

Appendix G

Cultural Resource Literature Review for the Three Waters Wind Energy Project, Jackson County, Minnesota

PUBLIC VERSION - NOT PUBLIC DATA HAS BEEN EXCISED

***Cultural Resource Literature Review for the
Three Waters Wind Energy Project, Jackson County,
Minnesota – Public Version***

***Minnesota State Historic Preservation Office
Project Number 2019-2340***

**Prepared by:
Abraham Ledezma**



October 17, 2019



October 17, 2019

Joe Sedarski
 Senior Project Manager
 Wenck Associates, Inc.
 7500 Olson Memorial Highway, Suite 300
 Golden Valley, MN 55427

**Subject: Cultural Resource Literature Review for the Three Waters Wind Energy Project, Jackson County, Minnesota – Public Version
 Minnesota State Historic Preservation Office Project Number 2019-2340**

Dear Mr. Sedarski,

On behalf of Three Waters Wind Farm LLC (Three Waters) and Wenck Associates, Inc. (Wenck), this letter report presents the results of a cultural resource literature review conducted by In Situ Archaeological Consulting, LLC (In Situ) for the Three Waters Wind Energy Project (Project). The proposed Project is located in Jackson County, Minnesota and within the legal locations listed in Table 1 (Project Area) and indicated in Figure 1.

Table 1: Legal Locations of the Proposed Project Area		
Township (T)	Range (R)	Section(s)
101 North	36 West	6
101 North	37 West	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35
101 North	38 West	11, 12, 13, 14, 15, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35, 36
102 North	36 West	30, 31
102 North	37 West	7, 8, 9, 10, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36
102 North	38 West	12, 13, 24, 25

This cultural resource literature review was performed for Three Waters and Wenck in preparation for environmental review and design of the Project. The Project Area is located approximately 10 miles west of Jackson, Minnesota and encompassing approximately 48,087 acres. The literature review was conducted between May 14 and 16, 2019, and September 12, 2019 using the site data files and previous inventory files maintained at the Minnesota Office of the State Archaeologist (OSA) and at Minnesota State Historic Preservation Office (SHPO). The entire proposed Project Area is located within Jackson County, Minnesota, however a portion of the literature review study

area extends into Nobles County, MN and Osceola and Dickinson Counties, Iowa. Therefore, additional literature reviews were conducted using the site data files and previous inventory files maintained at the Iowa OSA and at Iowa SHPO.

BACKGROUND RESEARCH

A literature search was conducted within a 2-mile study area (Study Area) of the proposed Project Area (Figure 1). The task was completed using site data files and previous inventory files maintained at the Minnesota OSA, Minnesota SHPO, Iowa OSA, and Iowa SHPO. In addition, background research was completed by reviewing publicly available National Register of Historic Places (NRHP) data, historic maps, cemetery/burial records, atlases, current aerial photographs, soil maps, topographic and geomorphic data, and other sources that might provide information for the locations of historic-era sites, areas of prior disturbance, etc. Enclosed are the cultural resource literature review maps illustrating the Study Area around the Project Area and the previous cultural resource locations and cultural resource inventories as described below (Figures 1-16).

The records search revealed 25 previously recorded archaeological sites (Table 2), 25 previously recorded historic structures (Table 3), and 14 previous cultural resource inventories (Table 4) within the Study Area. Of these resources, eight previously recorded cultural resources and 13 previously recorded historic structures are located within the proposed Project Area.

Table 2: Previous Cultural Resources within 2 Miles of the Project Area.					
Site Number	Legal Location	Cultural Affiliation	Site Type	NRHP Eligibility	Within Project Area
13DK006	REDACTED	Prehistoric	Habitation	Unevaluated	No
13DK026	REDACTED	Prehistoric	Artifact Scatter; Camp	Unevaluated	No
13DK173	REDACTED	Prehistoric Archaic	Artifact Scatter	Unevaluated	No
13DK174	REDACTED	Prehistoric Paleo-Indian, Archaic	Artifact Scatter	Unevaluated	No
13OA002	REDACTED	Prehistoric Archaic	Artifact Scatter; Camp	Unevaluated	No
13OA003	REDACTED	Prehistoric	Village	Unevaluated	No
13OA043	REDACTED	Prehistoric Woodland	Artifact Scatter	Unevaluated	No
13OA044	REDACTED	Prehistoric	Artifact Scatter	Unevaluated	No
21JK003	REDACTED	Prehistoric Woodland	Habitation	Unevaluated	No
21JK005	REDACTED	Prehistoric	Habitation	Unevaluated	No

Table 2: Previous Cultural Resources within 2 Miles of the Project Area.					
Site Number	Legal Location	Cultural Affiliation	Site Type	NRHP Eligibility	Within Project Area
21JK007	REDACTED	Prehistoric Woodland	Habitation; Mound	Unevaluated	No
21JK008	REDACTED	Prehistoric Late Woodland	Artifact Scatter	Unevaluated	Yes
21JK009	REDACTED	Prehistoric	Habitation	Unevaluated	Yes
21JK018	REDACTED	Historic Euro-American	Artifact Scatter	Not Eligible	No
21JK029	REDACTED	Prehistoric	Artifact Scatter	Unevaluated	Yes
21JK039	REDACTED	Prehistoric	Artifact Scatter	Unevaluated	No
21JK040	REDACTED	Prehistoric	Artifact Scatter	Unevaluated	Yes
21JK041	REDACTED	Prehistoric	Artifact Scatter	Unevaluated	No
21JK047	REDACTED	Prehistoric	Artifact Scatter	Unevaluated	No
21JK050	REDACTED	Prehistoric	Artifact Scatter	Unevaluated	No
21JKo	REDACTED	Prehistoric	Campsite – Site Lead	Unevaluated	Yes
21JKq	REDACTED	Prehistoric	Campsite – Site Lead	Unevaluated	Yes
21JKs	REDACTED	Prehistoric	Campsite – Site Lead	Unevaluated	No
21JKt	REDACTED	Prehistoric	Habitation – Site Lead	Unevaluated	Yes
21JKv	REDACTED	Unknown	Artifact Scatter – Site Lead	Unevaluated	Yes

Of the archaeological sites in the Study Area, there are four prehistoric habitation sites (13DK006, 21JK003, 21JK005, and 21JK009), eleven prehistoric artifact scatter sites (13DK173, 13DK174, 13OA043, 13OA044, 21JK008, 21JK029, 21JK039, 21JK040, 21JK041, 21JK047, and 21JK050), two prehistoric artifact scatter/camp sites (13DK026 and 13OA002), one prehistoric village site (13OA003), one prehistoric habitation/mound site (21JK007), one historic artifact scatter site (21JK018), three prehistoric campsite site leads (21JKo, 21JKq, and 21JKs), one prehistoric habitation site lead (21JKt), and one artifact scatter site lead of unknown cultural affiliation (21JKv). A “site lead” is a resource that the exact site type and location remains unverified and has not been verified, recorded, or evaluated by an archaeologist. Of these sites, 21JK018 is not eligible for the NRHP and the remaining 24 sites are unevaluated for the NRHP. The mound/burial

site, 21JK007, is protected by the Native American Grave Protection and Repatriation Act (NAGPRA).

Table 3: Previous Historic Structures within 2 Miles of the Project Area.				
Site	Site Name/Type	Address/ Location	NRHP Eligibility	Within Project Area
30-00183	Bridge # 145305	Approx. 6 miles NE of Lake Park	Not Eligible	No
JK-EWT-002	Grace Lutheran Church	Off Twp. Rd.	Unevaluated	No
JK-RLT-003	Round Lake Town Hall	Off Twp. Rd.	Unevaluated	Yes
JK-RST-001	St. Paul's Church	Off Co. Hwy. 12	Unevaluated	Yes
JK-RST-002	St. Paul's School	Off Co. Hwy. 12	Unevaluated	Yes
JK-RST-003	St. Paul's Teacherage	Off Co. Hwy. 12	Unevaluated	Yes
JK-RST-004	Rost Town Hall	NW corner U.S. Hwy. 16 & Co. Rd. 9	Unevaluated	No
JK-RST-005	Richard Voehl Farmhouse	Off Twp. Rd.	Unevaluated	No
JK-RST-006	Richard Voehl Barn	Off Twp. Rd.	Unevaluated	No
JK-RST-007	Richard Voehl Granary	Off Twp. Rd.	Unevaluated	No
JK-RST-008	Richard Voehl Corncrib	Off Twp. Rd.	Unevaluated	No
JK-RST-009	Richard Voehl Metal-Sided Barn	Off Twp. Rd.	Unevaluated	No
JK-RST-010	Bridge No. 0593	Carries unpaved TR over Little Sioux River	Not Eligible	Yes
JK-SXV-001	Log Cabin Steak House & Dance Hall	Off Co. Hwy. 9	Unevaluated	Yes
JK-SXV-002	Sioux Valley Store	SW corner Co. Hwy. 4 & Co. Hwy. 9	Unevaluated	Yes
JK-SXV-003	Sioux Valley Creamery	Off Co. Hwy. 9	Unevaluated	Yes
JK-SXV-004	Trinity Lutheran Church	SE corner Co. Hwy. 9 & Co. Hwy. 4	Unevaluated	Yes
JK-SXV-005	Sioux Valley School	SW corner Co. Hwy. 4 & Co. Rd. 9	Unevaluated	Yes
JK-SXV-006	Sioux Valley Teacherage No.1	SW corner Co. Hwy. 4 & Co. Rd. 9	Unevaluated	Yes
JK-SXV-007	Sioux Valley Teacherage No. 2	SW corner Co. Hwy. 4 & Co. Rd. 9	Unevaluated	Yes

Table 3: Previous Historic Structures within 2 Miles of the Project Area.				
Site	Site Name/Type	Address/ Location	NRHP Eligibility	Within Project Area
JK-SXV-008	Bridge No. 89254	Carries unpaved CH62 over West Fork of Little Sioux River on Iowa border	Not Eligible	Yes
NO-RLC-001	State Bank of Round Lake	194 Main St.	Eligible	No
NO-RLC-002	Grocery	SW corner 2nd St. & Main St.	Unevaluated	No
NO-RLC-003	Meat Market	Main St.	Unevaluated	No
NO-RLC-004	Jim's Tap	Main St.	Unevaluated	No

Of the historic structures in the Study Area, one resource (NO-RLC-001) is *eligible* for the NRHP, three structures (30-00183, JK-RST-010, and JK-SXV-008) are *not eligible* for the NRHP, and the remaining 21 resources are *unevaluated* for the NRHP.

