
EXHIBIT 11
Technical Memorandum – Architectural History Investigation



July 2, 2013

Adam Holven
TetraTech, Inc.
2001 Killebrew Drive, Suite 141
Bloomington, Minnesota 55425

Subject: **Technical Memorandum – Architectural History Investigation**
Courtenay Wind Energy Project
Stutsman County, North Dakota

Dear Mr. Holven:

Tetra Tech contracted with Stark Preservation Planning LLC (Stark) to conduct a Class II (reconnaissance) architectural history survey for the proposed Courtenay Wind Energy Project (the Project) in Stutsman County, North Dakota on the behalf of Geronimo Energy.

PROJECT

The proposed Project is a 200 megawatt (MW) facility located 15 miles (mi) north of Jamestown in Stutsman County, North Dakota (see Figure 1). The Project includes the construction of between 100 and 133 turbines (dependent upon final turbine model selected) and associated access roads, electrical collection system, permanent meteorological towers, and substation.

CLASS I CULTURAL RESOURCE LITERATURE SEARCH

In February 2013, Westwood Professional Services Inc. (Westwood) prepared the *Class I Cultural Resource Literature Search for the Proposed Courtenay Wind Farm, Stutsman County, North Dakota* (Grohnke and Sather 2013). The Class I literature search provides an inventory of the recorded historic properties within the proposed Project area. The Project area is the area of project activity plus a one-mile buffer. Westwood conducted the literature search on October 2012 at the State Historical Society of North Dakota using the North Dakota Cultural Resources Survey (NDCRS) database.

Since the Class I study was completed, the study area for the Project was refined, narrowing the study and excluding the transmission line areas. The current study area is formed by a 1-mile buffer around the proposed turbine locations. In almost all cases, this has resulted in a narrower study area within the boundaries of the Class I research area and the results of the Class I study remain valid.

Previous architectural surveys of the area identified six historic/architectural resources within the research area used in the Class I study. Two properties remain within the refined study area. Property 32SNx112 (farmstead) was reported as eligible for listing in the National Register of Historic Places (NRHP) and 32SN718 (school) may be eligible for NRHP listing, but requires further work.

SHPO CONSULTATION

In early 2013, Westwood sent a letter to the North Dakota State Historic Preservation Office (SHPO) notifying the agency of the proposed Courtenay Wind Farm. The SHPO responded with the recommendation for a Class II (reconnaissance) survey for standing structures in the visual area of potential effect (APE) and a Class III survey of those found to be fifty years of age or older. On June 6, 2013, Tetra Tech requested SHPO Review and Compliance Coordinator, Ms. Susan Quinnell, to identify properties within the proposed APE to be surveyed in a Class II survey. Ms. Quinnell identified 26 locations which included 33 properties or property groupings (e.g. farmstead) on USGS topographic maps. Ms. Quinnell requested that photographs for each property be provided to the SHPO, and that NDCRS site forms be prepared for properties with potential to be eligible for listing in the NRHP.

FIELD SURVEY

Tetra Tech conducted the field survey between June 17 and 21, 2013. Photographs from public roads were taken of each property identified by SHPO. Photographs and photograph logs were provided to William E. Stark, a North Dakota permitted architectural historian, who evaluated the properties for NRHP eligibility.

SUMMARY FINDINGS AND RECOMMENDATIONS

Thirty three properties within the APE were photo-documented in the field survey (Table 1). Of these, 29 properties were farmsteads, farmstead sites or farmstead remnants. Two cemeteries and two school buildings were also documented.

TABLE 1

Field No.	Name	Recommendation
TT01	Abandoned farmstead remnants	Not eligible
TT02	Abandoned farmstead remnants	Not eligible
TT03	Farmstead	Not eligible
TT04	Farmstead (32SNx112)	Previously determined eligible. Field investigation recommended to verify the property's continued eligibility for the NRHP; if confirmed, an analysis of effects should be conducted.
TT05	Farmstead not extant	Not eligible
TT06	Cemetery	Class III Intensive Inventory recommended for evaluation.
TT07	Farmstead remnants	Not eligible
TT08	Farmstead not extant	Not eligible
TT09	Farmstead remnants	Not eligible
TT10	Farmstead remnants	Not eligible
TT11	Farmstead	Appears to have many intact components, including the dwelling, barn and outbuildings. Photographs could not clearly show the barn or the details of the house. Class III Intensive Inventory recommended.

