

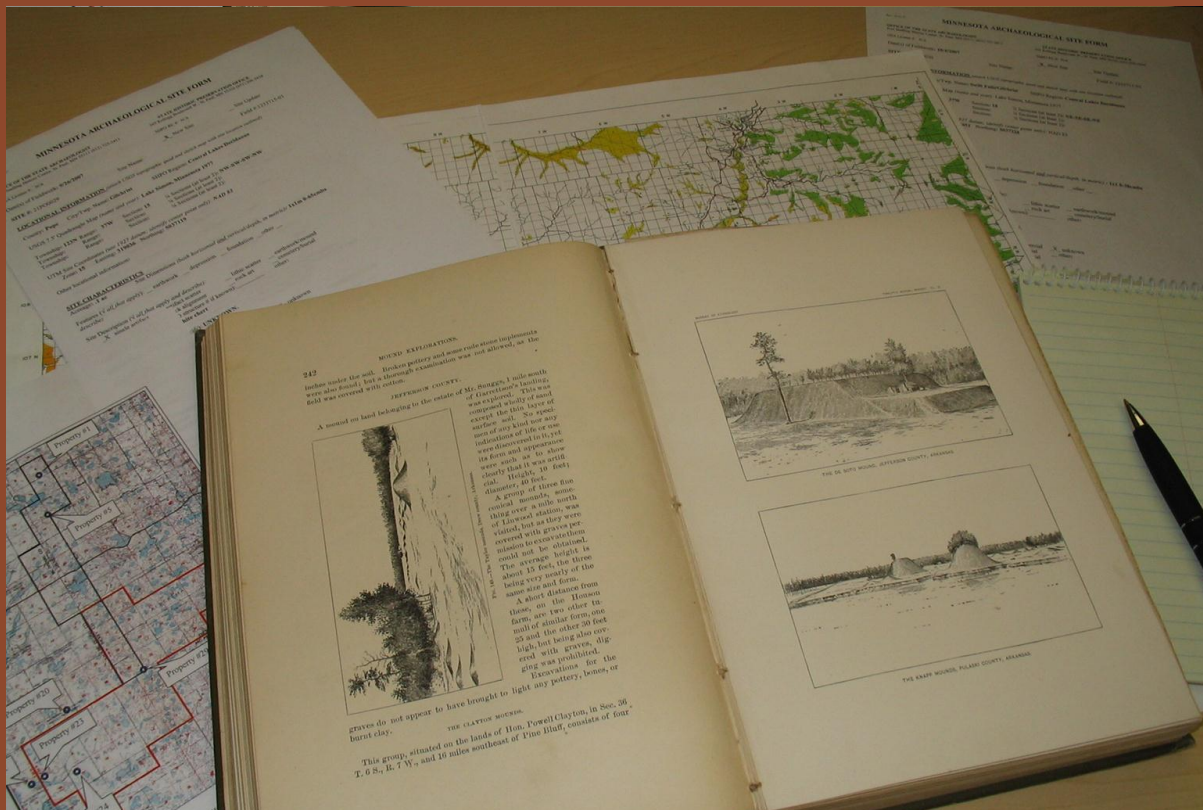


CLASS I CULTURAL RESOURCE LITERATURE SEARCH

Courtenay Wind Farm

Stutsman County, North Dakota

February 11, 2013



Prepared For:

Geronimo Wind Energy
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Prepared By:



Westwood

CLASS I CULTURAL RESOURCE LITERATURE SEARCH FOR THE PROPOSED COURTENAY WIND FARM Stutsman County, North Dakota

February 11, 2013

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INTRODUCTION

Westwood Professional Services, Inc. (Westwood) was contracted by Geronimo Wind Energy (GWE) of Edina, MN to conduct a Class I Cultural Resource Literature Search for the proposed Courtenay Wind Farm in Stutsman County, North Dakota. GWE is developing the 200 MW Courtenay Wind Farm near the town of Courtenay in the Townships of Nogosek, Durham, Courtenay, Ashland, and Gray in Stutsman County, North Dakota (Exhibits 1). Associated with the project will be 22 miles of 115 kV transmission line in the Townships of Ashland, Fried, and Bloom in Stutsman County, North Dakota (Exhibit 2).

