

## APPENDIX 4

### CULTURAL RESOURCES INFORMATION

- Example Section 106 letter
- Class I Literature Search



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May 19, 2023

[REDACTED], THPO  
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**RE: Initial Consultation regarding a PL-566 Watershed Project Preliminary Investigation Feasibility Report (PIFR) for the Dickey-Sargent Irrigation District Modernization Project**

Dear Amy Burnette,

In accordance with 36 CFR 800.3, North Dakota NRCS is providing this initial consultation letter regarding a potential NRCS Watershed Plan for the Dickey-Sargent Irrigation District. The purpose of a Preliminary Investigation Feasibility Report (PIFR) is to determine if there are apparent and insurmountable obstacles to completing a full watershed planning effort under the USDA-NRCS Watershed Operations Program, under the authority of the Watershed Protection and Flood Prevention Act of 1954 (Public law 83-566).

The Dickey-Sargent Irrigation District supplies water to 4,427 acres of center pivot irrigated cropland in Dickey and Sargent Counties through an existing lift station off the James River, through a 6.5-mile canal, 3 booster pumps, and pipelines. Construction on the 6.5-mile canal was completed in 1983 and included a PVC liner to address seepage in the underlying sandy soils. The liner has been compromised by extensive muskrat damage and has exceeded its design lifespan. The NRCS watershed planning effort would involve identification and evaluation of suitable alternatives such as new lining within the existing canal or replacement of the open canal with buried pipeline. If a planning effort is deemed feasible, it would be conducted in 2024 to 2026, culminating in a Watershed Plan-Environmental Assessment.

In a good faith effort to initiate Section 106 of the National Historic Preservation Act (NHPA) early, a Class I archival record search at the North Dakota State Office was completed in May 2023. Please find the initial results of this record search in the enclosure.

In addition, NRCS is simultaneously sending consultation letters to the Advisory Council on Historic Preservation (ACHP), the North Dakota SHPO and 30 federally recognized Indian tribes who have been identified as having a potential interest in this proposed undertaking.

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If you have any questions or concerns regarding initiation of this planning effort by the NRCS, please contact Janelle Harrison at (701) 516-2280 or by email at [janelle.harrison@usda.gov](mailto:janelle.harrison@usda.gov).

Sincerely,

A handwritten signature in cursive script that reads "Nathan Jones".

NATHAN JONES  
Acting State Conservationist

Enclosure

# CLASS I LITERATURE SEARCH

## DICKEY– SARGENT IRRIGATION PROJECT – PRELIMINARY INVESTIGATION FEASIBILITY REPORT

DICKEY COUNTY, NORTH DAKOTA

### Report Authors:

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ND NRCS State Archaeologist  
USDA-NRCS

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## **1.0 EXECUTIVE SUMMARY**

The NRCS is preparing a Preliminary Investigation of Feasibility Report (PIFR) for a potential PL-566 watershed project for the Dickey Sargent Irrigation District (DSID). Planning alternatives will address seepage losses from the current 6.5-mile irrigation canal through either reconstruction of the existing canal or installation of a buried pipeline and retrofit of existing pump stations. The purpose of the PIFR is to determine if there are insurmountable obstacles to pursuing a watershed planning effort on DSID. A Class I cultural resources report has been requested to determine if there are any apparent insurmountable obstacles to watershed planning on DSID.

### **Class I Inventory Search Results**

Two NRHP properties, 5 architectural structures, 15 historic sites, 0 historic cemeteries and 4 archaeological sites were identified within the project study area. (Exhibit 1).

Based on the high number of known cultural resources within the watershed district, only general cultural resource management recommendations are being posed in this report. If a full PL-566 watershed planning effort is pursued in the future for DSID, detailed site-specific information will be provided through the course of developing a Watershed Plan – Environmental Assessment (EA). That would include completion of a Class III Archaeological survey for all areas where ground disturbing activities are proposed to occur.

The indiscriminate disclosure or publication of cultural resource data herein may result in unnecessary damage to the resources. The public release of site-specific locational data provided by the State Historical Society of North Dakota requires the written permission of the Director thereof.

