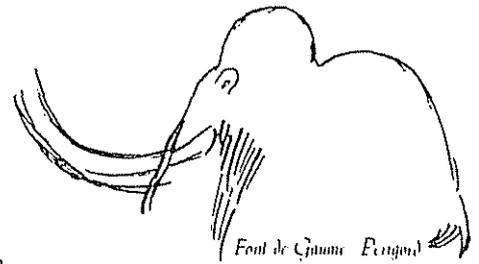


ARCHEOLOGY LABORATORY
AUGUSTANA COLLEGE

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Dr. L. ADRIEN HANNUS
Principal Archeologist / Director
adrien.hannus@augie.edu

March 25, 2008

Kurt Donelan
East River Electric Power Cooperative
P.O. Box 227
Madison, South Dakota 57042
Phone (605) 256-4536; Direct (605) 256-8018; FAX (605) 256-8058

RE: A Level III Cultural Resources Survey of East River Electric Power Cooperative's Keystone Transmission Line-Pumping Stations #20 and #21, Brown, Day and Beadle Counties, South Dakota.

Dear Mr. Donelan,

Please find enclosed an original and six copies of our report, *A Level III Cultural Resources Survey of East River Electric Power Cooperative's Keystone Transmission Line-Pumping Stations #20 and #21, Brown, Day and Beadle Counties, South Dakota*. If you know the South Dakota Review and Compliance Number, please attach it to the report. Please forward the copies of the report as needed. The copy with the original signature should be forwarded to Paige Hoskinson, State Historic Preservation Office. Her address is provided below. Also forward one copy to the State Archaeological Research Center (Jim Haug).

Site 39BN2003, an abandoned portion of the former Chicago and Northwestern Railroad, was recorded in the project area. Site 39BN150 was recorded just outside of the project area. Presuming that site 39BN2003 will not be impacted by the proposed construction, a determination of No Adverse Effect is recommended for the project. Clearance for the project has been recommended. Please note that final recommendations are issued by the South Dakota Historic Preservation Office (Paige Hoskinson).

The potential for isolated buried features, such as burials, hearths or pits, is considered low. However, should such features be observed during construction, the South Dakota Historic Preservation Office (Paige Hoskinson) should be notified immediately.

Thank you for the opportunity to work on this project. If you have any questions, please call.

Sincerely,


Edward J. Lueck
Staff Archeologist

Addresses:

Paige Hoskinson - ATTN: Section 106 Review and Compliance, South Dakota State Historical Society, Cultural Heritage Center, 900 Governors Drive, Pierre, SD 57501-2217; (605) 773-6004; FAX (605) 773-6041; paige.hoskinson@state.sd.us.

Jim Haug - State Archaeological Research Center, Box 1257, 2425 E. St. Charles Street, Rapid City, SD 57709-1257; FAX-605-394-1941

**A Level III Cultural Resources Survey of East River Electric Power
Cooperative's Keystone Transmission Line-Pumping Stations #20 and #21,
Brown, Day and Beadle Counties, South Dakota**

Lower James and Upper James Archeological Regions

SHPO No.:

Prepared by

Edward J. Lueck

March 25, 2008



(Principal Investigator)

Archeology Laboratory
Augustana College
2032 S. Grange Ave.
Sioux Falls, SD 57105

Submitted to

East River Electric Power Cooperative, Inc.
P.O. Box 227
121 SE 1st St.
Madison, SD 57042

Abstract

A reconnaissance/intensive cultural resources survey was conducted in the Lower and Upper James archeological regions for East River Electric Power Cooperative, Inc. An overhead powerline will be constructed to deliver electricity to two pumping stations associated with the Keystone pipeline project. The proposed project corridor involves a 30-foot-wide right-of-way. The corridor in Brown and Day counties is 12.8 miles long. The Beadle County portion consists of a 6.54-mile-long corridor and a 5-acre tract. Approximately 13.65 miles of the corridor were examined by pedestrian survey. Another 5.5 miles are in public easements and were examined from a vehicle. The remaining 0.19-mile was examined from the road; it is on private land with no easement. A background records check revealed one previously recorded site, 39BN2003, a reclaimed portion of the former Chicago and Northwestern Railroad, in the project area. Two surveys have been previously conducted within portions of the project area. The project will not impact any standing structures. Augustana College Archeology Laboratory personnel conducted the field survey on March 10, 2008. Site 39BN150 was recorded outside of the project area. The proposed project will not impact previously recorded site 39BN2003. A determination of No Adverse Effect is recommended for the project. Cultural resources clearance is recommended for the proposed project.

1. A reconnaissance/intensive cultural resources survey was conducted in the Lower James and Upper James study units.

One site, the Chicago and Northwestern Railroad (39BN2003), which is eligible for the National Register of Historic Places, was located in the project area. The proposed power line will be strung over the site. A determination of No Adverse Effect is recommended for the following reason: no National Register eligible resources will be disturbed.

A total of ca. 54.6 acres was surveyed consisting of ca. 13.65 miles of 30-foot-wide corridor on private easement and a 5-acre tract at the north end of Pumping Station (PS) 21. Approximately 5.5 miles of public easement were examined for potential but were not included in the survey total; another 0.19 mile of private easement is excluded.

Location: Beadle, Brown and Day counties, South Dakota

Legal Location of Area Surveyed:

Sections 3 and 4, T112N, R59W; Sections 3, 4, 10, 15, 16, 22, 27 and 34, T113N, R59W; and Sections 17 and 18, T121N, R59W; Sections 5, 8, 13, 14, 15, 16 and 17, T121N, R60W; and Sections 18, 19, 20, 29, and 32, T122N, R60W.

USGS 7.5-minute quadrangles: Andover SW (1958), Carpenter (1973), Ferney (1954), Groton (1975), and Staum Dam (1973).

- 2. Project Description:** The right-of-way for the proposed transmission line in Brown and Day counties (PS20-1) runs from the Western Area Power Administration (WAPA) substation located in Section 18, T122N, R60W, south of Groton, to a new 115 to 4.16kV substation in Section 17, T121N, R59W. The right-of-way for the proposed transmission line in Beadle County (PS21-1) runs from a proposed Western Area Power Administration (WAPA) substation that will be located in Section 16, T113N, R59W, south of Carpenter, to a new 115 to 4.16kV substation in Section 4, T112N, R59W, and to an existing 69 kV transmission line in Section 3, T112N, R59W. The new lines will follow existing roads and will be installed two feet within private

property along the entire route where private easements can be obtained. Where private easements cannot be obtained, the line route will be adjusted and the line will be placed two feet within the public right-of-way of the adjacent road. This is approximately 31 feet from the center of the road. The proposed project involves the installation of overhead transmission conductors on single wood pole structures, with approximately 17 to 20 structures per mile.

Construction will avoid any sites that are found by either placing the pole in the ditch (public ROW), or adjusting the pole locations to span over the top of the area. The same usually pertains to wetland or low areas. Wetlands will be avoided if possible.

Highway Diggers and Bucket Trucks will be used to install the line. A Highway Digger is used to drill a 30-inch-wide, 8-12-foot-deep hole in the ground. Buckets Trucks are used to string the conductor on the poles. These trucks are large with double axles on the rear. The preference is to span over low areas. Span lengths are 240 feet to 300 feet. If poles are placed in a wet area, pea rock is used to secure the pole in the ground.

A 30-foot-wide corridor was walked along the proposed transmission line routes where private easements had been obtained. The public easements were examined for cultural resources from a vehicle. No short-term or long-term effects are anticipated.

- 3. Environment/Setting:** The project is situated on lowlands and uplands in the James River drainage. Native vegetation consists of mixed grasses, with forbs in marshes and along intermittent streams. The soils in the lowlands at the north end of the project are primarily formed in lacustrine sediments in the former bed of glacial Lake Dakota (see Schultz 1993). Glacial till is the main

type of parent material on the glacial uplands in the rest of the project areas in Brown, Day and Beadle counties.

The area in Brown County is shown as being in the Harmony-Aberdeen-Nahon, Ludden-Ryan, Kranzburg-Brookings and Forman-Aastad-Cavour soil associations (see Schultz 1993). The Harmony-Aberdeen-Nahon association has level and nearly level silty soils on glacial lake plains. The Ludden-Ryan association has poorly drained silty soils on floodplains. The Kranzburg-Brookings association has level to moderately sloping silty soils on till plains and moraines. The Forman-Aastad-Cavour association has level to gently rolling, loamy soils on till plains and moraines.

The following soils are mapped in the project area in Brown County: Aberdeen-Nahon silty clay loams (Ab); Barnes-Buse-Svea loams (1-9 percent slopes) (BbC); Barnes-Cavour loams (0-3 percent slopes) (BcA); Barnes-Kranzburg-Buse complex (5-9 percent slopes) (BgC); Barnes-Svea loams (1-6 percent slopes) (BhB); Bearden silt loam (Bo); Cavour-Cresbard loams (Cd); Cavour-Ferney complex (Cf); Cresbard-Cavour loams (Cv); Exline-Aberdeen-Nahon silt loams (Ex); Exline-Putney silt loams (1-4 percent slopes) (EyA); Ferney-Heil complex (Fe); Forman-Aastad loams (0-6 percent slopes) (FsA, FsB); Forman-Buse-Aastad loams (2-9 percent slopes) (FtC); Great Bend-Zell silt loams (4-9 percent slopes) (GyC); Great Bend-Zell-Huffton silt loams (4-9 percent slopes) (GzC); Harmony-Aberdeen silty clay loams (Hn); Kranzburg-Brookings silt loams (0-2 percent slopes) (KkA); Kranzburg-Brookings-Buse complex (1-6 percent slopes) (KrB); Nahon-Aberdeen-Exline silt loams (Na); Peever clay loam (0-2 percent slopes) (PeA); Peever-Buse clay loams (1-4 percent slopes) (PfB); Playmoor-Lamoure silty clay loams, channeled (Pr); Ranslo silty clay loam (Ra); Ranslo-Harriet loams (Rc); and Ryan-Ludden complex (Ry).