Table 4: Previous Cultural Resource Surveys within 2 Miles of the Project Area.				
Manuscript Number	Title	Authors	Year	Overlap with Project Area
19780230432	IA 2SB OXT 2 001602 Channel Fill West Fork, Little Sioux River, Dickinson County. Iowa	Till, Anton	1978	No
19800330033	L-278 Grading and Draining Dickinson County. Iowa	Fokken, Michael J.	1980	No
19900530013	A Phase I Archaeological Survey of Local Systems Project L-446 and Bros-9030(5)—5F-30 A.K.A. FHWA 145305 Dickinson County, Iowa and Jackson County, Minnesota	Artz, Joe A.	1990	No
19960930031	Phase I Archaeological Survey of Two Proposed Borrow Areas for Project L-FM-453(9) in Section 10, T100N-R38W, Dickinson County	Morrow, Toby A	1996	No
19980600059	Archaeological Investigation at Nine DNR Tracts in Dickinson, Hancock, and Wright Counties, Iowa	Peterson, Cynthia L.	1998	No
JK-87-01	Interim Report, Order Number 30181 01075 FY87, Cultural Resource Investigation, Jackson, Meeker, Kandiyohi, and Stearns Counties, Minnesota	Unknown	1987	No

Table 4: Previous Cultural Resource Surveys within 2 Miles of the Project Area.

Manuscript Number	Title	Authors	Year	Overlap with Project Area
JK-91-02	Minnesota Department of Natural Resources, Trails & Waterways Unity Water Access Program Cultural Resource Review – Preliminary Report: Skunk Lake Public Water Access	Emerson, Patricia	1991	Yes
JK-06-01	Phase I Cultural Resources Survey for the Lakefield and Windom Lines – County Road 34 Relocations Project, Jackson County, Minnesota	Bielakowski, Andrew	2006	No
JK-09-01	Report of Archaeological Reconnaissance Survey: Proposed Building Site Clean-Up in the Sangl WMA, Jackson County, Minnesota	Allan, Stacy and Michael A. Magner	2009	No
JK-09-02	Phase I Archaeological Reconnaissance Survey of the Lakefield Wind Project, Jackson County, Minnesota	Grohnke, Ryan P. and Kevin J. Mieras	2009	No
JK-10-02	Phase I Archaeological Reconnaissance Survey of the Lakefield Wind Project, Jackson County, Minnesota	Grohnke, Ryan P. and Kevin J. Mieras	2010	No
JK-15-01	Cultural Resource Reconnaissance Survey for Proposed Water Control Structure Replacement in the Sioux Valley WMA, Jackson County, Minnesota	Allan, Stacy and Michael A. Magner	2015	Yes
Mult-12-05	A Combined Phase IA Field Review and Phase I Archaeological Field Investigation on Parts of Jackson and Martin Counties, Minnesota	Stemper, Clifford A.	2012	No
Mult-16-04	A Combined Phase IA and Phase I Archaeological Field Investigation for Rural Electric Land Corridors on Parts of Jackson and Martin Counties, Minnesota	Stemper, Clifford A.	2016	Yes

The records search revealed 14 previous cultural resource inventories that were completed within the Study Area. The surveys were reported on between 1978 to 2016 and were completed in support of multiple other projects including commercial land development, DNR projects, wind energy projects, water projects, and electric corridor projects.

Of the resources listed above, eight previously recorded archaeological sites and 13 previously recorded historic structures are located within the proposed Project Area (see Figures 2-16). The archaeological sites include: 21JK008, 21JK009, 21JK029, 21JK040, 21JKo, 21JKq, 21JKt, and 21JKv. All of the archaeological sites within the proposed Project Area are *unevaluated* for the NRHP. The historic structures include: JK-RLT-003, JK-RST-001, JK-RST-002, JK-RST-003,

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JK-RST-010, JK-SXV-001, JK-SXV-002, JK-SXV-003, JK-SXV-004, JK-SXV-005, JK-SXV-006, JK-SXV-007, JK-SXV-008. Architectural resources JK-RST-010 and JK-SXV-008 are *not eligible* for the NRHP and the remaining 11 architectural resources are *unevaluated* for the NRHP. Three of the previous cultural resource investigations (JK-91-02, JK-15-01, and Mult-16-04 – see Figures 2-13) overlap with portions of the Project Area.

REPORT SUMMARY

In Situ completed a cultural resource literature review for the Three Waters Wind Energy Project in Jackson County, Minnesota. The results reveal a total of 25 previously recorded archaeological sites, 25 previously recorded historic structures, and 14 previous cultural resource inventories within the Study Area.

Of these resources, eight previously recorded resources and 13 previously recorded historic structures are located within the proposed Project Area. The archaeological sites include: 21JK008, 21JK009, 21JK029, 21JK040, 21JKo, 21JKq, 21JKt, and 21JKv. All of the archaeological sites within the proposed Project Area are *unevaluated* for the NRHP.

The historic structures include: JK-RLT-003, JK-RST-001, JK-RST-002, JK-RST-003, JK-RST-010, JK-SXV-001, JK-SXV-002, JK-SXV-003, JK-SXV-004, JK-SXV-005, JK-SXV-006, JK-SXV-007, JK-SXV-008. Architectural resources JK-RST-010 and JK-SXV-008 are *not eligible* for the NRHP and the remaining 11 architectural resources are *unevaluated* for the NRHP. Three of the previous cultural resource investigations (JK-91-02, JK-15-01, and Mult-16-04) overlap with portions of the Project Area.

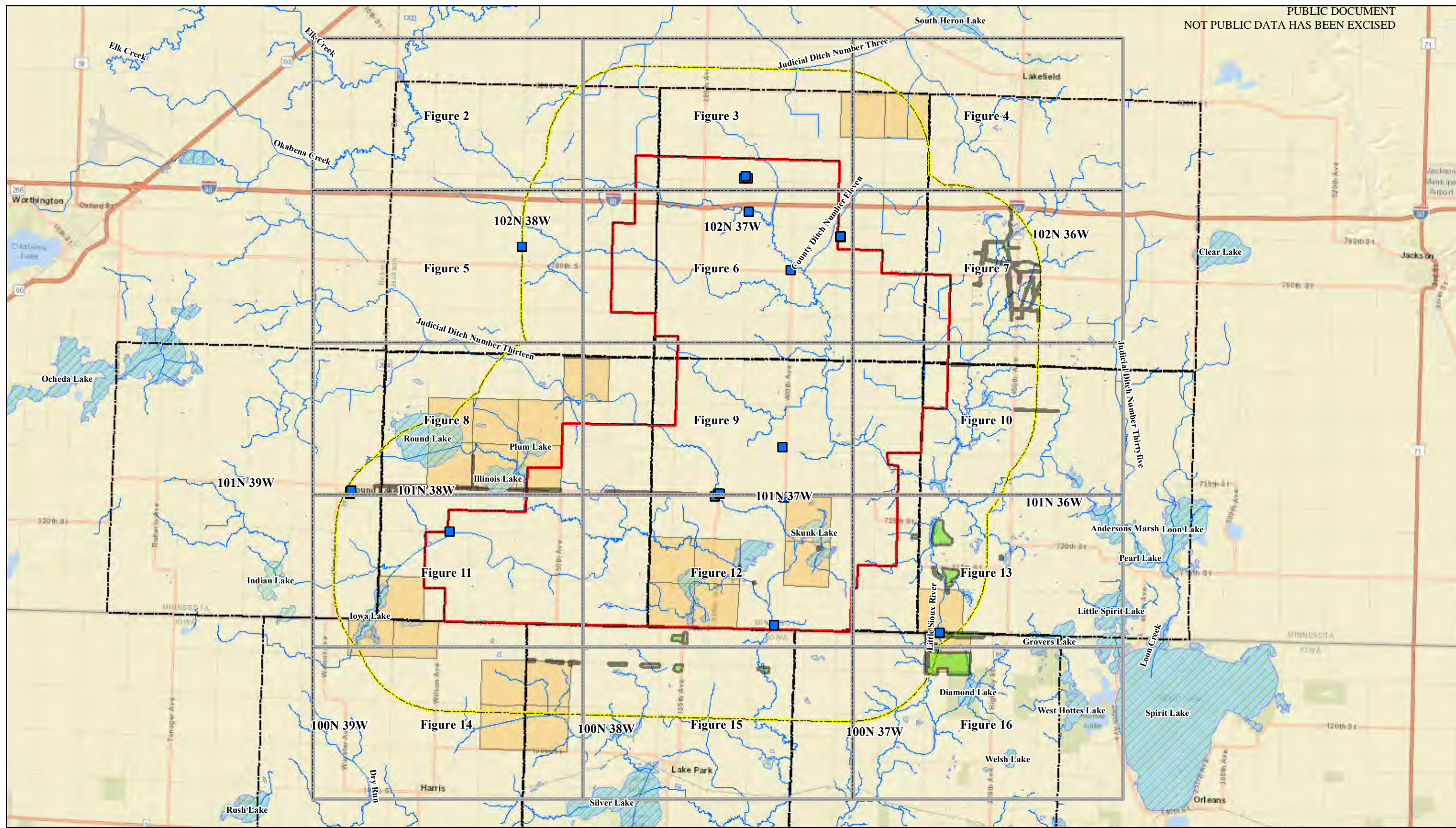
Please contact me at 952.658.9981 or aledezma@insirucrm.com should you have any further questions or concerns regarding the information assembled.

Sincerely,



Abraham Ledezma, M.S., RPA
Principal Investigator

Enclosures: Figure 1 - Literature Review Topographic Map (Project Overview)
Figures 2 to 16 - Literature Review Topographic Maps (Detailed)

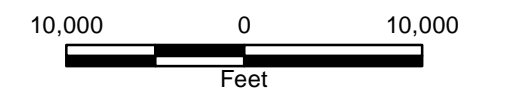
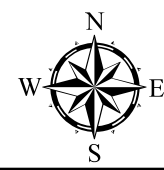


Legend

- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- THREE-MILE STUDY AREA PERMIT APPLICATION
- Township/Range Boundary
- NHD Stream/River
- NHD Waterbody
- Figures

**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Project Overview)**

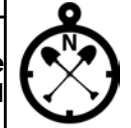
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa

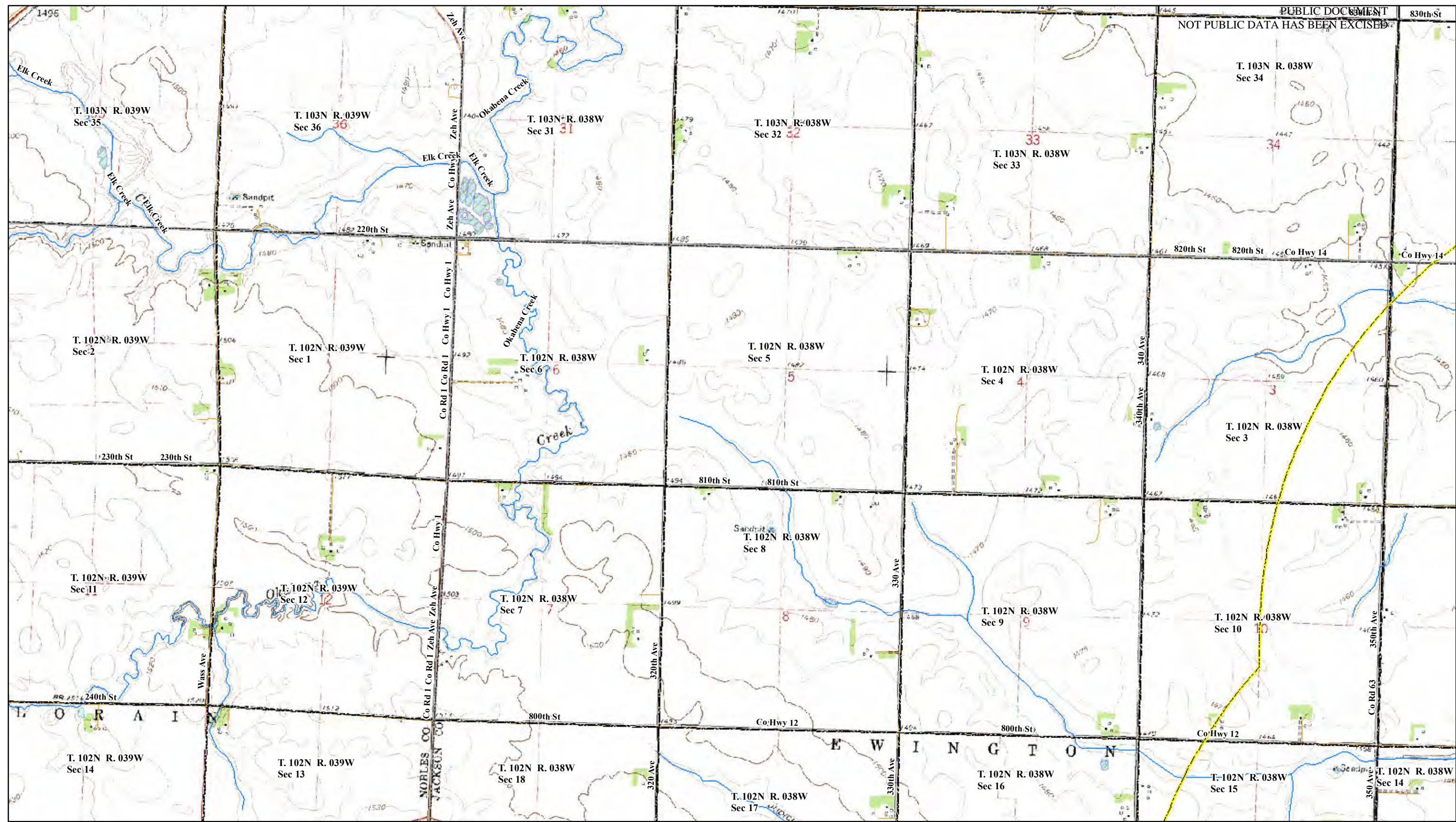


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Note: Aerial Imagery courtesy of ESRI

Figure 1. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).





Legend

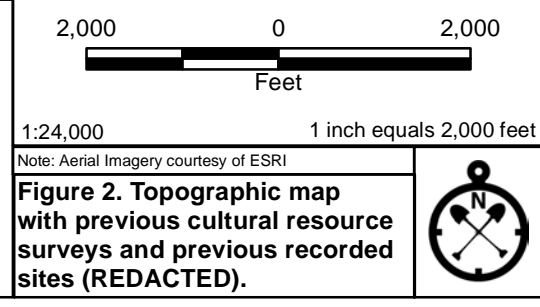
- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road

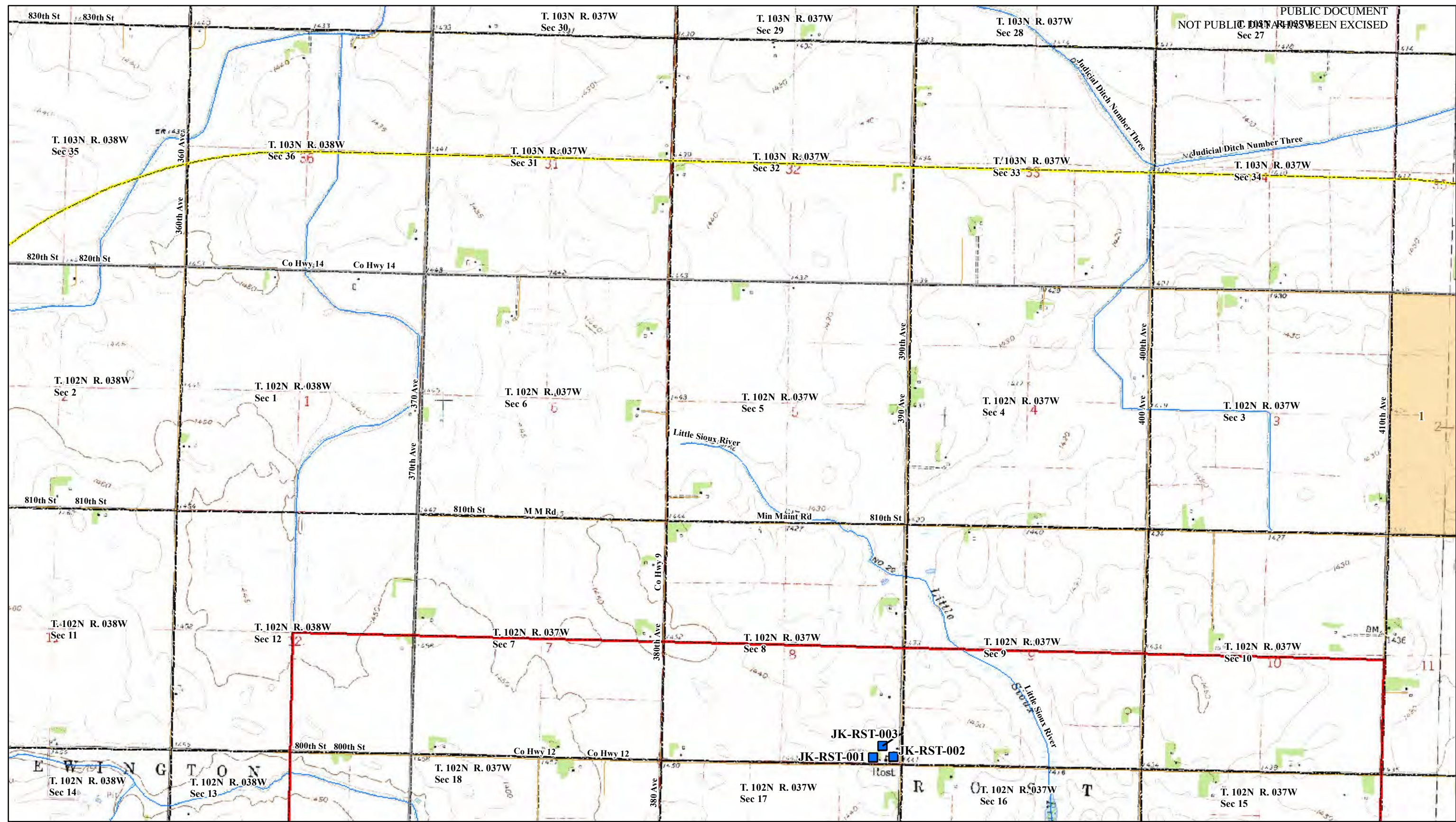
THREE WATERS SITE PERMIT APPLICATION
APPENDIX G - PUBLIC DOCUMENT NOT PUBLIC DATA HAS BEEN EXCISED



**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa

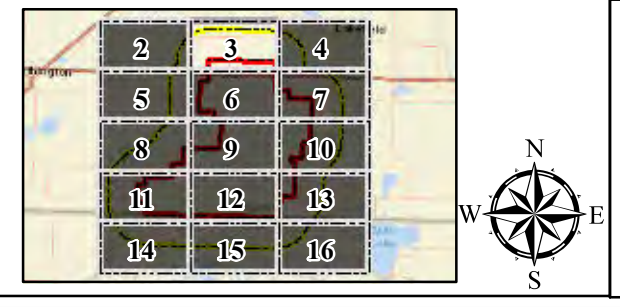




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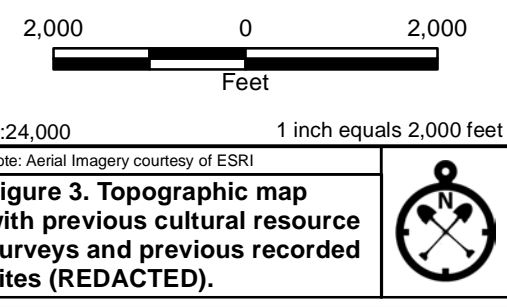
- Historic Structures
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- Township/Range/Section
- NHD Stream/River
- ▨ NHD Waterbody
- Road

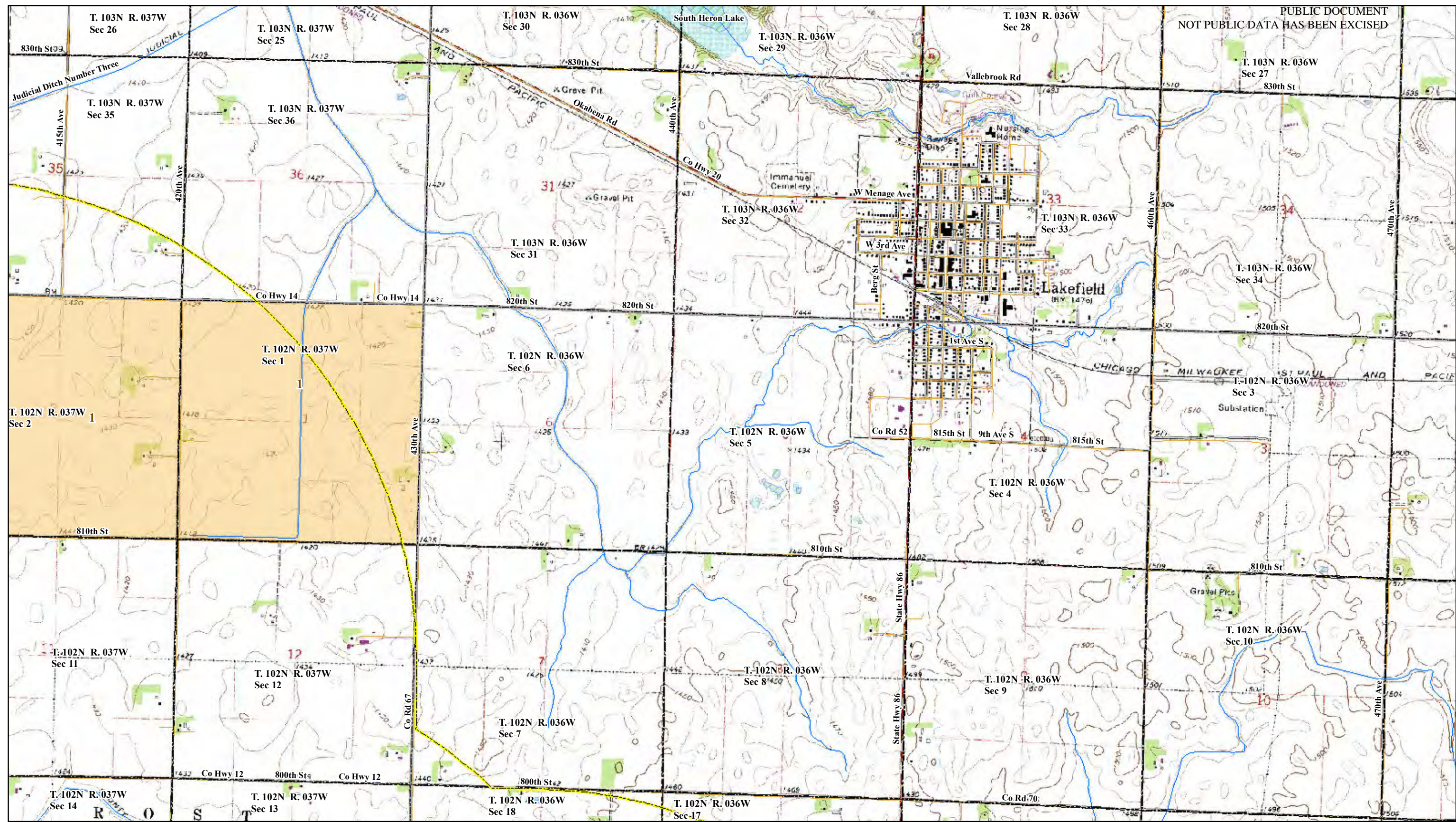
THREE WATERS SITE PERMIT APPLICATION
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**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa





