

Jennifer Dean

From: Quinnell, Susan L. <squinnell@nd.gov>
Sent: Tuesday, March 26, 2019 11:15 AM
To: Harris, Brandy M
Cc: Fulmer, John; Bailey, Justin; Jennifer Dean
Subject: RE: Aurora Historic Resources Mitigation Scope (ND SHPO Ref: 18-0244 ND PSC)

Hi Brandy,

This looks acceptable. I hope you have good luck with the owners. I understand that there will be no site form work for this project.

Best Regards,

Susan Quinnell
Review and Compliance Coordinator
Acting Architectural Historian
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 Office

<http://www.history.nd.gov/hp/>

Blog: <http://blog.statemuseum.nd.gov/users/susan-quinnell>

From: Harris, Brandy M [mailto:bmharris@burnsmcd.com]
Sent: Monday, March 25, 2019 12:19 PM
To: Quinnell, Susan L.
Cc: Fulmer, John; Bailey, Justin; Jennifer Dean
Subject: Aurora Historic Resources Mitigation Scope (ND SHPO Ref: 18-0244 ND PSC)

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Hi Susan,

Hope all is well! I've attached our proposed scope for the schoolhouse documentation effort in Williams County for your review and comment. The scope outlines our proposed mitigation for adverse effects to historic properties by the proposed Aurora Wind Farm Project. We are ready to kick off this effort and would like to have your approval before we start. Please contact me directly with any questions.

Thanks!
Brandy

Brandy Harris \ Burns & McDonnell

Senior Cultural Resources Specialist \ Historian

o 512-872-7135 \ m 512-558-2884

bmharris@burnsmcd.com \ burnsmcd.com

8911 Capital of Texas Highway \ Building 3, Suite 3100 \ Austin, TX 78759

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February 21, 2019

Ms. Jennifer Dean
Vice-President of Environmental Studies & Permitting
Tradewind Energy, Inc.
16105 W. 113th St.
Lenexa, KS 66219

Re: Proposal to Provide Mitigation Related Services for Visual Effects to Historic Properties – Proposed Aurora Wind Farm, Williams County, North Dakota

Dear Ms. Dean:

Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) has prepared this scope of work and cost estimate to provide historic resource mitigation related services to Tradewind Energy, LLC (Tradewind). This offset mitigation is required to compensate for adverse visual effects to nine historic-age non-archaeological resources within the area of potential effects (APE) for the proposed Aurora Wind Project (Project) in Williams and Mountrail Counties, North Dakota (32WI2308; 32WI0887; 32WI2311; 32WI2312; 32WI880; 32WI926; 32WI2313; 32WI2185; and 32WI2186).

The proposed mitigation includes four primary tasks and will ultimately result in production of a journal-length article about one-room schoolhouses in Williams County. The content of the article will be guided by the results of field documentation and archival research but could include discussion of common folk design trends among the resources, identification of a particular craftsman or group responsible for schoolhouse design and construction in the county, or analysis of how schoolhouses were sited and constructed to account for geographical and other natural conditions, such as weather, proximity to rural communities, etc. The cost covers:

- I. Landowner Coordination
- II. Field Documentation of the Schoolhouses
- III. Archival Research
- IV. Development of an Article

I. Landowner Coordination

Upon notice to proceed, Burns & McDonnell will initiate contact with landowners of the parcels containing the former schoolhouses (Table 1; Figure 1). Contact would be through certified letters requesting access to the buildings themselves to allow detailed documentation of both exterior and interior details. The letters will explain the purpose of the documentation effort, including the ultimate objective of completing a comparative journal article for schoolhouses across Williams County. Responses will be requested within 30 days. Forty requests will be submitted with the goal of receiving permissible access to at least 30 schoolhouses as per coordination with the North Dakota State Historic Preservation Office (SHPO).

The schoolhouses include both previously recorded and as yet undocumented resources. Each of the previously-recorded schoolhouses was selected for inclusion in the study either for its

representation of a particular type or construction method or because current records lack information about its historic significance. Previously undocumented schoolhouses were identified via comparison of historic period maps and modern aerial photography.

Table 1: School Ownership Information

Property ID	Name	Owner	Owner's Address
32WI0739	Lindahl Township School	Lindahl Township	TBD
32WI2171	West Bank Township School	Dilland, Gerald	10560 62nd St NW Tioga, ND 58852-9277
32WI2178	Traux (South) Township School	Maxine King Family Trust	801 2nd Ave W Williston, ND 58801-5223
32WI2179	Springbrook Township School	Upper MO Lutheran Bible Camp	PO Box 111 Epping, ND 58843-0111
32WI2181	Hartsoch School	View Township (Nesson School)	PO Box 564 Ray, ND 58849-0564
32WI2182	Pleasant Valley Township School	Appelen, Johan	3790 Edgewater Dr Gary, SD 57237-5528
32WI2183	South Meadow Township School #1	A&G Olson Family Farm LLP	PO Box 461 Tioga, ND 58852-0461
32WI2184	South Meadow Township School #2	Iverson, Leon; Iverson, Elains; Iverson, Yvonne	PO Box 65 Watford City, ND 58854-0065
32WI2185	Big Meadow Township School	Lindseth, Robert J; Lindseth, Duane F	900 E Highland Dr, Apt 22 Williston, ND 58801-4490
32WI2186	New Home Township School	Halverson, Jean Leone	1705 3rd Ave W, Apt 102 Williston, ND 58801-4120
32WI2187	Champion Township School 1	Knox, Jeffrey T	324 2nd Ave W Ray, ND 58849-4931
32WI2188	Oliver Township School	State of North Dakota	PO Box 5523 Bismarck, ND 58506-5523
32WI2189	Rainbow Township School	Ring, Kristian; Ring, Lucas; Ring, Lynden	210 65th St E Williston, ND 58801-7301

Property ID	Name	Owner	Owner's Address
32WI2190	Big Stone Township School	Earecen Trust	55 NE Dogwood St Issaquah, WA 98207-2923
32WI2191	Winner Township School #1	Axness Family Farm LLP	917 15th Ave W Williston, ND 58801-4517
32WI2192	Winner Township School #2	Smith, Daryn D & Smith, Dorothy E	7497 Highway 85 Zahl, ND 58856-9445
32WI2193	Judson Township School	Erickson, Jack	25351 Boots Rd #6 Monterey, CA 93940-6658
32WI2194	Mont Township School	Iversen, Bonita K (Olson) & Olson, Daniel C	PO Box 383 Fairview, MT 59221-0383
32WI2195	Mission Ridge School	Tande School District #7	111 7th Ave W Williston, ND 58801-5931
32WI2196	High Cliff School	Formosa School District #39	111 7th Ave W Williston, ND 58801-5931
32WI2197	Haug School	Jesperesen, Troy & Jespersen Katelyn	15211 71st St NW Grenora, ND 58845-9303
32WI2198	Ellisville Township School	Anderson, Darrell C; Jaarstad, Lorna; Romo, Darlene	14607 56th Ave NW Stanwood, WA 98292-8909
32WI2199	Dublin Township School	Dublin Township	TBD
32WI2200	Athens Township School	Peterson, Dorothy A (Life Estate)	13505 69th St NW Williston, ND 58801-8953
32WI2201	Barr Butte Township School #1	Laqua, Vincent A	14594 80th St NW Grenora, ND 58845-9372
32WI2202	Barr Butte Township School #2	Garaas Family Trust	PO Box 1446 Williston, ND 58802-1446
32WI2203	Bonetrail School #2	Pioneer Trail Historical Society, Inc	14397 82nd St NW Zahl, ND 58856

Property ID	Name	Owner	Owner's Address
32WI2204	Orthell Township School	Glimm, Franklin A	7723 139th Ave NW Zahl, ND 58856-9405
BMCD Property 045	Possibly Relocated Schoolhouse	Olson, Gerald A & Olson, Marian	7938 112th Ave NW Wildrose, ND 58795-9429
BMCD Property 122	Champion Township School 2	Donna L Lemire Trust	PO Box 566 Kenmare, ND 58746-0566
N/A	Eureka School #2	Pederson Family Farm Trust	PO Box 254 Grenora, ND 58845-0254
N/A	Hamlet School	Fenster, Duane, & Fenster, Dorothy	PO Box 1947 Williston, ND 58802-1947
N/A	Pleasant Valley Township School	Nelson Family Farm Trust	16224 Batchellors Forest Rd Olney, MD 20832-2628
N/A	Marshall Township School	Marshall Township	TBD
N/A	Wheelock Township School	Wheelock Township/ Ray Farmers Union Elevator Co.	PO Box 128 Ray, ND 58849-0128
N/A	Missouri Ridge Township School	New Public School District #8	111 7th Ave W Williston, ND 58801-5931
N/A	Winner Township School	Solberg, Glen S.	13592 77th St NW Zahl, ND 58856-9448
N/A	Good Luck Township School	Good Luck Township	TBD
N/A	Good Luck Township School	Anderson, Oscar J. Trust	PO Box 1446 Williston, ND 58802-1446
N/A	Truax Township School	Seaton, Leroy (Barney)	1219 University Ave Williston, ND 58801-4423

*Source: <https://williamscountygis-williamscy.opendata.arcgis.com>

II. Field Documentation of the Schoolhouses

After the end of the 30-day response period, a team of Burns & McDonnell historians will conduct field documentation of the resources, either via right-of-entry or from the public right-

of-way if no response is received. As per coordination with the SHPO, historians will document the architectural details, materials, and integrity of each schoolhouse and gather the following information for each building:

- Resource's directional orientation and whether it is in its original location
- Window and entry configuration and directional orientation
- Whether building has electricity, and if so, approximate date of installation
- Current use
- The setting and surrounding landscape of each building, including geographic and topographic features that may have influenced its siting
- Distinctive features, including architectural elements and associated outbuildings
- Floorplans and interior details (where possible)

These details will be documented through photographs, sketch maps, and fieldnotes for further analysis.

III. Archival Research

Concurrently with the field documentation efforts, Burns & McDonnell historians will review archival documentation relevant to the resources, including North Dakota Cultural Resource Survey (NDCRS) Architectural Site Forms maintained by the SHPO, secondary histories, historic period maps and aerial photographs, and chain of title information at relevant repositories including but not limited to the following:

- State Historical Society of North Dakota (Bismarck)
- Williams County Courthouse (Williston)
- Williams County Historical Society (Williston)
- Williston Community Library (Williston)
- Tioga Historical Society/Norseman Museum (Tioga)
- Tioga Community Library (Tioga)

Historians will also attempt to conduct informal interviews with landowners or other oral informants identified in the field, including Kathy Wilner, a volunteer dedicated to documentation of one-room schoolhouses in North Dakota.

IV. Development of Journal Article

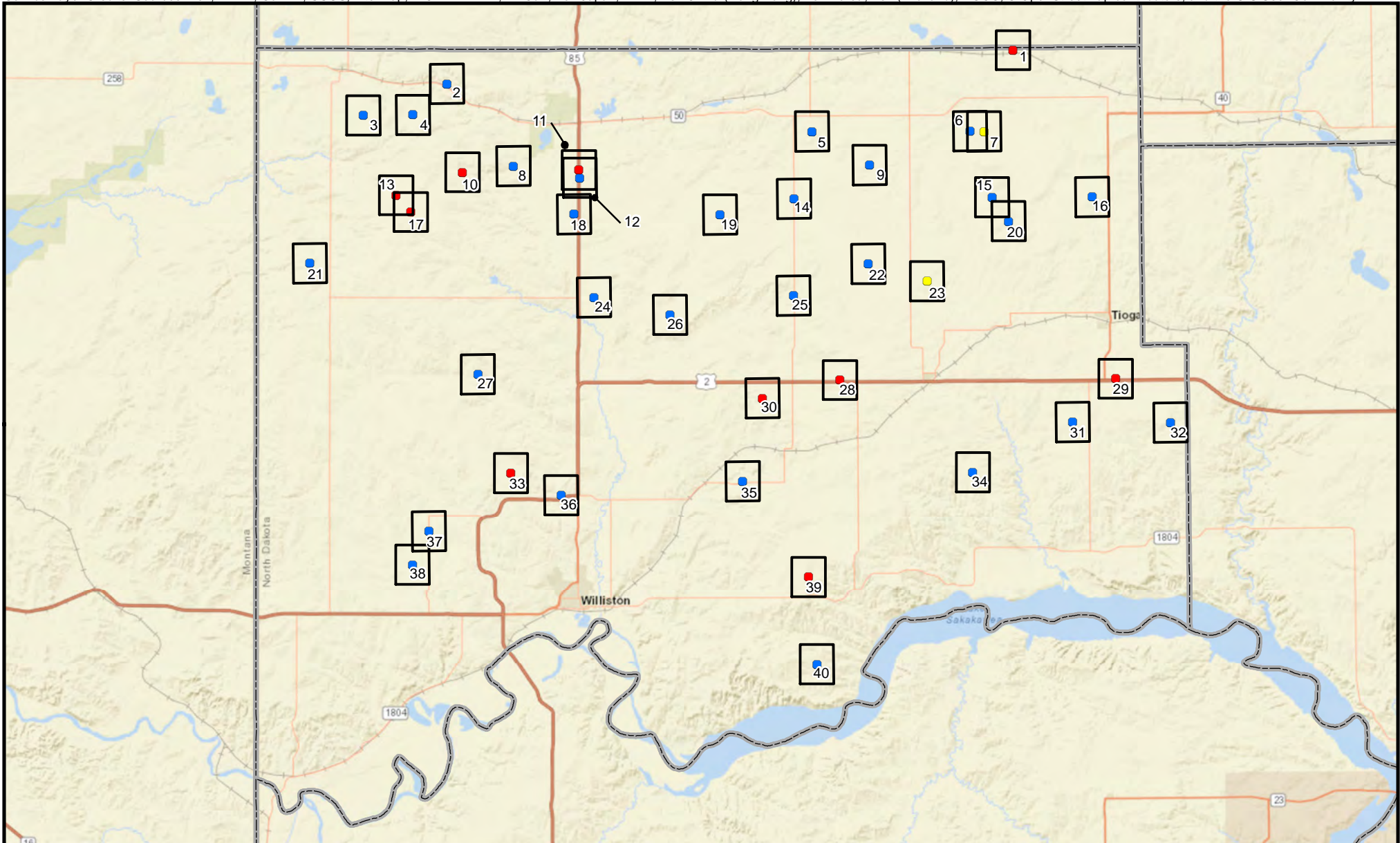
Based on the results of the field documentation and archival research efforts, Burns & McDonnell will develop a 5,000-word article according to the submission guidelines provided by the State Historical Society at <http://www.history.nd.gov/publications/ndhistory.html>. The article will summarize conclusions developed by comparative analysis of the schoolhouses' siting, architectural and design characteristics, periods of construction, and archival information. The article will be sent to Tradewind and SHPO for review and approval prior to submittal for publication. The submittal to the SHPO will include a database or inventory of the information gathered during the survey effort for their use and reference.

Assumptions

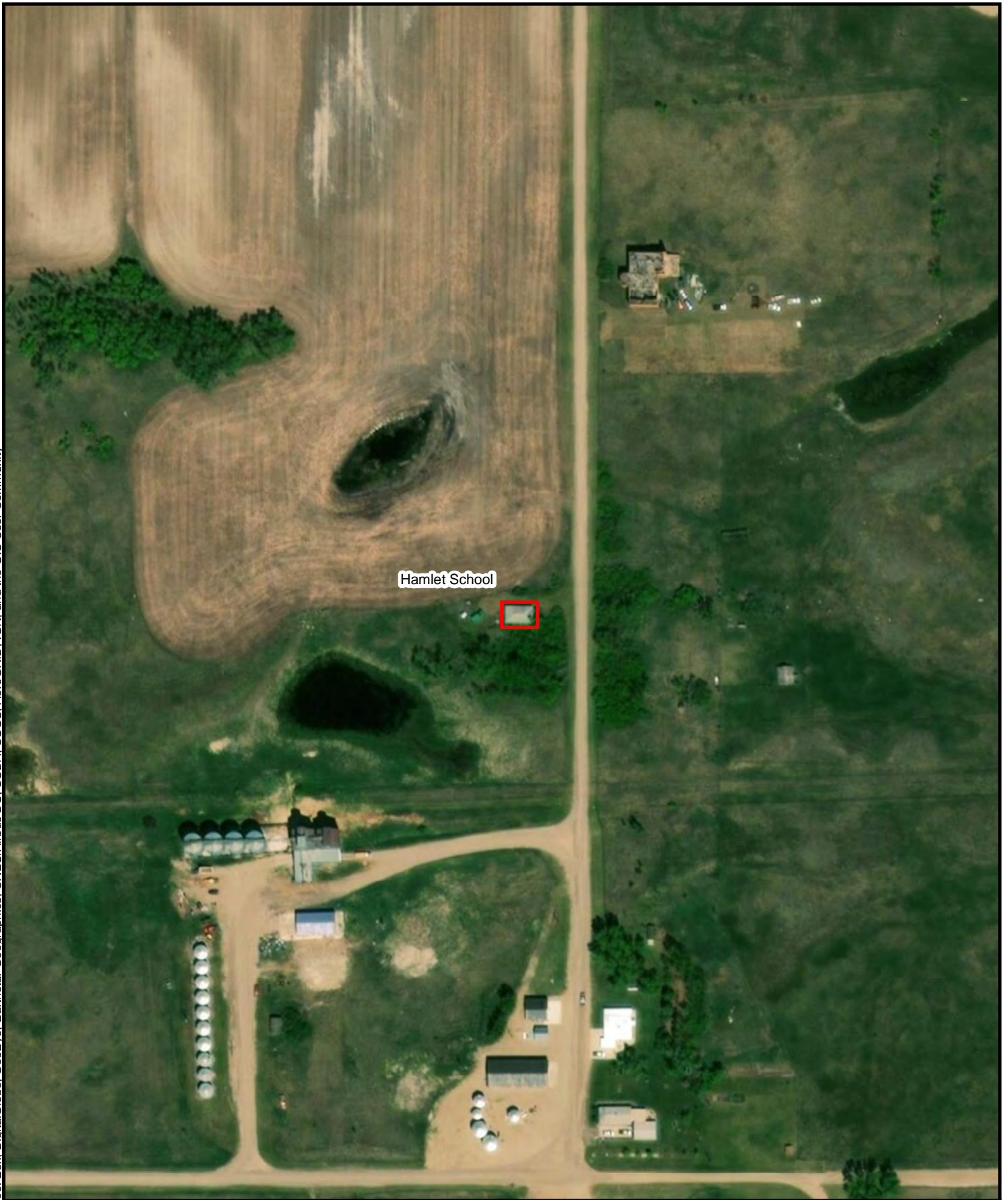
- Documentation and archival research will be complete in one field mobilization of three Burns & McDonnell staff (two for architectural documentation; one for archival research)

- At least 50 percent of the landowners will allow permissible entry to the schoolhouses to facilitate evaluation of their interiors; if not, the scope of the article may change
- Completion of fieldwork will be subject to amenable weather and roadway conditions
- Parcel and owner data provided by Williams County in February 2019 will still be relevant by the time of the survey
- Article scope will be limited to one topic approved by SHPO and will not require full analysis or description of the recorded schoolhouses
- No NDCRS forms will be completed for all schoolhouses that have not been previously recorded.