The area in Day County (see Bachman 1997) is shown as being in the Forman-Aastad-Cavour Soil Association. These are level to steep, loamy and silty soils on till plains and moraines. The following soils are mapped in the project area in Day County: Cavour-Ferney loams (Ca); Cresbard-Cavour loams (Cr); Forman-Aastad loams (0-6 percent slopes) (FmA, FmB); Harriet loam (Hr); and Tonka silt loam (To).

The Beadle County project area (see Heil 1979) is shown as being in the Beadle Soil Association, with somewhat poorly drained to excessively drained soils formed mainly in glacial till and glacial drift. The following soils are mapped in the project area in Beadle County: Beadle loam (0-9 percent slopes)(BaA, BaB, BaC); Beadle-Dudley complex (0-2 percent slopes)(BdA); Bon silt loam, channeled (Bx); Delmont loam (0-2 percent slopes)(DeA); Dudley-Stickney silt loams (0-3 percent slopes)(DsA); Dudley-Tetonka silt loams (DtA); Egas silty clay loam (Eg); Enet loam (0-2 percent slopes) (EnA); Houdek-Dudley complex (3-6 percent slopes)(HdB); Houdek-Prosper loams (2-6 percent slopes)(HoB); Lane silt loam (0-2 percent slopes)(LnA); and Tetonka-Hoven silt loams (Te).

The corridor crosses five unnamed, intermittent streams in Brown and Day counties, and Shue Creek and five, unnamed intermittent streams in Beadle County.

Cultivation has impacted most of the project area. Other impacts have resulted from construction of a railroad and roads. The ground surface visibility ranged from 2 to 80 percent, with an average visibility of 50 percent. At the time of the survey, the project area was characterized by wheat stubble, soybean stubble and winter wheat (30-80% visibility); corn stubble (30-50% visibility); alfalfa (55% visibility); previously cultivated pasture

reseeded to grass and Conservation Reserve Program acres (25-30% visibility); and sloughs and stream crossings (2-25% visibility).

Elevation ranges from ca. 398 meters (ca. 1305 feet) near the north end of the project area in Brown County to a high of ca. 442 meters (ca. 1450 feet) in northern Beadle County. Elevations are above the National Geodetic Vertical Datum of 1929.

Terri Holts conducted a files search for the current project on December 20, 2007 at the State Archaeological Research Center, Rapid City, SD. The background records check revealed one previously recorded site, 39BN2003, in the project area. The background records check revealed two previously recorded surveys in the project area. Stubbs (2005) examined a block of land near the north end of the corridor in Section 18, T122N, R60W. Downing (2006) surveyed a segment of the corridor in Sections 3 and 4, T112N, R59W. Buechler (2004) examined areas within one mile of the corridor in Sections 9 and 34, T113N, R59W, and Sections 3 and 5, T112N, R59W. Four atlases (Andreas 1884; Brock and Company 1929; Midwest Atlas Co. 1964; Peterson 1904) were checked. No buildings are shown in the project area.

Field work: Date: March 10, 2008. Personnel: Edward J. Lueck and Carl Bates.

Type of Survey: Reconnaissance (Level III).

The 30-foot-wide project corridor was surveyed with one pedestrian transect. Sites 39BN2003 and 39BN150, described below, were recorded. The surface visibility ranged from 2 to 80 percent.

Site 39BN150

This site consists of an historic artifact scatter located in the NE1/4 NW1/4 NE1/4 of Section 14, T121N, R60W. It is located a few meters south of, and **outside** of, the project area. Based on the type of artifacts and the absence of buildings on the Andreas (1884) and Peterson (1904) atlases, this site appears to be associated with a reclaimed farmstead dating from sometime after 1904 through the 1950s. Artifacts are scattered over an area ca. 50 m north-south by ca. 40 m east-west. The north end of the scatter is a few meters south of the current project right-of-way (ROW). The ROW in this area also appears to have been borrowed from when the cut was made for the county road. The densest concentration of artifacts is in the center of the site. Artifacts consist of whiteware; flat glass (ca. 2 mm thick); gray and brown stoneware; decorative cast iron fragments; coal; cinders; melted glass; a 12-gauge shotgun shell base (Peters Cartridge Company); lavender tinted bottle glass (date from ca. mid-1920s); amber bottle glass with a slight patina; mold-made glass bottle mouth fragment made for a cork stopper; 'tin' can fragments; aqua screw-top bottle mouth fragment (Mason jar?); wire pincers; milkglass; and (harness?) leather.

Site 39BN2003 (Chicago and Northwestern Railroad)

This site consists of a reclaimed portion of the former Chicago and Northwestern Railroad. Only a raised bed remains.

The depth to the top of the B horizons in most of the soils mapped in the project area(s) is relatively shallow (3-30 cm), suggesting that cultural materials, if any, would be exposed on the surface. The presence of gravels in much of the project area supports the latter statement. Soils in which the top of the B horizons is at a greater depth (the Aastad, Brookings, Tetonka, Tonka and Svea series) are also present. These areas are few and are located in small sloughs or creek crossings; they are bordered by soils where

the plowzone has apparently intruded into the top of the B horizons. The Bon and Lamoure series have an AC profile, and, as such, are not suitable for habitation and have little potential for buried sites. All of the above conditions suggest a low potential for cultural resources.

No artifacts or samples were collected.

4. **Results:** Site 39BN2003, the Chicago and Northwestern Railroad, was recorded. While historic railroads have been determined eligible for the National Register of Historic Places (NRHP), the reclaimed segment of the site within the APE does not convey engineering values (Criterion "C"). In addition, the proposed construction will span line over the railroad and thus will have no impact on this site. A determination of No Adverse Effect is recommended. No further work is recommended. No other cultural resources were located in the project area. Site 39BN150 is outside of the project area.
5. **Recommendations:** The proposed construction will have no adverse effect on the portion of site 39BN2003 recorded by this survey. Site 39BN150 is outside of the project area. No further work is recommended because no cultural resources will be affected by the project, and because of previous disturbances there is little potential for buried, undiscovered remains in the APE. The project should proceed as planned. A determination of No Adverse Effect is recommended. However, if the proposed work uncovers items that might be of archeological, historical or architectural interest, the State Historic Preservation Office of South Dakota should be contacted.
6. **State Planning:** This part of the Lower and Upper James study units contained site 39BN2003. This finding contributes positive location information to the management of the study unit.

7. List of Attachments: Figures 1-16; Appendix A (NADB form); Appendix B (site forms).

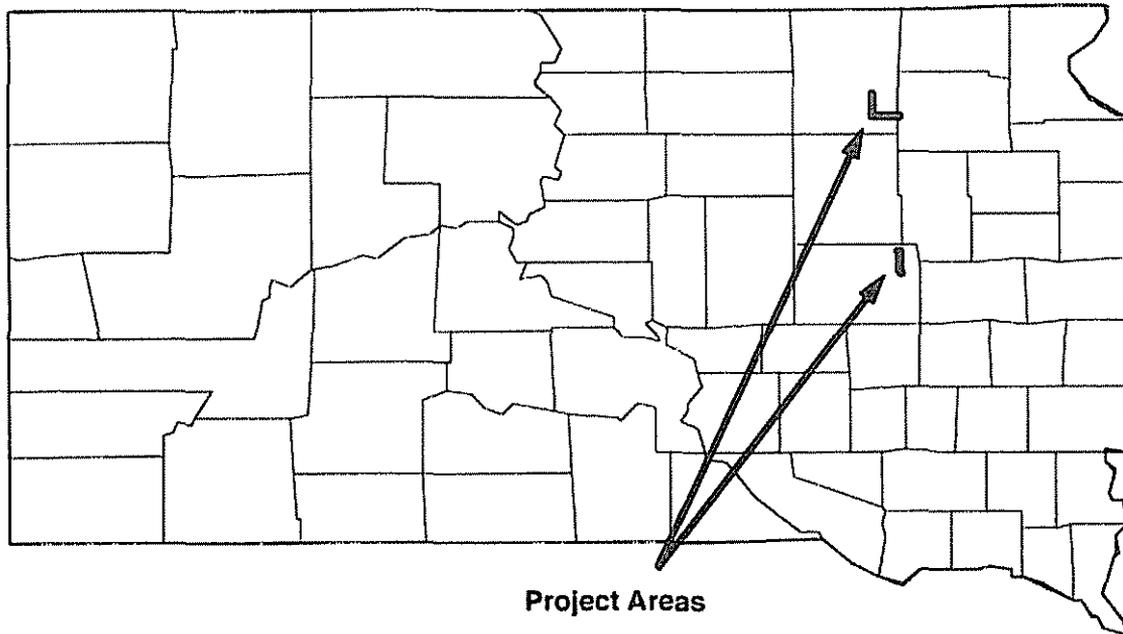


Figure 1. Location of project areas, Beadle, Brown and Day counties, South Dakota.

References

Andreas, A. T.

1884 *Andreas's Historical Atlas of Dakota*. A. T. Andreas, Chicago, IL.

Bachman, Wayne J.