Legend

- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road

THREE WATERS SITE PERMIT APPLICATION
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**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

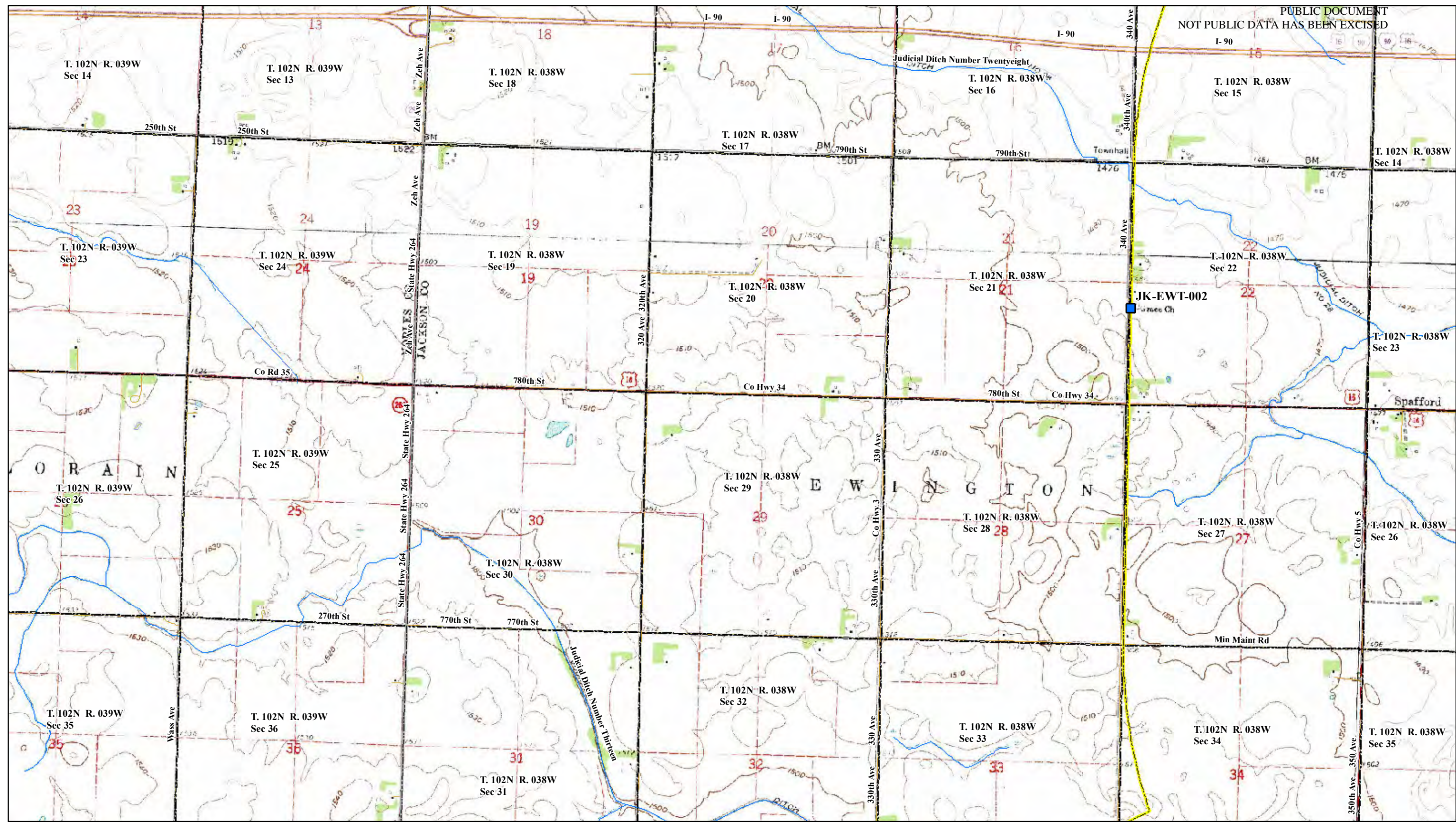
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa

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1:24,000 1 inch equals 2,000 feet

Note: Aerial Imagery courtesy of ESRI

Figure 4. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).



Legend

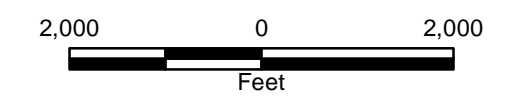
- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road

THREE WATERS SITE PERMIT APPLICATION
APPENDIX G - PUBLIC DOCUMENT NOT PUBLIC DATA HAS BEEN EXCISED



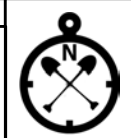
LITERATURE REVIEW TOPOGRAPHIC MAP (Detailed)

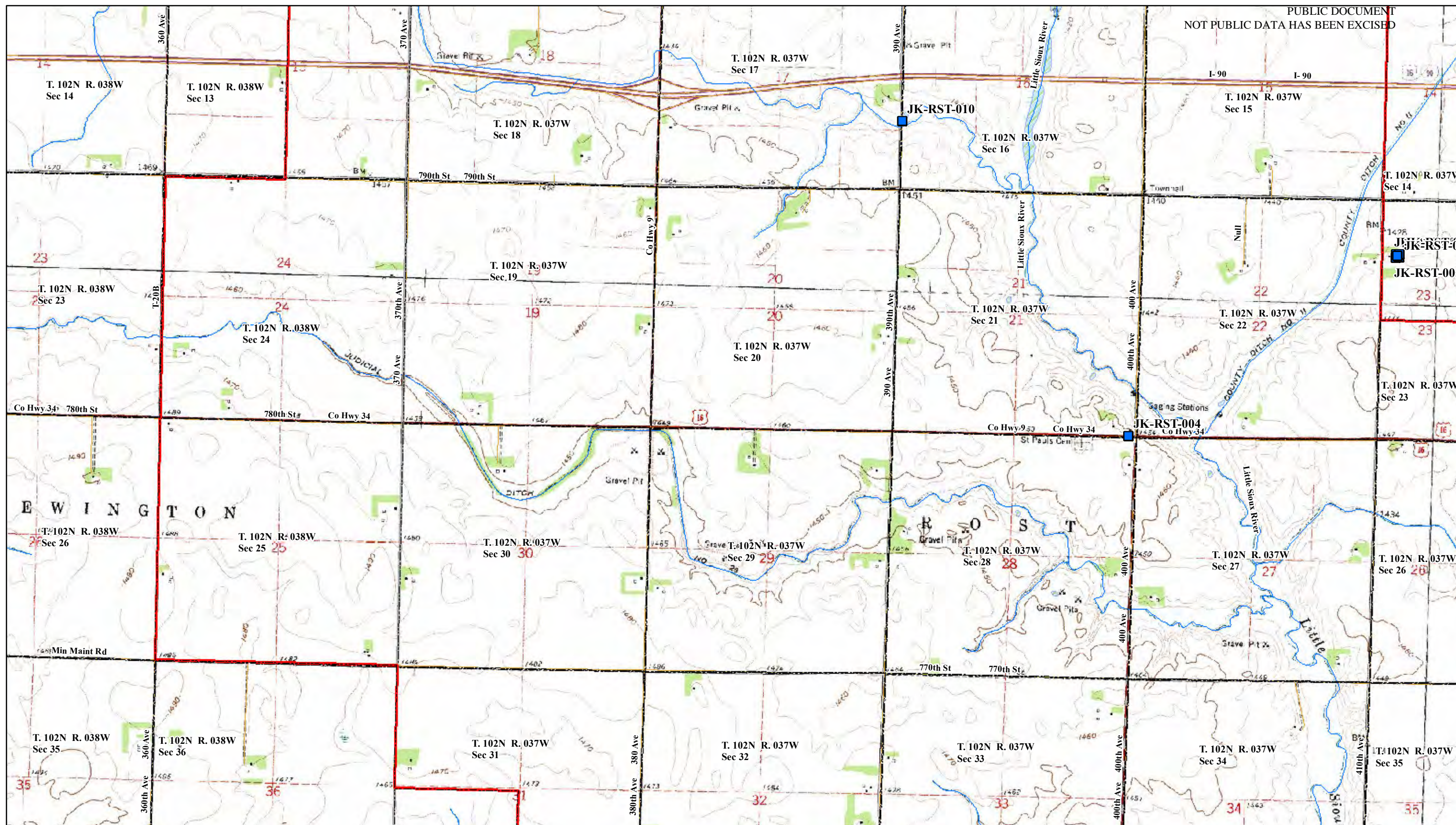
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa



1:24,000
1 inch equals 2,000 feet

Figure 5. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).





Legend

- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road

THREE WATERS SITE PERMIT APPLICATION
APPENDIX G - PUBLIC DOCUMENT NOT PUBLIC DATA HAS BEEN EXCISED

Inset map grid showing a 4x4 grid of sections numbered 2-16. Section 6 is highlighted with a red border.

