



Appendix B Site Forms



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SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0146

County Deuel Site Name Other No HDR-002A

NR Status recom. Not Eligible SHPO Determination

NR District

Map Reference Astoria Owner Private

Arch. Region Northeast Lowlands Topo pos Hill Top

Vegetation Cropland Substrate Loess Land Use Cultivated

UTM centroid: coord. system NAD 1983 zone 14 / 689624 E/ 4943465 N

Surf. visibility 100 % Site elevation 570 m Condition Disturbed

Site Dim. N-S 25 E-W 10 m Area .02 ha Depth 1 cm

Nearest Water Type Intermittent Stream Name Cobb Creek

Distance 275 m Elevation 564 m Direction SW Bank L

LOCATIONS

Legal Locations	Section	Twp	Rg
NE-SW-SE	5	113N	48W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Isolated Find	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

See attached continuation sheet.

Evaluation/collection methods

Pedestrian survey and shovel testing. No collection.

Owner name/address/attitude

Name Dylan Eigenberger Date 5/16/2019

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0146
Continuation Sheet

Comments/Site Description:

Site 39DE0146 is a Native American lithic isolated find located in the NE 1/4, SW 1/4, SE 1/4 of Section 5, Township 113N, Range 48W. The isolated find is located on a low rise in a general upland setting. Cobb Creek, an intermittent stream, is located approximately 295 meters to the southwest, and a livestock pond, created from a dammed, unnamed intermittent stream, is located north of the rise. Ground coverage at the time of investigation consisted of a tilled agricultural field with 100 percent GSV. The isolated find consists of one tested Swan River chert cobble, one Swan River chert flake, and one piece of shatter of unidentified chert, likely derived from local glacial till. Close-interval pedestrian survey of a 15-meter square around the isolated find uncovered no additional cultural materials.

One shovel test was placed at the location of the isolated find to determine the presence or absence of additional cultural materials or features and to assess subsurface integrity. Shovel test 1 exhibited a very dark brown (10YR 2/2) loamy clay plow zone that was present to a depth of 34 centimeters below surface (cmbs) where the dark yellowish brown (10YR 3/6) silty clay subsoil was reached. The shovel test was excavated to a depth of 51 cmbs. No cultural materials or features were encountered in the shovel test.