Field No.	Name	Recommendation
TT12_15	Farmstead	Not eligible
TT13	Farmstead	Not eligible
TT14	Farmstead remnant	Not eligible
TT16	Farmstead	Not eligible
TT17	Farmstead	Not eligible
TT18	Farmstead	Not eligible
TT19	School	Class III Intensive Inventory recommended.
TT20	Farmstead	Not eligible
TT22	Cemetery	Not eligible
TT23	Farmstead remnant	Not eligible
TT24	Farmstead	Not eligible
TT25	Farmstead	Not eligible
TT26	Farmstead	Not eligible
TT27	Farmstead remnants	Not eligible
TT28	Farmstead	Not eligible
TT29	Farmstead	Not eligible
TT30	Farmstead	Not eligible
TT31	Farmstead	Not eligible
TT32	Farmstead remnant	Not eligible
TT33	Farmstead	Not eligible
TT34	Farmstead remnant	Not eligible
TT35	School (32SN718)	Previously documented and found potentially eligible. Class III Intensive Inventory recommended.

CONCLUSIONS

Stark recommends additional historic site documentation work as follows:

- Update Class I Literature Search;
- Verify eligibility and assess effects to Farmstead 32SNx112;
- Conduct Class III Intensive Inventory of Cemetery TT06;
- Conduct Class III Intensive Inventory of Farmstead TT11; and
- Conduct Class III Intensive Inventory of School TT19 and 32SN718.

If you should have any questions or comments concerning this submittal, please feel free to contact me at (651) 353-2628 or will@starkpreservation.com.

Sincerely,

A handwritten signature in blue ink that reads "WE Stark". The signature is written in a cursive style with a horizontal line extending to the right.

William E. Stark
Principal Investigator

Attachments: Correspondence



**STATE
HISTORICAL
SOCIETY
OF NORTH DAKOTA**

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Governor of North Dakota

North Dakota
State Historical Board

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Mark Zimmerman
*Director
Parks and Recreation
Department*

Grant Levi
*Acting Director
Department of Transportation*

Merlan E. Paaverud, Jr.
Director

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American Alliance
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February 26, 2013

Mr. Dean T. Sather
Westwood Professional Services
7699 Anagram Drive
Eden Prairie, MN 55344

ND SHPO REF: 13-0633 PSC PU-13-64 Geronimo Wind Energy, Courtenay Wind Farm, LLC, 200.5 MW Wind Energy Conversion Facility 58 - 120 turbines Stutsman County, North Dakota


Dear Mr. Sather,

We reviewed your very preliminary information on ND SHPO REF: 13-0633 PSC PU-13-64 Geronimo Wind Energy, Courtenay Wind Farm, LLC, 200.5 MW Wind Energy Conversion Facility Stutsman County, North Dakota. There is potential for unrecorded and recorded cultural resource properties in a variety of physiographic settings in the overall project area. If the project requires permits issued by a federal and/or state agency (e.g., WAPA, RUS, COE, USFWS, BOR, PSC) then the respective agencies are to be consulted regarding their recommendations on the project. As a potential federal undertaking, we encourage early agency consultation as part of the review process. Early consultation should also include tribal nations, North Dakota Indian Affairs, ND DOT regarding any Scenic Byways, and managers or owners of properties maintained for recreational or scenic value.

We recommend a Class II (reconnaissance) survey by a permitted architectural historian for standing structures in the visual Area of Potential Effect (APE), and Class III survey of those found to be fifty years of age or older by a permitted architectural historian. Class III (pedestrian) surveys will be warranted for all areas directly impacted by the project, including crane paths, access roads, transmissions lines and turbine pads. We encourage you to invite tribal monitors to survey the APE. As part of the Class III Inventory, NDCRS site updates should be submitted on all sites resurveyed. If the project APE changes, we will request additional Class I (Cultural Resource Literature Search) inventories and consultation.