**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

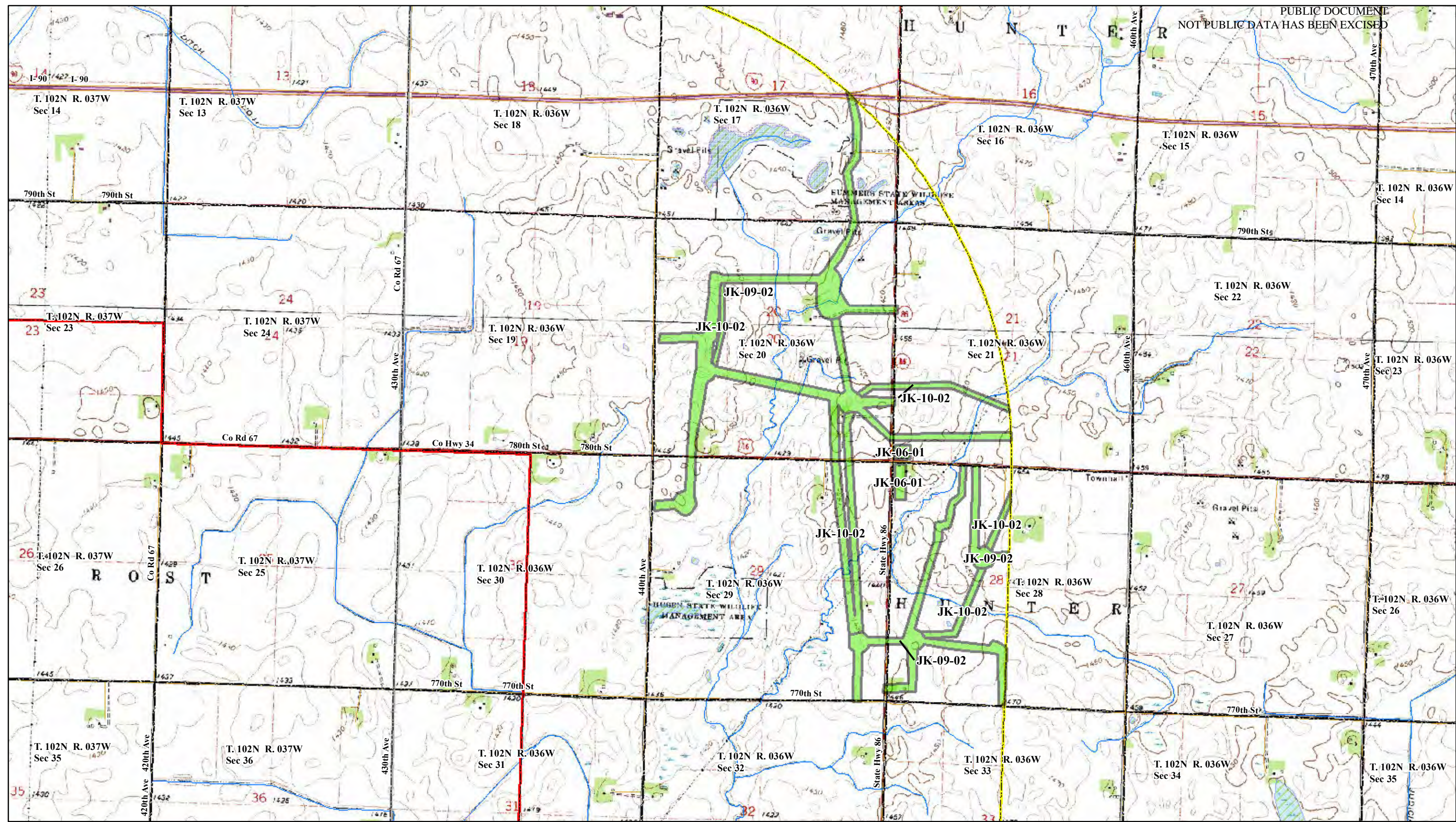
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa

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Note: Aerial Imagery courtesy of ESRI

Figure 6. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).



Legend

- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- Township Boundary
- Township/Range/Section
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road

THREE WATERS SITE PERMIT APPLICATION
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**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

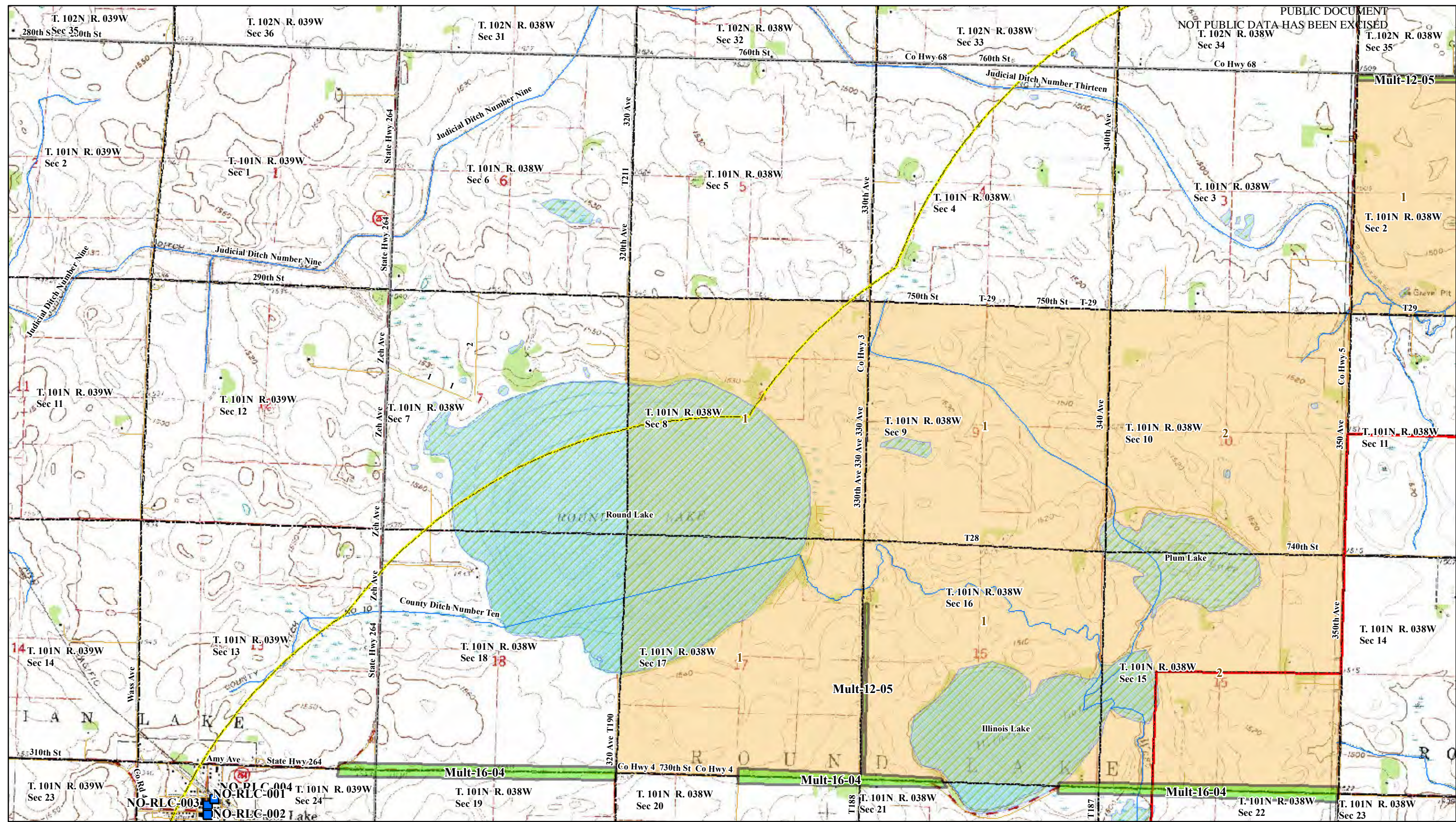
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa

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Note: Aerial Imagery courtesy of ESRI

Figure 7. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).



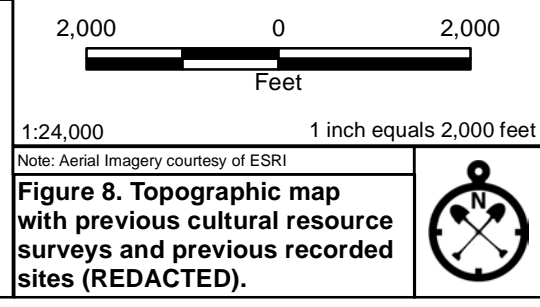
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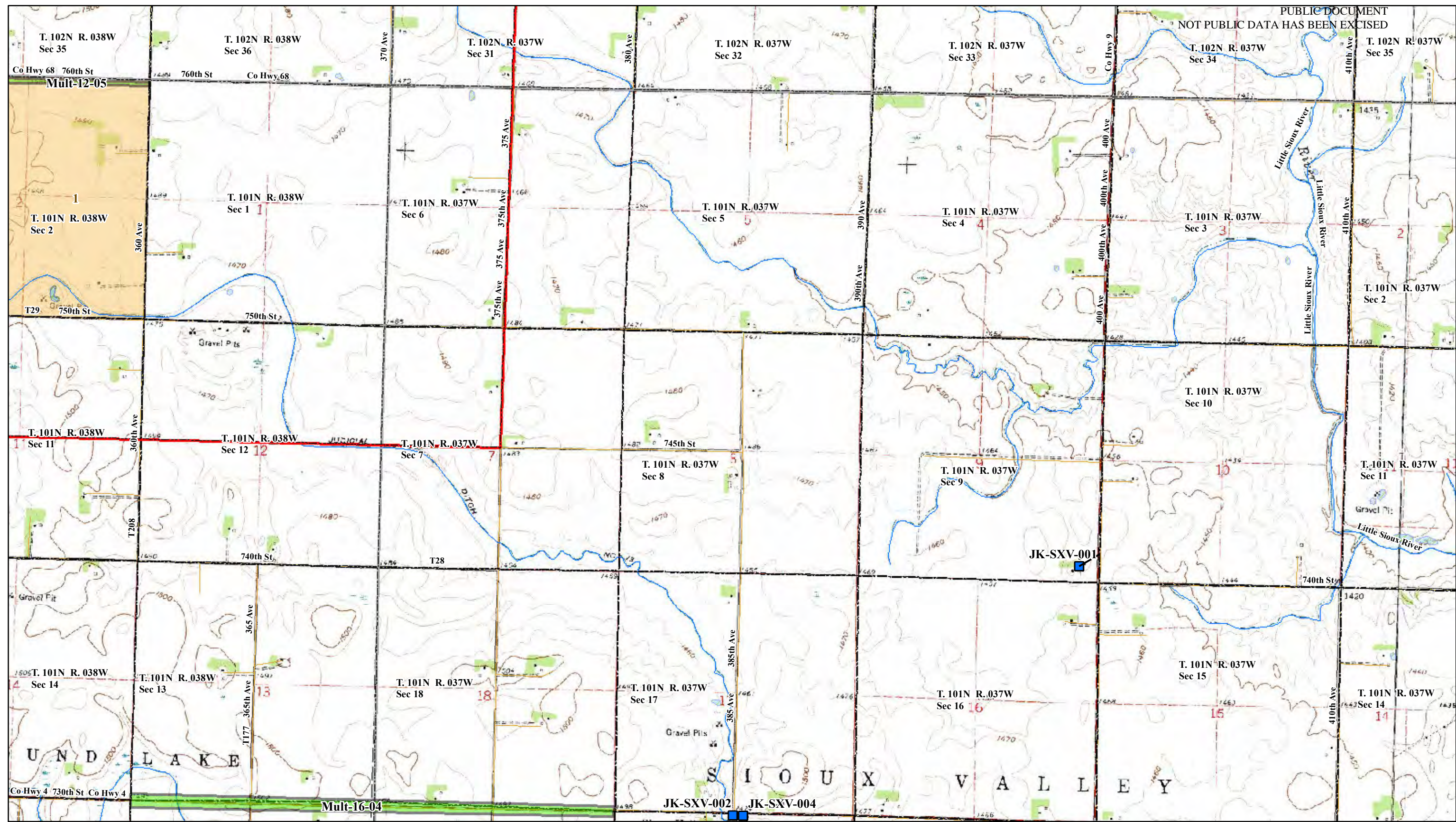
- Historic Structures
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- THREE WATERS SITE PERMIT APPLICATION
- APPENDIX G - PUBLIC DOCUMENT NOT PUBLIC DATA HAS BEEN EXCISED
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road



**LITERATURE REVIEW
 TOPOGRAPHIC MAP
 (Detailed)**

Three Waters Wind Project
 Jackson and Nobles Counties, Minnesota
 Dickinson and Osceola Counties, Iowa





Legend

- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road

THREE WATERS SITE PERMIT APPLICATION
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Inset map showing a 4x4 grid of sections numbered 2 through 16. A red outline highlights the area covered by sections 11 through 16, corresponding to the project area on the main map. A north arrow is located to the right of the grid.