## 2.0 INTRODUCTION

The NRCS is preparing a Preliminary Investigation of Feasibility Report (PIFR) for a potential PL-566 watershed project for the Dickey Sargent Irrigation District (DSID). Planning alternatives would address seepage losses from the current 6.5-mile irrigation canal through either reconstruction of the existing canal or installation of a buried pipeline and retrofit of existing pump stations. The purpose of the PIFR is to determine if there are insurmountable obstacles to pursuing a watershed planning effort on DSID. A Class I cultural resources report has been requested to determine if there are any apparent insurmountable obstacles to watershed planning on DSID from a cultural resources standpoint. It is understood that until a Class III survey is completed on the ground and Section 106 consultations are completed, this is very preliminary information for planning purposes only.

A potential future PL-566 watershed plan would be subject to review by the North Dakota State Historic Preservation Office (ND-SHPO). Given the multiple years required to complete a watershed plan, USDA-NRCS would complete an updated Class I record search during a future watershed planning effort should it come to fruition. To ensure compliance with ND-SHPO regulatory requirements USDA-NRCS has conducted this Class I record search. The purpose of the Literature Search is to identify all known historic cultural resources within the DSID. Literature search results will be used to evaluate the potential for planning alternatives to adversely effect cultural resources within the watershed.

The literature search was conducted by Janelle Harrison, MA, RPA, Principal Investigator. The literature search results were compiled by Janelle Harrison, MA, RPA.

## 3.0 PROJECT INFORMATION

### 3.1 *Class I Study Area (Watershed)*

The DSID encompasses approximately 21.8 square miles of study area (Exhibit 1). A very low percentage of the overall watershed has the potential for any ground disturbing activities as the result of the watershed plan, however for the sake of completeness the literature search included this entire area plus a buffer.

### 3.2 *Area of Potential Effect (APE)*

For archaeological purposes, an APE is defined as any area where ground disturbing activities are likely to occur. Based on the alternatives determined feasible for analysis through the PIFR, by NRCS engineering staff, an APE of 0.05 square miles was identified as having potential for ground disturbing activities. Ground disturbing activities likely to be associated with a watershed project for DSID would involve buried pipeline installation, excavation, embankment, placement of concrete/other liner materials, removal of concrete structures, and removal or retrofit of existing pump stations.

## 4.0 RESEARCH DESIGN

### 4.1 *Research Objectives*

Research objectives were designed to meet survey requirements of the Secretary of the Interior's Standards for Identification and Evaluation, and the *North Dakota SHPO Guidelines Manual for Cultural Resource Inventory Projects, Revised Edition* 2020. The objectives included:

- Identify all historic properties within the Project area.
- Delineate areas with high archaeological potential.
- Provide recommendations to guide Project layout designs and develop strategies to minimize the adverse effects on all, if any, historic cultural resources within the Project area.

## 4.2 Methodology

Background research was conducted to identify all recorded historic properties within the project area. Historic and environmental contexts were also reviewed to identify areas likely to contain cultural materials. Archival records checked included but are not limited to:

- Archaeological Site Files and report inventories of the ND-SHPO.
- NRHP listings of the National Park Service.

## 5.0 BACKGROUND RESEARCH RESULTS

Information regarding cultural resources sites is being provided for use in Project planning and evaluating impacts to resources. The public release of site-specific locational data provided by the State Historical Society of North Dakota requires the written permission of the Director thereof. The findings below:

### 5.1 National Register Properties

The NRHP inventory maintained by the National Park Service lists two NRHP properties within the DSID modernization PIFR Study Area (Table 1). Currently there are no NRHP listed properties within the record search area for the Watershed Project Study Area.

Table 1: National Register Properties.				
County	NRHP #	ND Site #	Legal Description	Name

### 5.2 Architectural Structures

The Architectural Structures database maintained by the ND-SHPO lists 5 architectural structures within the Project Study Area (Table 2). None of the Architectural Structures are within the Area of Direct Impact of proposed Alternatives.