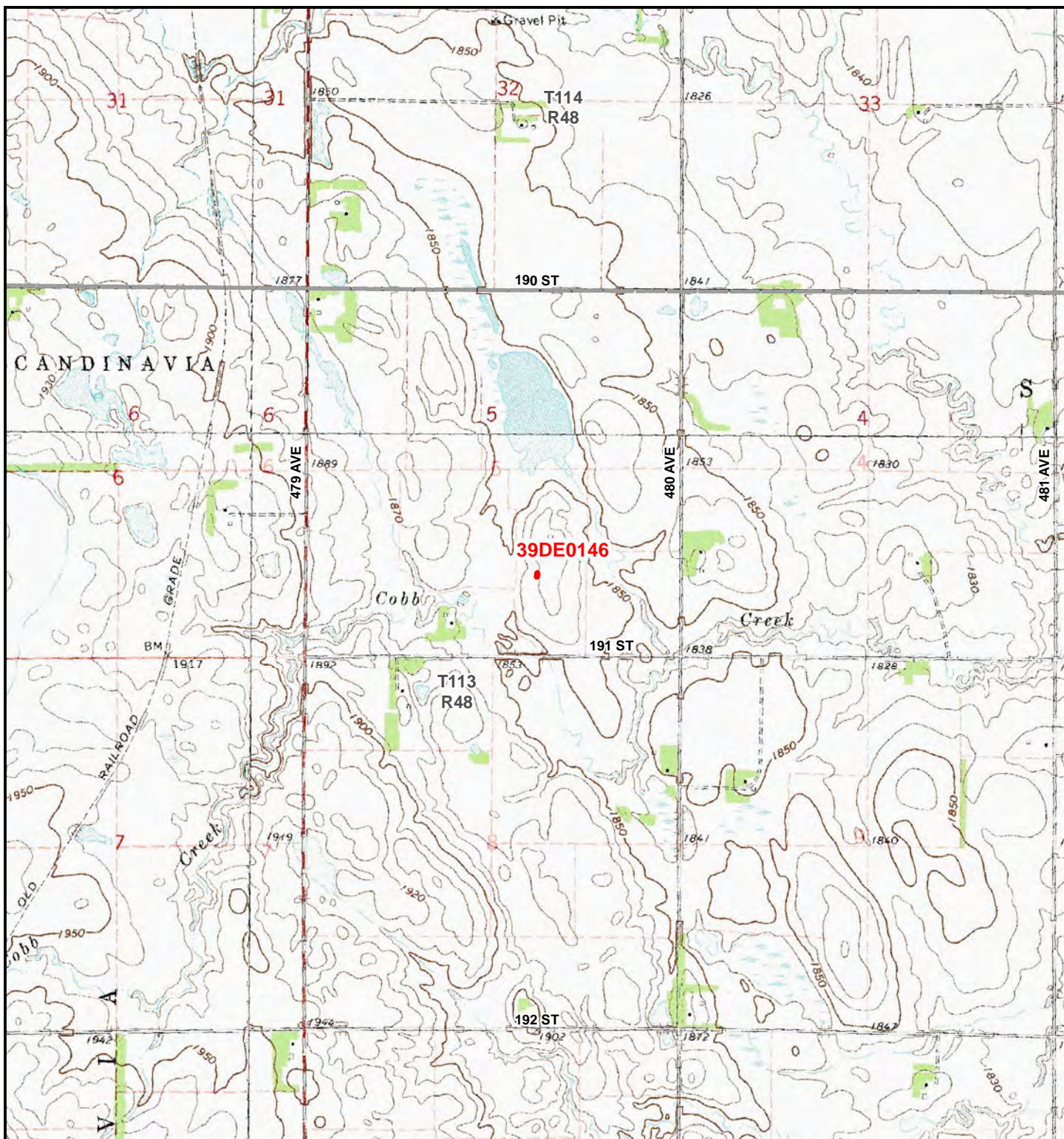
Summary and Recommendations

Site 39DE0146 is a Native American isolated find located in a cultivated agricultural field. No temporally or culturally diagnostic artifacts were observed. Shovel testing at the location revealed no cultural materials or features. The site exhibited no subsurface integrity because of intensive cultivation. Because isolated finds in South Dakota are by definition not eligible for listing on the NRHP, site 39DE0146 is recommended not eligible for listing on the NRHP under any criteria.

