi River bank. Little material is present, and none was encountered in auger tests behind the river bank. This site is judged to be insignificant with regard to National Register criteria, and no additional archeological investigation is recommended.

STATE HISTORICAL SOCIETY OF IOWA

Where past meets future

January 4, 2000

In reply refer to:
R&C#: 990849046

Mr. Kenneth A. Barr
Chief, Environmental Analysis Branch
Rock Island District, Corps of Engineers
Clock Tower Building
P.O. Box 2004
Rock Island, Illinois 61204-2004

American Gothic House
Eldon

Blood Run NHL
Larchwood

Centennial Building
Iowa City

Matthew Edell Blacksmith Shop
Marshalltown

Abbie Gardner Cabin
Arnolds Park

Iowa Historical Building
Des Moines

Montauk Governor's Home
Union Sunday School
Clermont Museum
Clermont

Plum Grove Governor's Home
Iowa City

Toolesboro Indian Mounds
Toolesboro

Western Historic Trails Center
Council Bluffs

RE: COE - JACKSON COUNTY - CONTRACT DACW25-98-D-0001 WORK ORDER NO.0015 - DRAFT REPORT - PHASE I ARCHEOLOGICAL SURVEY AND GEOMORPHOLOGICAL EVALUATION FOR HISTORIC PROPERTIES FOR PLEASANT CREEK HABITAT REHABILITATION AND ENHANCEMENT PROJECT, UPPER MISSISSIPPI RIVER SYSTEM EMP, POOL 13, JACKSON COUNTY, IOWA - BCA #751- SECs 2, 3, 10, 11, T85N-R5E.

Dear Mr. Barr,

We have received the above referenced draft report prepared by Jeff Straka and David Benn of Bear Creek Archeology, Inc., Cresco, Iowa. Thank you for providing the SHPO with the opportunity to review and comment on this project. We find the report to be very well written. The organization, presentation, and interpretation of the data are well considered; and, the graphics contained within the appendices clearly convey the information for which they are intended. Overall, this report is found to be consistent with BCA's usual standard of quality for report writing.

With regard to the project findings the SHPO makes the following comments and recommendations:

1. The SHPO concurs with the consultant's recommendation that site 13JK246, named Golding's site, does not meet the criteria of significance for the National Register of Historic Places and that no additional archeological investigation is necessary.
2. The SHPO concurs with the consultant's recommendation that site 13JK245 is potentially eligible for nomination to the NRHP, and should be avoided by direct project impacts.
3. The SHPO concurs with the agency's determination of No Historic Properties Affected provided that the proposed undertaking will avoid and have no impact on 13JK245. SHPO notes that the future effects of water level management on this site, as stated by Straka and Benn, will be considered by the Corps under provisions set forth in the Mississippi River Historic Properties Management Plan.

IOWA HISTORICAL BUILDING

600 East Locust • Des Moines, Iowa 50319-0290

Phone: (515) 281-6412 • Fax: (515) 242-6498 or (515) 282-0502

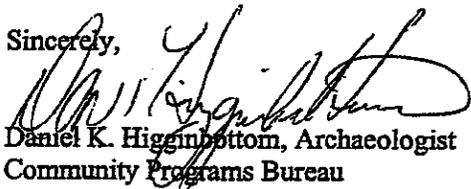
www.uiowa.edu/~shsi/index.htm

4. Based on BCA's findings, the SHPO recommends that the proposed undertaking proceed as planned.

If design changes are made for this project which would involve undisturbed new rights-of-way, easements, or borrow areas please forward additional information to our office for further comment along with your determination of effect. If project activities uncover an item(s) that might be of archeological, historical or architectural interest, or if important new archeological, historical or architectural data should be encountered in the project APE, the project contractor(s) should make reasonable efforts to avoid or minimize impacts to the property until an assessment can be made by a qualified archaeologist.

Once again we offer our thanks for permitting us to comment on this report. If you have any questions please contact me at 281-8744.

Sincerely,


Daniel K. Higginbottom, Archaeologist
Community Programs Bureau

cc: Ron Pulcher, Archeologist, COE
David Stanley, Principal Investigator, Bear Creek Archeology, Inc.