Table 2: Architectural Structures.				
County	Structure Name	Structure #	Location	Township
DICKEY	LAND O' LAKES INC	32DI344		Bear Creek - Clement
DICKEY	SOO LINE DEPOT	32DI345		Bear Creek - Clement
DICKEY		32DI346		Bear Creek - Clement
DICKEY		32DI347		Bear Creek - Clement
DICKEY	OAKES FARM SUPPLY	32DI385		Bear Creek - Clement

### 5.3 Historic Sites

The historic sites database maintained by the ND-SHPO lists 15 historic sites within the Project Study Area (Table 3). One site is in or near one of the proposed alternatives- Site 32DI5; this alternative will be modified to avoid impacting the historical site.				
Table 3: Historic Sites.				
County	Site Name	Site #	Location	Township
DICKEY	JOHN N. CHAMBERLAIN HOMESTEAD	32DI2		Bear Creek - Clement
DICKEY	FERGUSON/REHOVSKY FARM	32DI3		Bear Creek - Clement
DICKEY	JOHNSON FAMILY FARM	32DI4		Hudson-Riverdale



DICKEY	LIBBY/JOHNSON FARM	32DI5		Hudson-Riverdale
DICKEY	SEVERSON'S HOUSE	32DI6		Hudson-Riverdale
DICKEY	PETERSON HOMESTEAD	32DI10		Hudson-Riverdale
DICKEY	MARY GREENWALD HOME	32DI12		Lovell
DICKEY	BOYCE/BOYER FARMSTEAD	32DI13		Hudson-Riverdale
DICKEY	HUDSON TOWNSITE; STATE HISTORIC SITE	32DIX20		Hudson-Riverdale
DICKEY	NICOLLET CAMP	32DIX21		Hudson-Riverdale
DICKEY	NEWTON POST OFFICE	32DIX22		Hudson-Riverdale
DICKEY	CRESCENTHILL TOWNSITE	32DIX24		Hudson-Riverdale
	CHICAGO & NORTHWESTERN RAILROAD; GREAT NORTHERN RAILROAD; RED RIVER VALLEY & WESTERN RAILROAD	32DI111		
DICKEY	BEAR CREEK SCHOOL; FORMER NAZARENE, METHODIST CHURCH; OAKES HISTORIC PARK CHURCH	32DI302		Bear Creek - Clement
DICKEY	BENZEL FARM BARN	32DIX292		Bear Creek - Clement

#### 5.4 Cemeteries

No historic cemeteries were identified within the Project Study Area (Table 4).

Table 4: Historic Cemeteries.				
		ND-SHPO #	Legal Description	Township Name

#### 5.5 Archaeological Sites

The North Dakota archaeological site database maintained by the SHPO was examined to identify all known archaeological sites within the DSID Modernization Project Study Area. The literature search identified a total of 4 archaeological sites (Table 5, Exhibit 1). No archaeological sites are within the proposed alternatives area of direct impact.

Table 5: Archaeological Sites.				
County	Site Number	Description	Legal Description	Township
Dickey	32DIX79	Isolate		Hudson- Riverdale
Dickey	32DIX163	Isolate		Bear Creek - Clement
Dickey	32DIX76	Archaeological site		Hudson- Riverdale
Dickey	32DI139	Archaeologic Isolate		Bear Creek - Clement