ATTACHMENT 1 - FIGURES




<ul style="list-style-type: none"> ● Previously Identified Schoolhouse 	Map Page	<p>4 2 0 4 Miles</p>		<p>Figure 1 Index Map Historic-Age Schoolhouses Aurora Wind Farm Williams County, North Dakota</p>
<ul style="list-style-type: none"> ● Newly Identified Schoolhouse 	County Boundary			
<ul style="list-style-type: none"> ● Possible Schoolhouse 				



Hamlet School



 Possible Historic-Age Schoolhouse

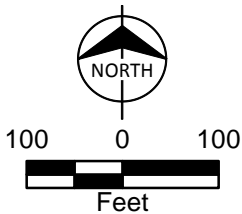



Figure 1-1
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

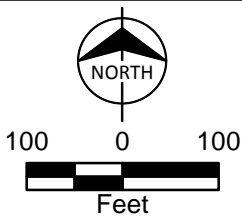
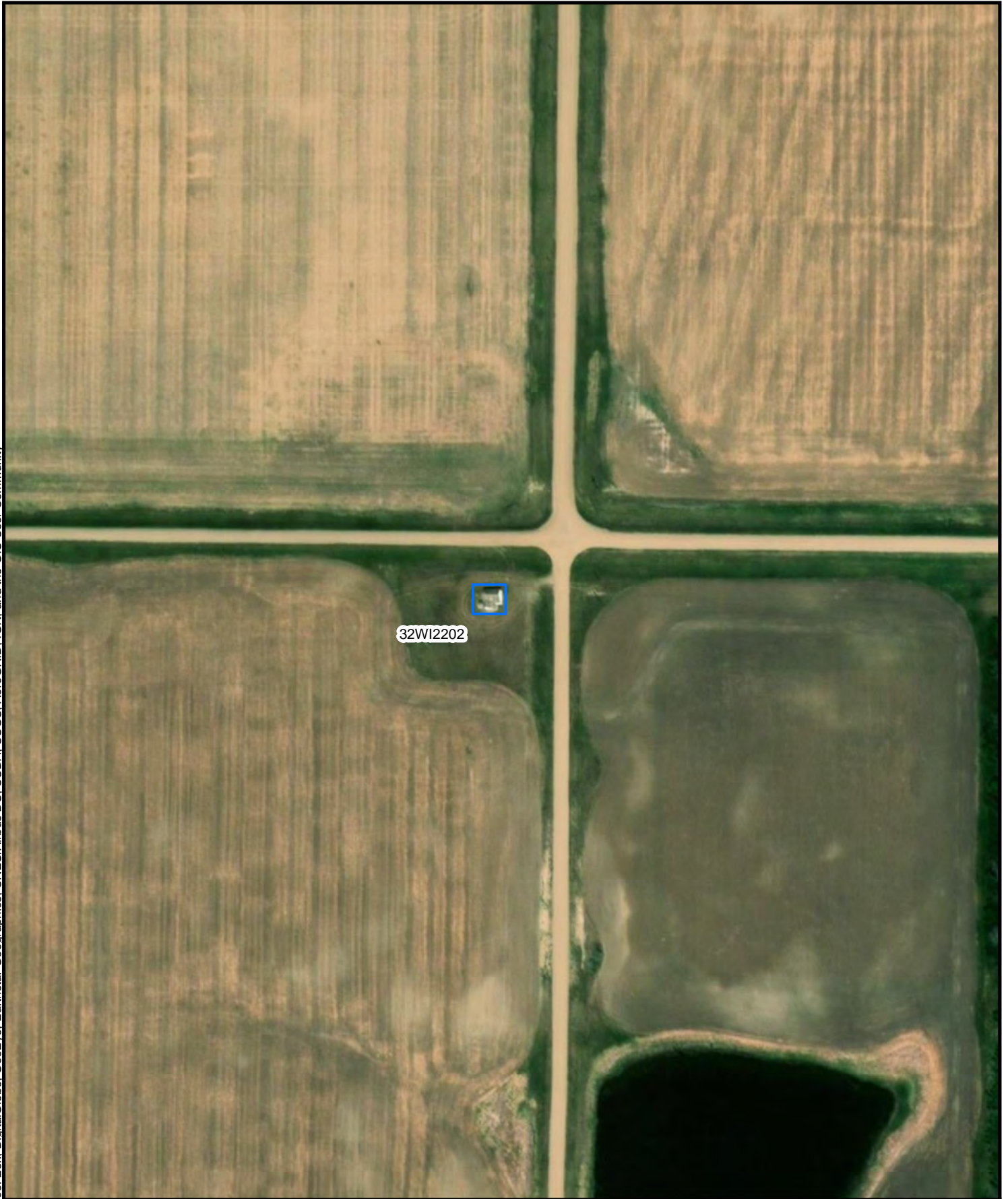



Figure 1-2
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

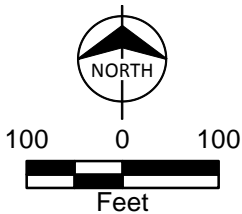
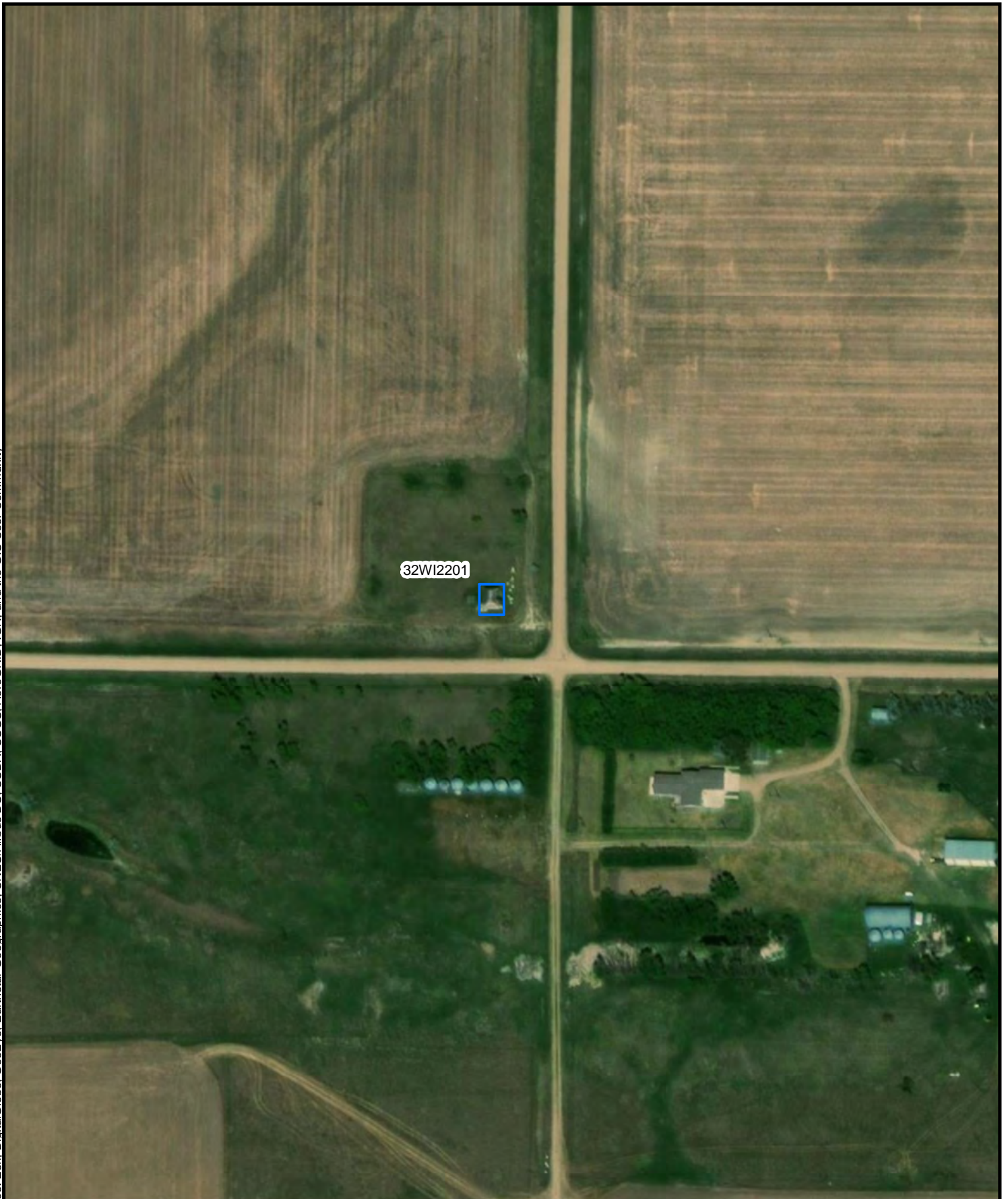



Figure 1-3
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

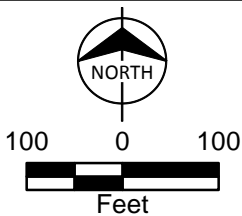
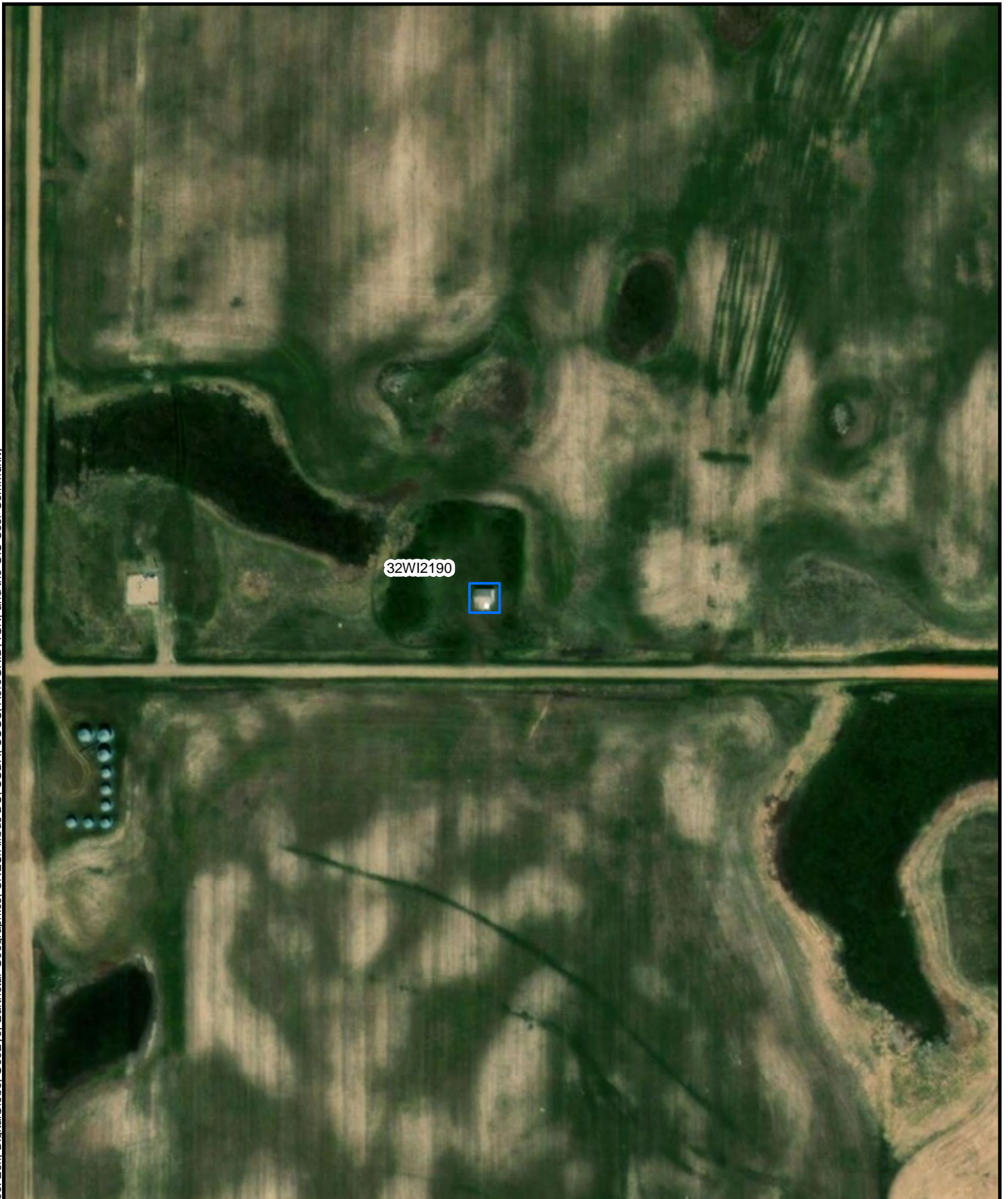



Figure 1-4
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

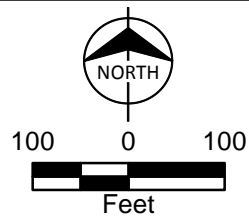
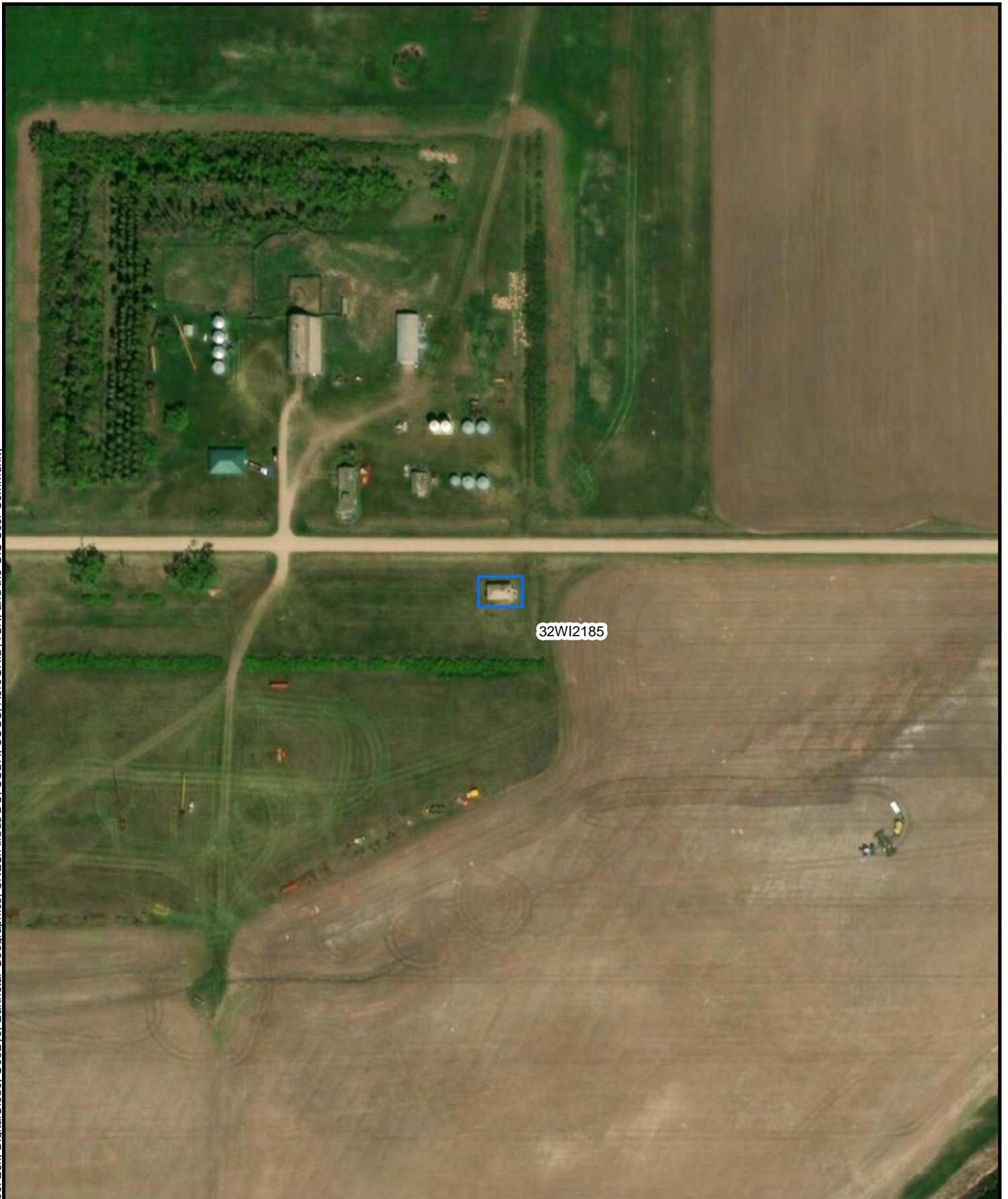