1997 *Soil Survey of Day County, South Dakota*. United States Department of Agriculture, Natural Resources Conservation Service, in cooperation with United States Department of Interior, Bureau of Indian Affairs and Fish and Wildlife Service, and the South Dakota Agricultural Experiment Station. Washington, D.C.

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Buechler, Jeff

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Midwest Atlas Co.

1964 *South Dakota State Atlas*. Midwest Atlas Co., Fergus Falls, MN.

Peterson, E. Frank

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Schultz, Loren D.

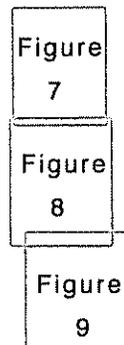
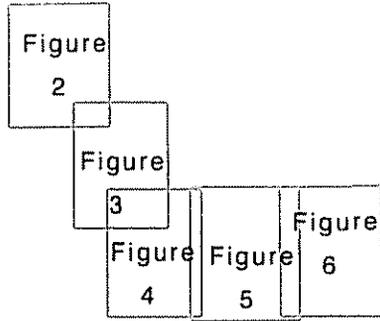
1993 *Soil Survey of Brown County, South Dakota*. United States Department of Agriculture Soil Conservation Service, in cooperation with South Dakota Agricultural Experiment Station. Washington, D.C.

Stubbs, Donna L.

- 2005 *A Class I Cultural Resource Survey for Basin Electric Power Cooperative's Proposed Turbine Station and Gas Line in Brown and Spink Counties, South Dakota*. Report No. ACRC-1640. ACR Consultants, Inc., Sheridan, Wyoming. Prepared for Tetra Tech EM, Inc., Boulder, CO.

United States Geological Survey (USGS)

- 1954 Ferney. USGS 7.5-minute quadrangle. United States Geological Survey, Department of the Interior. Washington, D.C.
- 1958 Andover SW. USGS 7.5-minute quadrangle. United States Geological Survey, Department of the Interior. Washington, D.C.
- 1973 Carpenter. USGS 7.5-minute quadrangle. United States Geological Survey, Department of the Interior. Washington, D.C.
- 1973 Staum Dam. USGS 7.5-minute quadrangle. United States Geological Survey, Department of the Interior. Washington, D.C.
- 1975 Groton. USGS 7.5-minute quadrangle. United States Geological Survey, Department of the Interior. Washington, D.C.



Key to Figures 2-9.

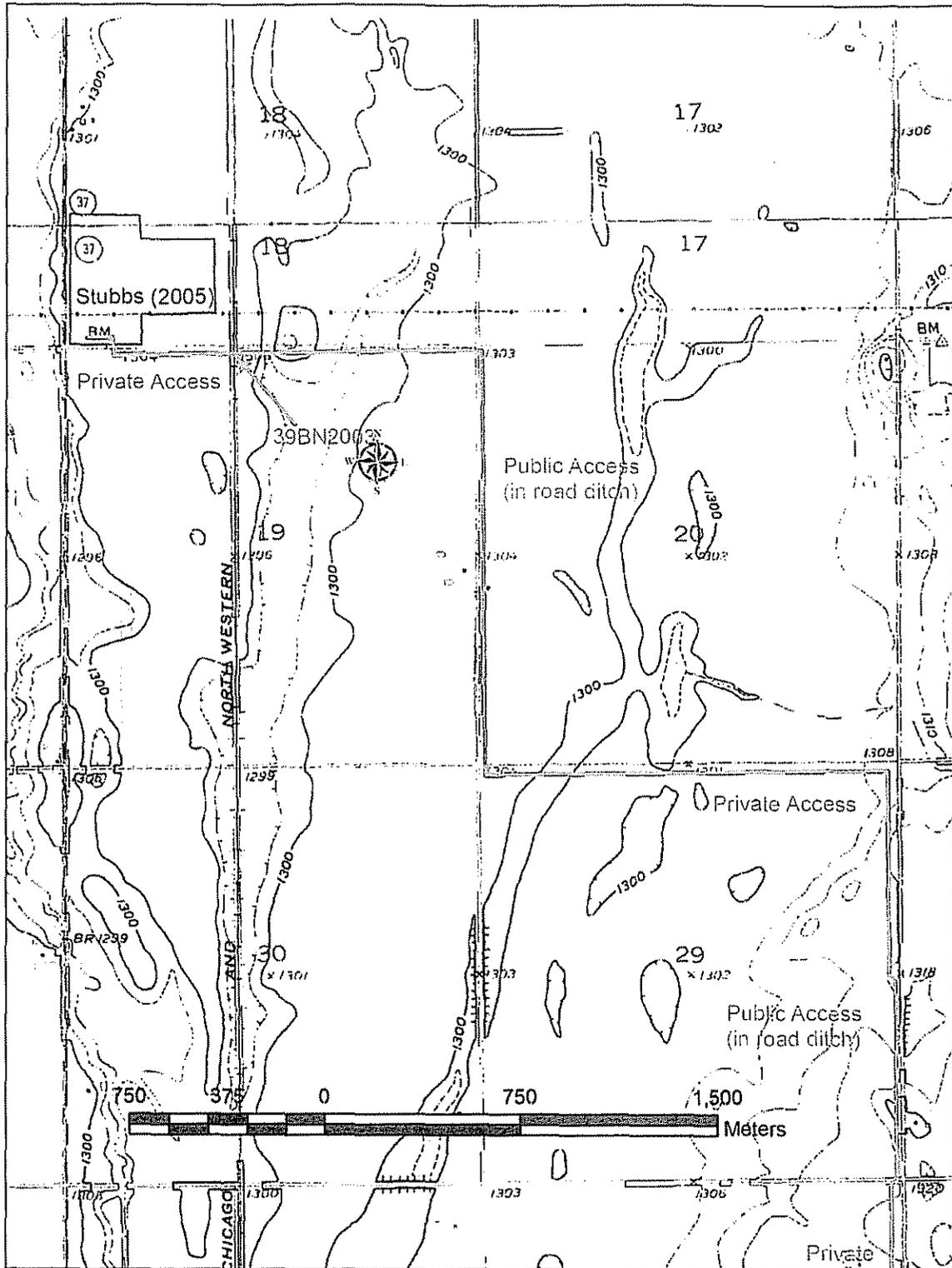


Figure 2. Location of survey area in Sections 18, 19, 20 and 29, T122N, R60W, shown on USGS 7.5-minute quadrangles Groton (1975) and Ferney (1954). Site 39BN2003 and previous survey by Stubbs (2005) also shown.

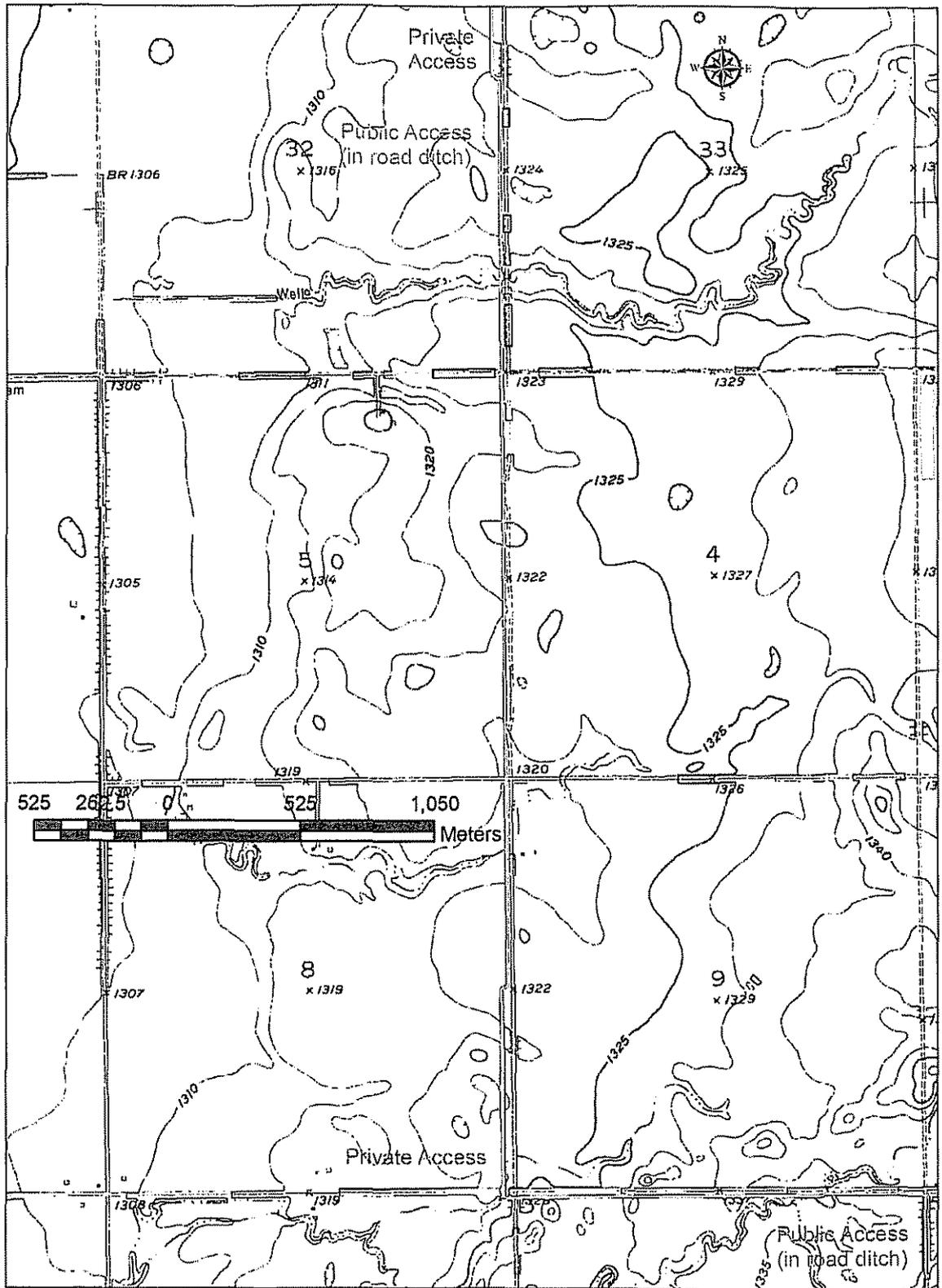


Figure 3. Location of survey area in Section 32, T122N, R60W, and Sections 5, 8, 16 and 17, T121N, R60W, shown on USGS 7.5-minute quadrangle Ferney (1954).