## 5.6 Previous Cultural Resource Surveys

MANUSCRIPT TITLE	MS NO	COMPANY	REPORT TYPE	AUTHORS	REPORT YR	ACRES
THE INVENTORY OF PROPOSED ACTIVITIES RELATED TO WATER SERVICES IN THE OAKES TESTING AREA, DICKEY COUNTY, NORTH DAKOTA	004771	BUREAU OF RECLAMATION	INVENTORY	(DEL BENE, TERRY A. - PRIMARY AUTHOR)	1989	12
THE ARCHAEOLOGICAL INVENTORY OF TEST WELLS IN THE OAKES TEST AREA, DICKEY COUNTY, NORTH DAKOTA (REPORT 90-MS-32)	005073	BUREAU OF RECLAMATION	INVENTORY	(DEL BENE, TERRY A. - PRIMARY AUTHOR)	1990	58
INTERSTATE ENGINEERING'S DICKEY COUNTY RURAL WATER PIPELINE PHASE 2, PLAN B: A CLASS II & CLASS III CULTURAL RESOURCE INVENTORY IN DICKEY & LAMOURE COUNTIES, NORTH DAKOTA	006631	METCALF ARCHAEOLOGICAL CONSULTANTS, INC.	INVENTORY	(KULEVSKY, ANDREA - PRIMARY AUTHOR)	1995	2636
WEST OAKES TEST AREA CULTURAL RESOURCES SURVEY OF SELECTED LANDS IN DICKEY CO., ND UW #2000	007107	UNDAR WEST	INVENTORY	(KLINNER, DUANE G. - PRIMARY AUTHOR)	1998	124.66
RESULTS OF A CLASS II AND III CULTURAL RESOURCE INVENTORY FOR RANSOM-SARGENT WATER USERS, INC., BARNES, CASS, DICKEY, LAMOURE, RANSOM & SARGENT CO., ND VOL I & II	009093	LTA, INC.	INVENTORY	(LARSON, THOMAS K. - PRIMARY AUTHOR);(PENNY, DORI M. - CONTRIBUTING AUTHOR);(ROTHWELL, SARAH J. - CONTRIBUTING AUTHOR)	1998	3465
FINAL REPORT OF THE OAKES INVENTORY PROJECT NORTH DAKOTA CULTURAL RESOURCES SURVEY 1986-1987, DICKEY CO. ND	004284	GEMINI RESEARCH	INVENTORY	(GRANGER, SUSAN - PRIMARY AUTHOR);(KELLY, SCOTT - CONTRIBUTING AUTHOR)	1987	0
ADDENDUM 6 TO KEYSTONE PIPELINE PROJECT: CLASS I, II, AND III CULTURAL RESOURCE INVESTIGATIONS IN EASTERN NORTH DAKOTA: OAKES SIDING DICKEY CO.	010433	METCALF ARCHAEOLOGICAL CONSULTANTS, INC.	INVENTORY	(VON WEDELL, CHRISTOPHER R. - PRIMARY AUTHOR)	2008	42
ARCHAEOLOGICAL SURVEYS IN THE GARRISON DIVERSION UNIT, NORTH DAKOTA	000107	UNIVERSITY OF NORTH DAKOTA	INVENTORY	(SCHNEIDER, FRED - PRIMARY AUTHOR);(VEHIK, RAIN - CONTRIBUTING AUTHOR)	1974	1920
A CLASS III INTENSIVE CULTURAL RESOURCE INVENTORY LETTER REPORT FOR THE PROPOSED NORTH OAKES REROUTE ALONG THE EDGELEY TO FORMAN 69-K V TRANSMISSION LINE, IN DICKEY AND SARGENT COUNTIES, NORTH DAKOTA	016610	WESTERN AREA POWER ADMINISTRATION	INVENTORY	(KLUTH, DAVID W. - PRIMARY AUTHOR)	2015	35.3
SOUTH EAST WATER USER DISTRICT SYSTEM WIDE EXPANSION PROJECT: CLASS II AND CLASS III CULTURAL RESOURCE INVENTORY, DICKEY, LAMOURE, LOGAN, RANSOM, RICHLAND, AND SARGENT COUNTIES, NORTH DAKOTA	017220	JUNIPER, LLC	INVENTORY	(MORRISON, JOHN G. - CONTRIBUTING AUTHOR);(ROHE, CHRIS M. - PRIMARY AUTHOR)	2017	1273
PCN 21944 PROJECT # 2-001(074)014 NORTH DAKOTA DEPARTMENT OF TRANSPORTATION'S HWY 1 AND HWY 11 JUNCTION: A CLASS III CULTURAL RESOURCE INVENTORY IN DICKEY COUNTY, NORTH DAKOTA	017911	METCALF ARCHAEOLOGICAL CONSULTANTS, INC.	INVENTORY	(BOSTYAN, DIERDRE - CONTRIBUTING AUTHOR);(MEENS, DAAN - PRIMARY AUTHOR)	2018	12
PHASE 1—CLASS III CULTURAL RESOURCE SURVEY, UPPER MISSOURI RIVER BASIN, NORTH DAKOTA	019125	SEARCH, INC.	INVENTORY	(HARRELL, BRYAN - CONTRIBUTING AUTHOR);(PISCITELLI, MATTHEW - PRIMARY AUTHOR)	2020	11