Figure 1-5
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

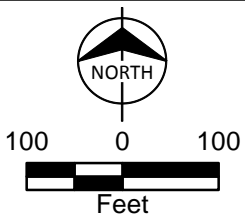
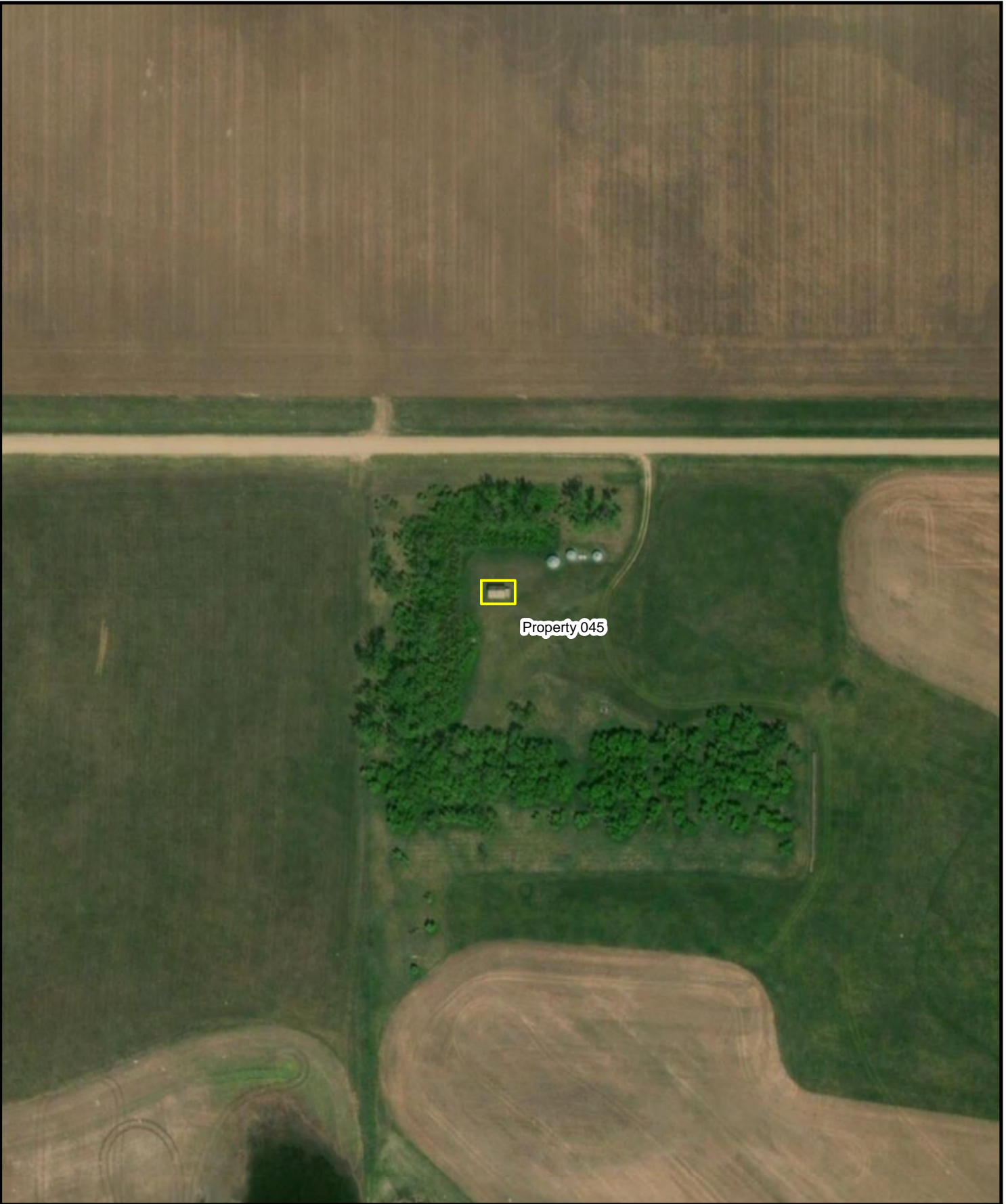



Figure 1-6
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Newly Identified Historic-Age Schoolhouse

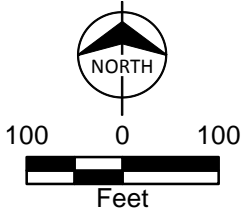
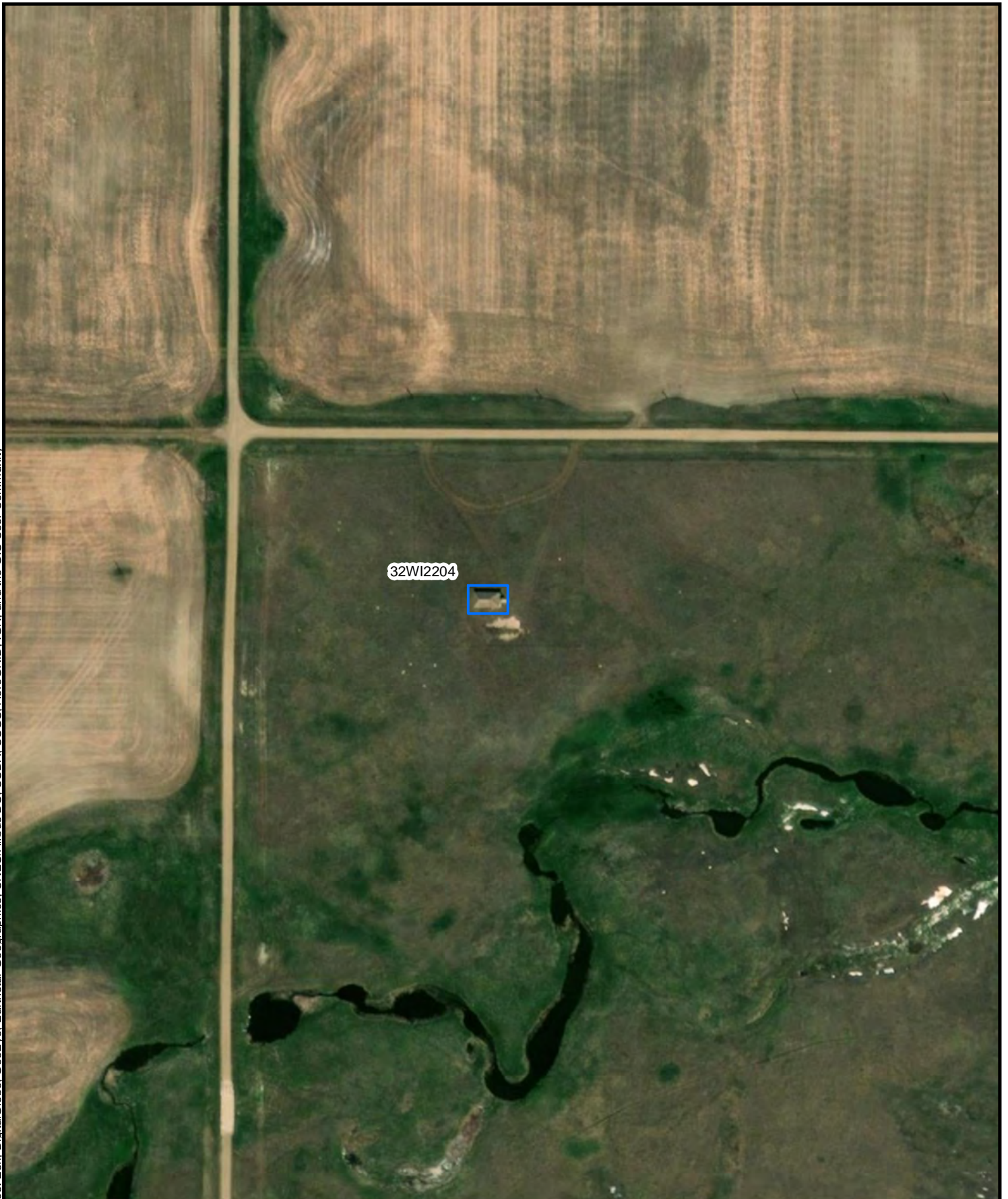



Figure 1-7
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

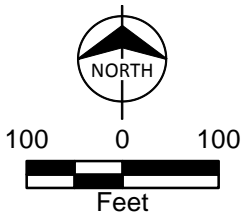
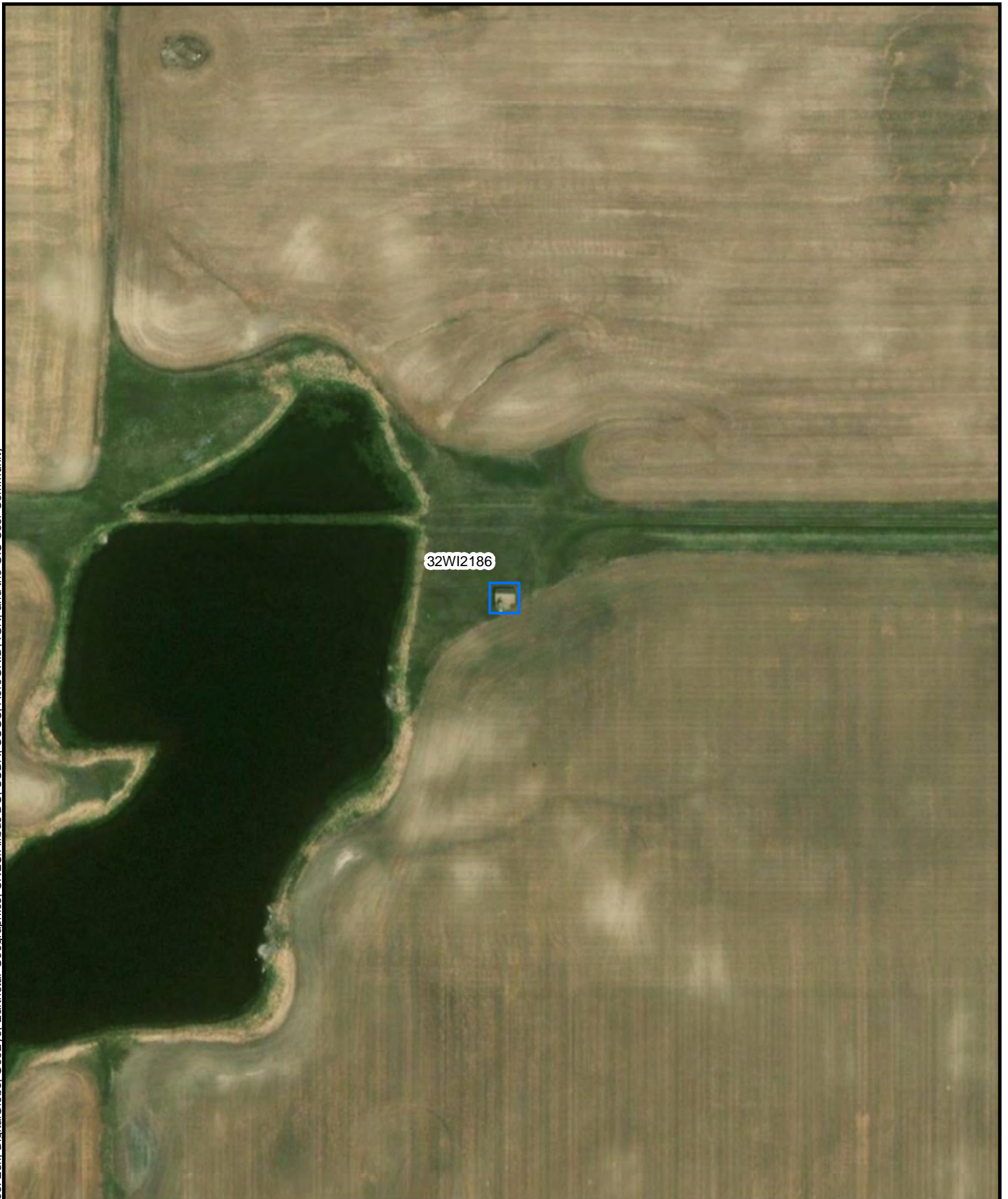



Figure 1-8
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

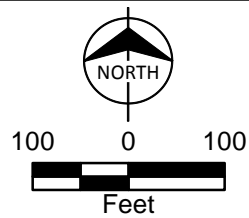



Figure 1-9
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



Eureka School No. 2



 Possible Historic-Age Schoolhouse

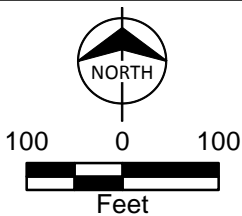
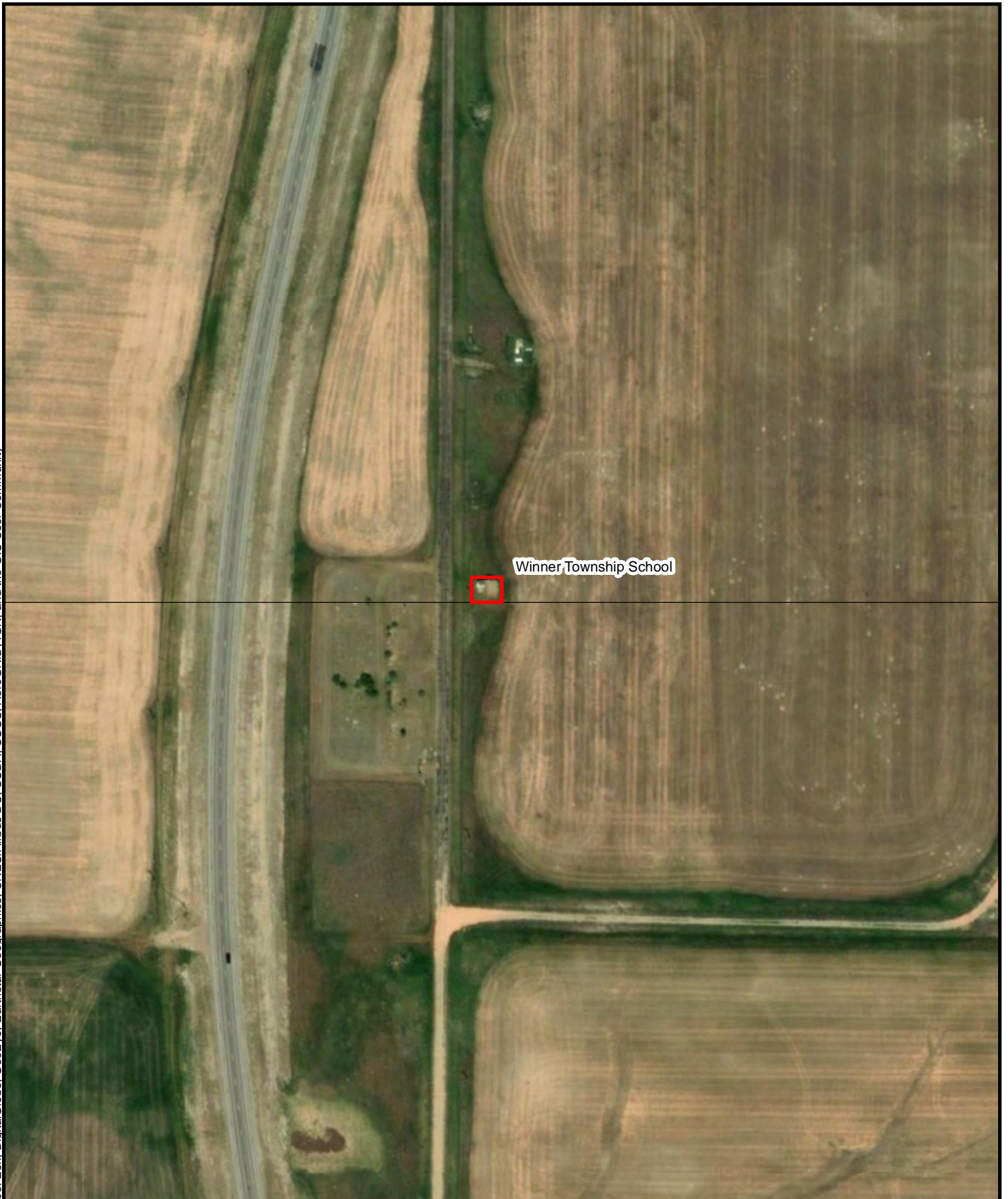



Figure 1-10
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Possible Historic-Age Schoolhouse

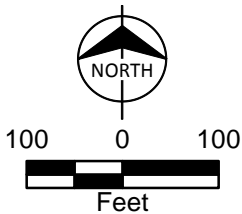



Figure 1-11
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

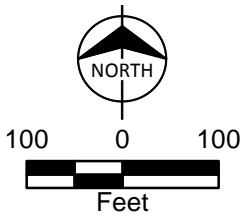



Figure 1-12
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



Good Luck, Township School



 Possible Historic-Age Schoolhouse

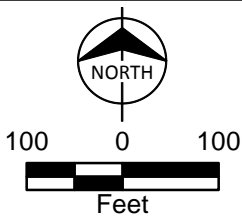
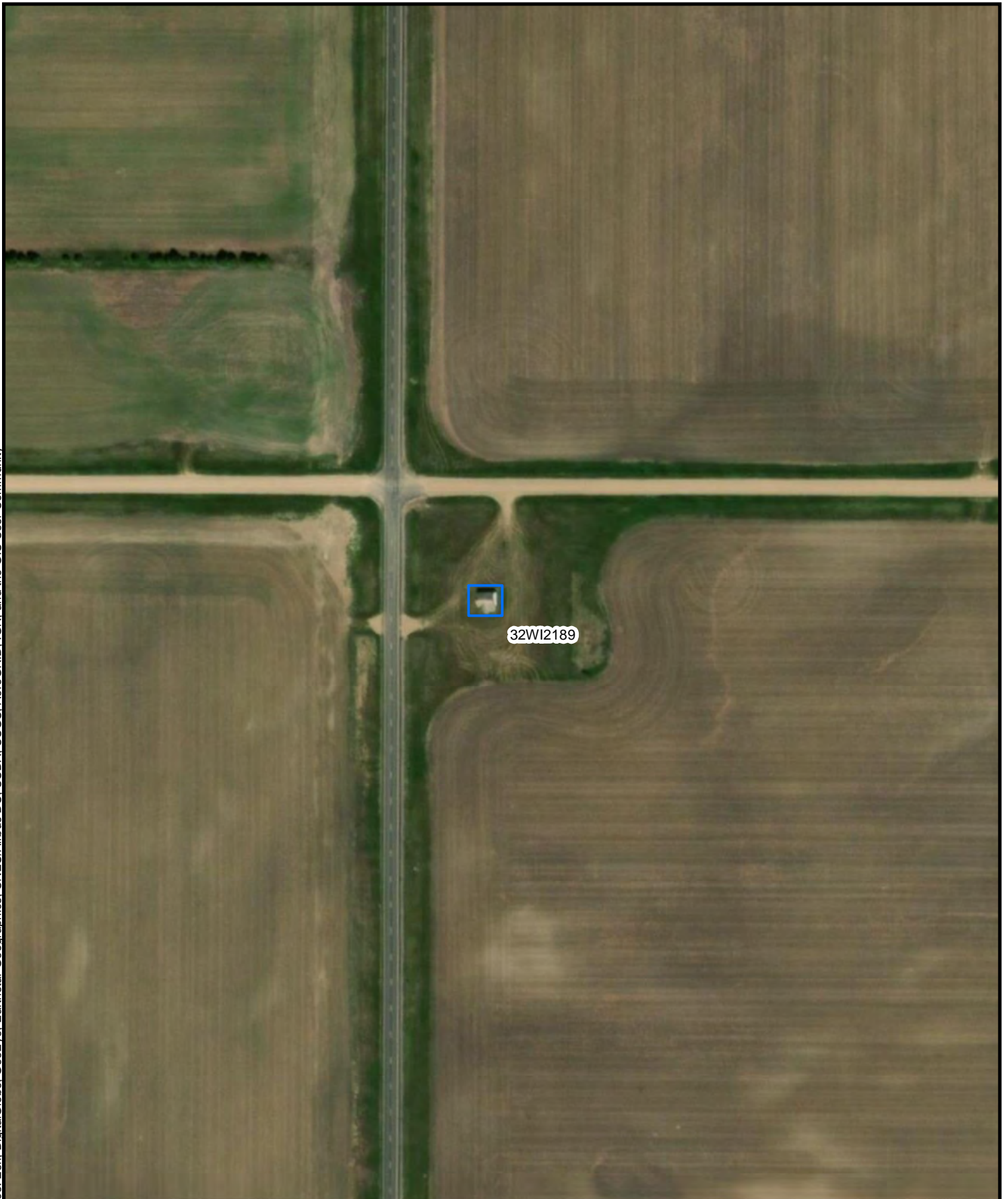