SD State Archaeological Research Center
Site No. 39DE0146
Continuation Sheet

Figure 1. Site 39DE0146 overview, view to the north

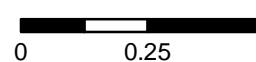


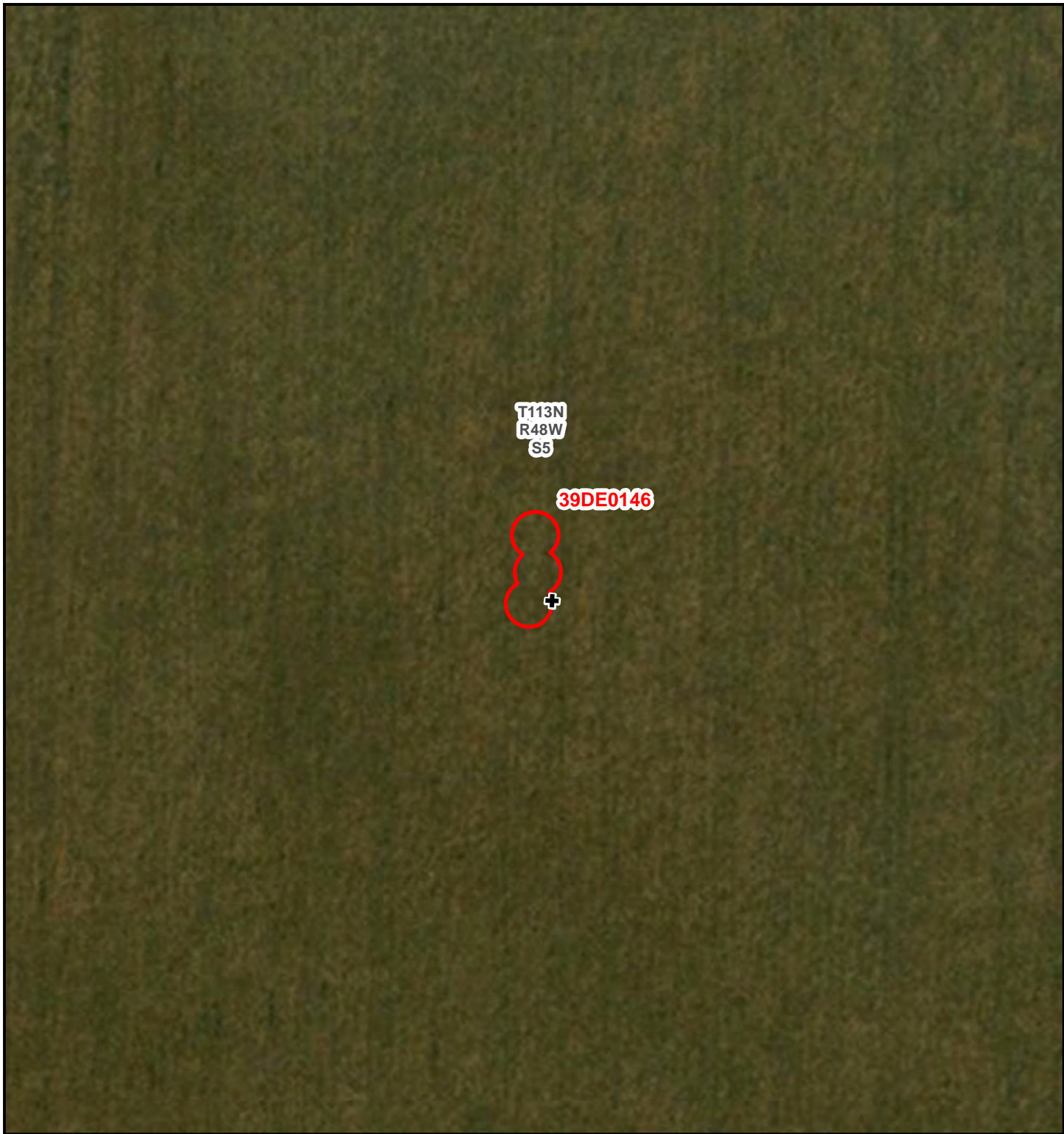


Site 39DE0146
Deuel County, South Dakota

 Site Boundary



 Miles
0 0.25 0.5



Site 39DE0146
Deuel County, South Dakota

- + Negative Shovel Test
- Site Boundary



0 50 100 Feet

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0147

County Deuel Site Name Other No HDR-003A

NR Status recom. Not Eligible SHPO Determination

NR District

Map Reference Astoria Owner Private

Arch. Region Northeast Lowlands Topo pos Hill Slope

Vegetation Cropland Substrate Loess Land Use Cultivated

UTM centroid: coord. system NAD 1983 zone 14 / 689613 E/ 4943267 N

Surf. visibility 100 % Site elevation 567 m Condition Disturbed

Site Dim. N-S 38 E-W 31 m Area .08 ha Depth 1 cm

Nearest Water Type Intermittent Stream Name Cobb Creek

Distance 160 m Elevation 564 m Direction S Bank L

LOCATIONS

Legal Locations	Section	Twp	Rg
SW-SW-SE	5	113N	48W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Isolated Find	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

See attached continuation sheet.

Evaluation/collection methods

Pedestrian survey and shovel testing. No collection.

Owner name/address/attitude

Name Dylan Eigenberger Date 5/16/2019

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0147
Continuation Sheet

Comments/Site Description:

Site 39DE0147 is a Native American lithic isolated find located in the SW 1/4, SW 1/4, SE 1/4 of Section 5, Township 113N, Range 48W. The isolated find is located on a low rise in a general upland setting. Cobb Creek, an intermittent stream, is located approximately 160 meters to the southwest, and a livestock pond, created from a dammed, unnamed intermittent stream, is located north of the rise. Ground coverage at the time of investigation consisted of a tilled agricultural field with 100 percent GSV. The isolated find consists of four lithic artifacts including one piece of chalcedony shatter, one tertiary flake composed of a basalt-like raw material, and two primary flakes composed of Swan River chert. Close-interval pedestrian survey uncovered no additional cultural materials.