FINAL REPORT OF AN ARCHITECTURAL AND HISTORICAL SURVEY ON APPROXIMATELY 121,265 ACRES IN CENTRAL NORTH DAKOTA, DICKY, SARGENT, LAMOURE, STUTSMAN, EDDY, WELLS & SHERIDAN COUNTIES	002477	BUREAU OF RECLAMATION	OTHER	(REYNOLDS, WILLIAM E. - CONTRIBUTING AUTHOR);(STARR, DENNIS J. - PRIMARY AUTHOR)	1979	0
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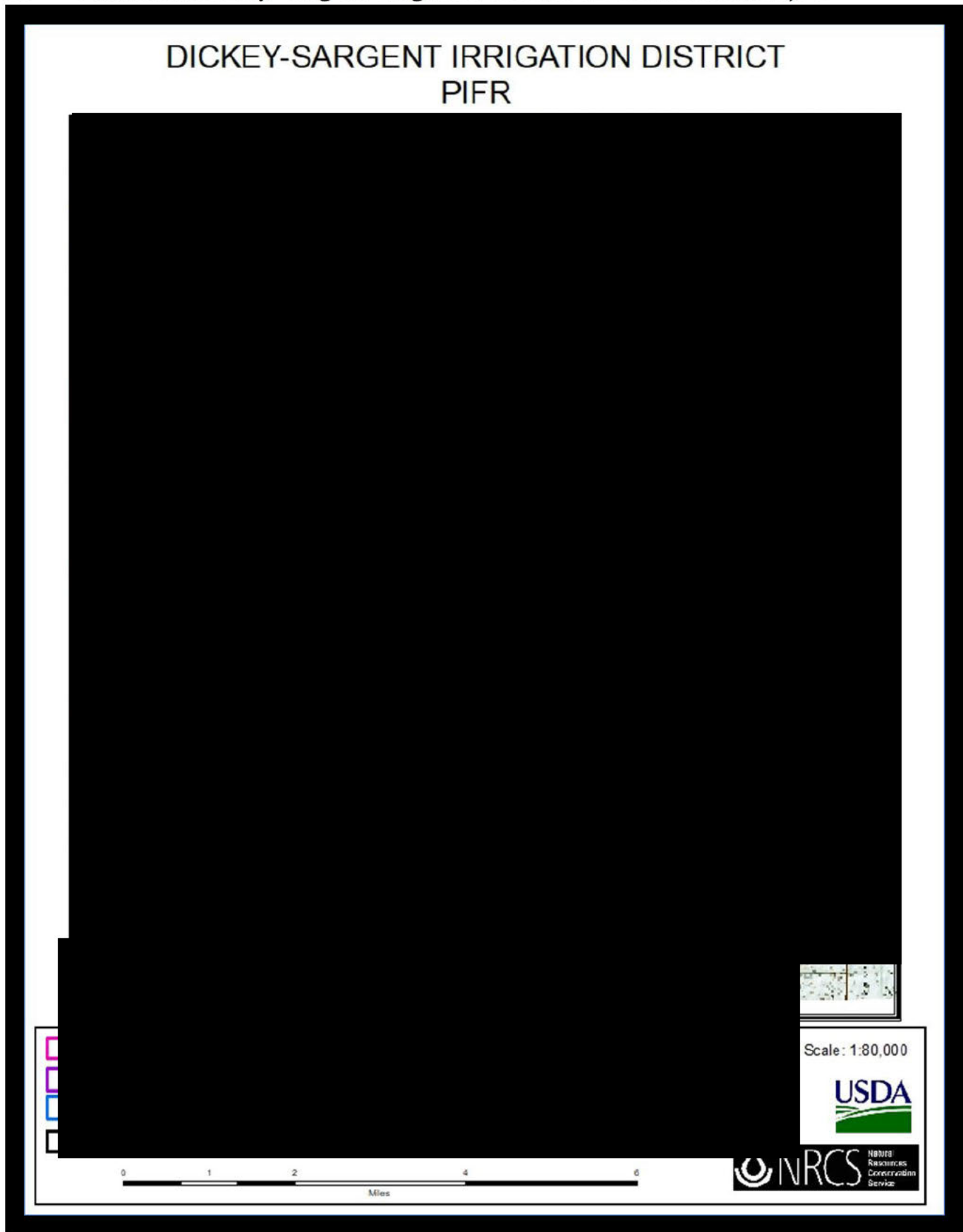
## 6.0 CONCLUSION

Two NRHP properties, 5 architectural structures, 15 historic sites, 0 historic cemeteries and 4 archaeological sites were identified within the Project Study Area (Exhibits 1 through 3).