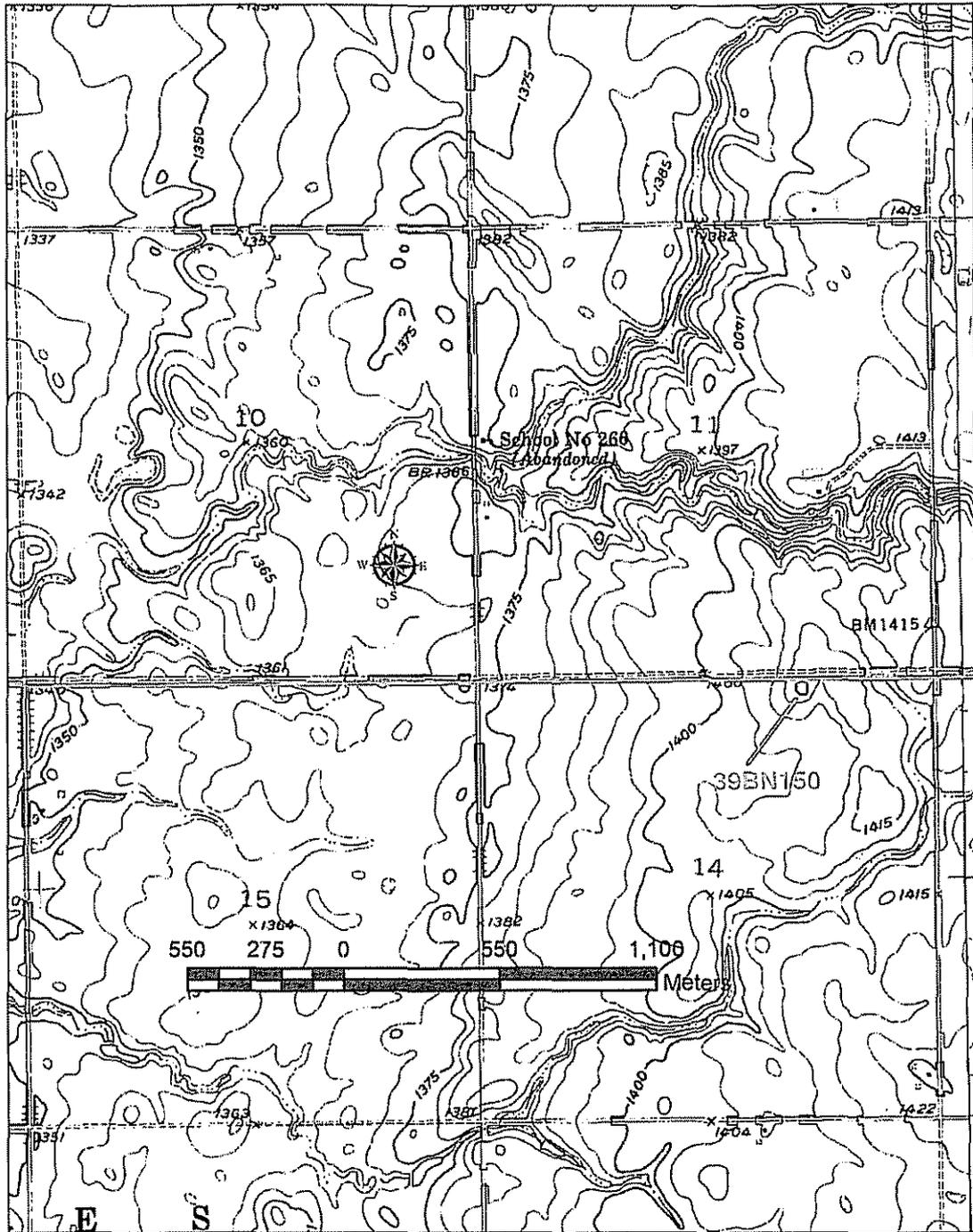


Figure 4. Location of survey area in Sections 13, 14, 15 and 16, T121N, R60W, shown on USGS 7.5-minute quadrangles Ferney (1954) and Andover SW (1958). Site 39BN150 also shown.

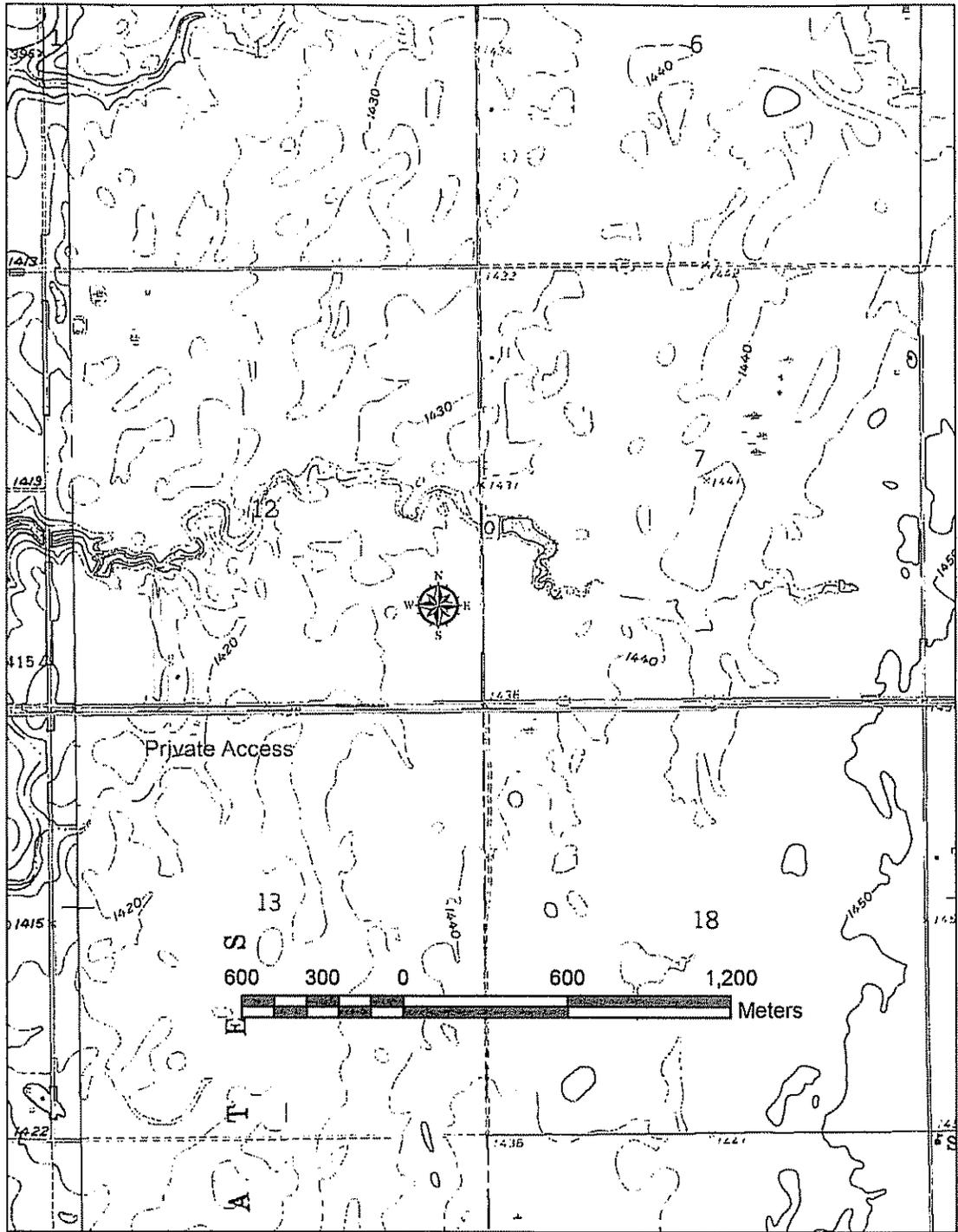


Figure 5. Location of survey area in Sections 13 and 14, T121N, R60W, and Sections 17 and 18, T121N, R59W, shown on USGS 7.5-minute quadrangle Andover SW (1958).