Thank you for the opportunity to review this project to date. We look forward to further review of cultural resource surveys and site forms, and updates as the project siting occurs. If you have any questions please contact Paul Picha, Chief Archaeologist (701) 328-3574 or Susan Quinnell, Review and Compliance Coordinator at (701) 328-3576, e-mail squinnell@nd.gov

Sincerely,


Merlan E. Paaverud, Jr.
State Historic Preservation Officer (North Dakota) and
Director, State Historical Society of North Dakota

C: Patrick Fahn, PSC

Holven, Adam

From: Holven, Adam
Sent: Thursday, June 06, 2013 8:40 AM
To: Quinnell, Susan L. [squinnell@nd.gov] (squinnell@nd.gov)
Subject: Request for Comment_Courtenay Wind Energy Center (ND SHPO REF: 13-0633)

Hi Susan,

Please find attached a request for comment letter and associated maps for the Courtenay Wind Energy Center (SHPO Ref.: 13-0633) in Stutsman County. Typically, I would mail this into the SHPO, but we are under a little time crunch and I hope emailing you this letter is alright. I can also send a hard copy if you would like to see that as well. We would like to you to review the maps and determine which properties the SHPO would like to see in the Class II report.

I believe we looked at all the properties present on the topo map within 1-mile of the proposed turbines for the [REDACTED] that I am also working on and we were hoping to do something similar with this project. We were hoping you good provide the SHPO's comments by early next week; we need to get the field work started ASAP so we can have draft results and recommendations for a PSC hearing on July 2.

Thank you very much and please let me know if you have any questions,
Adam

Adam C. Holven | Senior Archaeologist/Project Manager
Direct: 612.643.2237 | Main: 612.643.2200 | Fax: 612.643.2201
adam.holven@tetrattech.com

Tetra Tech
2001 Killebrew Drive, Suite 141 | Bloomington, Minnesota 55425 | www.tetrattech.com

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TETRA TECH

June 6, 2013

Susan Quinnell
Review and Compliance Coordinator
North Dakota State Historic Preservation Office
612 East Boulevard Drive
Bismarck, North Dakota 58505

Subject: Request for Comment on the Area of Potential Effects for Visual Effects for the Courtenay Wind Energy Center (ND SHPO REF: 13-0633), Stutsman County, North Dakota.

Dear Ms. Quinnell:

On February 26, 2013, Courtenay Wind Farm, LLC received a letter from the State Historical Society of North Dakota (SHSND) indicating the agency's review of the Class I Cultural Resource Inventory (ND SHPO REF: 13-0633). In this letter, SHSND recommended the completion of a Class II Reconnaissance Survey for standing structures and a Class III Pedestrian Survey for areas to be directly impacted by the project. Tetra Tech will conduct a Class III Pedestrian Survey in June 2013.

In regards to the Class II Reconnaissance Survey for standing structures, Tetra Tech requests the SHPO's comments on the size of the area of potential effects (APE) for visual effects for the Courtenay Wind Energy Center. Tetra Tech also requests that the SHPO identify those properties (inventoried or un-inventoried) that should be included within the Class II Reconnaissance Survey. Tetra Tech has provided three maps (hard copy and electronic copy) of the proposed turbine layout dated June 5, 2013.

Please feel free to contact me by telephone (612-643-2237) or by email (adam.holven@tetrattech.com) if you have any questions concerning this request.