Figure 1-13
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

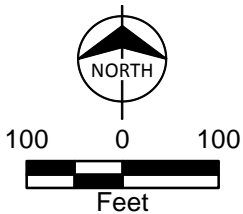
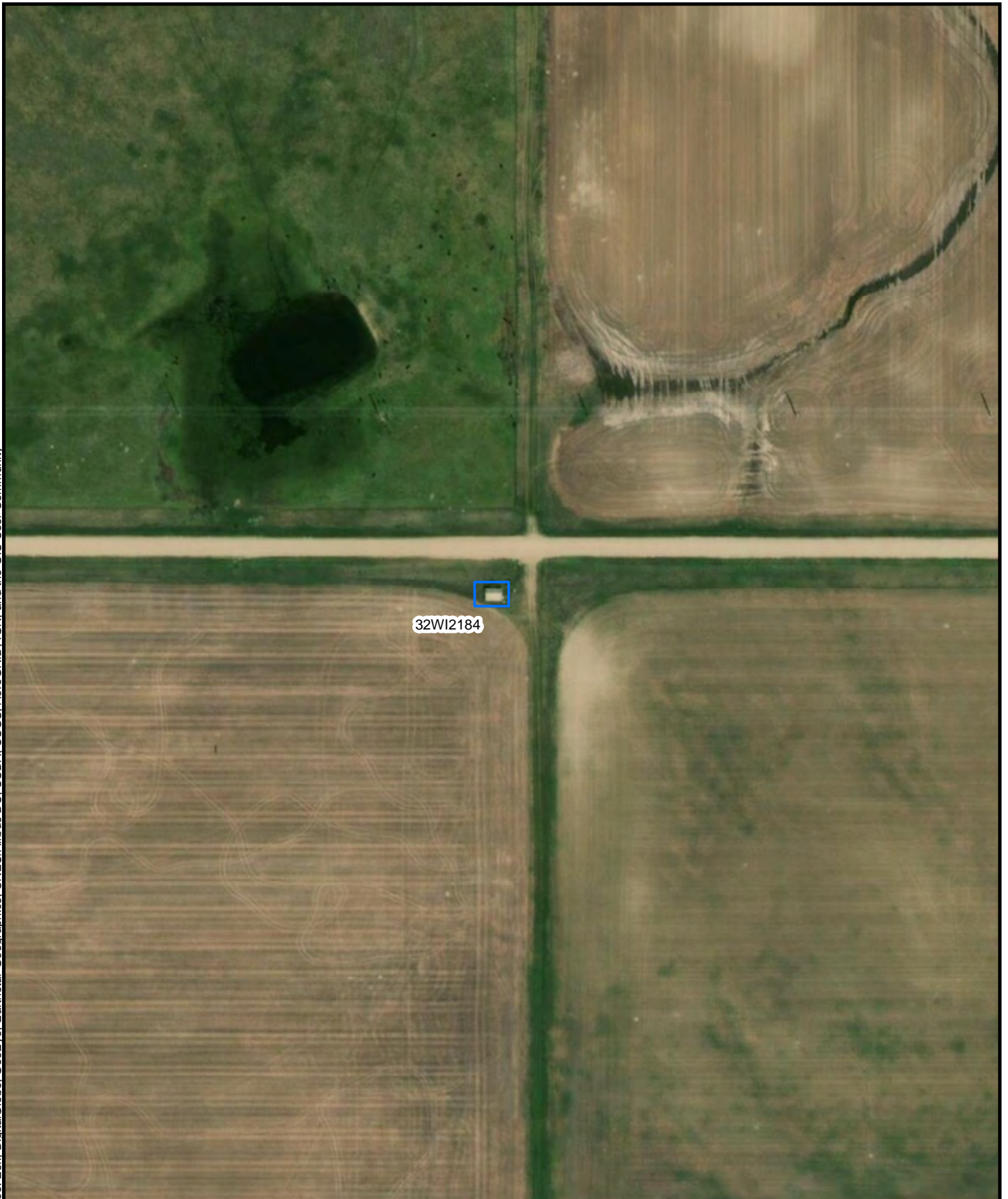



Figure 1-14
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

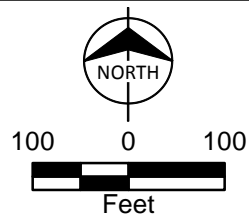
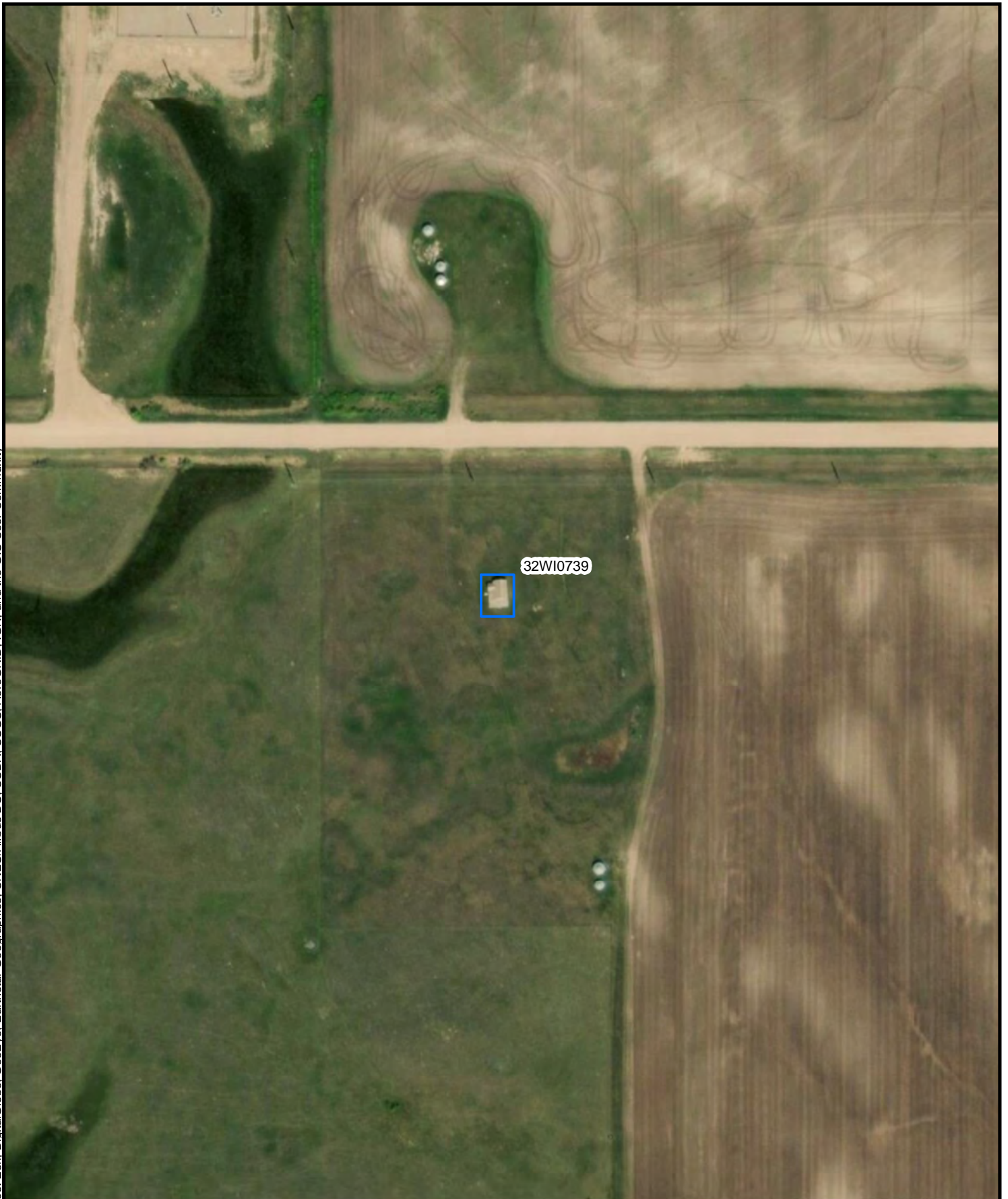



Figure 1-15
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

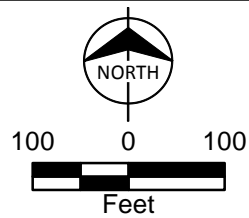
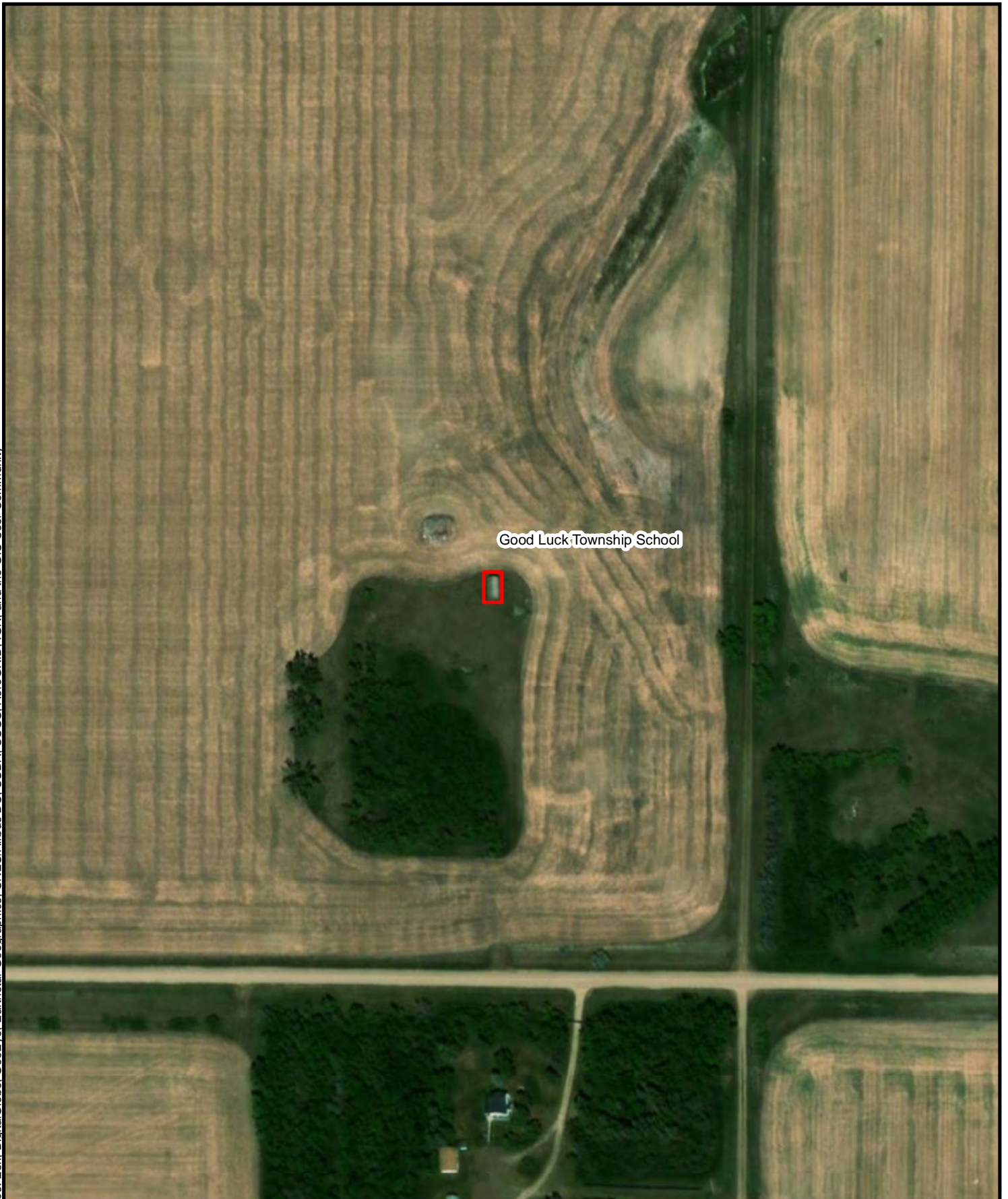



Figure 1-16
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



Good Luck Township School

 Possible Historic-Age Schoolhouse

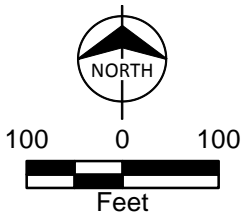
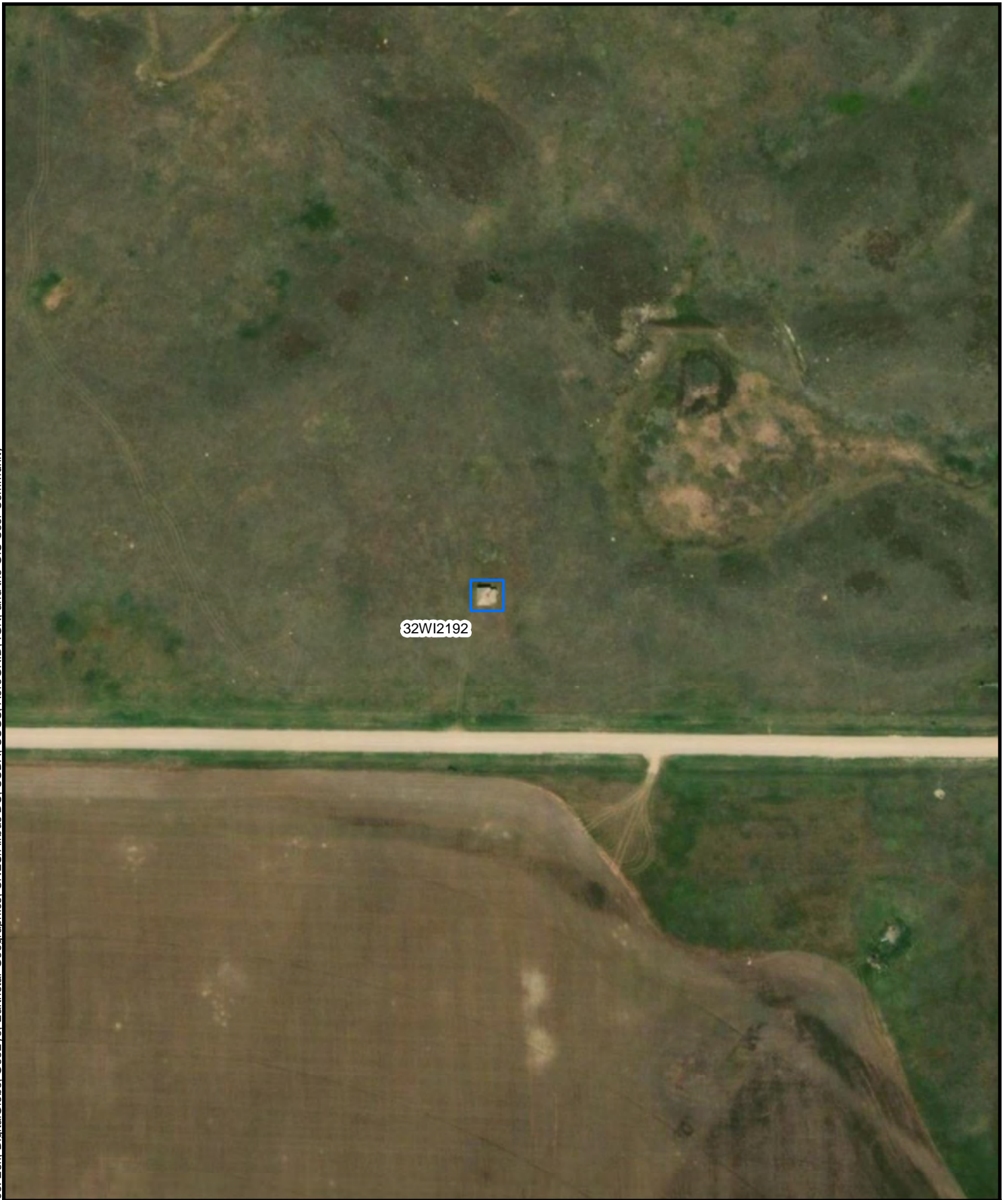



Figure 1-17
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



32WI2192

 Previously Identified
Historic-Age Schoolhouse

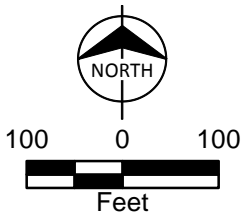
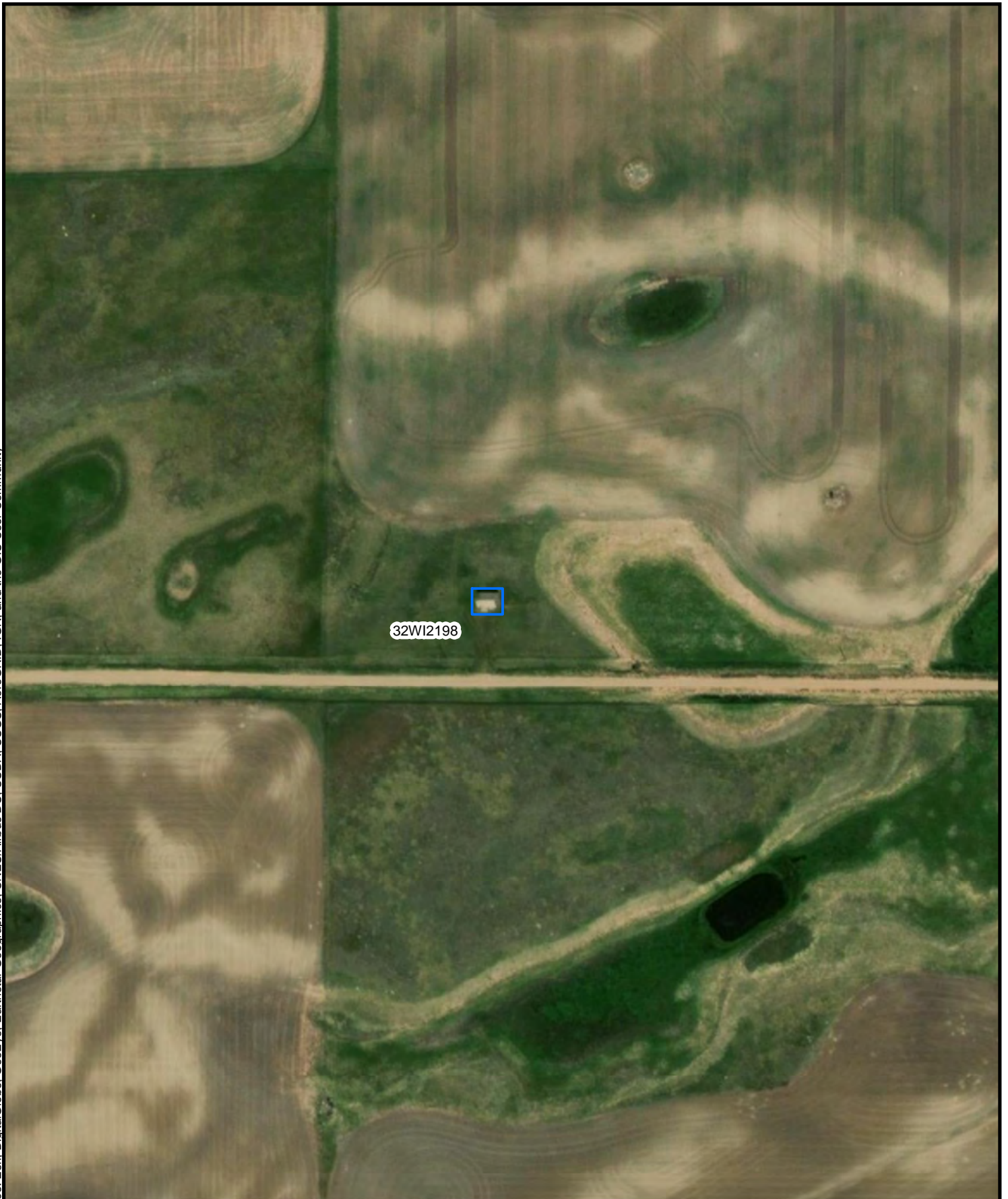