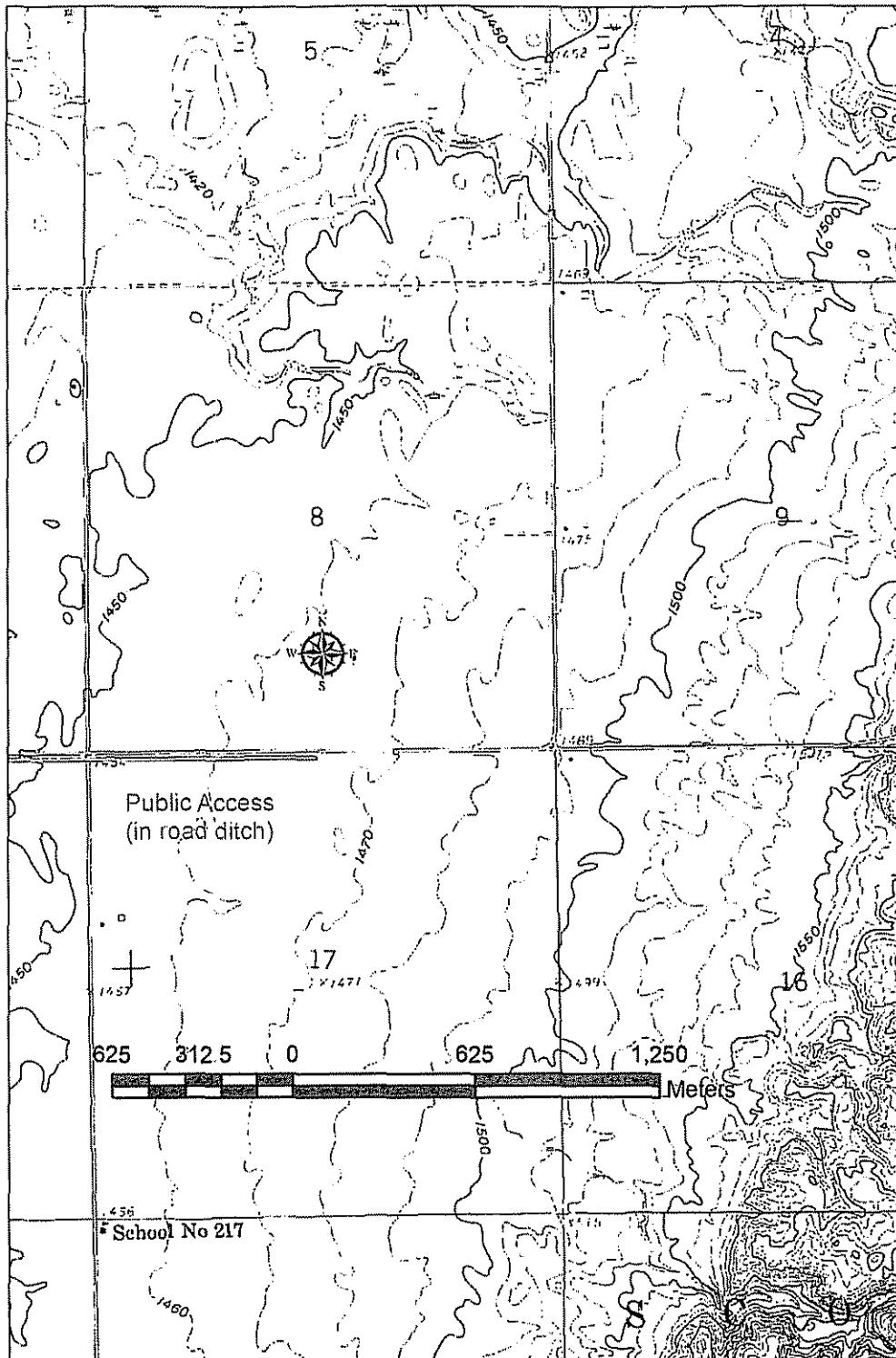


Figure 6. Location of survey area in Sections 17 and 18, T121N, R59W, shown on USGS 7.5-minute quadrangle Andover SW (1958).

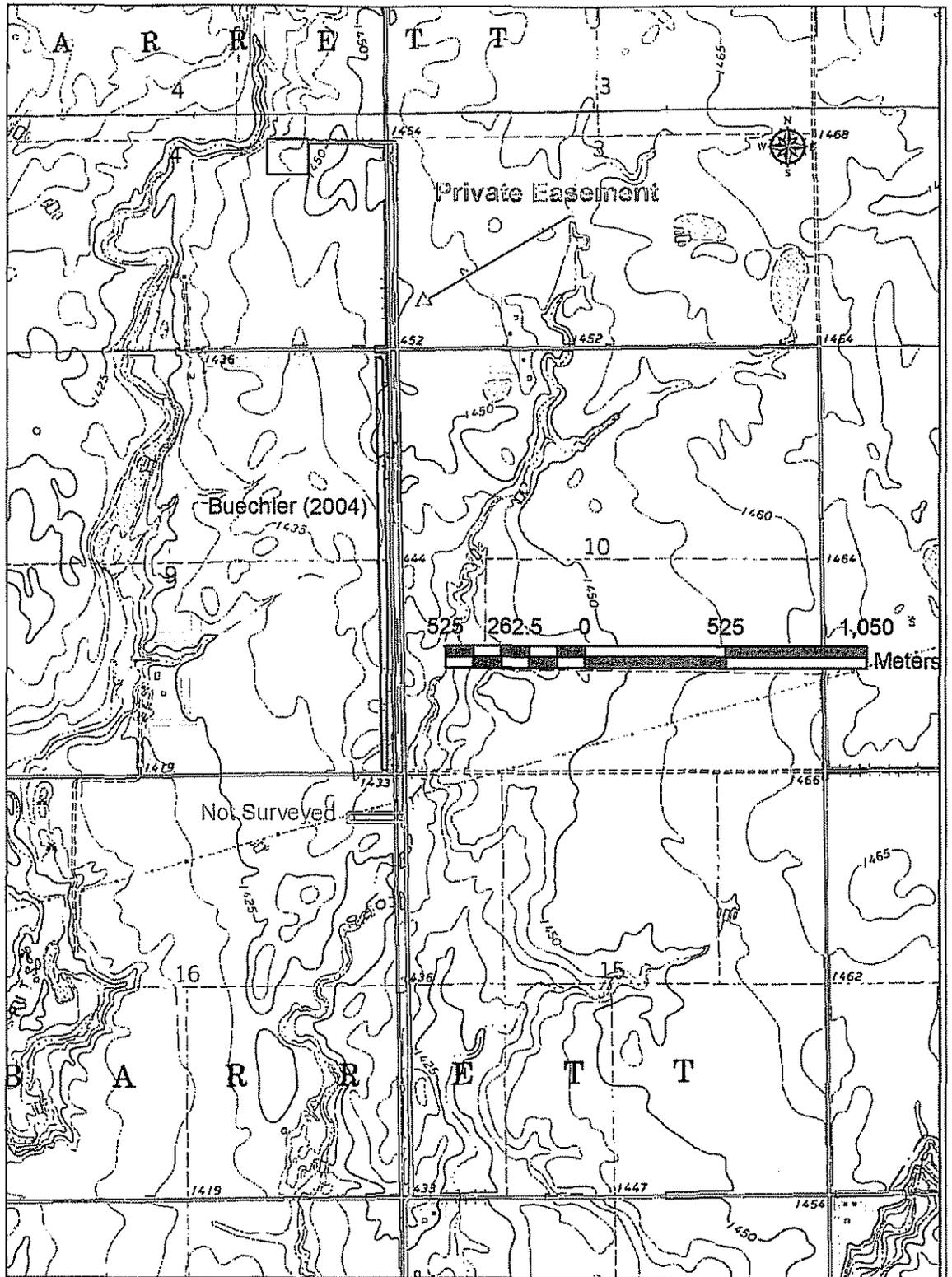


Figure 7. Location of survey area in Sections 3, 4, 10, 15, 16 and 22, T113N, R59W, shown on USGS 7.5-minute quadrangles Carpenter (1973) and Staum Dam (1973). Previous survey by Buechler (2004) also shown.