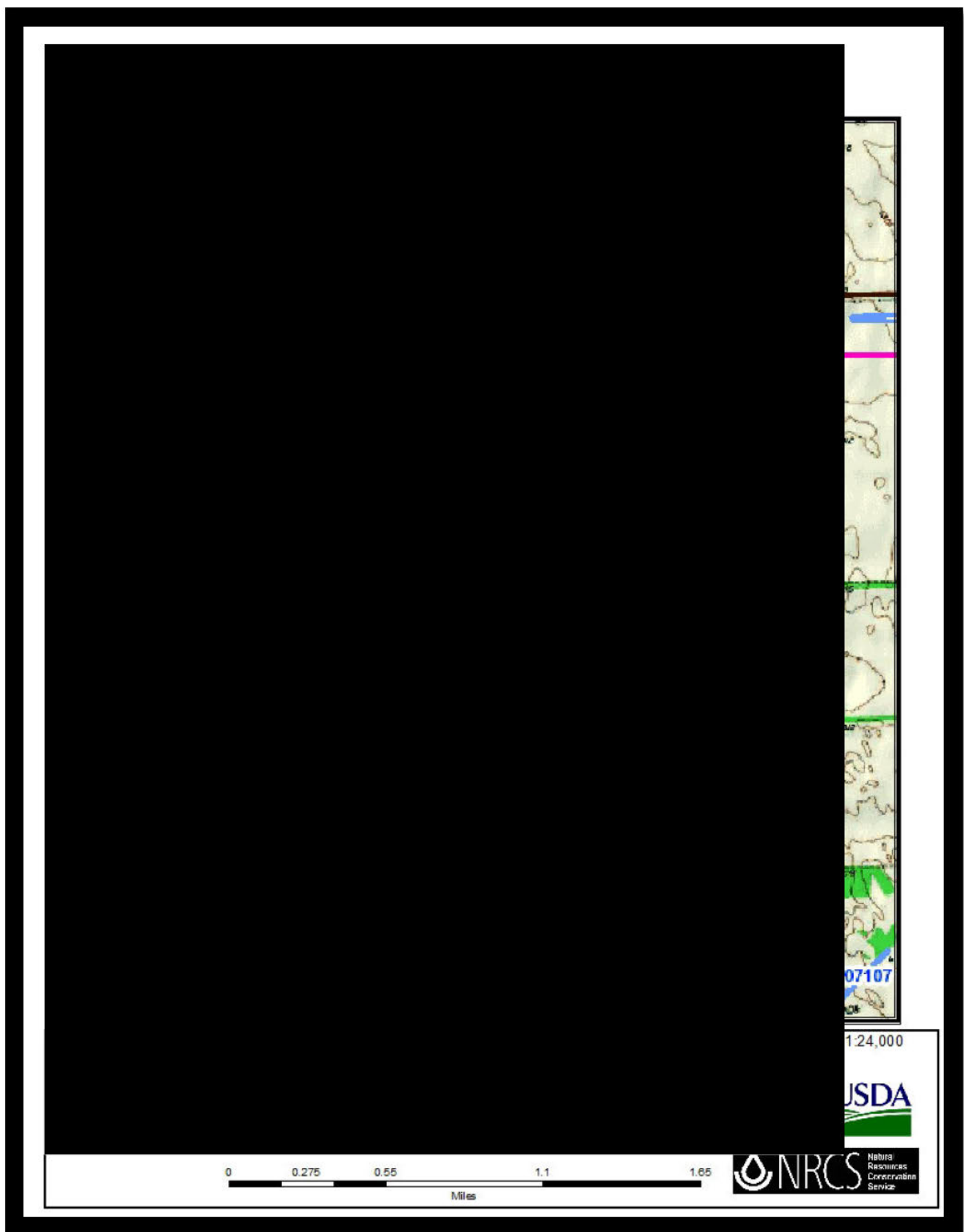
All Cultural Resources will be avoided if the DSID Modernization Project moves forward. The proposed project as designed will have **No Effects to Historic Properties.**