Figure 1-18
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

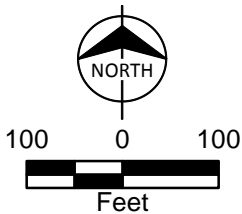
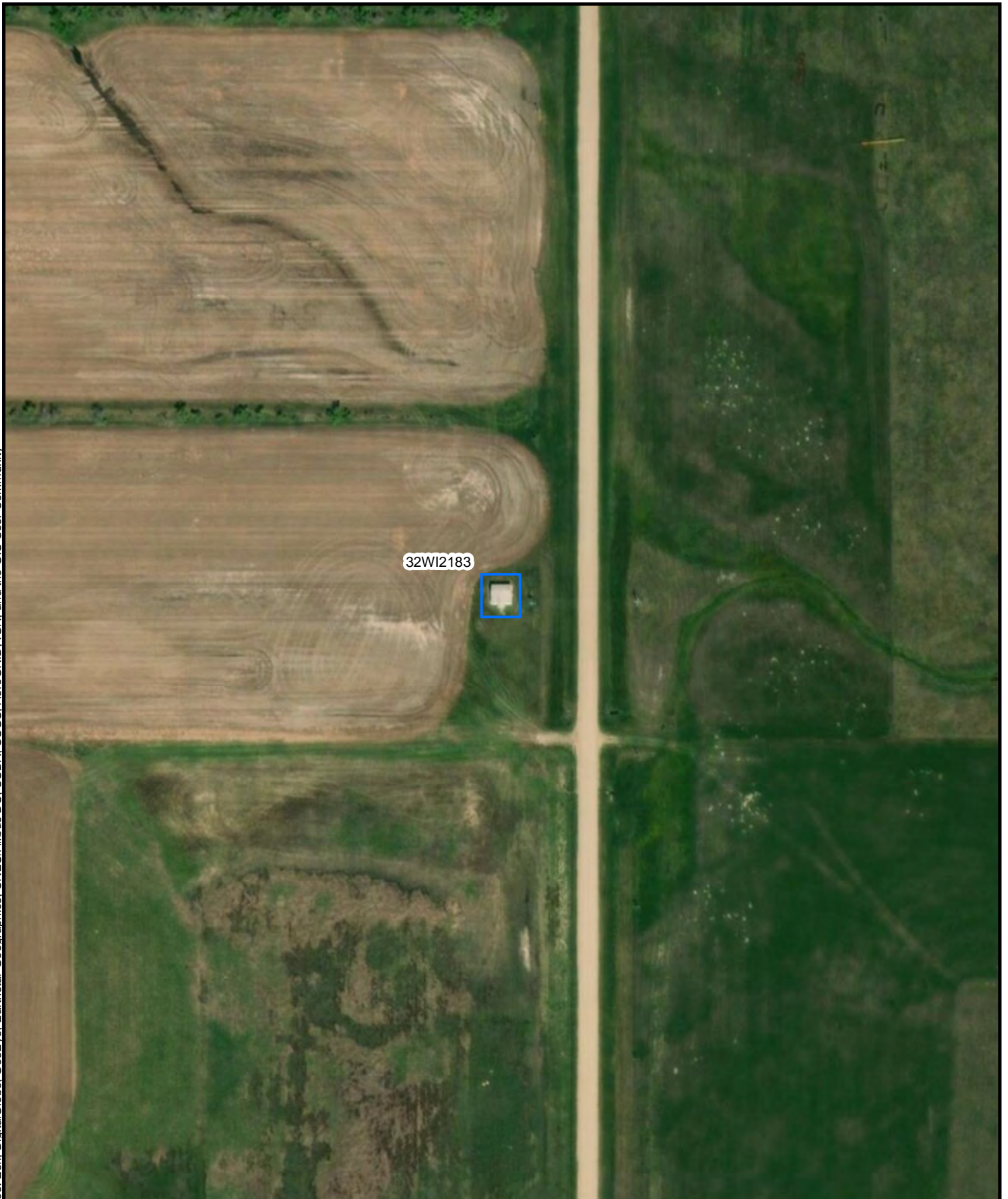



Figure 1-19
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

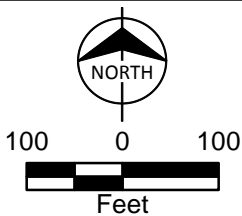
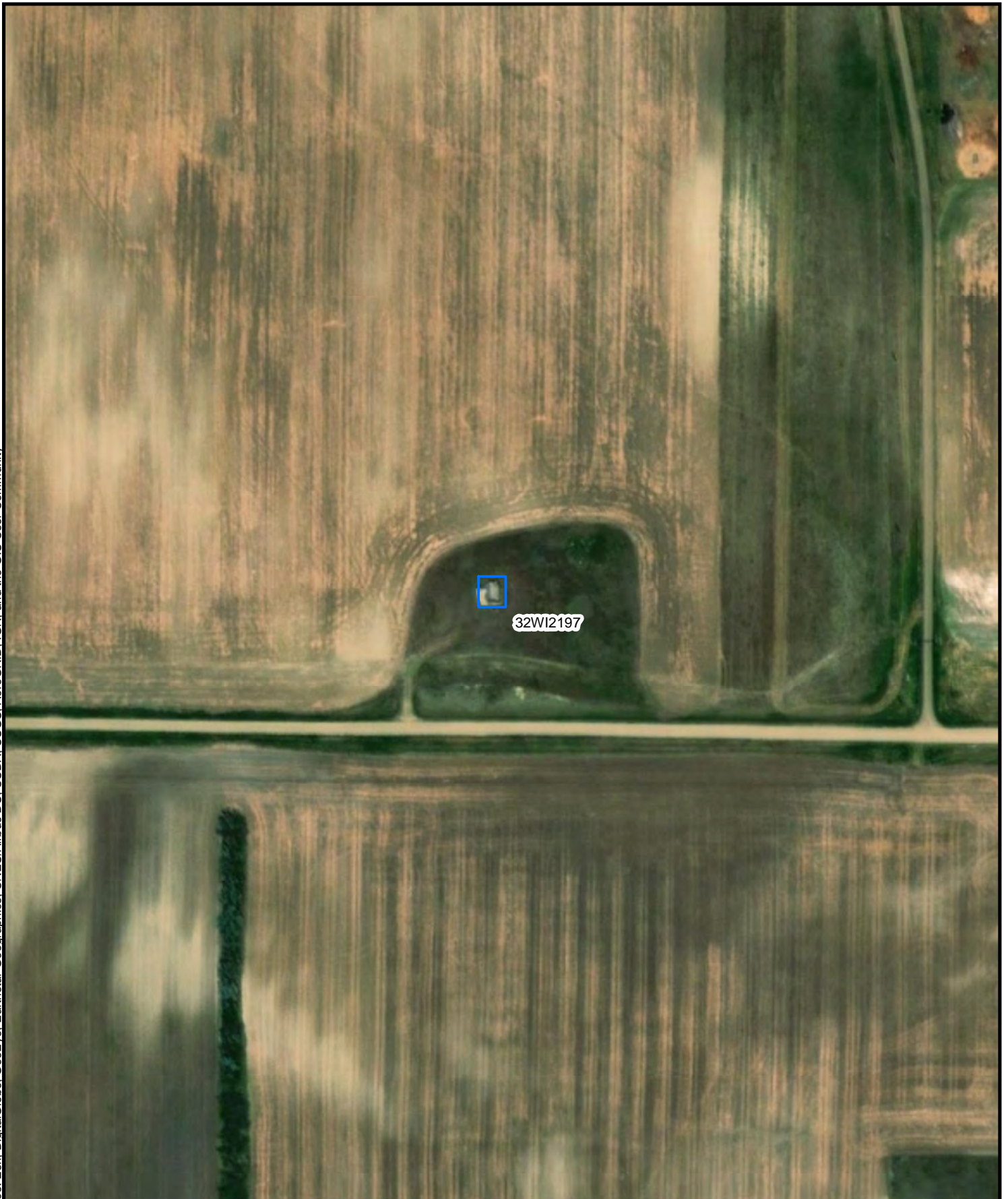



Figure 1-20
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

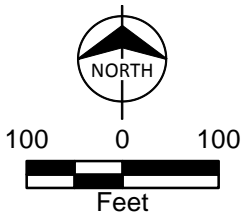
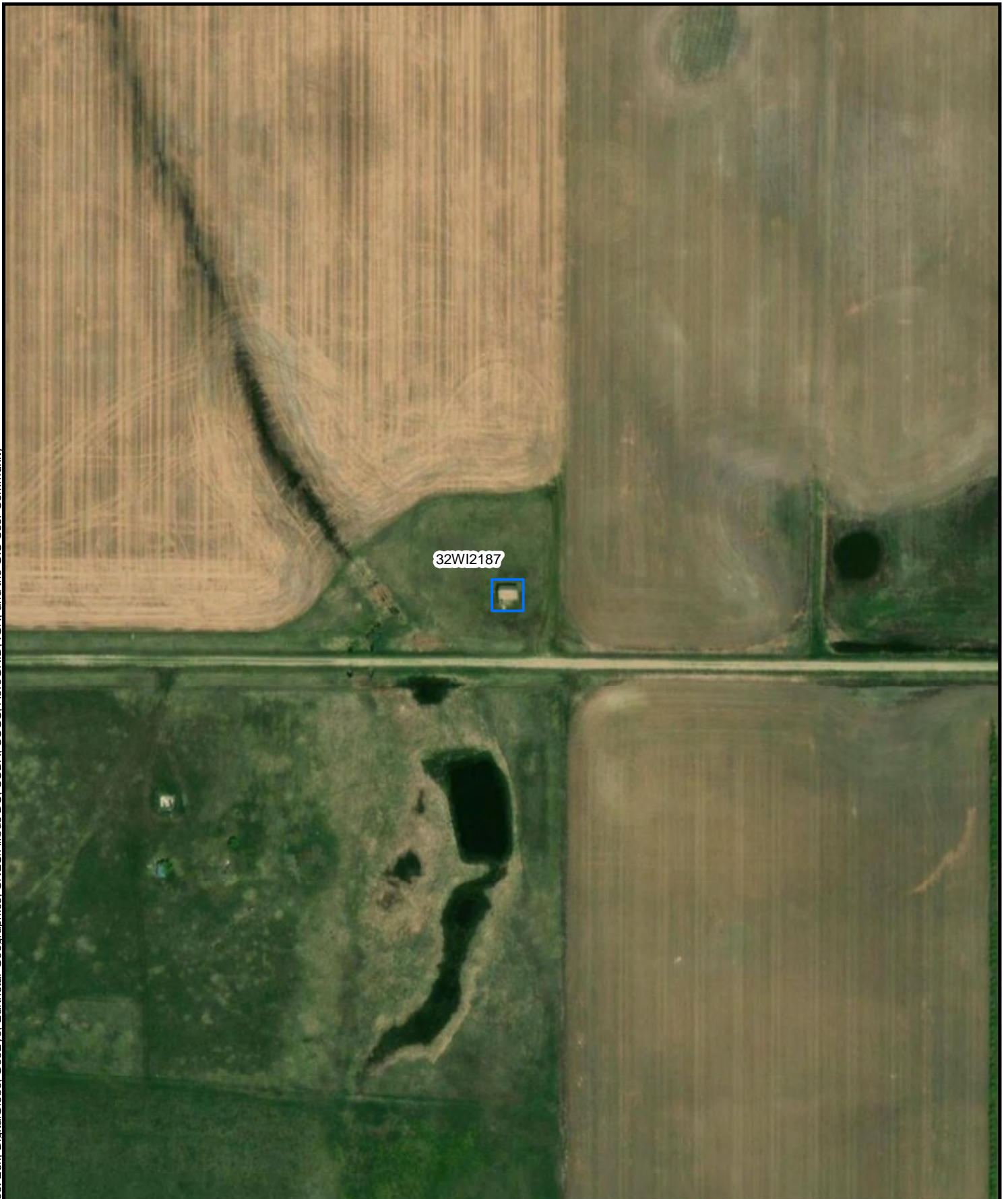



Figure 1-21
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

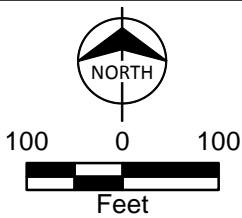



Figure 1-22
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Newly Identified Historic-Age Schoolhouse

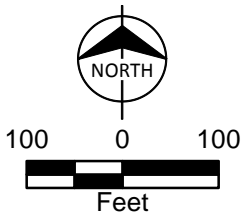
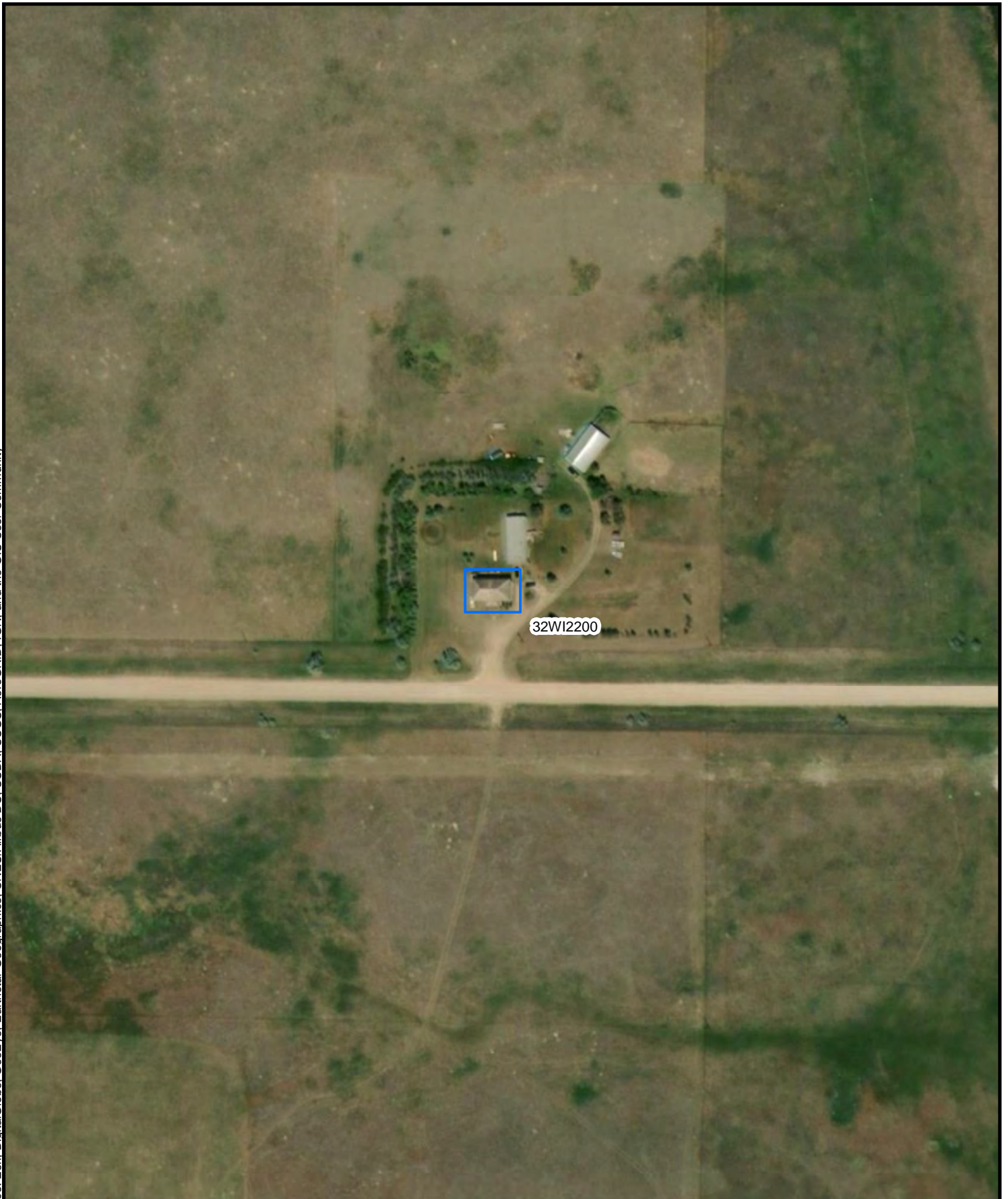