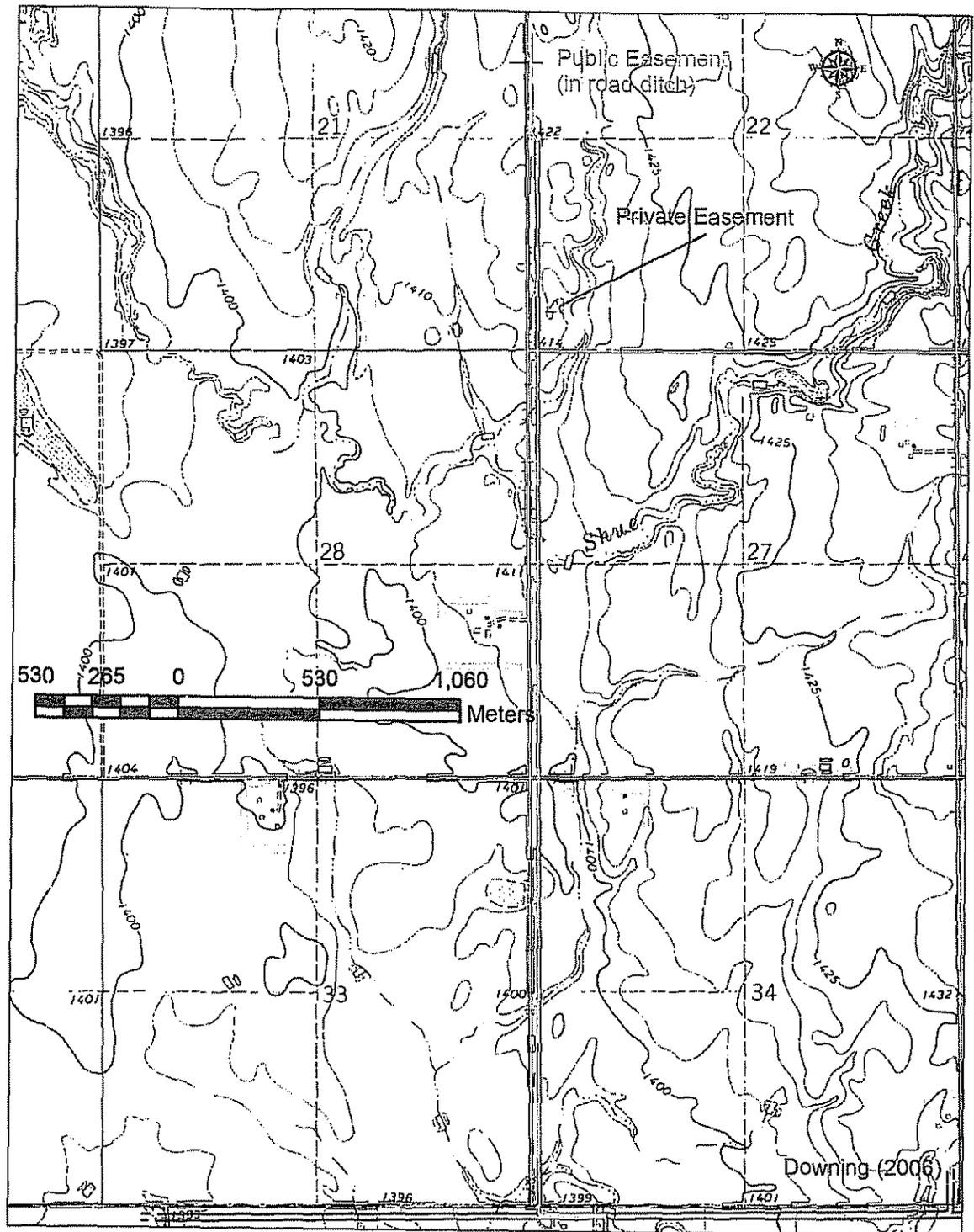


Figure 8. Location of survey area in Sections 15, 22, 27 and 34, T113N, R59W, and Sections 3 and 4, T112N, R59W, shown on USGS 7.5-minute quadrangle Staum Dam (1973). Previous survey by Downing (2006) also shown.

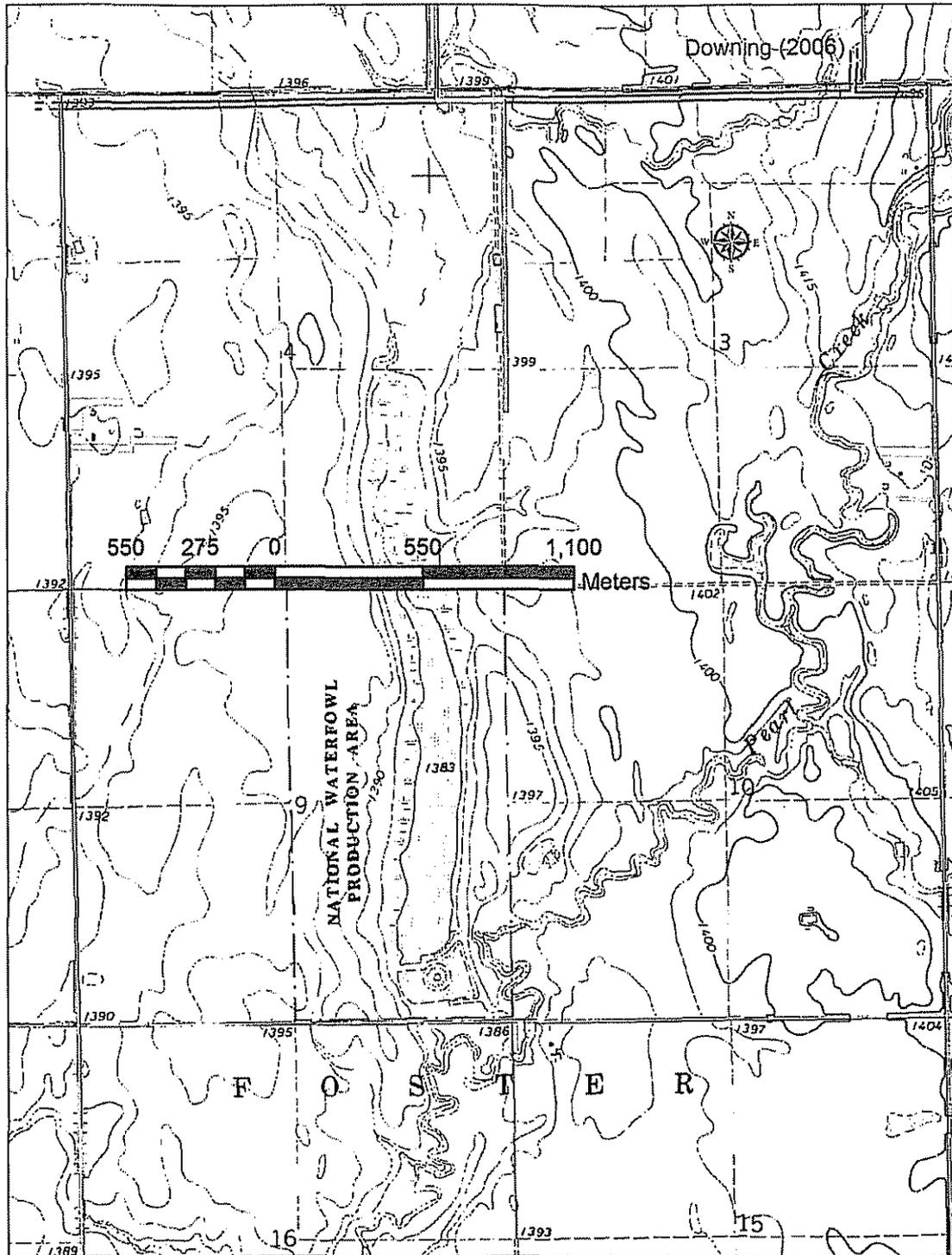


Figure 9. Location of survey area in Section 34, T113N, R59W, and Sections 3 and 4, T112N, R59W, shown on USGS 7.5-minute quadrangle Staum Dam (1973). Previous survey by Downing (2006) also shown.



Figure 10. View of site 39BN2003, facing south.

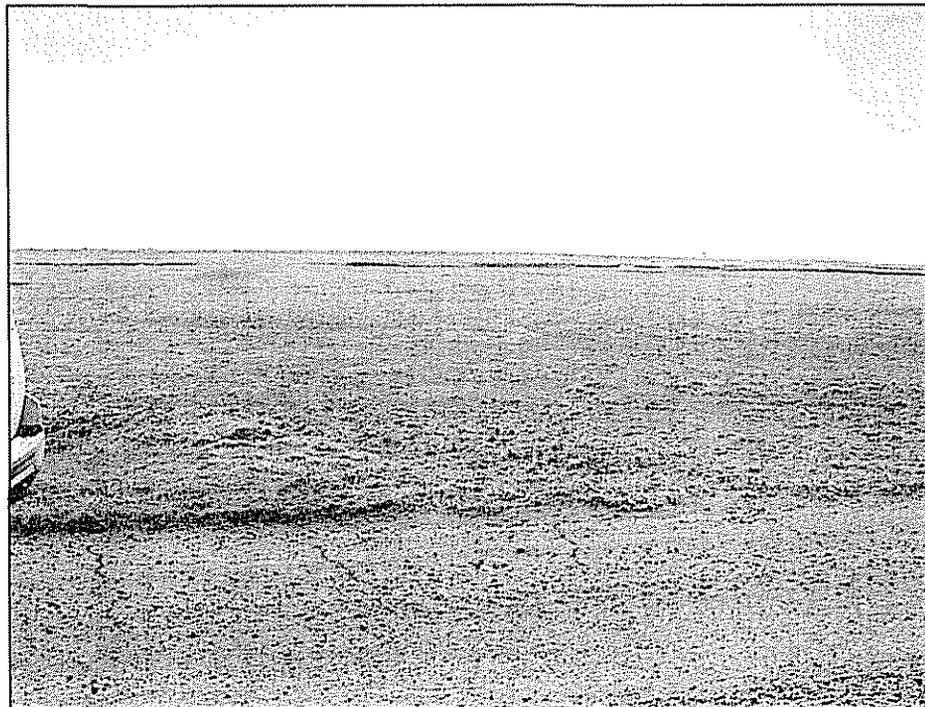


Figure 11. View of site 39BN150, facing southwest.

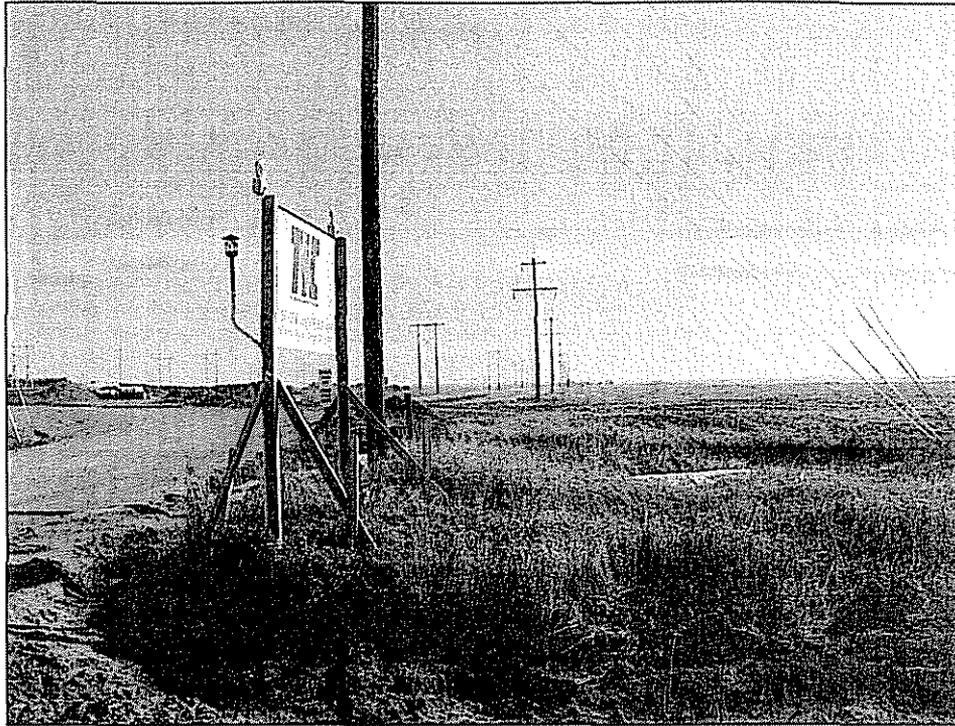


Figure 12. View of the north end of the PS-20 project area in Brown County, facing east.