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Ecological Services

Rock Island Field Office

4469 48th Avenue Court

Rock Island, Illinois 61201

Tel: 309/793-5800 Fax: 309/793-5804

IN REPLY REFER

TO:

FWS/RIFO

February 10, 2000

Colonel James V. Mudd
District Engineer
U.S. Army Engineer District
Rock Island
Clock Tower Building, P.O. Box 2004
Rock Island, Illinois 61204-2004

Dear Colonel Mudd:

This letter constitutes our draft Fish and Wildlife Coordination Act (FWCA) report for the Pleasant Creek Wildlife Area Habitat Rehabilitation and Enhancement Project (HREP), Mississippi River Miles 548.7-552.8 in Jackson County, Iowa. It has been prepared under the authority of and in accordance with provisions of the Fish and Wildlife Coordination Act (48 Stat.401, as amended; 16 U.S.C. 661 et seq.); the Endangered Species Act of 1973, as amended; and in accordance with the Fish and Wildlife Service's Mitigation Policy.

The Pleasant Creek Wildlife Area HREP is a component of the Upper Mississippi River System Environmental Management Program (EMP) authorized in Section 1103 of the Water Resources Development Act of 1986 (Public Law 99-509) as "a program for the planning, construction, and evaluation of measures for fish and wildlife rehabilitation and enhancement."

DESCRIPTION OF THE PROJECT AREA

All project lands are in Federal ownership and are managed by the U.S. Fish and Wildlife Service (Service) as part of the Upper Mississippi River National Wildlife and Fish Refuge. The project area in Pool 13 consists of 69 acres located within a 2,530 acre unit of bottomland forest intermixed with small lakes and sloughs on the Iowa side of the navigation channel.

PROJECT OBJECTIVES

The goals of the Pleasant Creek Wildlife Area HREP are to enhance wetland and aquatic habitat through the construction of a moist soil management unit (MSMU) to benefit both resident and migratory birds.

The primary objective of the project is to improve migratory waterfowl habitat through the creation of additional emergent wetland and enhancement of existing forested wetland. Management of the MSMU would be directed toward migratory waterfowl, with emphasis on dabbling ducks. Benefits to other migratory birds as well as other game and nongame species would be realized.

METHODOLOGY

The evaluation team used two Habitat Evaluation Procedures. Wildlife Habitat Appraisal Guide (WHAG) Wetland Model (Missouri Department of Conservation et al., 1991) and Great Blue Heron Habitat Suitability Index (HSI) Model (Short and Cooper, 1985). The great blue heron was chosen as an evaluation species because an active rookery is located adjacent to the proposed MSMU.

DISCUSSION OF PROJECT FEATURES

Thirteen alternatives, including four proposed dike alignments and a mast tree planting feature, were compared. The preferred alternative is referred to as A2(W1T0) in the U.S. Army Corps of Engineers Draft Preliminary Restoration Plan (PRP). This alternative would involve the construction of a low dike, with a top elevation of 594 feet, around the entire 49 acres of the existing cropland. The inter-agency planning team felt that the features evaluated in this alternative best met the project goals and objectives as well as meeting their respective agencies' goals and objectives.

This alternative would facilitate managing water levels to benefit a diverse group of fish and wildlife species. Water levels inside of the MSMU would be controlled through the use of a well to pump water into the MSMU and a water control structure that would allow water to be released from the MSMU. Natural flooding from the overtopping of the existing Mississippi River dike is expected to inundate the unit less than five percent of the time during the growing season.

THREATENED AND ENDANGERED SPECIES

To facilitate compliance with Section 7(c) of the Endangered Species Act of 1973, as amended, Federal agencies are required to obtain from the Fish and Wildlife Service information concerning any species, listed or proposed to be listed, which may be present in the area of a proposed action.

Therefore, we are furnishing you the following list of species which may be present in the concerned area:

<u>Classification</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Habitat</u>
Threatened	Bald eagle	<i>Haliaeetus leucocephalus</i>	Breeding

<u>Classification</u>	<u>Common Name</u>	<u>Scientific Name</u>	<u>Habitat</u>
Endangered	Higgins' eye pearly mussel	<i>Lampsilis higginsii</i>	Mississippi River
Endangered	Iowa pleistocene snail	<i>Discus macclintocki</i>	North-facing algific talus slopes of the driftless area
Threatened	Northern monkshood	<i>Aconitum novaboracense</i>	North-facing algific talus slopes of the driftless area, hillside seeps
Threatened	Western prairie fringed orchid	<i>Platanthera praeclara</i>	Mesic to wet prairies
Threatened	Eastern prairie fringed orchid	<i>Platanthaera</i>	Mesic to wet prairies

The proposed HREP will not adversely affect endangered species or their habitats. This precludes the need for further action on this project as required under Section 7 of the Endangered Species Act of 1973, as amended. Should this project be modified or new information indicate endangered species may be affected, consultation should be initiated.