Figure 1-23
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

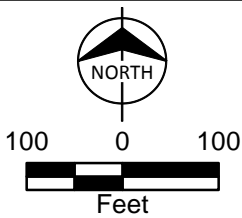
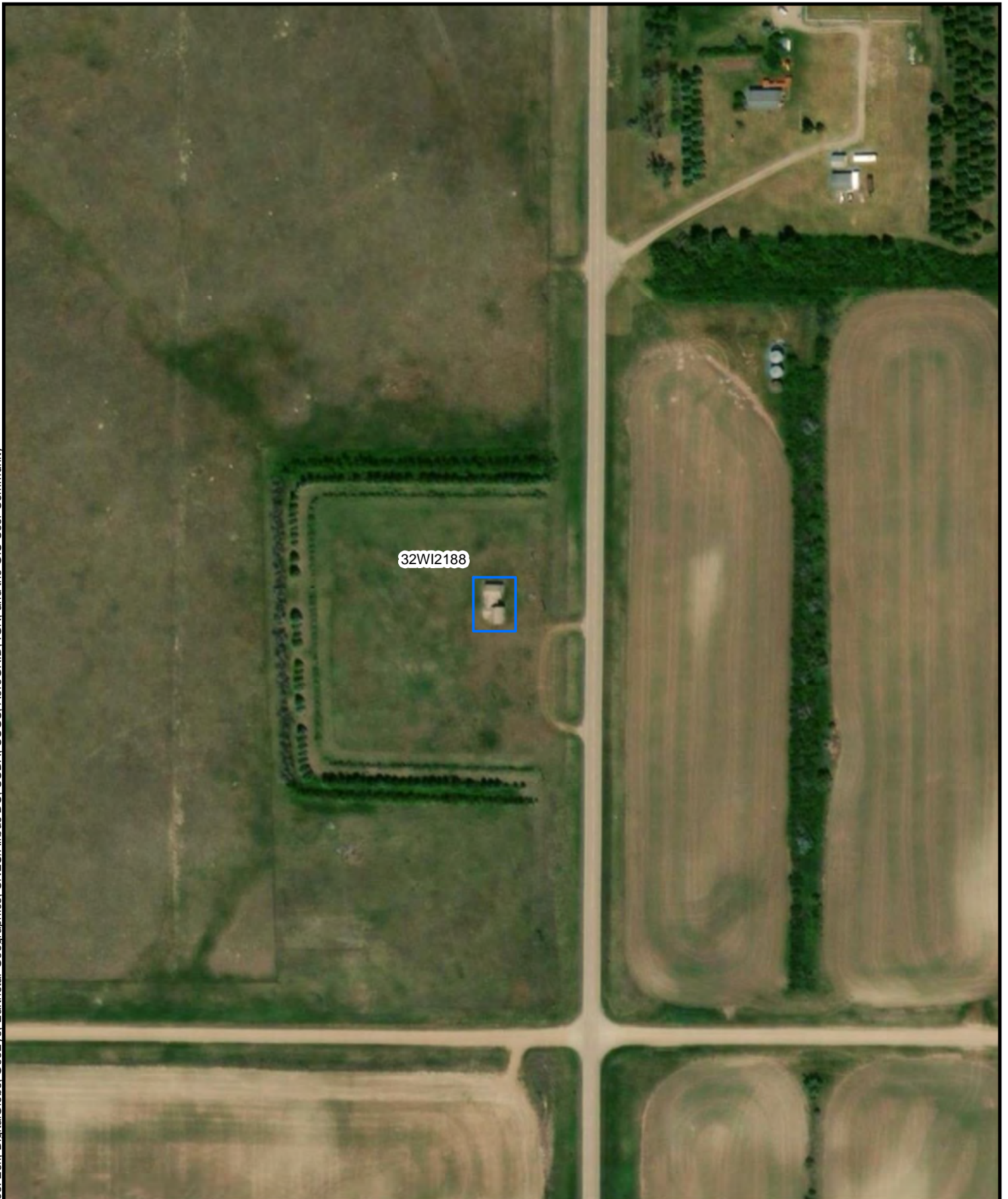



Figure 1-24
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



32W12188



 Previously Identified
Historic-Age Schoolhouse

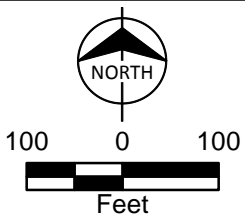
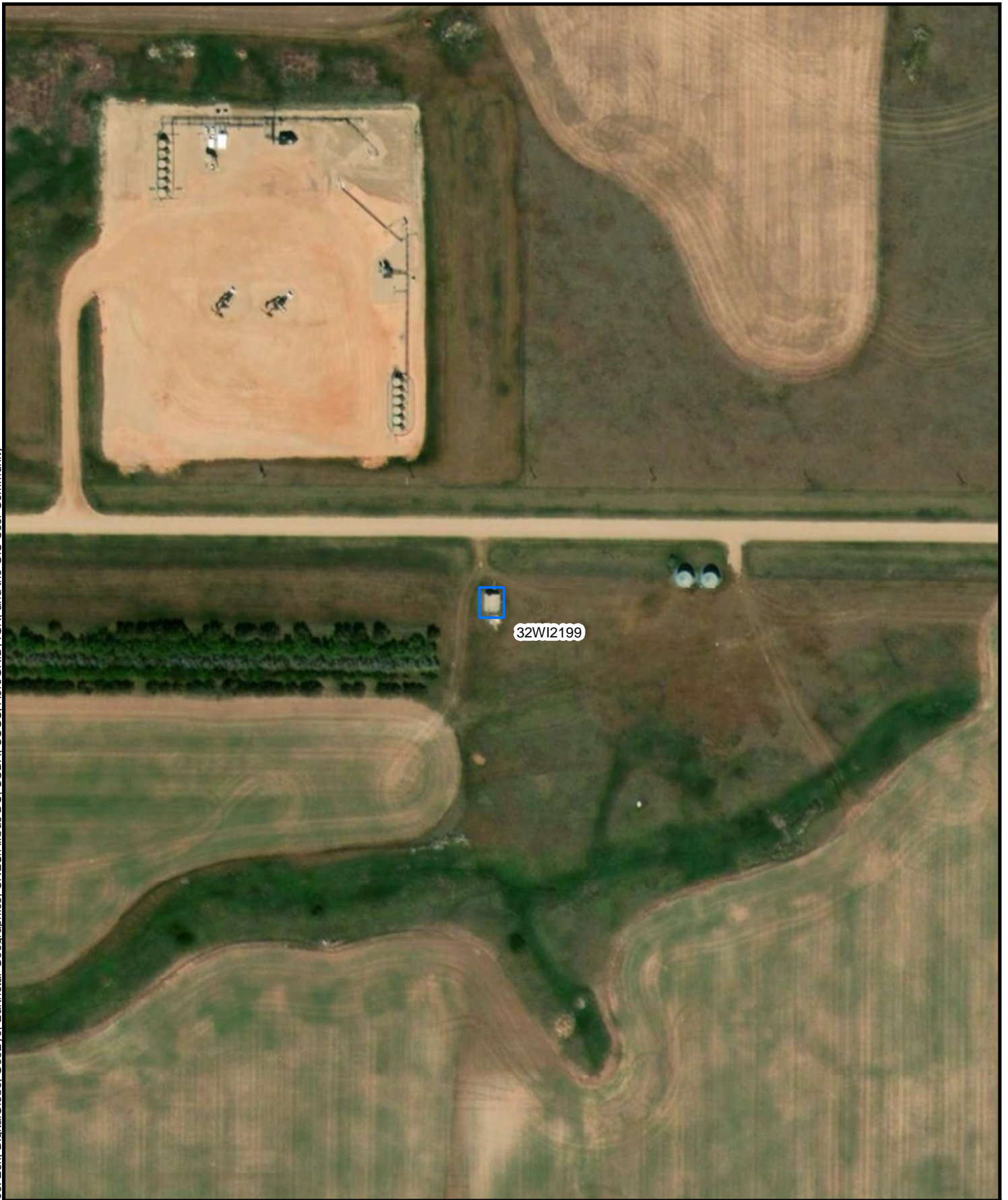



Figure 1-25
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

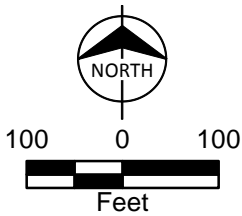
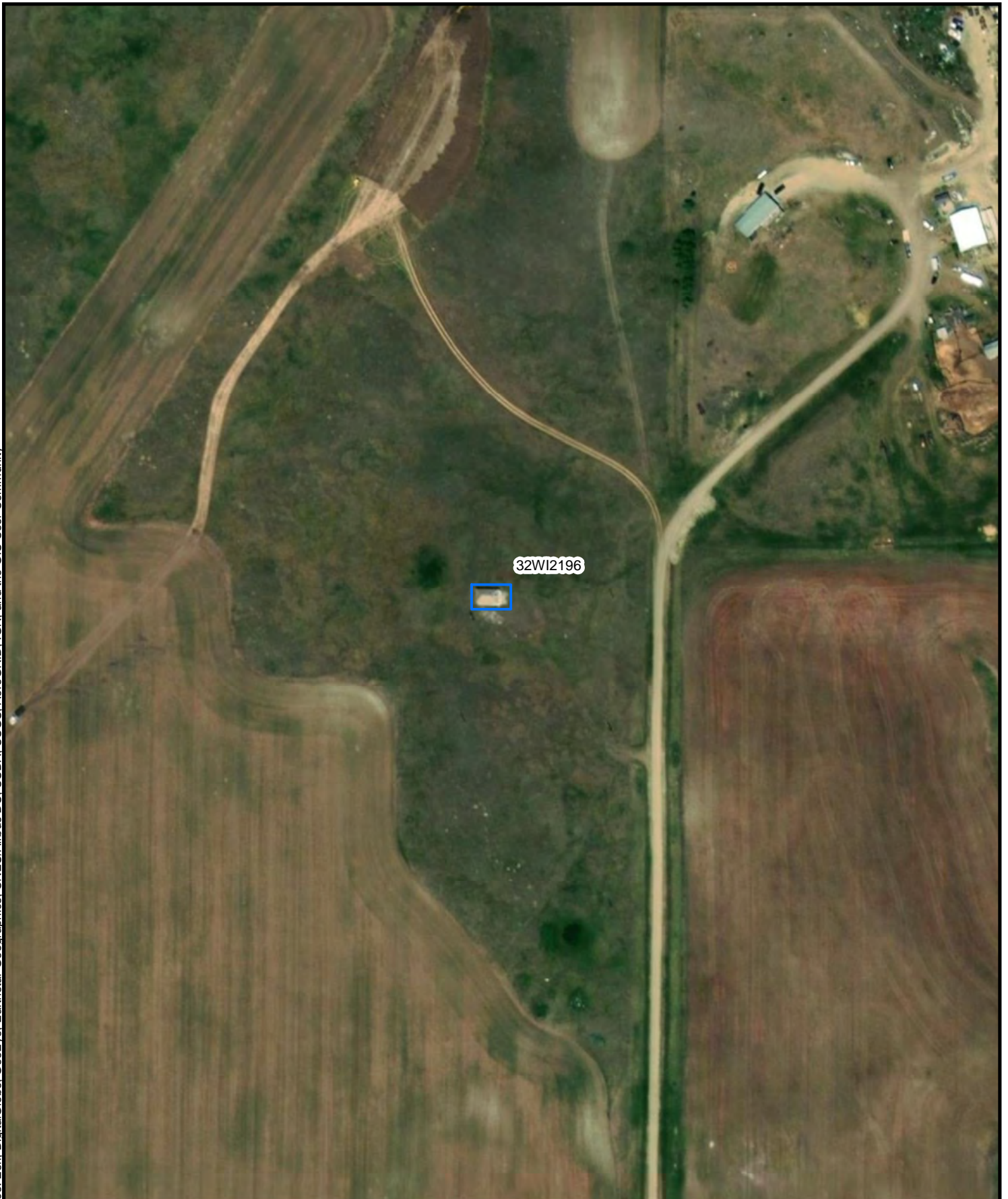



Figure 1-26
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

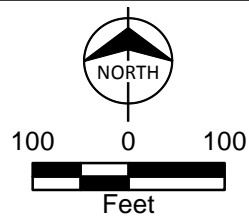

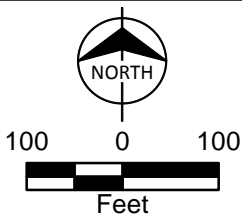


Figure 1-27
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



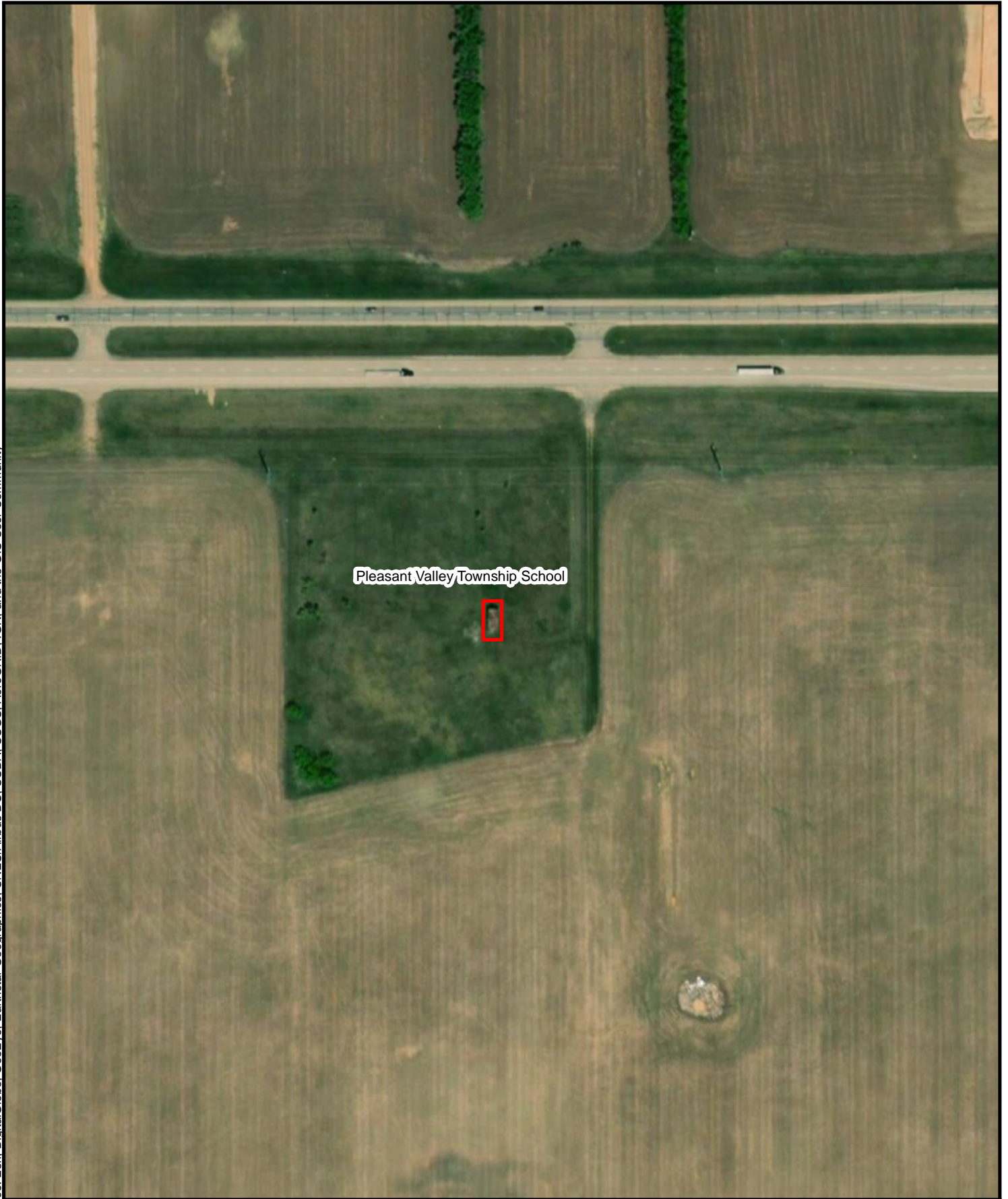
Wheelock Township School


 Possible Historic-Age Schoolhouse



 BURNS & McDONNELL

Figure 1-28
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Possible Historic-Age Schoolhouse

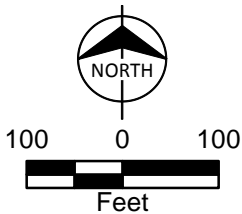
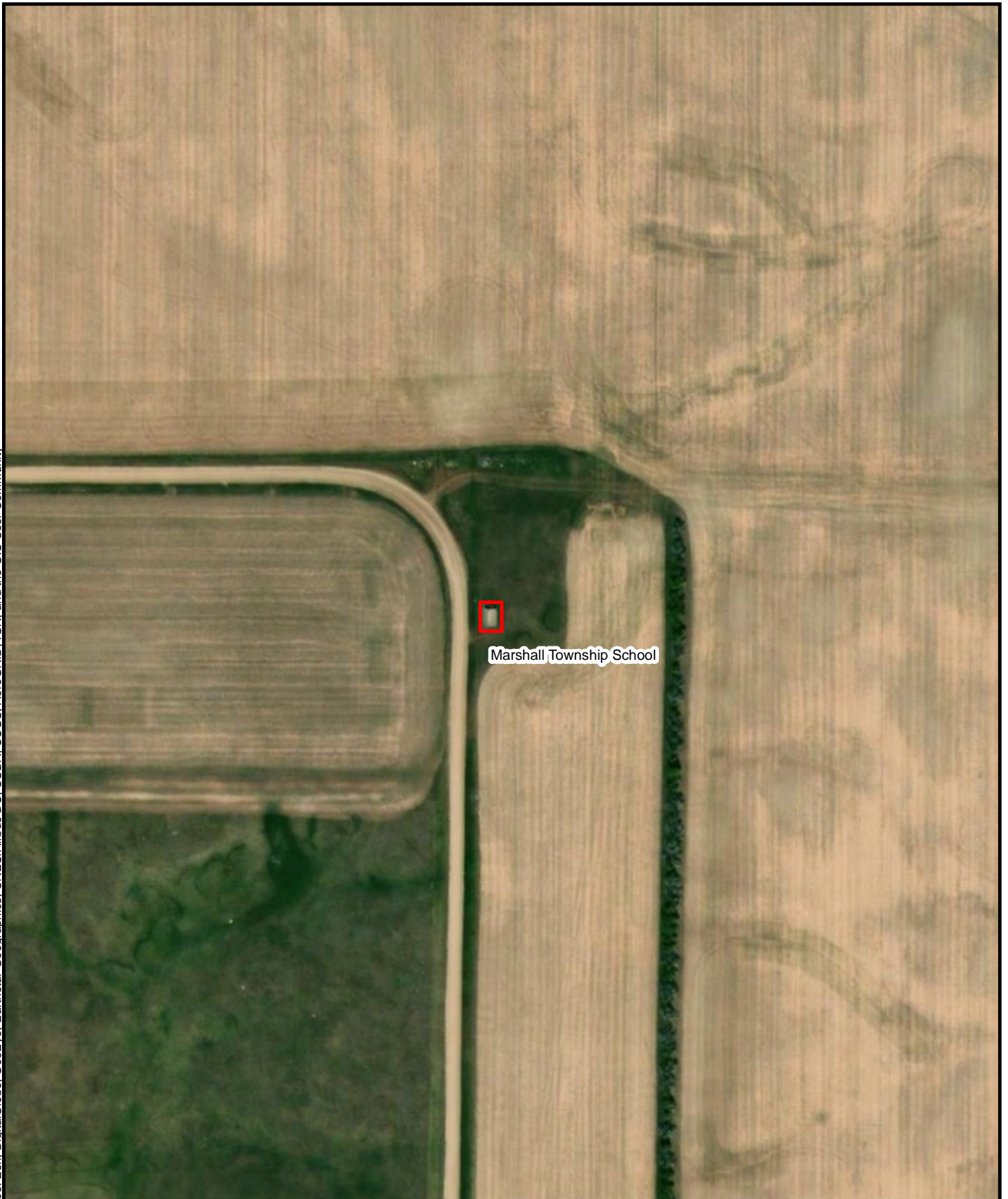