Figure 13. View of the lowlands near the north end of the PS-20 project area in Brown County, facing east.



Figure 14. View of the 5-acre tract at the north end of the PS-21 project area in Beadle County, facing west.

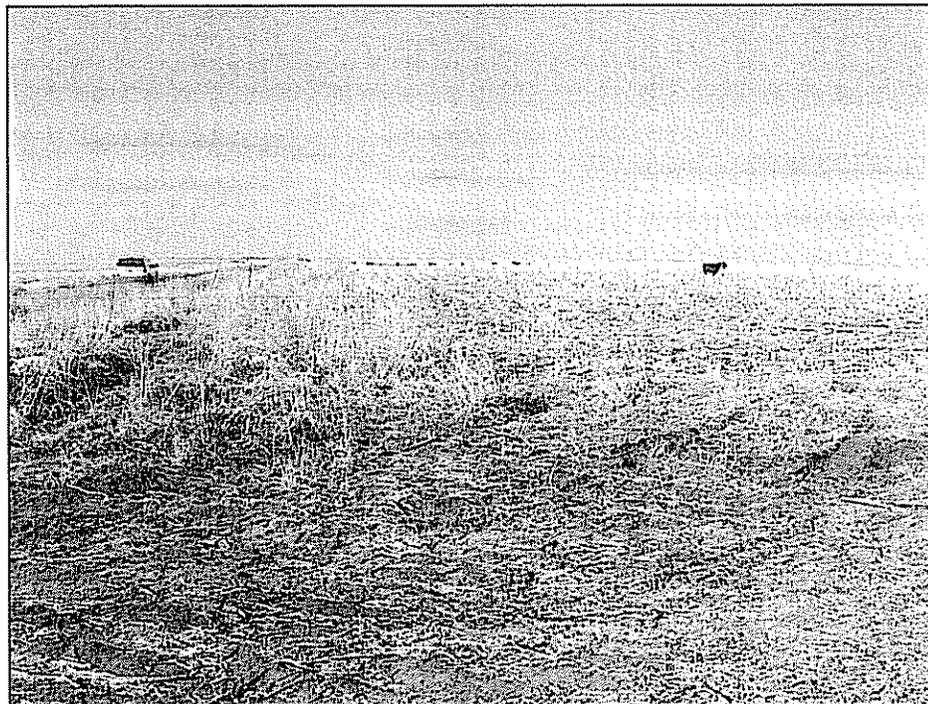


Figure 15. View of the south end of the PS-21 project area in Beadle County, facing north.

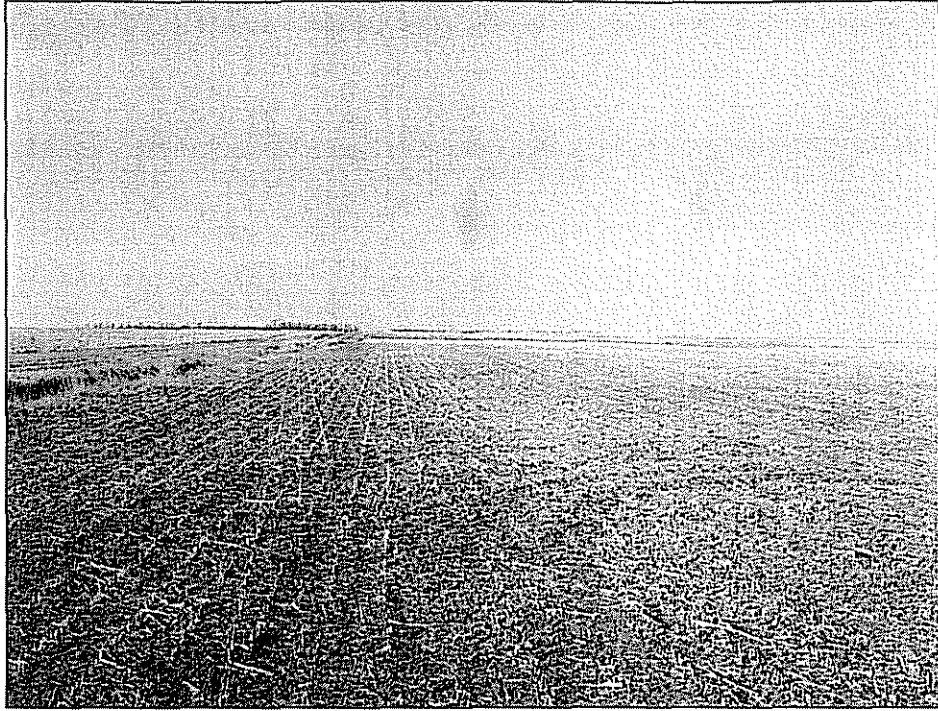


Figure 16. View of the Shue Creek crossing, PS-21 project area in Beadle County, facing north.

APPENDIX A
NADB FORM

NATIONAL ARCHAEOLOGICAL DATABASE - REPORTS: DATA ENTRY FORM

1. R and C # _____
 2. Authors: Edward J. Lueck

Year of Publication 2008

3. Title: A Level III Cultural Resources Survey of East River Electric Power Cooperative's
 Keystone Transmission Line-Pumping Stations #20 and #21, Brown, Day and Beadle
 Counties, South Dakota.

4. Report Title: _____
 Volume #: _____ Report #: _____ NTIS: _____
 Publisher: _____
 Place: _____

5. Unpublished
 Sent From: Archeology Laboratory, Augustana College, Sioux Falls, SD 57105
 Sent To: East River Electric Power Cooperative, Inc., Madison, SD 57042
 Contract #: _____

6. Federal Agency: Rural Utilities Service (RUS)

7. State: SD SD SD _____
 County: Beadle Brown Day _____
 Town: _____

8. Work Type: 31

9. Keyword: 0 - Types of Resources/Features 1 - Generic Terms/Research Questions
 2 - Taxonomic Names 3 - Artifact Types/Material Classes
 4 - Geographic Names/Locations 5 - Time Periods
 6 - Project Names/Study Unit 7 - Other Key Words

| | | | |
|----------------------------|-------|----------------|-------|
| <u>54.6 acres</u> | [7] | <u>39BN150</u> | [0] |
| <u>Beadle County</u> | [4] | _____ | [] |
| <u>Brown County</u> | [4] | _____ | [] |
| <u>Day County</u> | [4] | _____ | [] |
| <u>Middle James Region</u> | [4] | _____ | [] |
| <u>Upper James Region</u> | [4] | _____ | [] |
| <u>39BN2003</u> | [0] | _____ | [] |

10. UTM Zone: Easting: 570857 Northing: 5024312 (39BN2003)
577832 5016290 (39BN150)

11. Township: 112N 113N 121N 121N 122N
 Range: 59W 59W 59W 60W 60W

Other Publication Types:

12. Monograph:

Name: _____
Place: _____

13. Chapter: In: _____ First: _____ Last: _____

14. Journal: Volume: _____ Issue: _____ First: _____ Last: _____

15. Dissertation: Degree: Ph.D. LL.D. M.A. M.S. B.A. B.S. Institute: _____

16. Paper: Meeting: _____
Place: _____ Date: _____

17. Other
Reference Line: _____

18. Site #: 39BN2003 39BN150 _____

| 19. Quad Map: | Name | Date: |
|---------------|------------|-------|
| | Andover SW | 1958 |
| | Carpenter | 1973 |
| | Ferney | 1954 |
| | Groton | 1975 |
| | Staum Dam | 1973 |

APPENDIX B

SITE FORMS (39BN150 and 39BN2003)

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39BN150

| | | | | | |
|--------------------|--|----------------|--|--|---|
| County | Brown | Site Name | | | |
| Other No | PS-20-1 | NR Status | Not Eligible (recommended) | | |
| Map Reference | Ferney | Owner | Private | | |
| Arch. Region | Upper James | Topo pos | Hill Top | | |
| Vegetation | Cropland | Substrate | Silt | | |
| UTM Zone | 14 / 577832 E/ 5016290 N | Land Use | Cultivated | | |
| Surf. visibility | 70 % | Site elevation | 432 m | | |
| Condition | Disturbed | | | | |
| Site Dim. N-S | 50 m | E-W | 40 m | | |
| Area | 0.16 ha | | Depth | 1 cm | |
| Nearest Water Type | Intermittent Stream | | Name | | |
| Distance | 264 m | Elevation | 430 m | Direction | E |
| Bank | R | | | | |

LOCATIONS

| Legal Locations | Section | Twp | Rg |
|---|--|--|---|
| NE1/4 NW1/4 NE1/4 | 14 | 121N | 60W |
| | | | |
| | | | |