A Class I Cultural Resource Literature Search is a typical first step at the initiation of a wind energy project of this magnitude in North Dakota. A Class I Cultural Resource Literature Search is almost always conducted prior to field surveys and the resulting report is often reviewed by the North Dakota State Historic Preservation Office (SHPO). Westwood was contracted to facilitate the collection of information regarding the cultural resources identified within the defined project boundary and a one-mile buffer. This one-mile buffer is a standard applied for the collection of corroborating data regarding regional distribution of cultural resources. The data collected is then used to identify the types of cultural properties that might be encountered as well as landforms and regions that might have a high potential for containing significant cultural resources. A listing of townships and sections included in either the defined project boundary or the surrounding buffer are summarized in Table 1 below.

Table 1: Sections Included in Project Area, One Mile Buffer, and Transmission Route

Township	Range	Project Sections	Buffer Sections	Transmission Line
144N	63W	26, 27, 34-36	21-24, 25, 28, 33	
143N	63W	1-3, 9-15, 22-26, 35, 36	4, 8, 16, 21, 27, 28, 32-35	
143N	62W	6, 7, 8, 17-20, 29-32	5, 9, 16, 21, 28, 33	
142N	63W	1-4, 11, 12, 14	5, 8-10, 13, 15, 22-24	12, 13, 24, 25, 36
142N	62W	5-7	4, 8, 9, 17, 18	7, 18, 19
141N	63W			1, 2, 8-17, 20-26, 35, 36
140N	63W			3-5, 8, 9, 16, 17, 20, 21, 28, 29, 32, 33

Key: Township = north/south coordinate of township; Range = east/west coordinate of township; Project Sections = sections within the township included in the defined project area; Buffer Sections = sections included in the one-mile buffer surrounding the defined project boundaries; Transmission Line = sections containing or immediately adjacent to the preliminary proposed transmission route.

A catalog of previously identified and recorded cultural resources for the area was compiled from the records maintained at the Historical Preservation Division (HPD) of the State Historical Society of North Dakota (SHSND) and the ND State Archives and Library in Bismarck, North Dakota. The data collected from these sources includes the state archaeological site files, historic property files, the North Dakota National Register inventory, and archival collections of published and unpublished reports of previous cultural resource investigations. Westwood staff also consulted historic documents to identify potential cultural features that may exist in the project area.

SCOPE OF WORK

The Class I Literature Search was conducted to provide an inventory of the recorded archaeological sites and historic properties within the proposed project area. The area of consideration included the proposed wind farm project area along with a one-mile buffer surrounding the entire project area in order to ascertain if any recorded properties located immediately adjacent to the project area might be impacted by the proposed work either physically or visually. Also examined were sections containing or immediately adjacent to the preliminary proposed transmission line.

METHODOLOGY

On October 11, 2012, Westwood Cultural Resource Specialist Ryan Grohnke conducted a background literature search at the State Historical Society of North Dakota (SHSND) located in the North Dakota Heritage Center in Bismarck, North Dakota. The North Dakota Cultural Resource Survey database was examined to obtain a list of all archaeological (historic and prehistoric) and architectural sites within the area of consideration along with a listing of all surveys conducted within the project area. County and township histories, and historic maps and atlases were examined at the North

Dakota State Library and Archives. The original Government Land Office (GLO) survey records were reviewed online.

CULTURAL RESOURCE REPORTS AND SITES

Table 2 lists the project reports submitted to and maintained at the Historic Preservation Division of the SHSND. The inventory identified 20 previously submitted reports documenting cultural resource investigations within the defined project boundaries. A majority of the identified reports relate the findings from location specific investigations involving limited or small land parcels.