Figure 1-29
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Possible Historic-Age Schoolhouse

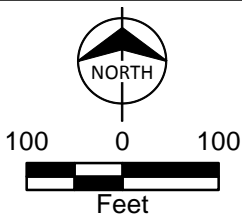
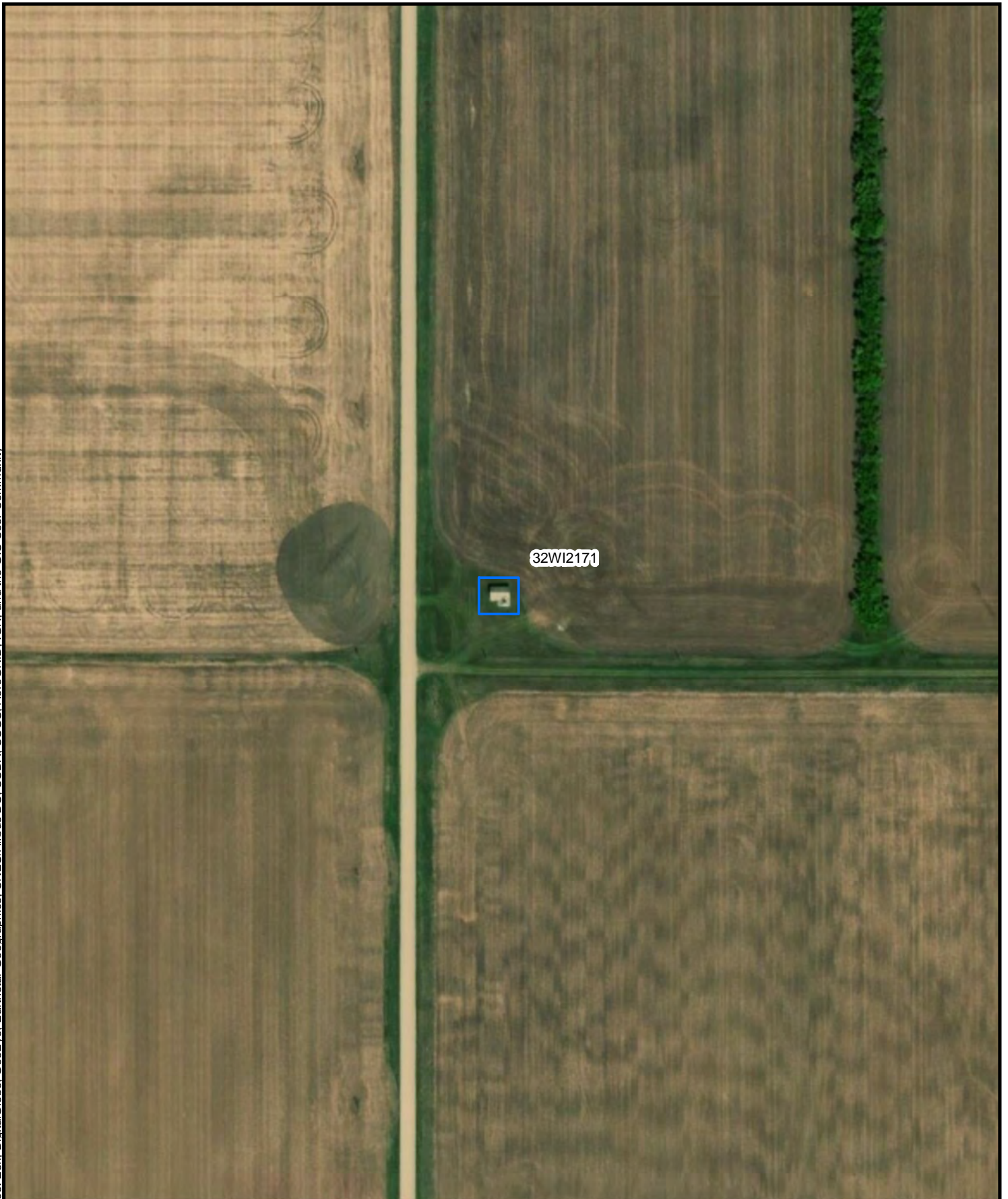



Figure 1-30
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

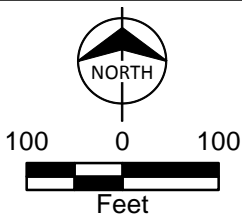



Figure 1-31
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

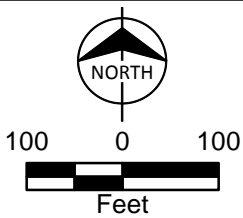
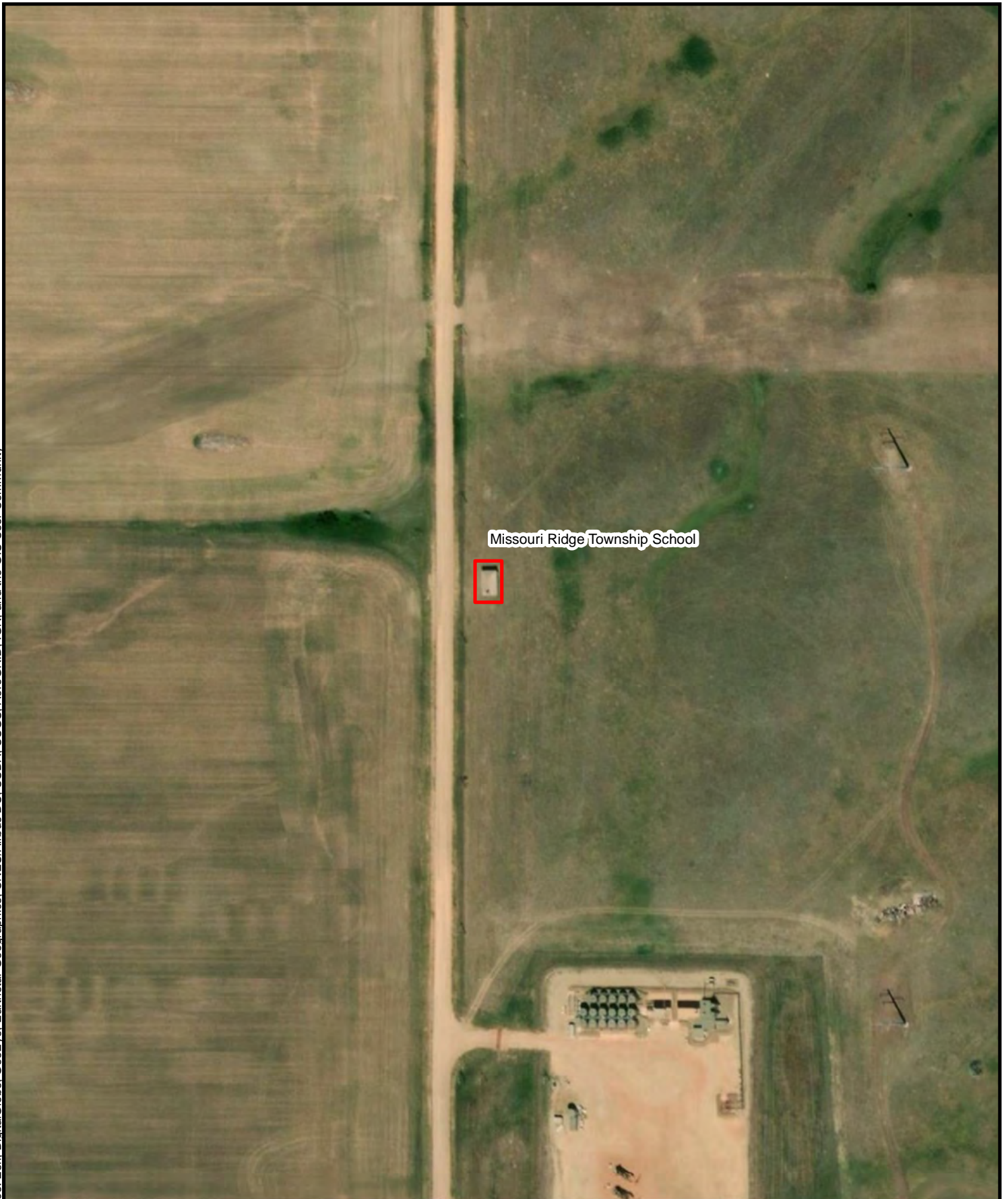



Figure 1-32
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



Missouri Ridge Township School

 Possible Historic-Age Schoolhouse

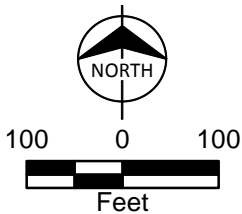
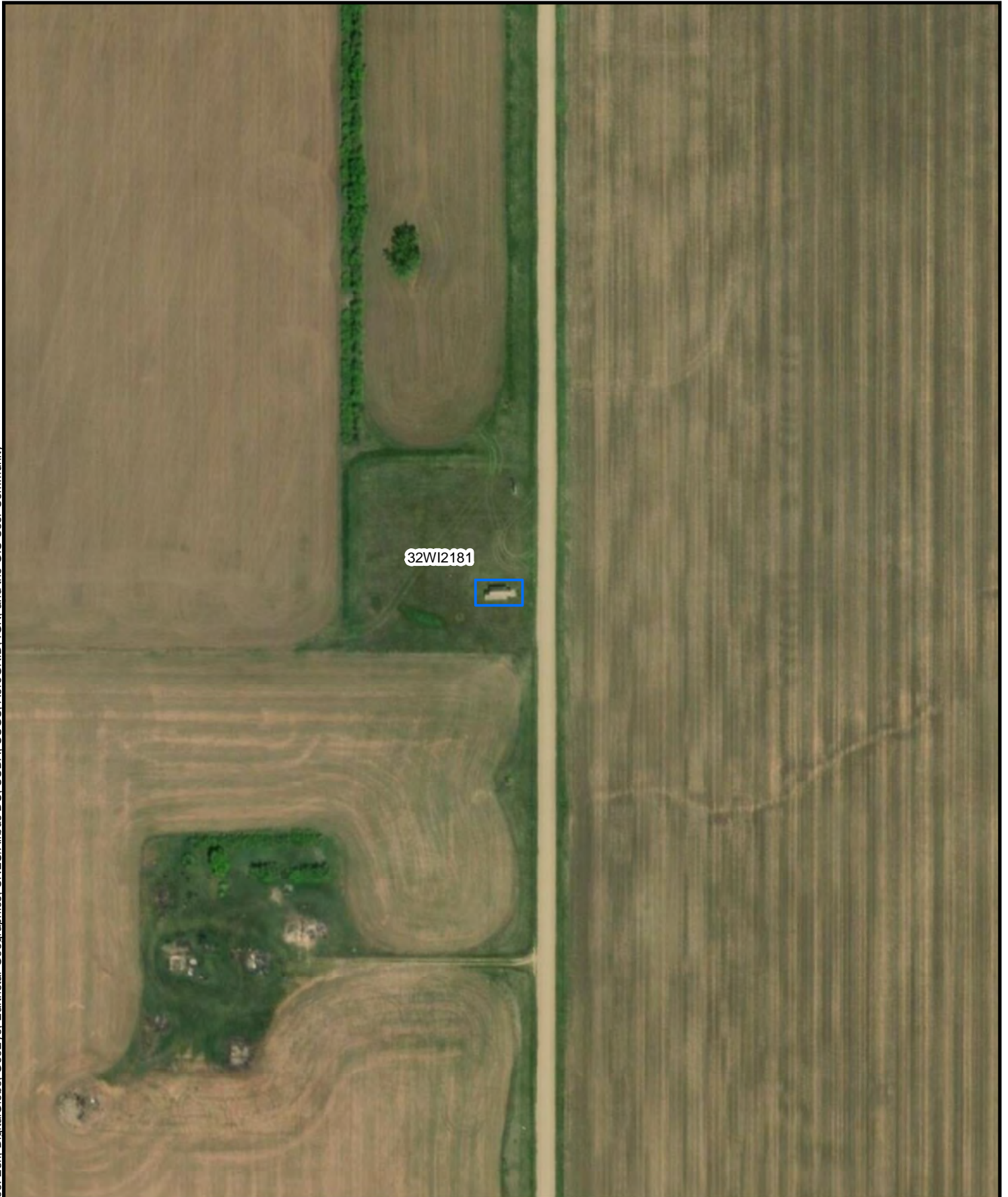



Figure 1-33
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



32W12181



 Previously Identified
Historic-Age Schoolhouse

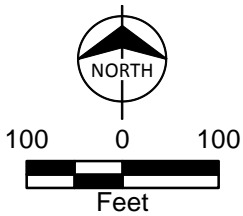
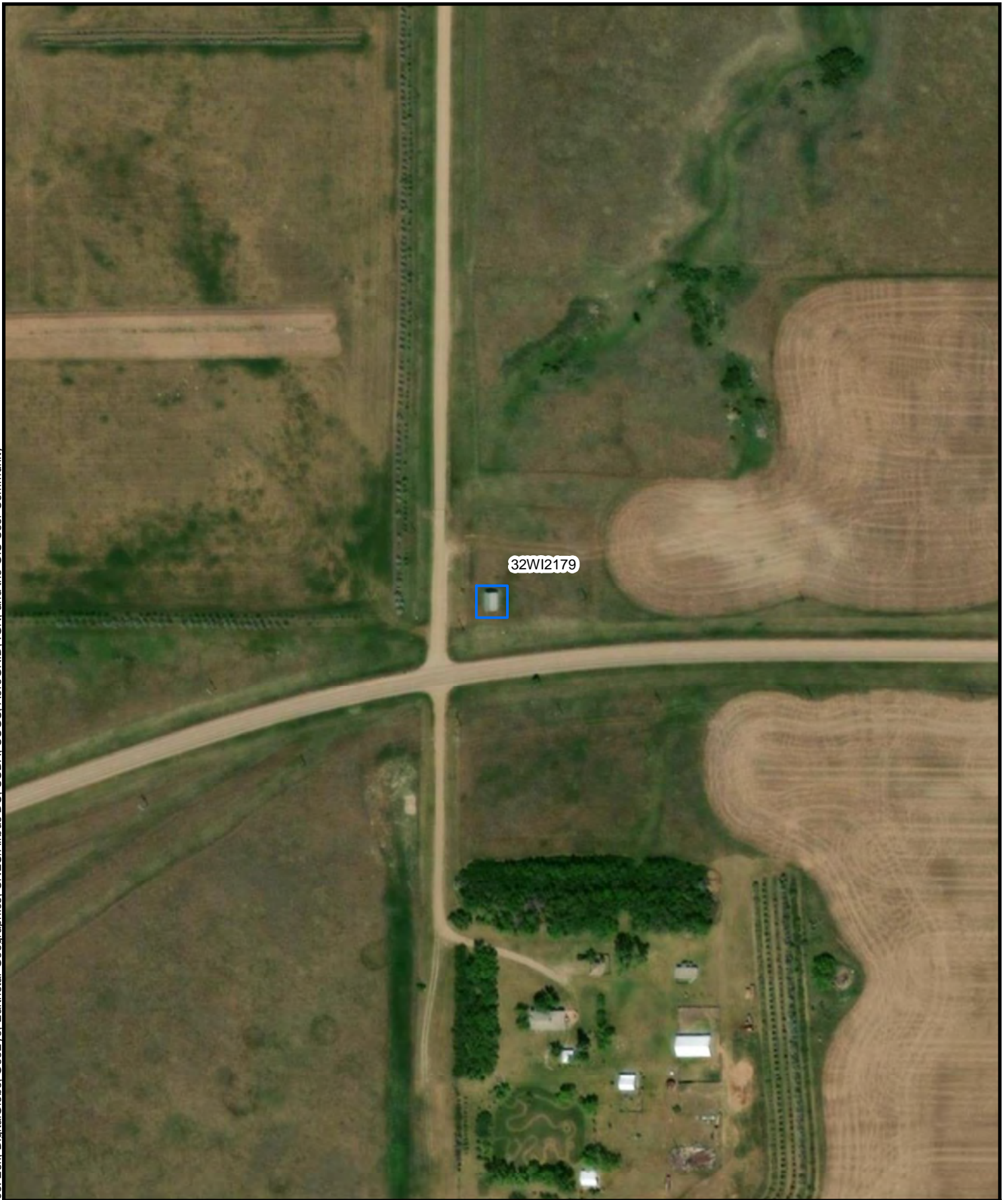