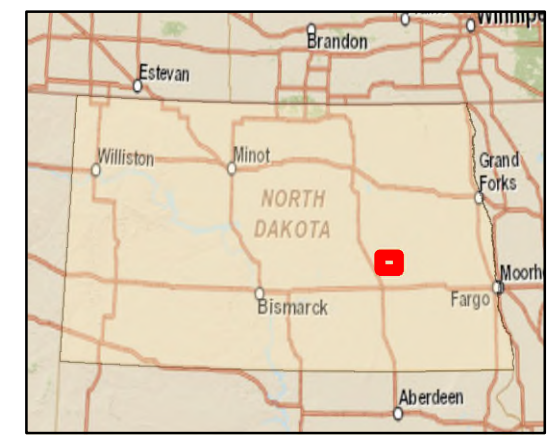
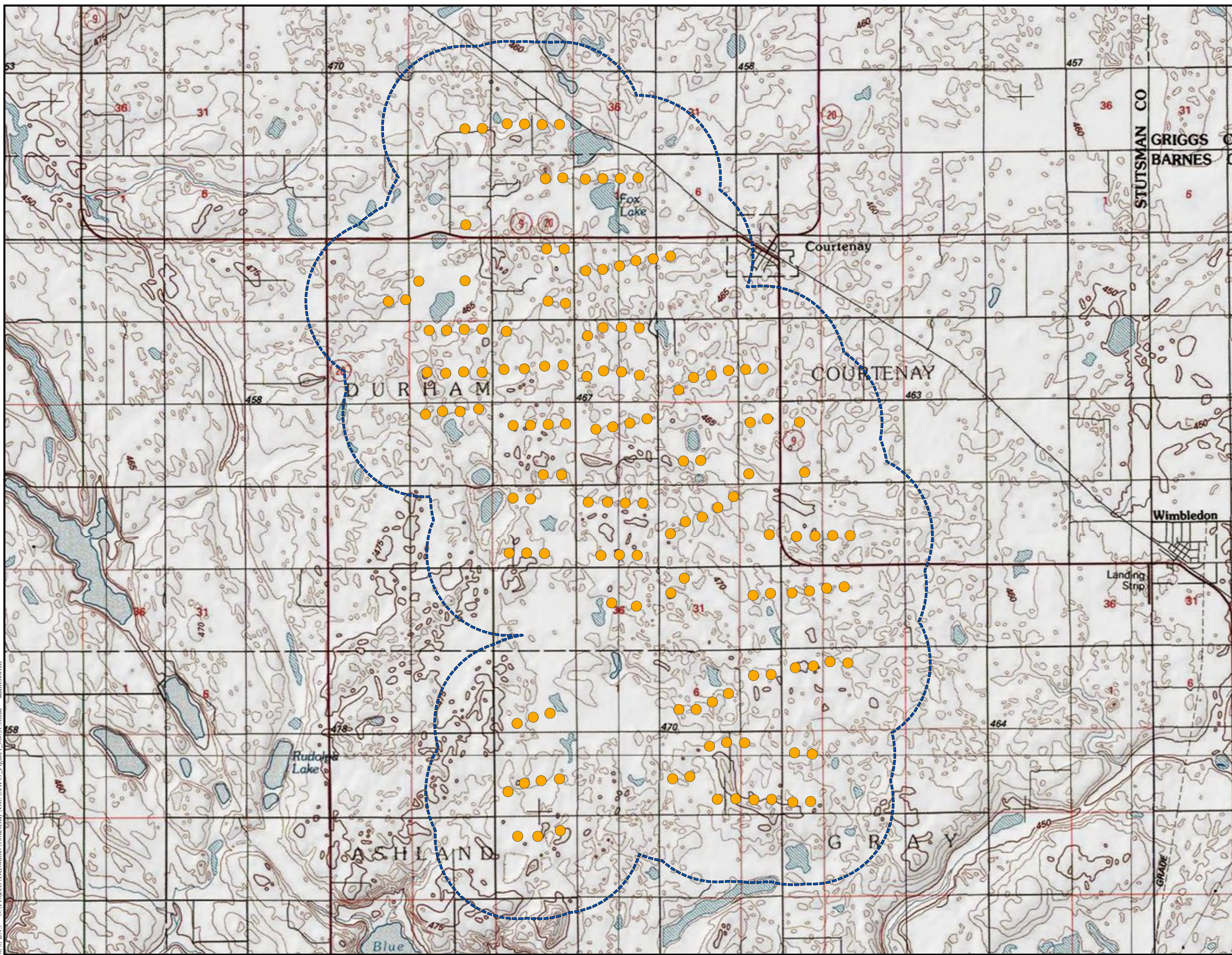
Sincerely,

Adam Holven
Senior Archaeologist/Project Manager

Enclosures

cc:

Mr. Patrick Smith, Geronimo Energy
Ms. Kimberely Gorman, Tetra Tech



Facility Layout 6/5/2013

- Proposed Turbine Location
- 1-mile Turbine Layout Buffer

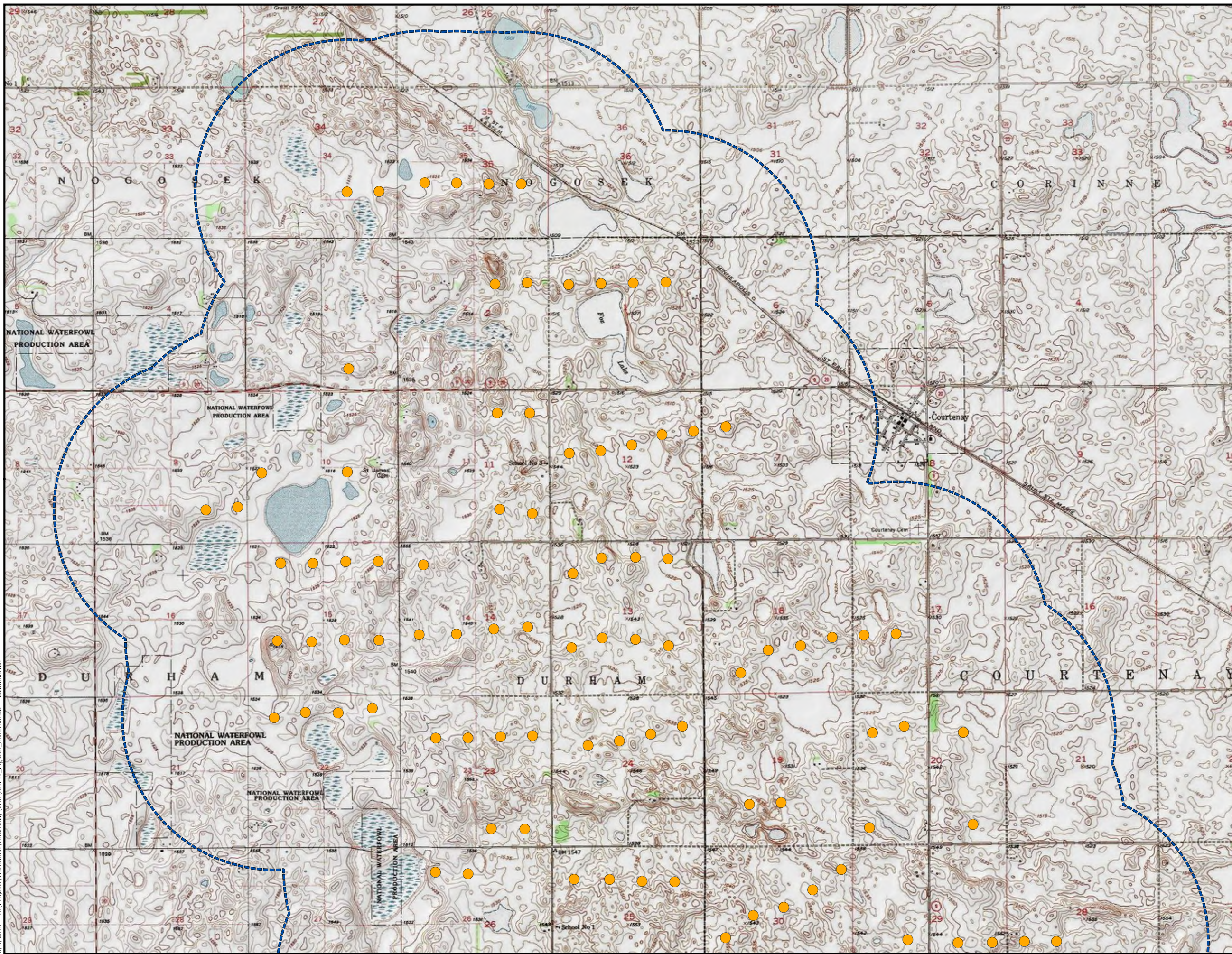


Figure 1:
Turbine Location
with 1-mile Buffer
Courtenay Wind Energy Center
Stutsman County, North Dakota



6/5/2013 S:\Projects\Geronimo\Courtenay\GIS\SHPO_Figure1_060513.mxd adam.holven

Source: Map adapted from ArcGIS Map Server USA Topos - 24k (Courtenay NW [1990], Courtenay [1951], Spintwood Lake [1951], and Fried [1990] ND); Geronimo Energy - Courtenay Wind Energy Center (turbines 6/5/13).