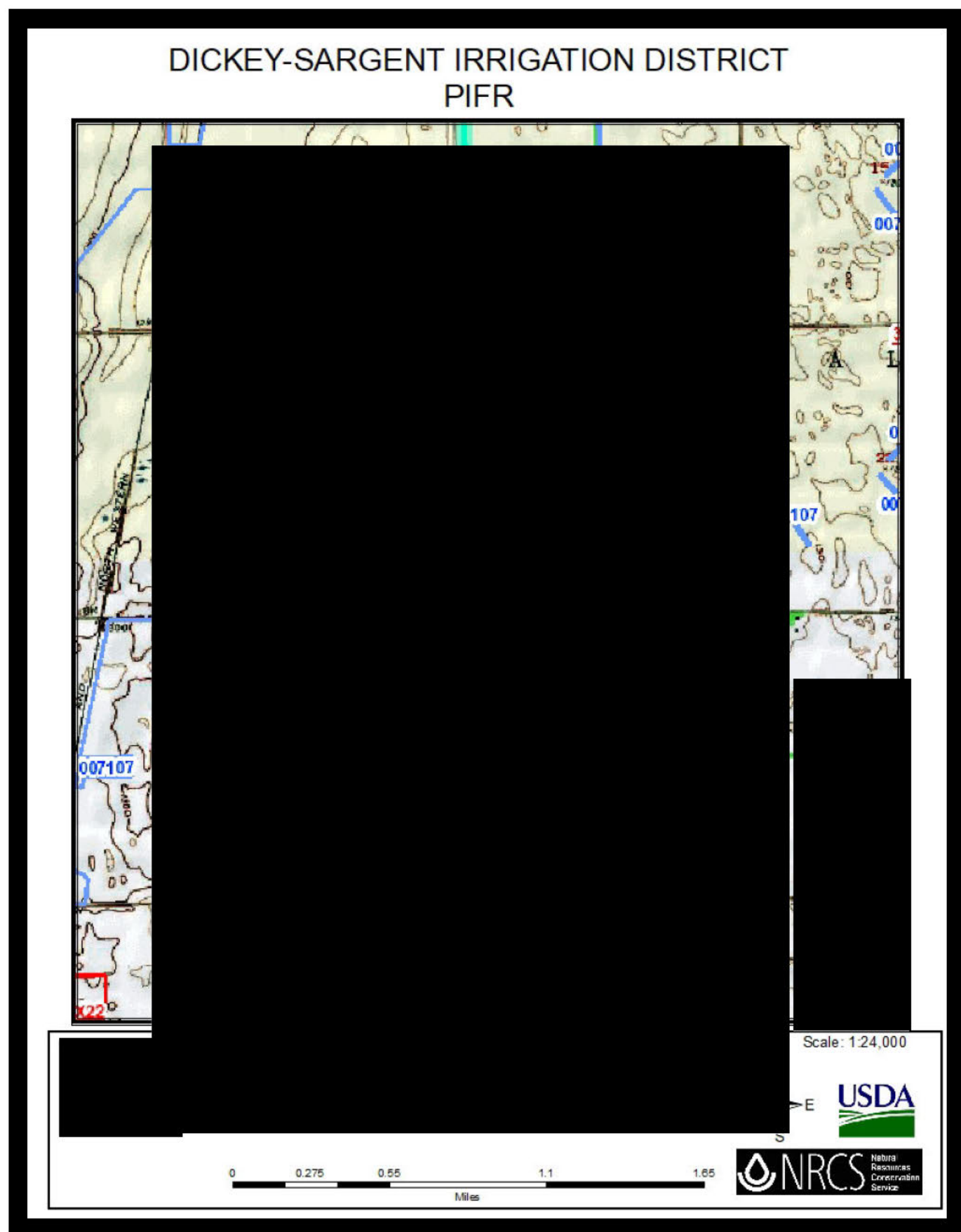
## 7.0 EXHIBITS

### 7.1 *Exhibit 1: Dickey-Sargent Irrigation District Modernization Project*

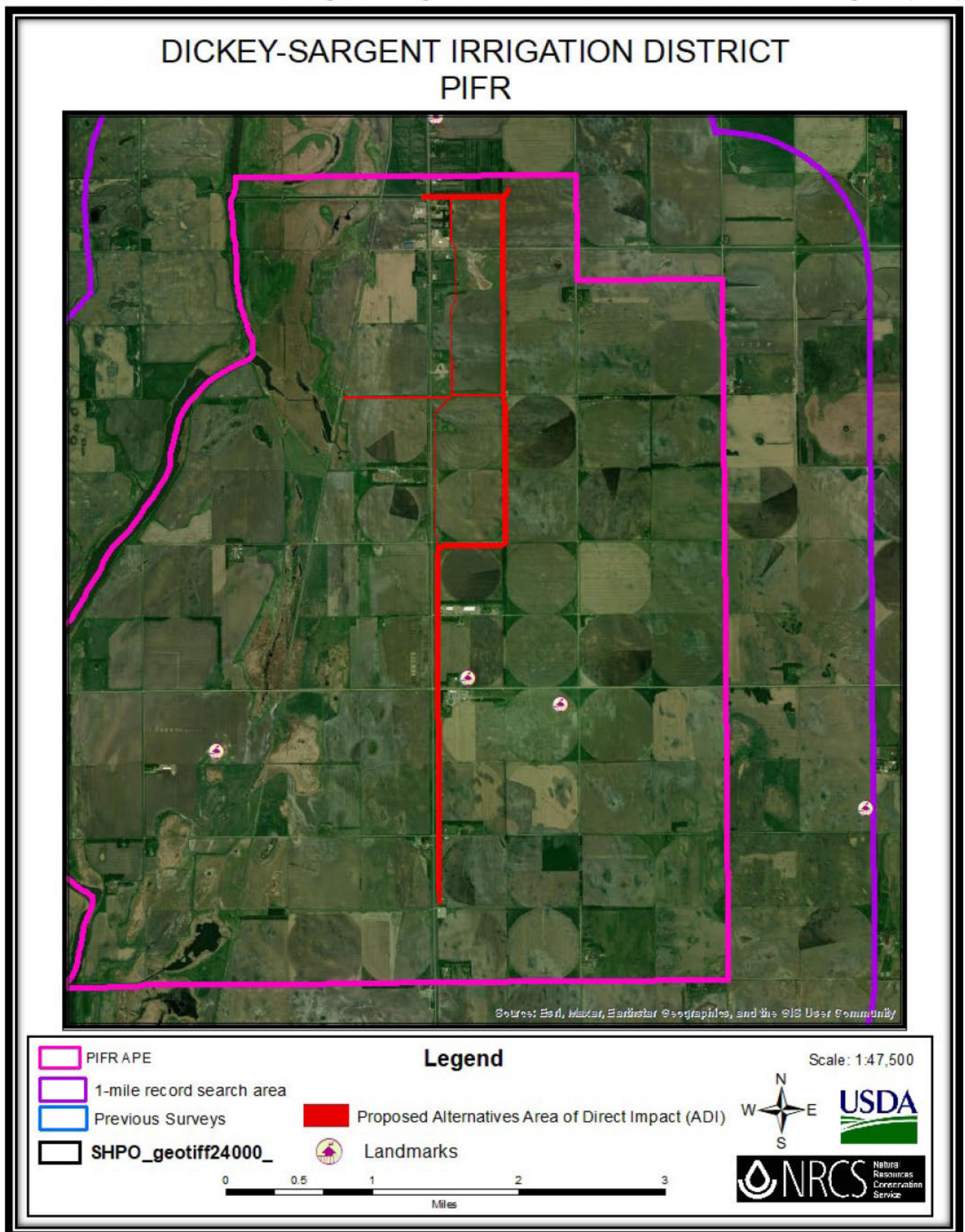


7.2 *Exhibit 2: Historic Resources North*









## 8.0 REFERENCES

### State Historical Society of North Dakota

**2020** *North Dakota SHPO Guidelines Manual for Cultural Resource Inventory Projects*. State Historical Society of North Dakota, Archaeology and Historic Preservation Division, Bismarck.

### Farm Service Agency

**2023** [Dickey County, North Dakota, Soil Survey Index] retrieved from Google Earth Soil-Web

**2023** [Sargent County, North Dakota, Soil Survey Index] retrieved from Google Earth Soil-Web

### National Park Service.

**2023** *The National Register of Historic Places-Minnesota Checklist*. [www.nps.gov/history/nr/nrlist.htm](http://www.nps.gov/history/nr/nrlist.htm) National Park Service, Washington D.C.

### State Historical Society Of North Dakota

**2023** The North Dakota State Historic Preservation Office historic properties data base maintained in Bismarck, ND

### U. S. Department of the Interior.

**2023** General Land Office Records. [www.glorerecords.blm.gov](http://www.glorerecords.blm.gov) Bureau of Land Management, Washington D.C.

### North Dakota Geographic Information Systems.

**2023** HUB Data Portal. <https://gishubdata-ndgov.hub.arcgis.com/search?q=landmarks> The Geographic Names Information System, State of North Dakota