COMPONENTS

| Site Type | Time Period | Cultural Affiliation |
|--|--|---|
| Artifact Scatter | A.D. 1861- | Euro-american |
| | | |
| | | |

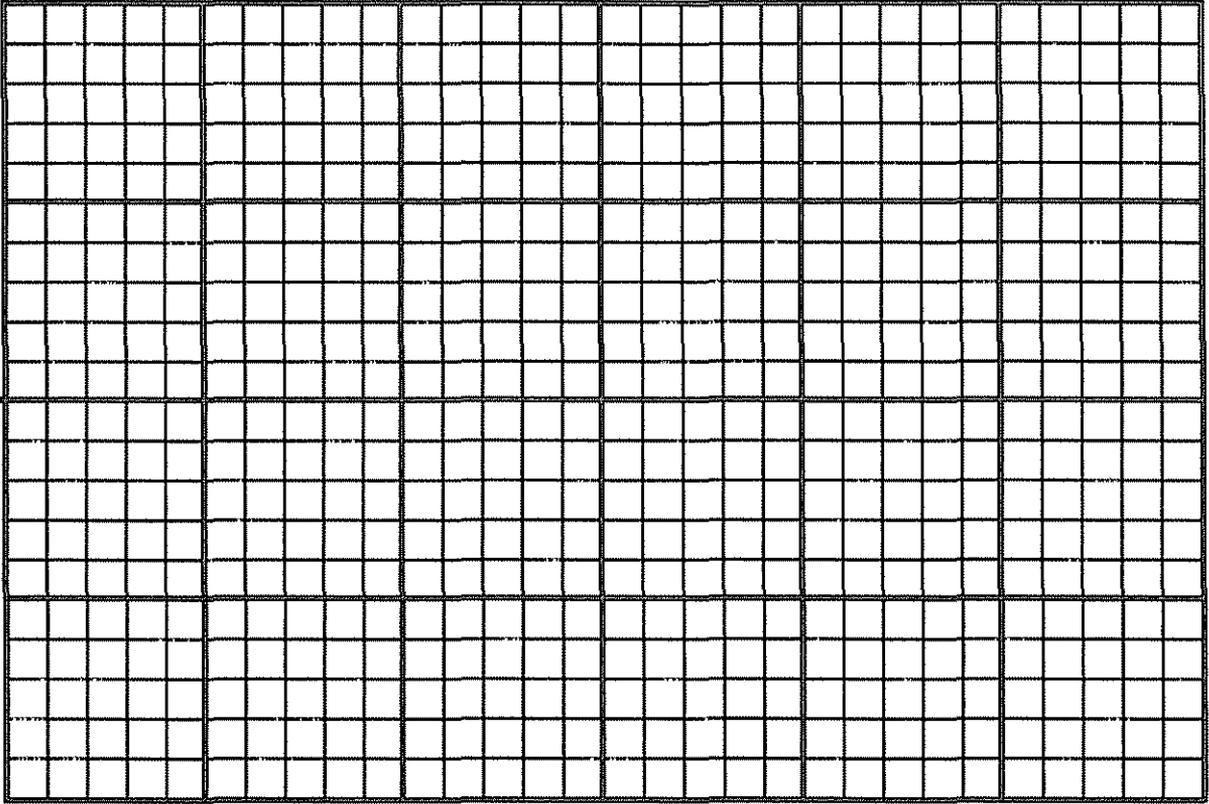
COMMENTS

| | |
|--|--|
| Comments/site description (i.e. artifacts/features observed) | Reclaimed historic farmstead. |
| | |
| Evaluation/collection methods | No collection. |
| | |
| Owner name/address/attitude | Unknown/ unknown/ unknown |
| Name | Edward J. Lueck Date March 10, 2008 |
| Project | East River Electric Power Cooperative – Keystone Transmission Line-Pumping Station #20 |

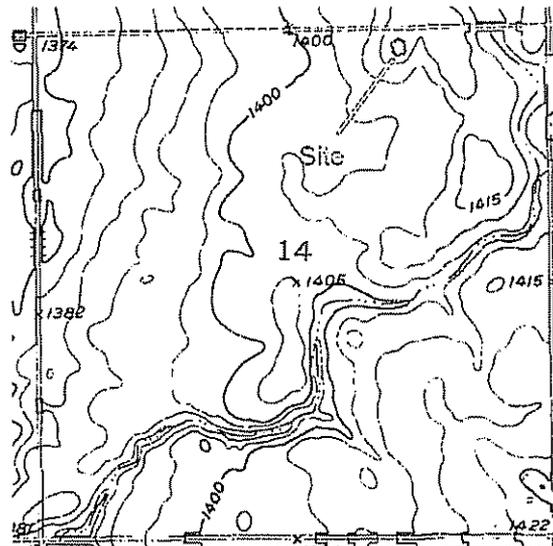
SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39BN150

SITE MAP



SITE LOCATION



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UPDATE

Site No 39BN2003

| | | | |
|--------------------|---|----------------|--|
| County | Brown | Site Name | Chicago Northwestern RR |
| Other No | | NR Status | Eligible |
| Map Reference | Ferney | Owner | Private |
| Arch. Region | Upper James | Topo pos | Hill Top |
| Vegetation | Cropland | Substrate | Silt |
| UTM Zone | 14 / 570857 E / 5024312 N | Land Use | Cultivated |
| Surf. visibility | 60 % | Site elevation | 398 m |
| Condition | Disturbed | | |
| Site Dim. N-S | 9 m | E-W | 30 m |
| Area | 0.03 ha | | Depth |
| | | | 1 cm |
| Nearest Water Type | Intermittent Stream | | Name |
| Distance | 894 m | Elevation | 395 m |
| | | Direction | W Bank R |

LOCATIONS

| Legal Locations | Section | Twp | Rg |
|---|--|--|---|
| NE1/4 NE1/4 NW1/4 | 19 | 122N | 60W |
| | | | |
| | | | |

COMPONENTS

| Site Type | Time Period | Cultural Affiliation |
|--|--|---|
| Railroad | A.D. 1861- | Euro-american |
| | | |
| | | |

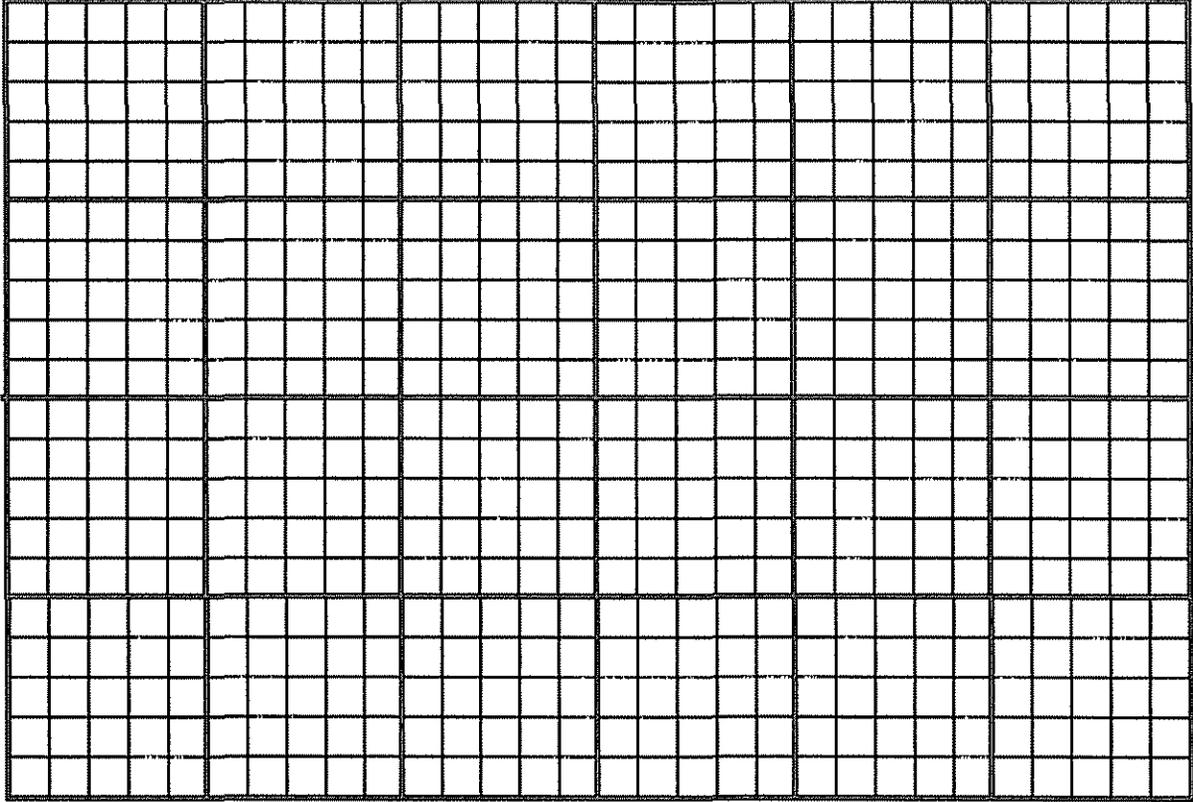
COMMENTS

| | |
|--|---|
| Comments/site description (i.e. artifacts/features observed) | Abandoned portion of Chicago |
| Northwestern Railroad. | |
| Evaluation/collection methods | No collection. |
| | |
| Owner name/address/altitude | Unknown/ unknown/ unknown |
| Name | Edward J. Lueck Date March 10, 2008 |
| Project | East River Electric Power Cooperative -- Keystone Transmission Line-Pumping Station #20 |

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39BN2003

SITE MAP



SITE LOCATION