Facility Layout 6/5/2013

- Proposed Turbine Location
- ⊖ 1-mile Turbine Layout Buffer

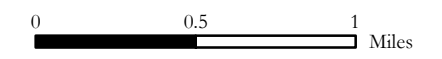
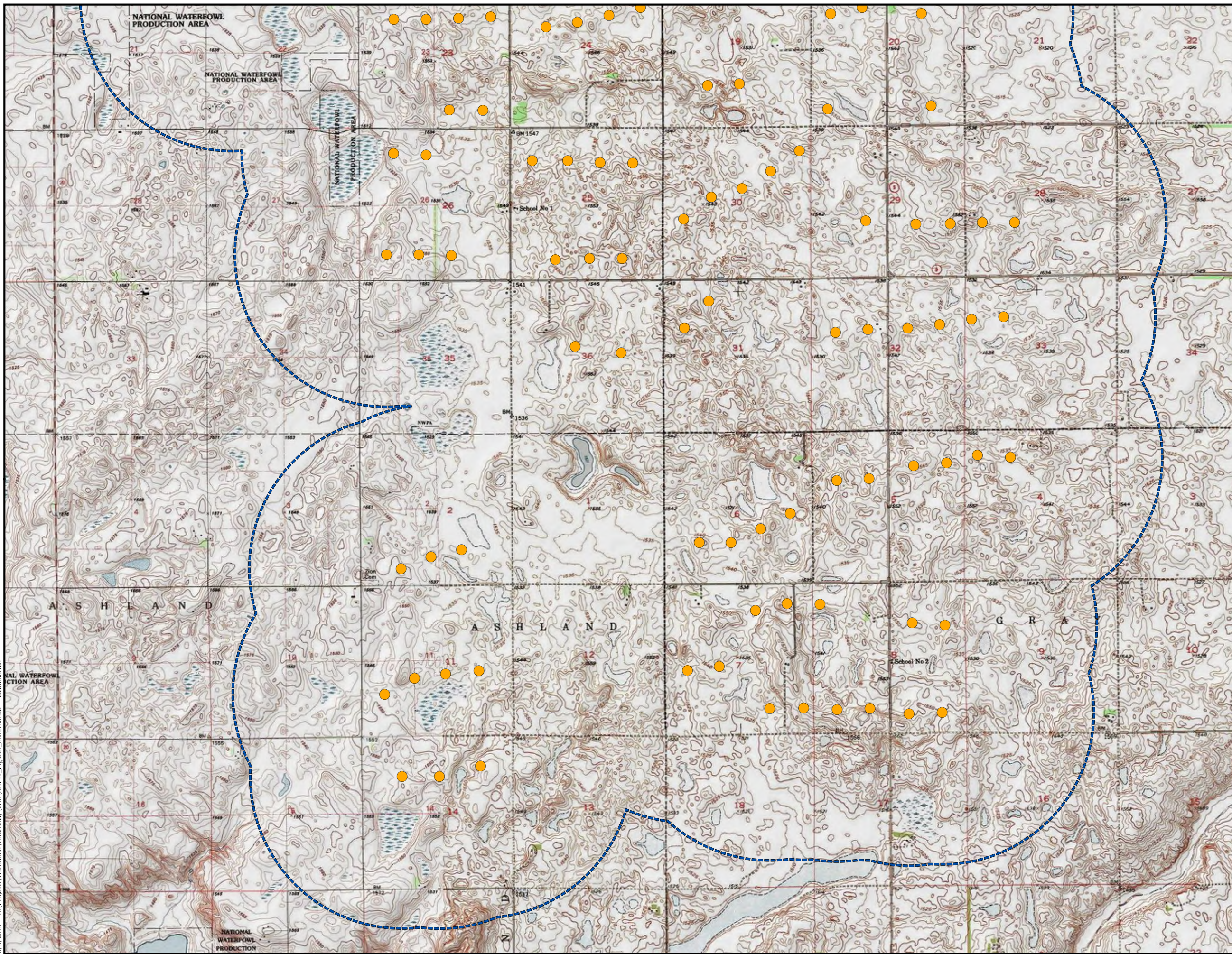