One shovel test was placed at the location of the isolated find to determine the presence or absence of additional cultural materials or features, and to assess subsurface integrity. Shovel test 1 exhibited a very dark brown (10YR 2/2) loamy clay plow zone that was present to a depth of 23 cmbs where the dark yellowish brown (10YR 3/6) silty clay subsoil was reached. The shovel test was excavated to a depth of 41 cmbs. No cultural materials or features were encountered in the shovel test.

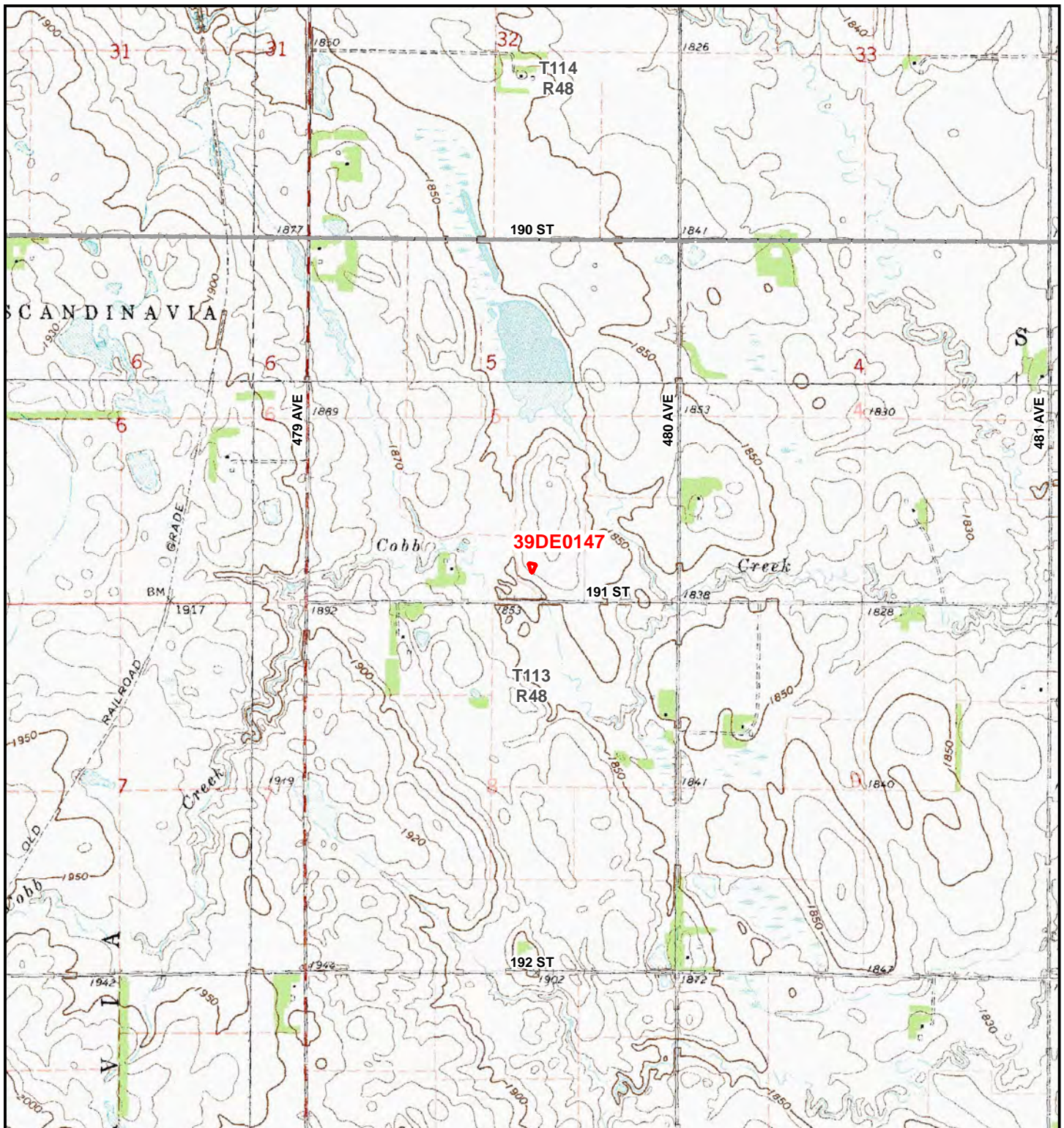
Summary and Recommendations

Site 39DE0147 is a Native American isolated find located in a cultivated agricultural field. No temporally or culturally diagnostic artifacts were observed. Shovel testing at the location revealed no cultural materials or features. The site exhibited no subsurface integrity because of intensive cultivation. Because isolated finds in South Dakota are by definition not eligible for listing on the NRHP, site 39DE0147 is recommended not eligible for listing on the NRHP under any criteria.