Table 2: Previous Cultural Resource Reports

Year	Manuscript	Title	Author(s)
1986	4034	An Architectural Survey of Jamestown, Stutsman Co., North Dakota	Cul. Res. & Management
1890	4184	Northwest Archeological Survey, Richland, Barnes, Oliver, McLean, Morton, Dickey, Ransom, LaMoure, Stutsman, Benson, Grand Forks, Walsh, & Pembina Co., ND	Lewis, T.
1986	4185	Archaeological Reconnaissance of the Western Area Power Administration's Jamestown to Grand Forks 115-kv Transmission Line Right-of-Way Located in Stutsman, Barnes, Griggs, Steele, and Grand Forks Counties, North Dakota.	Sato, J.
1988	4595	Preliminary Report of Pedestrian Sample of the Sprint Line in Stutsman, Kidder, Stark, Billings, Cass, Golden Valley, Burleigh, Morton Counties, North Dakota	Deaver, K.
1988	4638	US Sprint Fiber Optic Cable Project Spokane, Washington to Fargo, Billings, stark, Golden Valley, Morton, Kidder, Stutsman, Burleigh, and Cass Co., North Dakota	Deaver, K.
1992	5729	Hillcrest Municipal Golf Course, Jamestown, Stutsman County, North Dakota: Class III Intensive Cultural Resources Inventory of 50-Acre Proposed Addition	Gregg, M.
1995	6449	North Dakota Department of Transportation Safety Project Cultural Resource Review 1992-1994	Borchert, J
1996	6717	Drift Prairie Freshwater Lakes Sample Survey Project at Lake Jessie, Griggs County, and Spiritwood Lake, Stutsman County, North Dakota, 1995 Field Season	Kordecki, C.
1996	6865	Gravel Pit Cultural Resources Inventories Near Jamestown and Mandan, North Dakota in Foster, Morton, and Stutsman Counties	Wermers, G.
1999	7300	Old Highway 10 Project A Class III Cultural Resource Inventory: Stutsman County, ND	Runge, M.
1999	7446	Results of Class II and Class III Cultural Resources Inventories for Upgrades to Telecommunication Lines: The Courtenay-Jamestown-Wimbledon Exchanges	Rothwell, S.
1999	7531	Madsen Borrow Area: A Class III Cultural Resource Inventory, Stutsman Co, ND	Ross, R.
2003	8645	Mitchell Borrow: A Class III Cultural Resource Inventory, Stutsman Co., ND	Bluemle, W.

Year	Manuscript	Title	Author(s)
2004	9001	Taxiway Extension Survey: A Class III Cultural Resource Inventory of the Jamestown Airfield in Stutsman Co., ND	Hiemstra, D.
2005	9198	Northern Plains Electric Cooperative 2004 Cultural Resources Inventory of Specific Projects in Benson, Foster, Kidder, Pierce, Rolette, Stutsman, Towner, and Wills Co., ND	Kordecki, C.
2005	9303	Airport Wetlands Mitigation Survey: A Class III Cultural Resources Inventory in Stutsman Co., ND	Bluemle, W.
2005	9333	Nine Power Structures for Minnkota Power: A Class III Cultural Resource Inventory, A Class III Cultural Resource Inventory, Burleigh, Cass, and Stutsman Counties, ND	Morrison, J.
2007	10060	CPR Maintenance From I-94 Interchange 258 to I-94 Interchange 262: A Class III Cultural Resource Inventory, Stutsman Co., ND	Klinner, D.
2009	11202	Northern Plains Electric Cooperative 2009 Class III Cultural Resources Inventories of Eight Proposed Construction Projects in Pierce, Stutsman, Towner, and Wells Counties, ND	Jackson, M.
2011	12950	Stutsman Rural Water District Phase II Water Supply Expansion Project: Class II and Class III Cultural Resource Inventories, Stutsman, Foster, and Griggs Counties, North Dakota	Morrison, J.

Key: Year = year of report publication or submission; Manuscript = archival number applied to project report; Title = Project Report Title; Author(s) = principal author of report.

Archaeological Properties

Previous recorded cultural resource investigations within the defined area of consideration yielded evidence of 18 archaeological properties. Properties identified with an X (e.g. 32SNx55) are site leads. Site leads have been identified through historical records reported to the SHSND, but not verified by a professional archaeologist, or were identified with less than five artifacts and no features. Regardless of status as recorded site or site lead, all of the previously recorded sites were found in township sections containing or immediately adjacent to the preliminary proposed transmission line. No archaeological sites were identified within the boundary of the proposed wind farm or the one-mile buffer. Twelve of the previously recorded sites are prehistoric and six are historic. The list of recorded archaeological properties is summarized in Table 3. Sections containing archaeological properties near the preliminary proposed transmission line are highlighted in Exhibit 2. It should be noted that highlighted sections may contain multiple sites.