**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

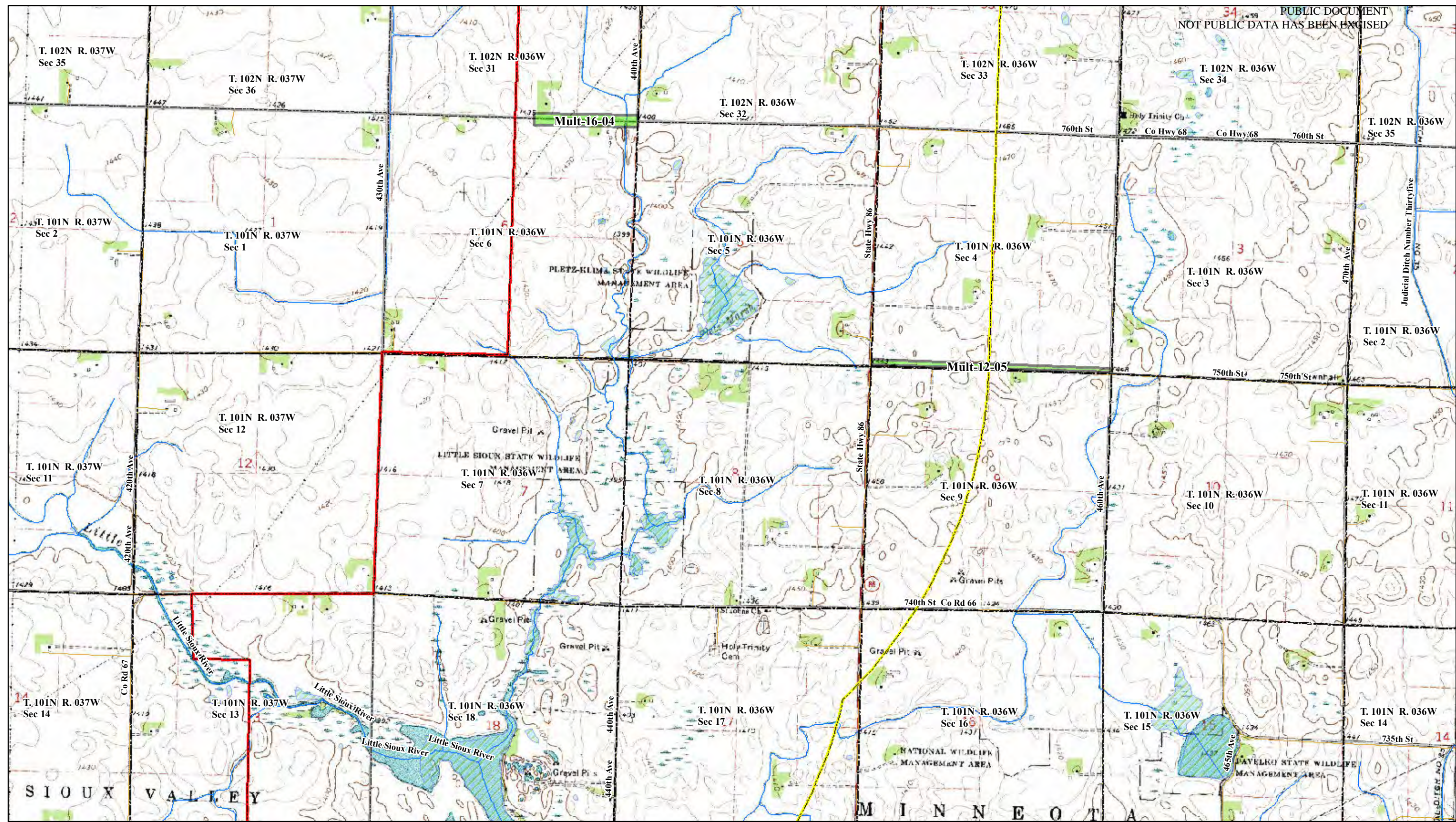
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa

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Feet

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Note: Aerial Imagery courtesy of ESRI

Figure 9. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).



Legend

- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
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- 2-Mile Study Area
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- NHD Stream/River
- NHD Waterbody
- Road

THREE WATERS SITE PERMIT APPLICATION
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Inset map showing a 4x4 grid of sections numbered 2 through 16. A red outline highlights the area covered by sections 1 through 18 on the main map.

Compass rose showing North (N), South (S), East (E), and West (W).

**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

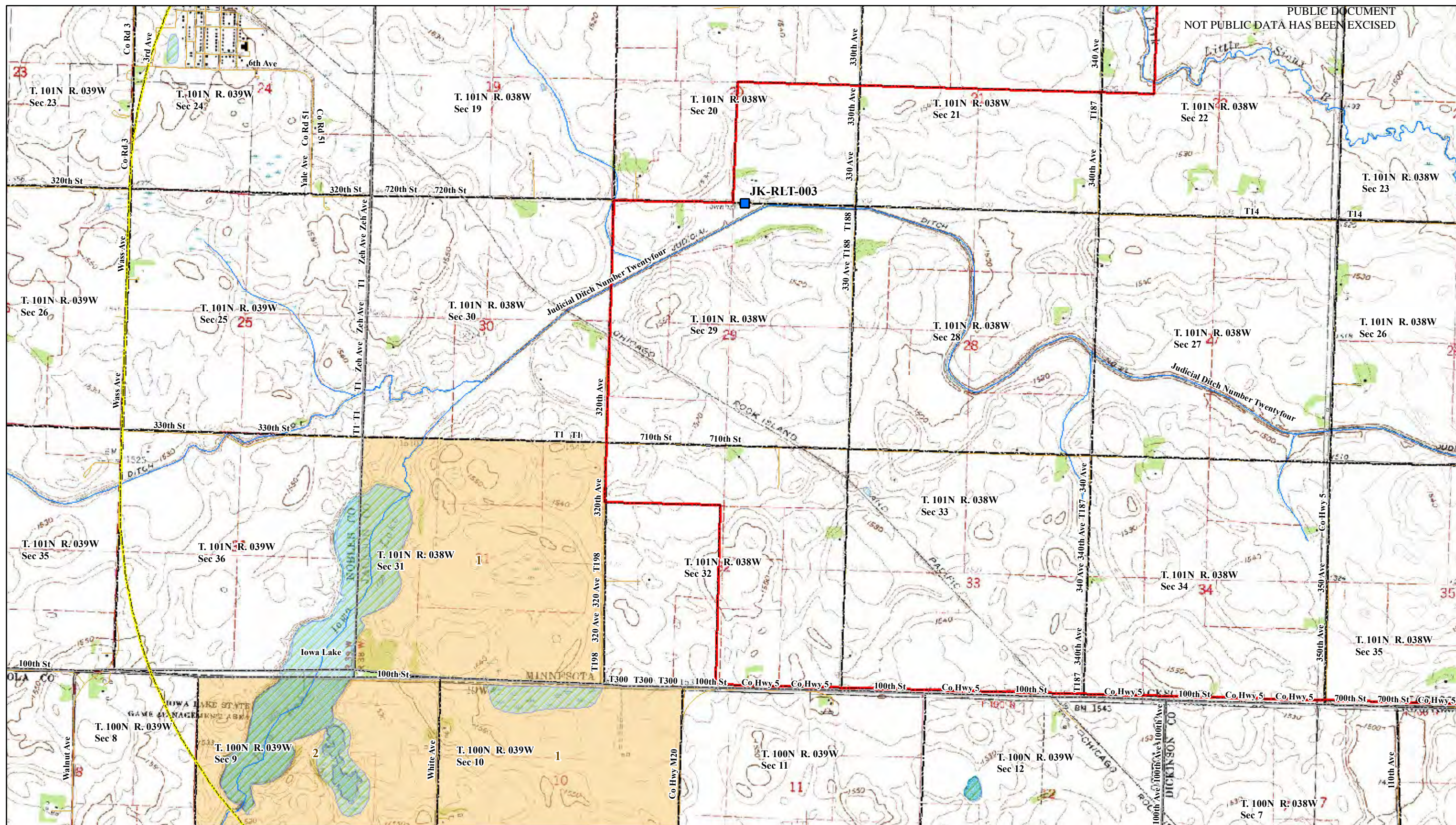
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
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1:24,000 1 inch equals 2,000 feet

Note: Aerial Imagery courtesy of ESRI

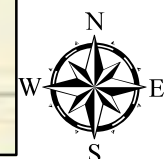
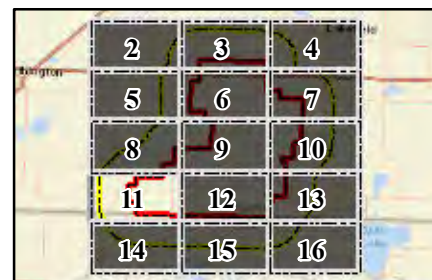
Figure 10. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).



Legend

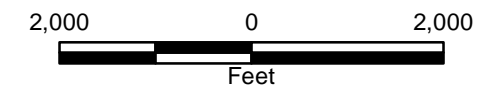
- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road

THREE WATERS SITE PERMIT APPLICATION
APPENDIX G - PUBLIC DOCUMENT NOT PUBLIC DATA HAS BEEN EXCISED



**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

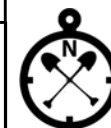
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa

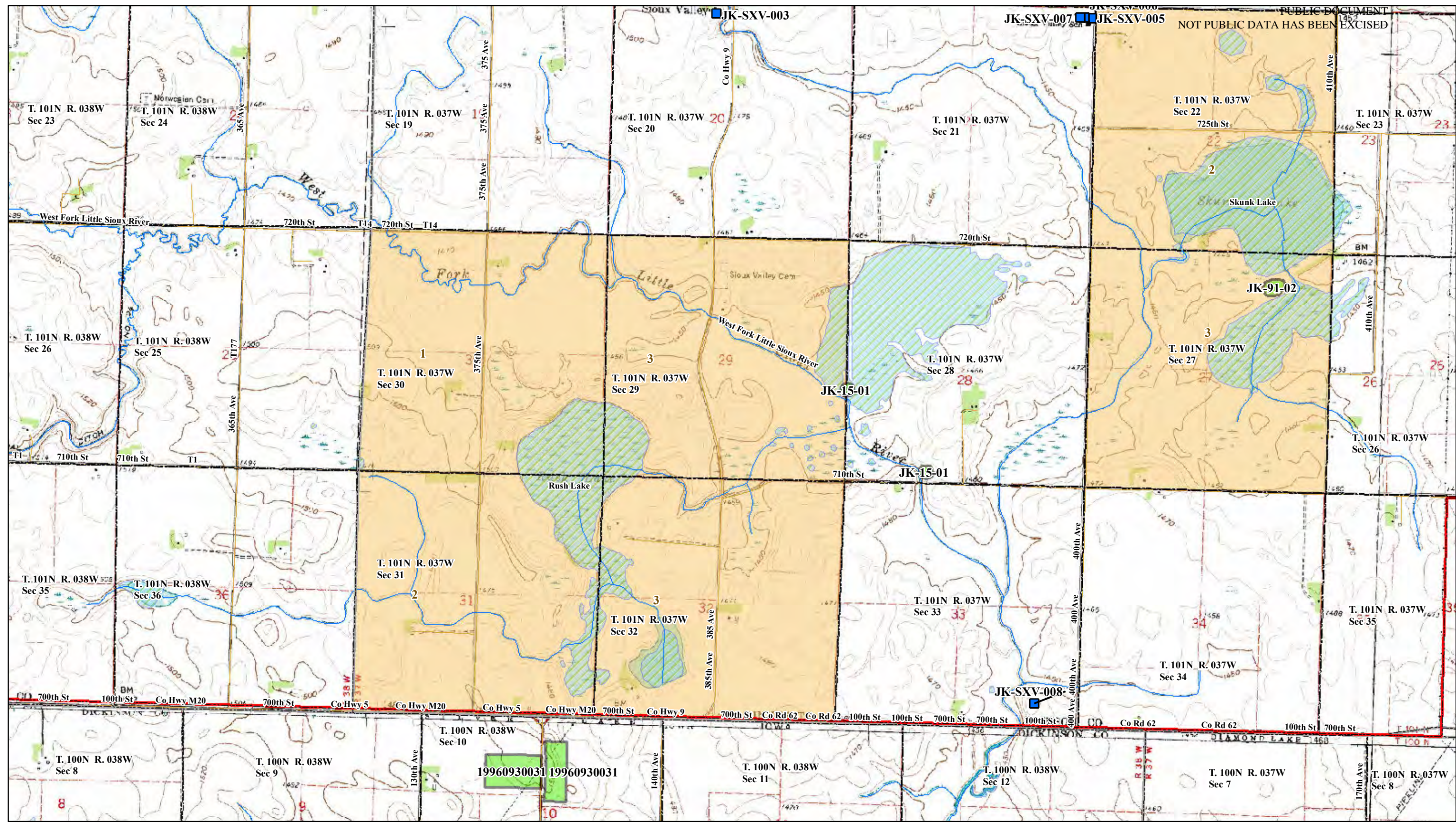


1:24,000 1 inch equals 2,000 feet

Note: Aerial Imagery courtesy of ESRI

Figure 11. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).





Legend

- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road

THREE WATERS SITE PERMIT APPLICATION
APPENDIX G - PUBLIC DOCUMENT NOT PUBLIC DATA HAS BEEN EXCISED

**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

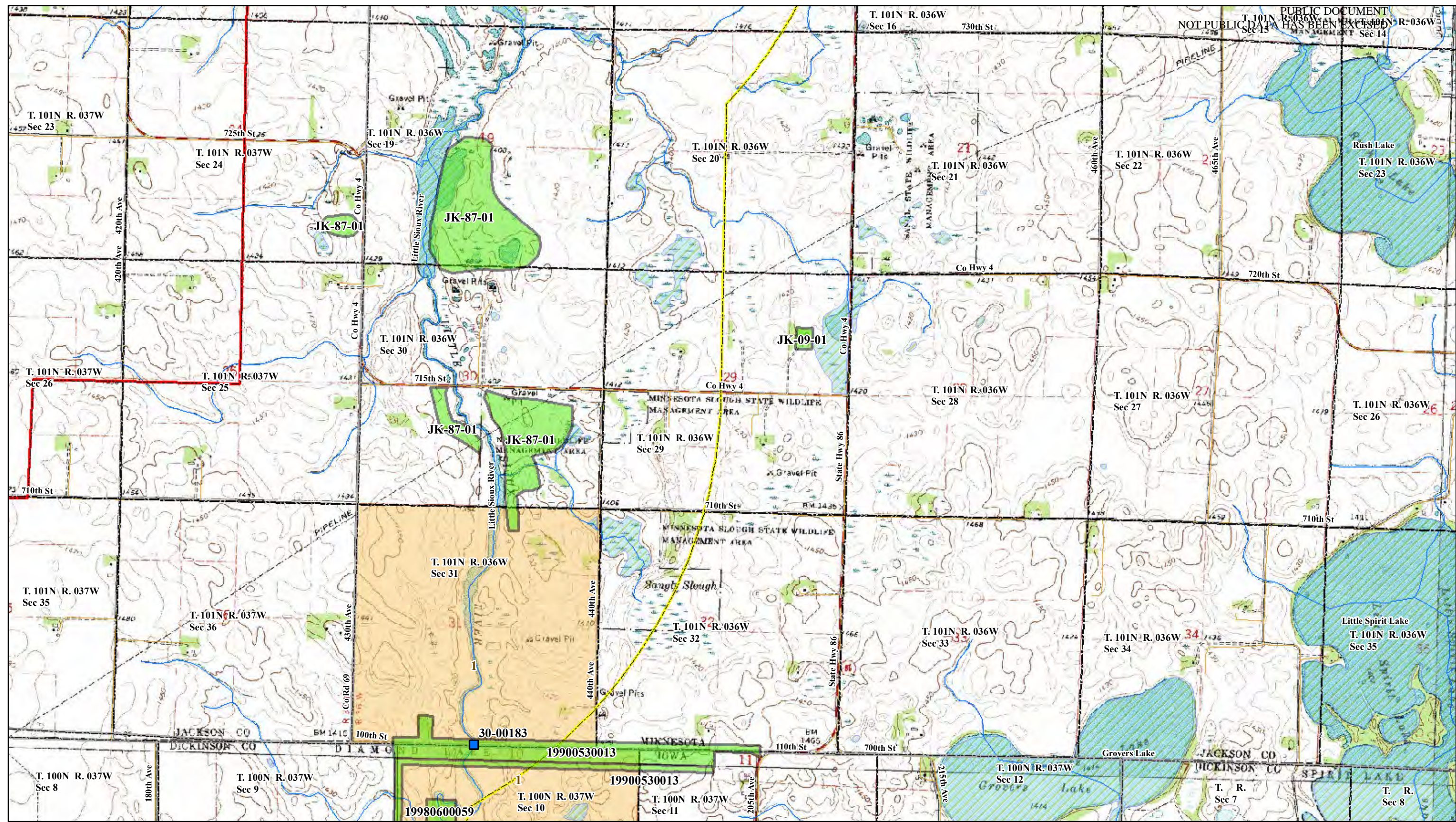
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa

2,000 0 2,000
Feet

1:24,000 1 inch equals 2,000 feet

Note: Aerial Imagery courtesy of ESRI

Figure 12. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).

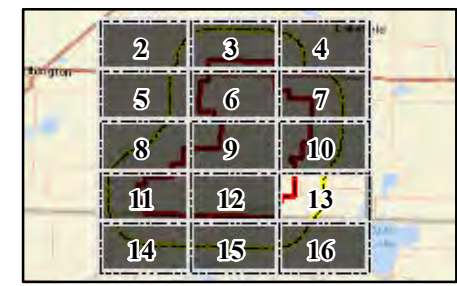


PUBLIC DOCUMENT
NOT PUBLIC DATA HAS BEEN EXCISED

Legend

- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road

THREE WATERS SITE PERMIT APPLICATION
APPENDIX G - PUBLIC DOCUMENT NOT PUBLIC DATA HAS BEEN EXCISED



**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

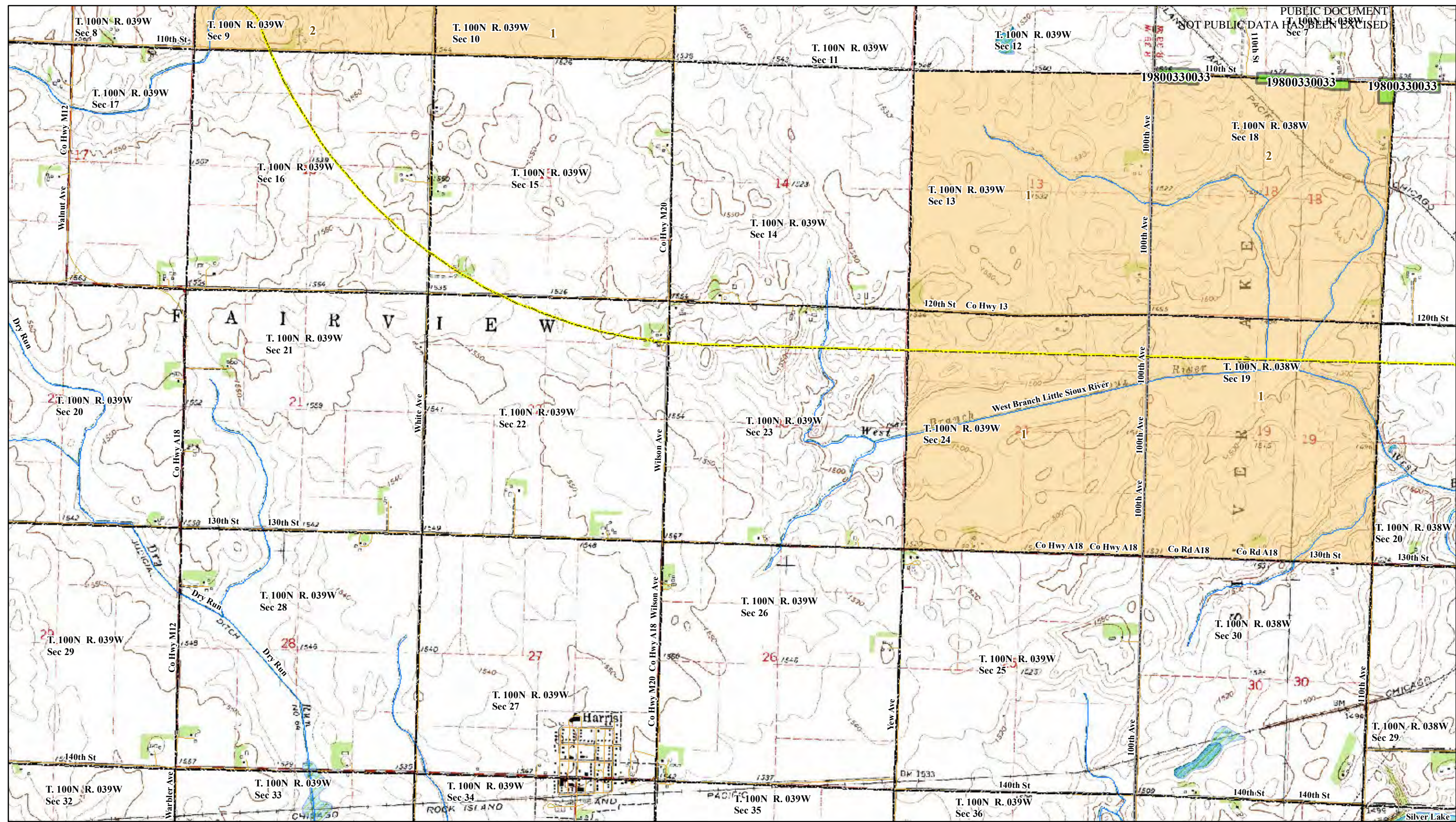
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa

2,000 0 2,000
Feet

1:24,000 1 inch equals 2,000 feet

Note: Aerial Imagery courtesy of ESRI

Figure 13. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).