**SD State Archaeological Research Center
Site No. 39DE0147
Continuation Sheet**

Figure 1. Site 39DE0147 overview, view to the south

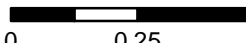




Site 39DE0147
Deuel County, South Dakota

 Site Boundary



 Miles
0 0.25 0.5



Site 39DE0147
Deuel County, South Dakota

- + Negative Shovel Test
- Site Boundary



0 50 100 Feet

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE1048

County Deuel Site Name Other No HDR-004A

NR Status recom. Not Eligible SHPO Determination

NR District

Map Reference Toronto Owner Private

Arch. Region Upper Big Sioux Topo pos Rolling Plain

Vegetation Cropland Substrate Loess Land Use Cultivated

UTM centroid: coord. system NAD 1983 zone 14 / 687853 E/ 4943738 N

Surf. visibility 100 % Site elevation 585 m Condition Disturbed

Site Dim. N-S 10 E-W 10 m Area .01 ha Depth 1 cm

Nearest Water Type Intermittent Stream Name Unnamed

Distance 615 m Elevation 582 m Direction NW Bank SE

LOCATIONS

Legal Locations	Section	Twp	Rg
NE-NW-SE	6	113N	48W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Isolated Find	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

See attached continuation sheet.

Evaluation/collection methods

Pedestrian survey and shovel testing. No collection.

Owner name/address/attitude

Name Dylan Eigenberger Date 6/2/2019

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE1048
Continuation Sheet

Comments/Site Description:

Site 39DE1048 is a Native American lithic isolated find located in the NE 1/4, NW 1/4, SE 1/4 of Section 6, Township 113N, Range 48W. The isolated find is located on a flat plain in a general upland setting. An unnamed intermittent stream is located approximately 615 meters to the northwest. Ground coverage at the time of investigation consisted of a tilled agricultural field with 100 percent GSV. The isolated find consists of one tertiary flake composed of chalcedony. Close-interval pedestrian survey of a 15-meter square around the isolated find uncovered no additional cultural materials.

One shovel test was placed at the location of the isolated find to determine the presence or absence of additional cultural materials or features, and to assess subsurface integrity. Shovel test 1 exhibited a very dark gray (10YR 3/1) sandy silt loam plow zone that was present to a depth of 35 cmbs where the brown (10YR 4/3) silty sand with heavy gravel subsoil was reached. The shovel test was excavated to a depth of 45 cmbs. No cultural materials or features were encountered in the shovel test.