Table 3: Previously Identified Archaeological Resources

Site Number	Site Type	Cultural Period
32SN155	Mound/Grave	Prehistoric
32SN258	Cultural Material Scatter	Prehistoric
32SN259	Foundation	Historic
32SN264	Foundation	Historic
32SNx55	Gray Post Office	Historic
32SNx56	Mound and Cultural Material Scatter	Prehistoric
32SN261	Cultural Material Scatter	Late Prehistoric
32SN262	Mound	Prehistoric
32SN263	Cultural Material Scatter	Prehistoric
32SNx62	Mound and Cultural Material Scatter	Prehistoric
32SNx63	Mound	Prehistoric
32SNx175	Mound	Prehistoric
32SN314	Old Red Trail	Historic
32SN173	Cultural Material Scatter	Prehistoric
32SNx46	Fried Post Office	Historic
32SNx184	Isolated Find	Prehistoric
32SNx185	Isolated Find	Prehistoric
32SNx47	Historic Site	Historic

Key: Site Number = site designation applied by State Archaeologist; Site Type = defined site use type; Cultural Period = reported culture historic period affiliation.

Architectural Properties

Previous architectural surveys of the area identified 6 historic/architectural resources within the area of consideration (Table 4). None of the structures have been listed on the National Register of Historic Places (NRHP); however, 32SNx112 is eligible for NRHP listing and 32SN718 and 32SN259 may be eligible, but require further work. The remaining structures have not been evaluated or are modern and therefore not eligible. Sections containing historic/architectural resources within the proposed wind farm area and one mile buffer are highlighted in Exhibit 1 and near the preliminary proposed transmission line in Exhibit 2. It should be noted that highlighted sections may contain multiple historic/architectural resources.

Table 4: Previously Recorded Architectural Resources

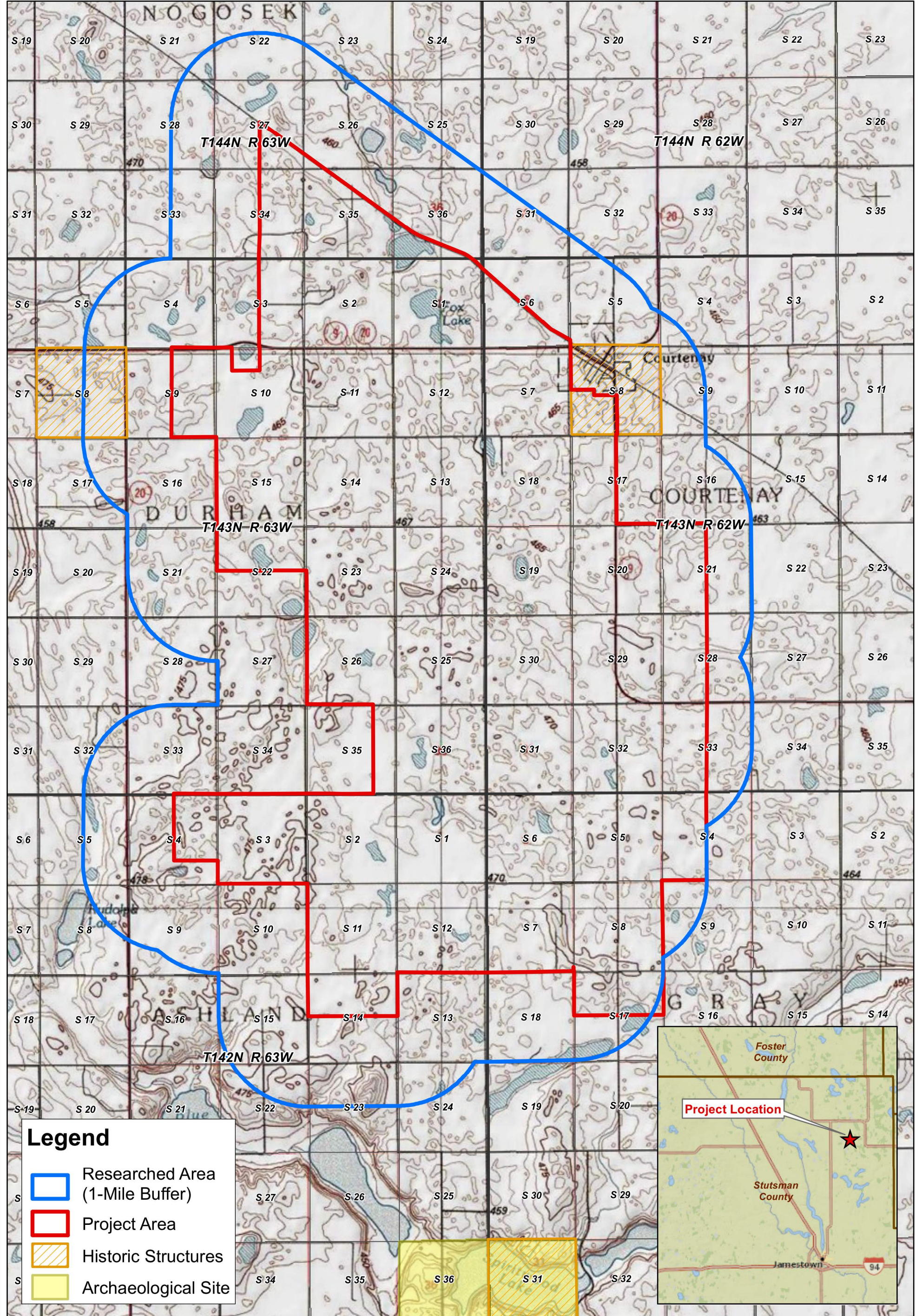
Site Number	Description	Location	Buffer/Transmission Line	City Limits
32SN259	Cabin	T142N R 62W, Sec 31	T-line	N
32SN69	Courtenay Fire Hall	T143N, R62W, Sec 8	Buffer	C
32SN390	St. Marys Catholic	T143N, R62W, Sec 8	Buffer	C
32SN718	School	T143N, R63W, Sec 8	Buffer	N
32SNx112	Wanzek Farmstead	T143N, R63W, Sec 8	Buffer	N
32SN357	Church of Jesus Christ Latter-Day Saints	T140N, R63W, Sec 30	T-line	J