Figure 1-34
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

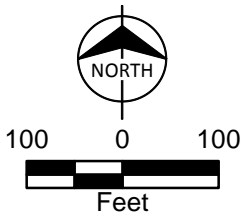
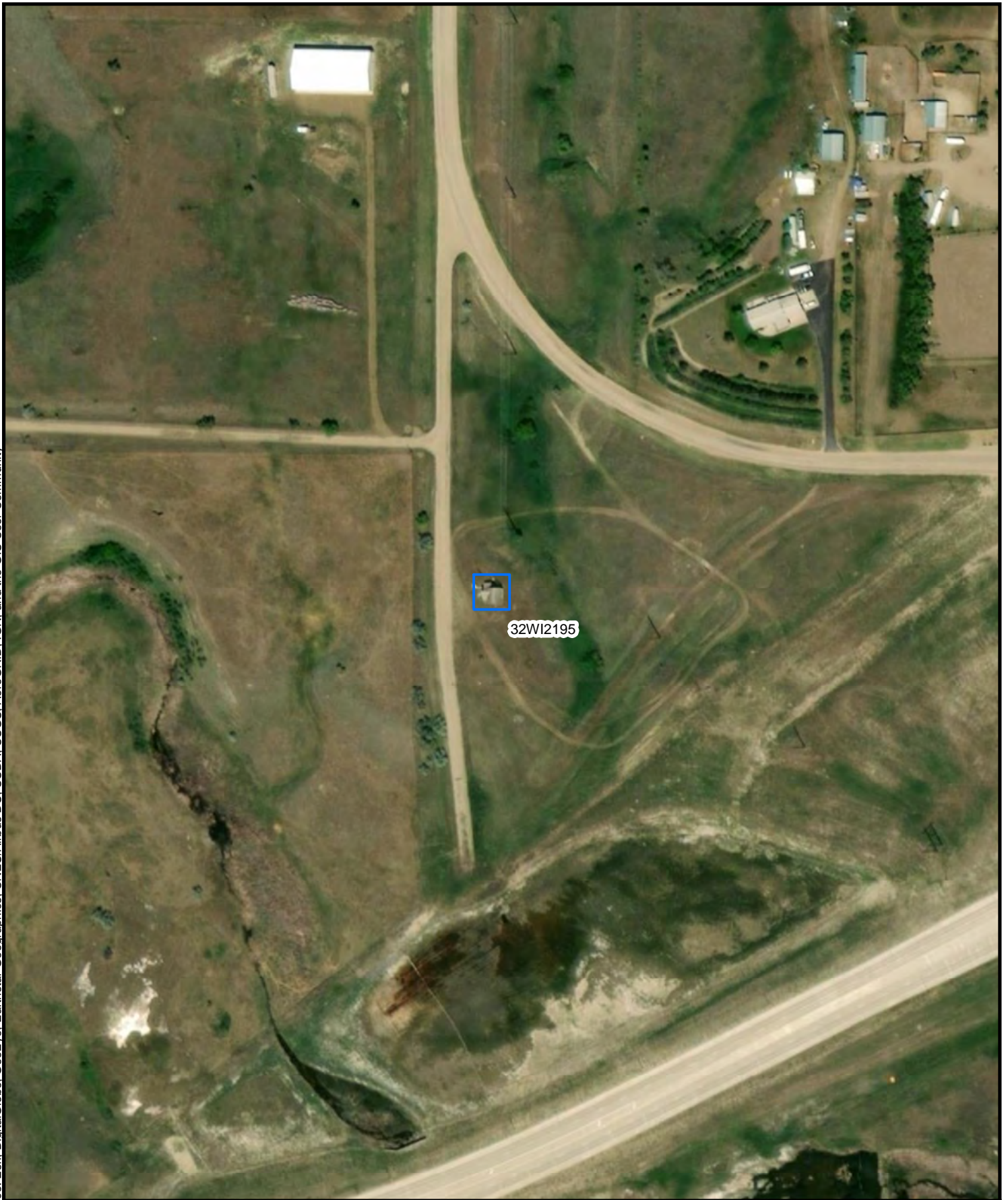



Figure 1-35
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

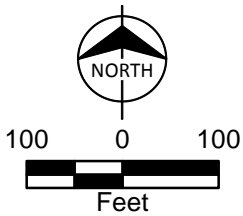
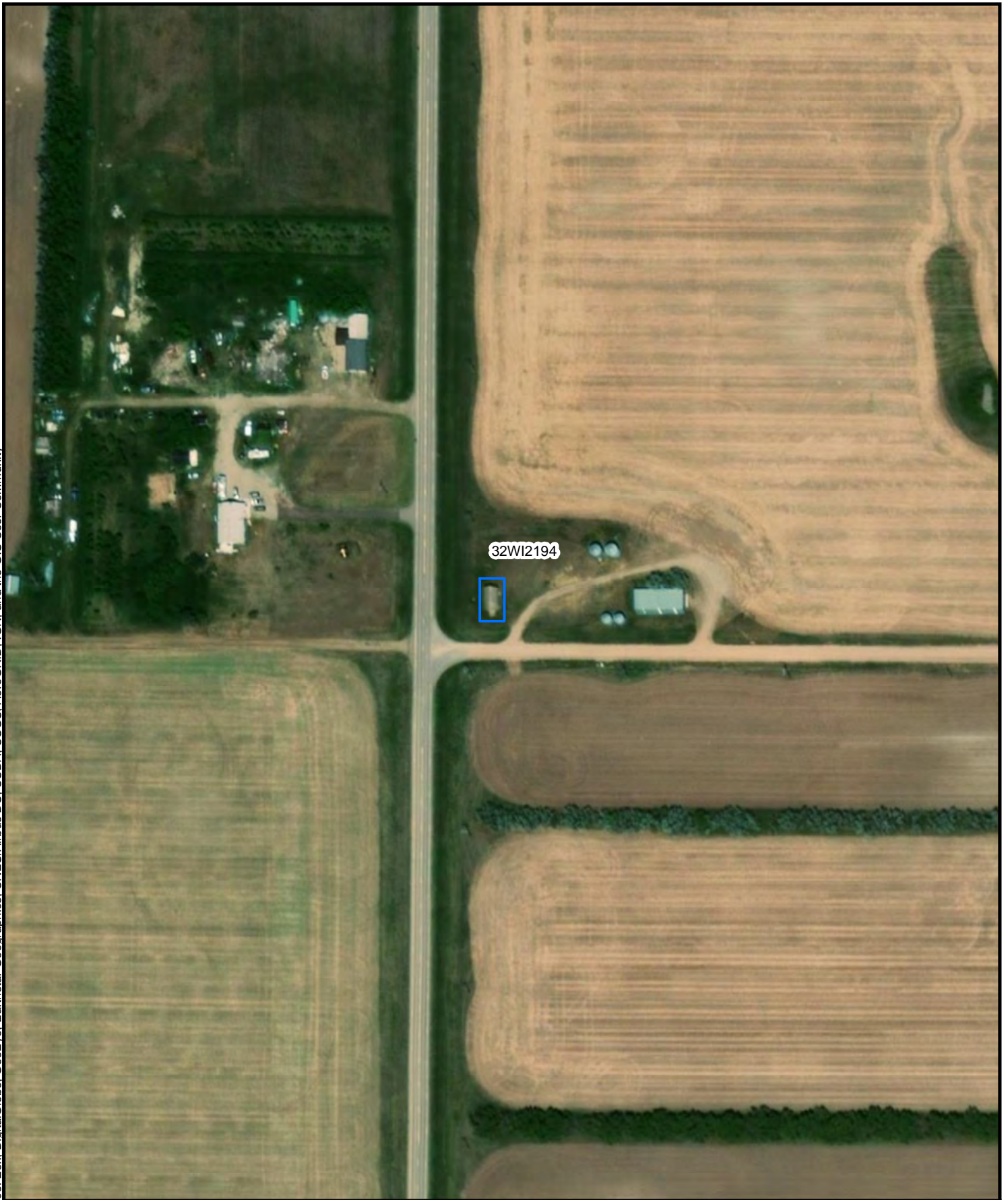



Figure 1-36
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

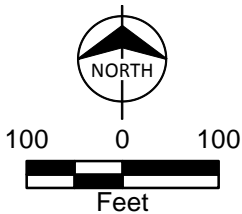
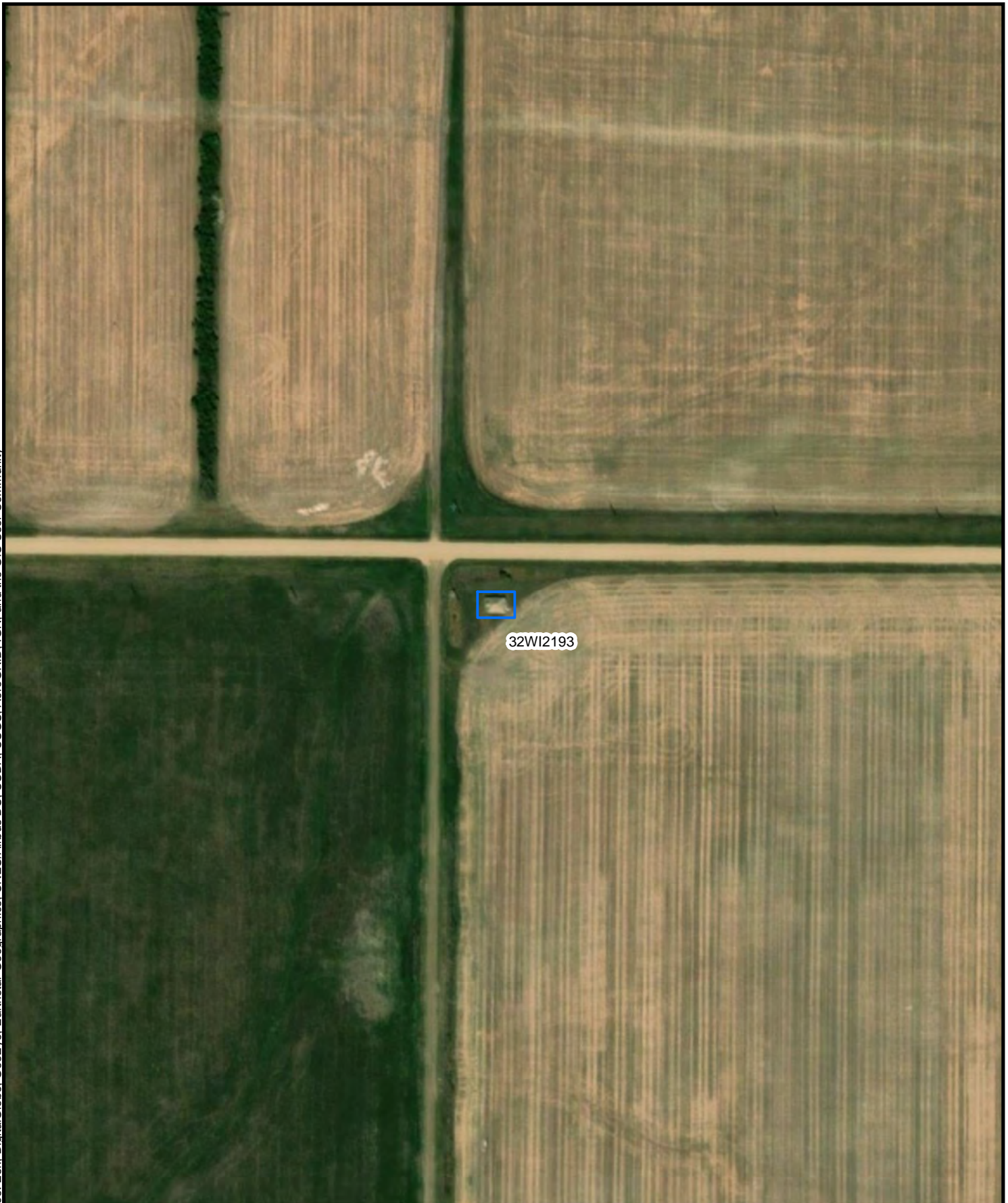



Figure 1-37
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Previously Identified
Historic-Age Schoolhouse

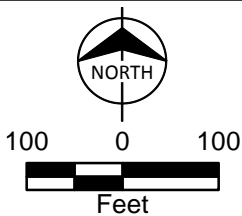
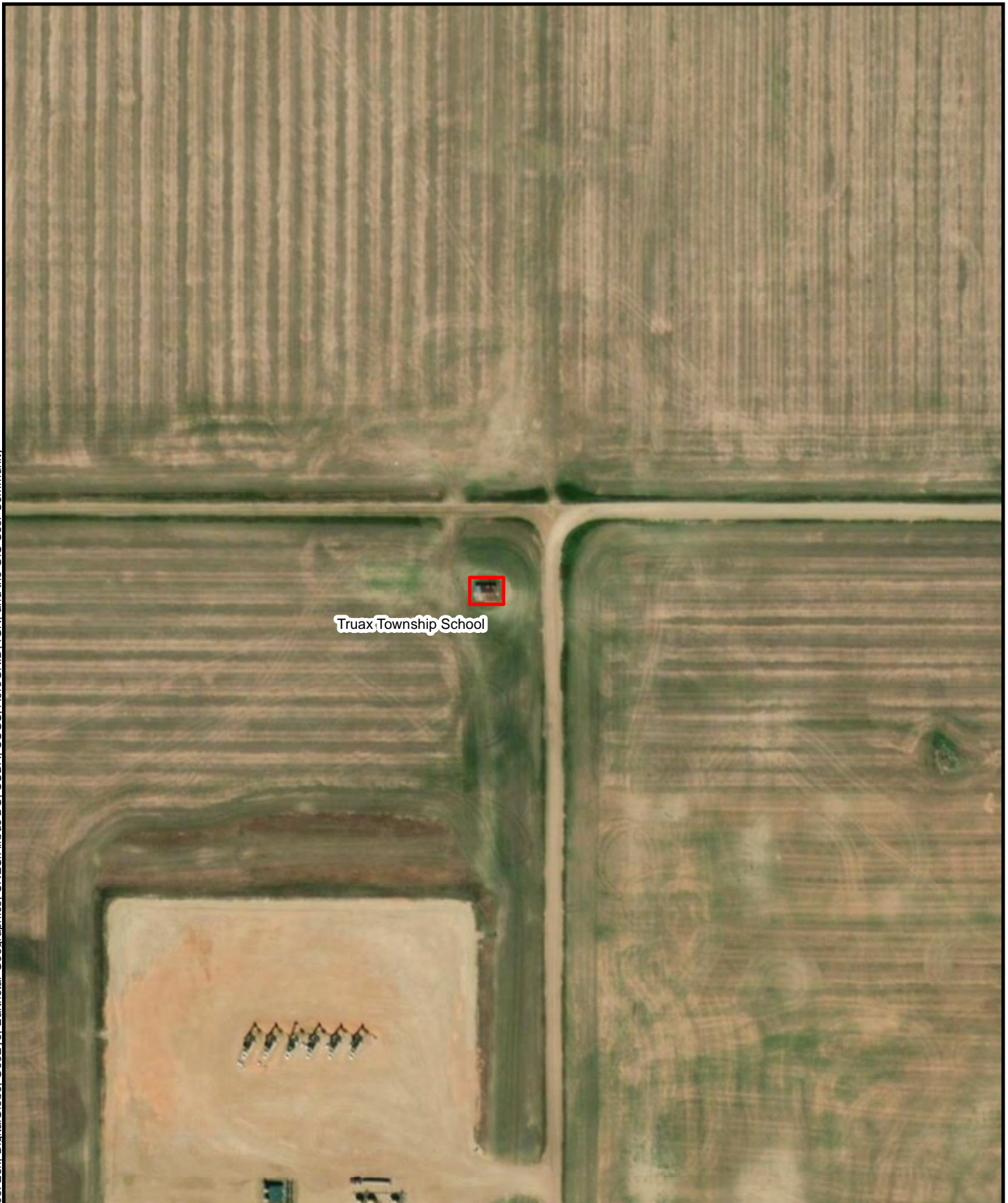



Figure 1-38
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



 Possible Historic-Age Schoolhouse

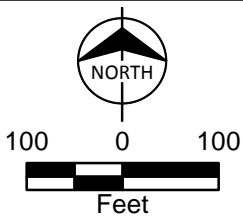
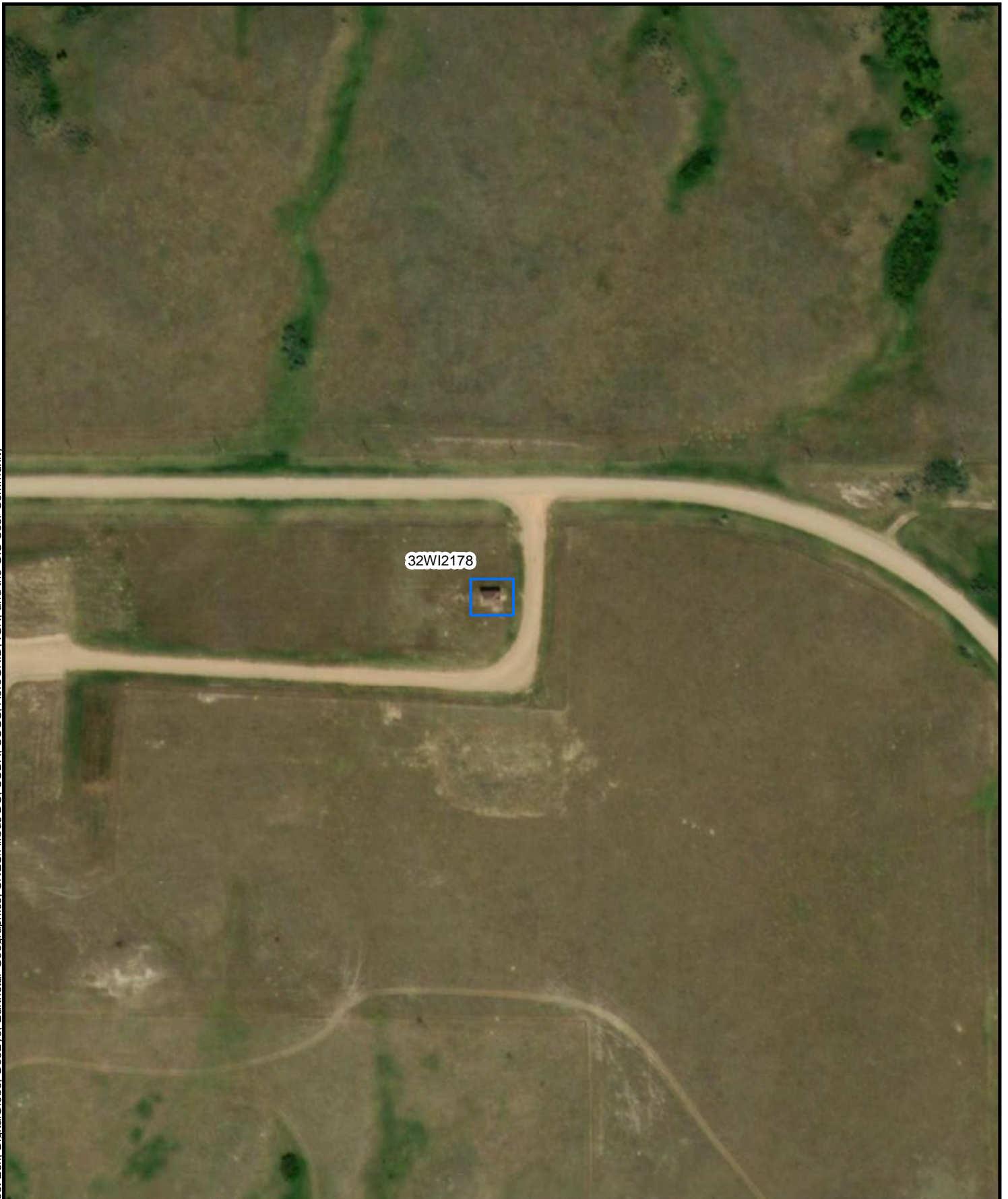



Figure 1-39
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND



32WI2178



 Previously Identified
Historic-Age Schoolhouse

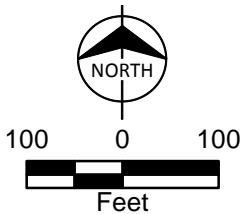


Figure 1-40
Historic-Age Schoolhouses
Aurora Wind Farm
Williams County, ND