Legend

- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- Road
- NHD Stream/River
- NHD Waterbody

THREE WATERS SITE PERMIT APPLICATION
APPENDIX G - PUBLIC DOCUMENT NOT PUBLIC DATA HAS BEEN EXCISED

**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

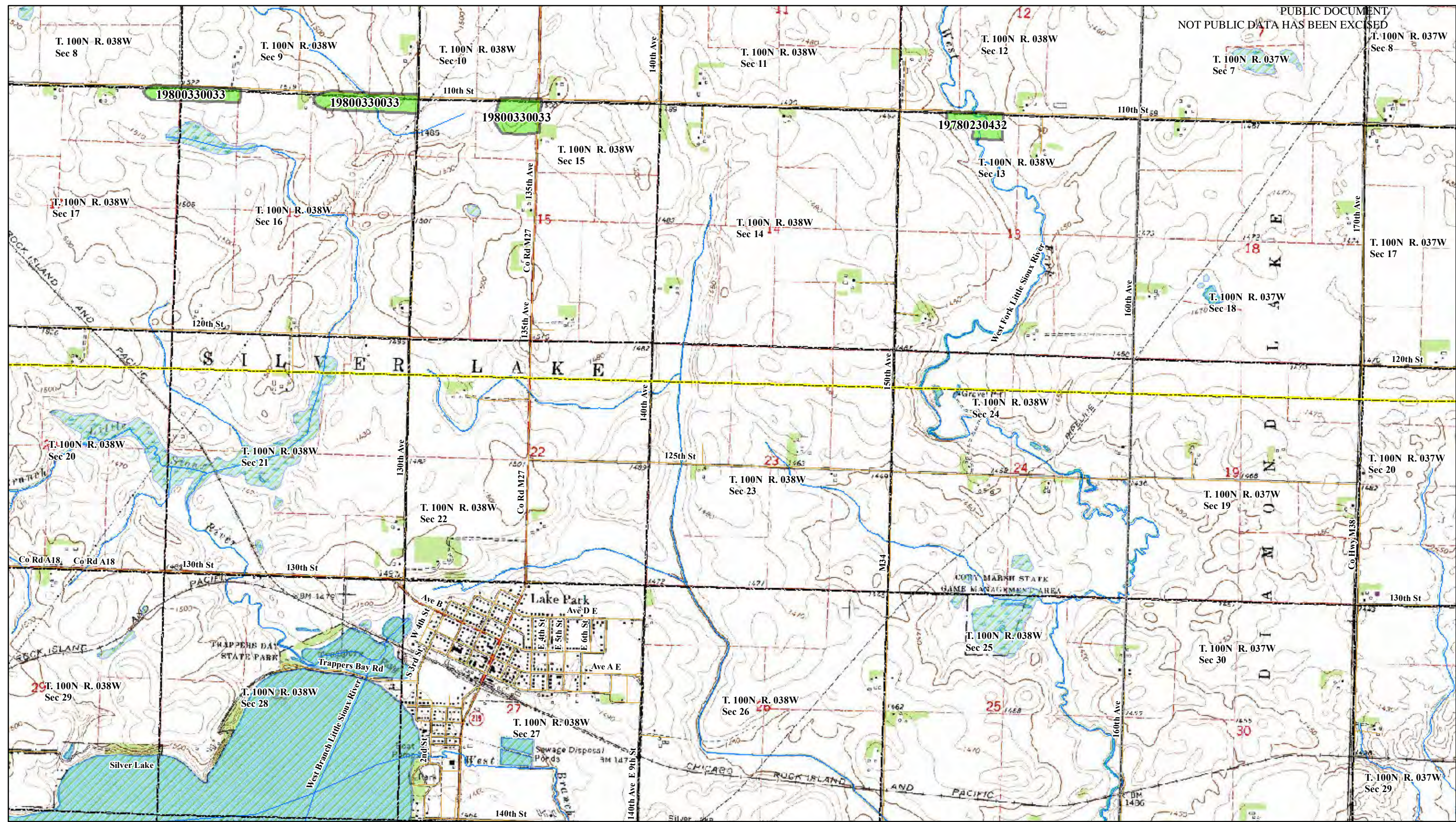
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa

2,000 0 2,000
Feet

1:24,000 1 inch equals 2,000 feet

Note: Aerial Imagery courtesy of ESRI

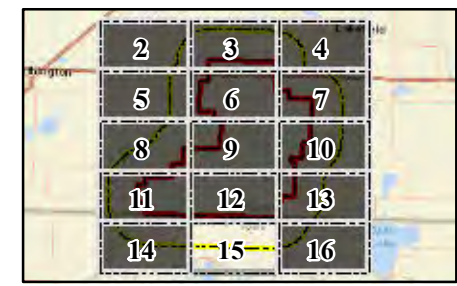
Figure 14. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).



Legend

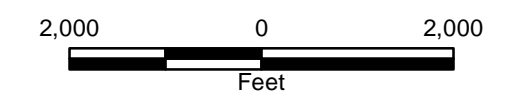
- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road

THREE WATERS SITE PERMIT APPLICATION
APPENDIX G - PUBLIC DOCUMENT NOT PUBLIC DATA HAS BEEN EXCISED



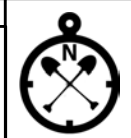
**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

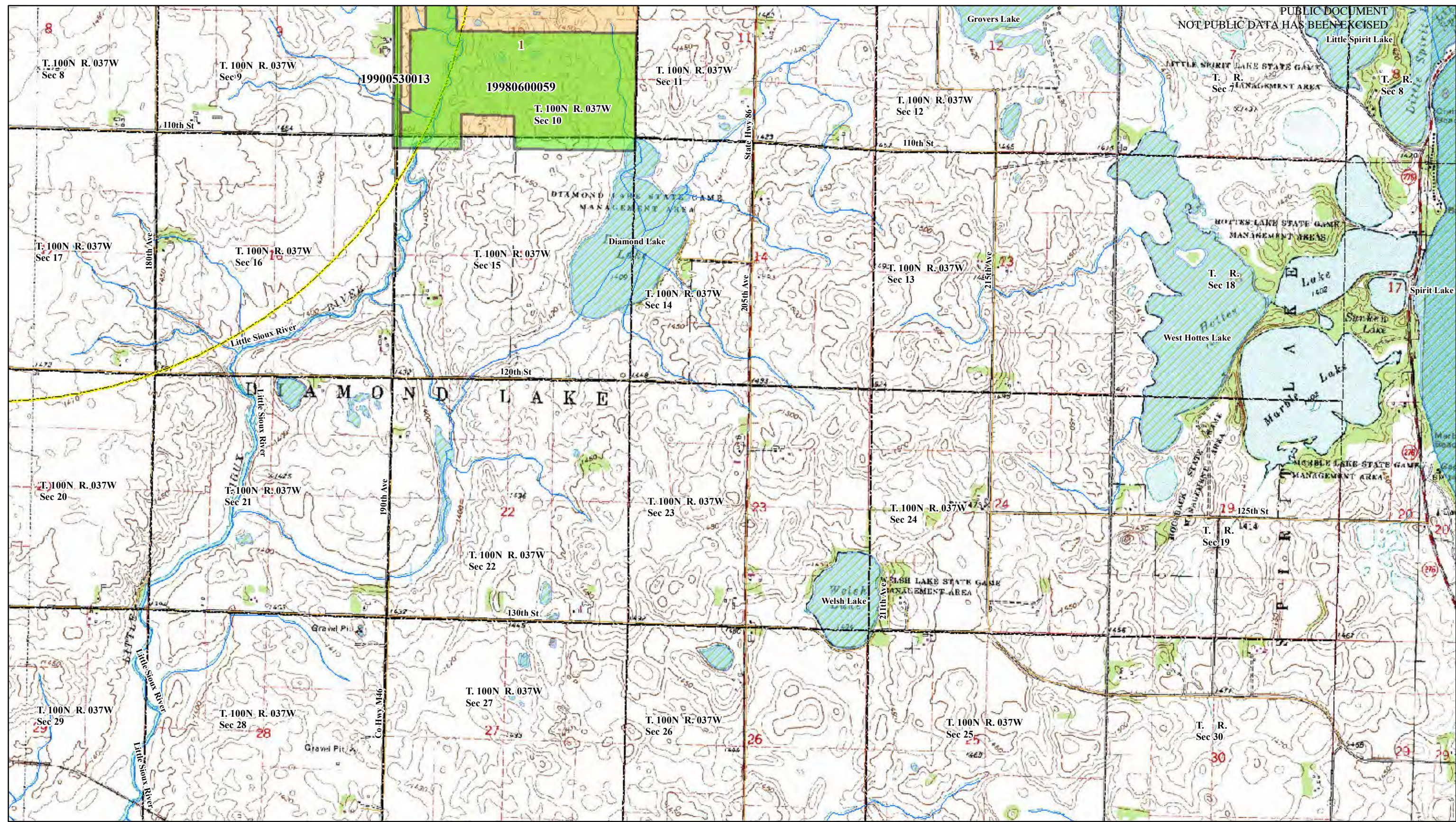
Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa



1:24,000 1 inch equals 2,000 feet

Note: Aerial Imagery courtesy of ESRI
Figure 15. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).

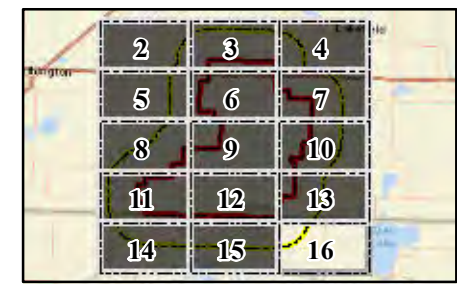




Legend

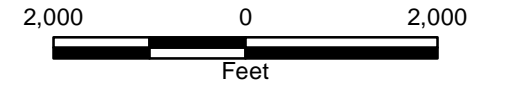
- Historic Structures
- Previous Archaeological Investigation
- Number of Archaeological Sites/Section
- Project Area
- 2-Mile Study Area
- Township Boundary
- Township/Range/Section
- NHD Stream/River
- NHD Waterbody
- Road

THREE WATERS SITE PERMIT APPLICATION
APPENDIX G - PUBLIC DOCUMENT NOT PUBLIC DATA HAS BEEN EXCISED



**LITERATURE REVIEW
TOPOGRAPHIC MAP
(Detailed)**

Three Waters Wind Project
Jackson and Nobles Counties, Minnesota
Dickinson and Osceola Counties, Iowa



1:24,000 1 inch equals 2,000 feet

Note: Aerial Imagery courtesy of ESRI

Figure 16. Topographic map with previous cultural resource surveys and previous recorded sites (REDACTED).