Key: Site Number = reference number for recorded property; Description = name of historic structure or description of type of structure; Location = amended legal description of recorded property; Buffer/Transmission Line = relative location of recorded structure, Buffer: within one mile of Wind Farm, Transmission Line: within one mile of preliminary transmission line route; City Limits = notes if the historic architectural property is located within the city limits of C: the City of Courtenay, J: the City of Jamestown, or N: not within city limits.

CONCLUSIONS AND RECOMMENDATIONS

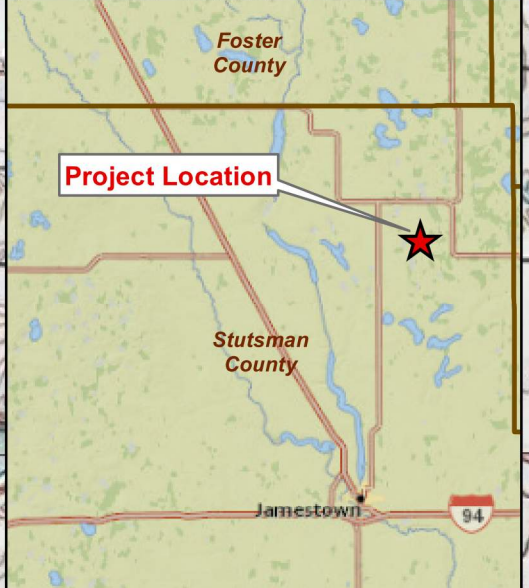
Upon review of the archaeological sites and historic properties inventories compiled for the defined project area, Westwood concludes that the archaeological and historic investigations executed to date have not examined the entire potential for existence of cultural resources in the area. While several investigations have been carried out in the project area, most of these have been limited in scope and concentrated on relatively small property parcels or immediate right-of-ways.

Based upon the result of the investigations reported here, Westwood recommends a Class III Cultural Resource Survey be conducted within the defined project construction area for the Courtenay Wind Farm, in accordance with applicable guidelines. Attention should be paid to the location of the recorded archaeological and architectural properties identified during this investigation and those potentially identified in subsequent field investigations to ensure that effects on the properties can be avoided to the extent required during construction of the project. Ultimately, the project should follow the guidelines for cultural resource investigations as defined by the ND SHPO.



Legend

-  Researched Area (1-Mile Buffer)
-  Project Area
-  Historic Structures
-  Archaeological Site



Data Source(s): ND SHPO (2012), ESRI (2012), Geronimo Wind Energy (2013), Westwood Professional Services (2013).