Figure 2a: North Half
Turbine Location
with 1-mile Buffer
Courtenay Wind Energy Center
Stutsman County, North Dakota



6/5/2013 S:\Projects\Geronimo\Courtenay\GIS\SHPO_Figure1_060513.mxd adam.holven

Source: Map adapted from ArcGIS Map Server USA Topos - 24k (Courtenay NW [1990], Courtenay [1951], Spiritwood Lake [1951], and Fried [1990] ND); Geronimo Energy - Courtenay Wind Energy Center (turbines 6/5/13).



- Facility Layout 6/5/2013**
- Proposed Turbine Location
 - 1-mile Turbine Layout Buffer

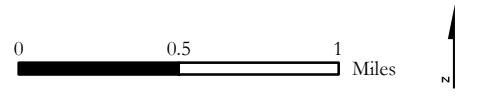


Figure 2b: South Half
Turbine Location
with 1-mile Buffer
Courtenay Wind Energy Center
Stutsman County, North Dakota



6/5/2013 S:\Projects\Geronimo\Courtenay\GIS\SHPO_Figure1_060513.mxd adam.holven

Source: Map adapted from ArcGIS Map Server USA Topos - 24k (Courtenay NW [1990], Courtenay [1951], Spintwood Lake [1951], and Fried [1990] ND); Geronimo Energy - Courtenay Wind Energy Center (turbines 6/5/13).

Holven, Adam

From: Quinnell, Susan L. <squinnell@nd.gov>
Sent: Thursday, June 06, 2013 2:39 PM
To: Holven, Adam
Subject: RE: Request for Comment_Courtenay Wind Energy Center (ND SHPO REF: 13-0633)
Attachments: doc07603420130606144412.pdf; doc07603020130606144213.pdf

Hi Adam,

Here are your maps back. I count 11 in the bottom half and 15 in the top half that you should drive by and provide photographs/ Just do site forms if something looks eligible.

Susan Quinnell
Review and Compliance Coordinator
ND State Historic Preservation Office
State Historical Society of North Dakota
North Dakota Heritage Center
612 East Boulevard Avenue
Bismarck ND 58505-0830

701-328-3576
701-328-3710 FAX

From: Holven, Adam [<mailto:adam.holven@tetrattech.com>]
Sent: Thursday, June 06, 2013 8:51 AM
To: Quinnell, Susan L.
Subject: RE: Request for Comment_Courtenay Wind Energy Center (ND SHPO REF: 13-0633)

Sorry

From: Quinnell, Susan L. [<mailto:squinnell@nd.gov>]
Sent: Thursday, June 06, 2013 8:50 AM
To: Holven, Adam
Subject: RE: Request for Comment_Courtenay Wind Energy Center (ND SHPO REF: 13-0633)

Hi Adam, I'd be happy to look at this, but there are no attachments.

Susan Quinnell
Review and Compliance Coordinator
ND State Historic Preservation Office
State Historical Society of North Dakota
North Dakota Heritage Center
612 East Boulevard Avenue
Bismarck ND 58505-0830

701-328-3576
701-328-3710 FAX

From: Holven, Adam [<mailto:adam.holven@tetrattech.com>]
Sent: Thursday, June 06, 2013 8:36 AM
To: Quinnell, Susan L.
Subject: Request for Comment_Courtenay Wind Energy Center (ND SHPO REF: 13-0633)

Hi Susan,

Please find attached a request for comment letter and associated maps for the Courtenay Wind Energy Center (SHPO Ref.: 13-0633) in Stutsman County. Typically, I would mail this into the SHPO, but we are under a little time crunch and I hope emailing you this letter is alright. I can also send a hard copy if you would like to see that as well. We would like to you to review the maps and determine which properties the SHPO would like to see in the Class II report.

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Thank you very much and please let me know if you have any questions,
Adam

[Adam C. Holven](#) | Senior Archaeologist/Project Manager
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