EXISTING FISH AND WILDLIFE RESOURCES

The project site consists of 49 acres of cropland and 20 acres of bottomland hardwood forest. The cropland is in row crop production, with approximately 40 percent of the crop left unharvested each year. No water control structures are present on the site, but the site is subject to annual natural flooding from the Mississippi River. Dominant tree species in the forested portion of the site include pin oak and silver maple.

The site currently provides adequate habitat for dabbling ducks and lower quality habitat for the remainder of the target species (Canada goose, green-backed heron, wood duck, American coot, prothonotary warbler, great blue heron). HSI values are the lowest for those species requiring permanent summer wetland.

FUTURE WITHOUT PROJECT

The No Federal Action alternative is considered the future without the project condition allowing the area to continue to function as is. Without active management, successional changes in habitat and further degradation by sedimentation will result in continued degradation of migratory waterfowl habitat. All of the alternatives without water control result in an average of 20 to 24 fewer AAHUs available for dabbling ducks each year during the life of the project.

FUTURE WITH PROJECT

The results of the Habitat Evaluations Procedures (HEP) analysis suggest that water control capability has more of an impact on habitat outputs than does dike alignment. However, all of the build alternatives show increases in overall AAHUs over the no build alternative. With water control and no mast tree planting, HSI values would remain essentially the same with or without the project for wood ducks and American coots, and would decrease for green-backed herons. Initial decreases, followed by an increase in HSI values, would occur for prothonotary warblers. Substantial increases in HSI values would be seen for mallards, Canada geese, and great blue herons. Approximately 10-13 more HUs would be available for dabbling ducks each year during the life of the project with the water control alternative. The quality of the other habitat types would remain unchanged from existing conditions or decrease slightly. Habitat quality for great blue herons would increase substantially with the preferred alternative. This results from the conversion of cropland to emergent wetland and provides additional foraging acres for the herons in proximity to active and potential rookery areas. Improved great blue heron habitat should benefit other wading birds as well. The total AAHUs gained with alternative A2(W1T0) is 168.64.

DISCUSSION

The WHAG and HEP analyses indicate that the preferred alternative would provide the greatest habitat benefits in the most cost-effective manner. The preferred alternative meets HREP goals and objectives, adds habitat diversity as well as quality, and best meets the overall management objectives for the site. Benefits to both game and non-game species would be realized by increased migratory bird habitat.

CONCLUSIONS AND RECOMMENDATIONS

The Pleasant Creek Wildlife Area HREP offers a unique opportunity to restore and enhance a diverse fishery and wildlife resource. In addition, the proposed HREP will contribute directly to achieving the goals of the North American Waterfowl Management Plan (an international inter-agency plan to increase waterfowl populations) for waterfowl species and the goals of the Partners for Flight program to protect and increase the habitats for neotropical migrants.

Therefore we recommend the preferred alternative which includes:

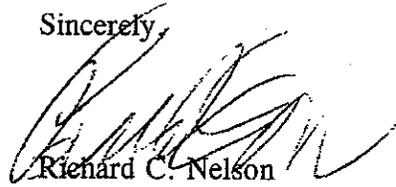
1. Construction of a low dike around the entire 49 acres of existing cropland.
2. Control of water levels inside the MSMU through the use of a well to pump water into the MSMU.
3. A water control structure that would allow water to be released from the MSMU.

Colonel James V. Mudd

5.

We appreciate the opportunity to provide these comments and look forward to continued coordination on this project. If you have any questions, please contact Ms. Heidi Woeber of my staff at (309) 793-5800, ext. 517.

Sincerely,



Richard C. Nelson
Supervisor

cc: UMRNWER (Beseke, Britton)
IADNR (Sheets)