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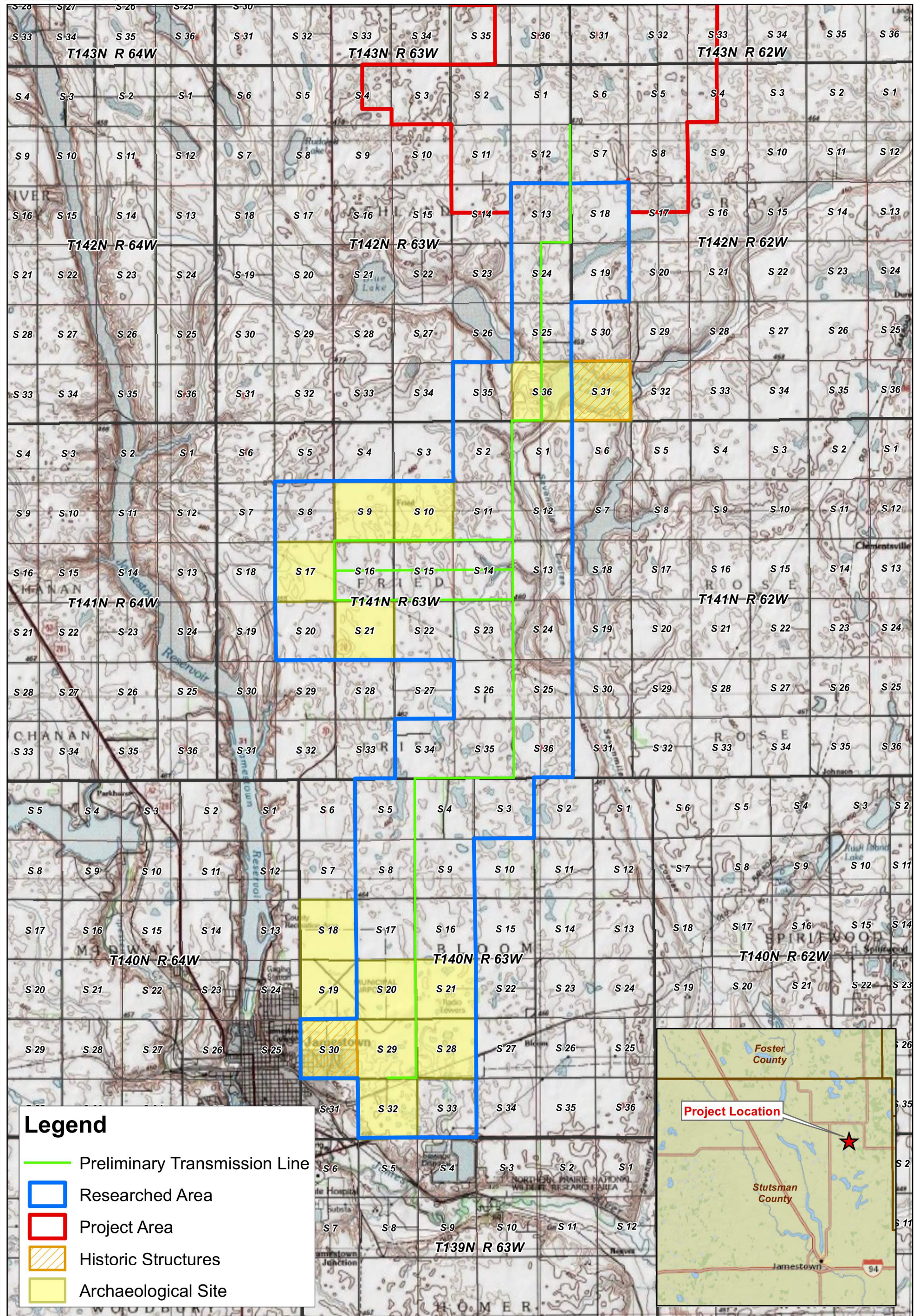
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Courtenay Wind Farm

Stutsman County, North Dakota

Cultural Resource Locations - Wind Farm



Legend

- Preliminary Transmission Line
- Researched Area
- Project Area
- Historic Structures
- Archaeological Site

Data Source(s): ND SHPO (2012), ESRI (2012), Geronimo Wind Energy (2013), Westwood Professional Services (2013).



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Courtenay Wind Farm

Stutsman County, North Dakota

Cultural Resource Locations - Preliminary Transmission Line

EXHIBIT 2