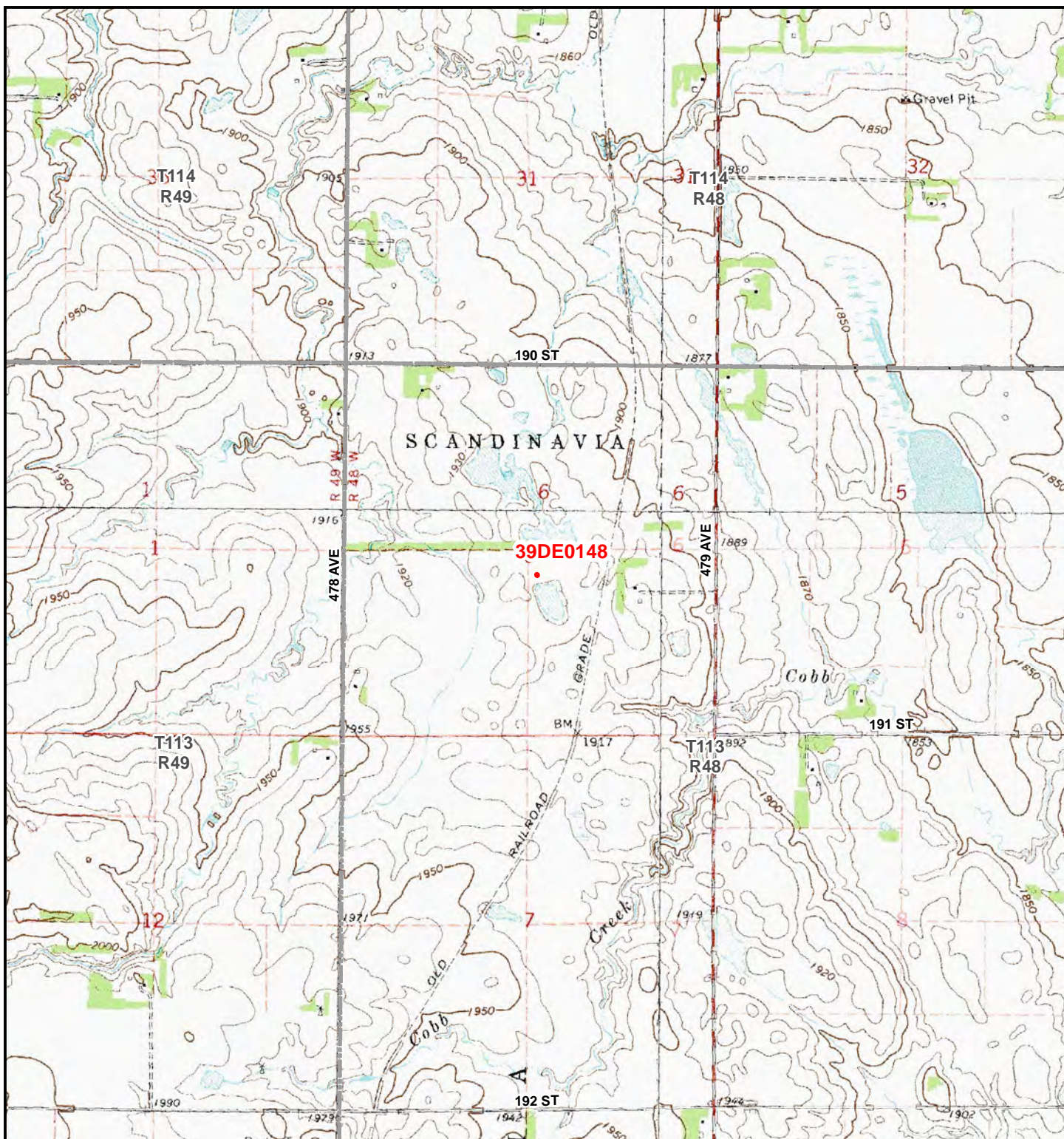
Summary and Recommendations

Site 39DE1048 is a Native American isolated find located in a cultivated agricultural field. No temporally or culturally diagnostic artifacts were observed. Shovel testing at the location revealed no cultural materials or features. The site exhibited no subsurface integrity because of intensive cultivation. Because isolated finds in South Dakota are by definition not eligible for listing on the NRHP, site 39DE1048 is recommended not eligible for listing on the NRHP under any criteria.

SD State Archaeological Research Center
Site No. 39DE1048
Continuation Sheet

Figure 1. Site 39DE1048 overview, view to the south

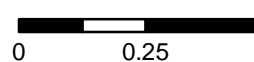




Site 39DE0148
Deuel County, South Dakota

 Site Boundary



 Miles
0 0.25 0.5



Site 39DE0148
Deuel County, South Dakota

- + Negative Shovel Test
- Site Boundary



0 50 100 Feet

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0149

County	Deuel	Site Name		Other No	HDR-005A
NR Status recom.	Not Eligible	SHPO Determination			
NR District					
Map Reference	Clear Lake South	Owner	Private		
Arch. Region	Upper Big Sioux	Topo pos	Rolling Plain		
Vegetation	Cropland	Substrate	Loess	Land Use	Cultivated
UTM centroid:	coord. system	NAD 1983	zone	14	/ 679707 E/ 4946214 N
Surf. visibility	90	%	Site elevation	594	m Condition Disturbed
Site Dim. N-S	13	E-W	24	m	Area 0.02 ha Depth 1 cm
Nearest Water Type	Intermittent Stream	Name	Unnamed		
Distance	95	m	Elevation	585	m Direction NE Bank L

LOCATIONS

Legal Locations	Section	Twp	Rg
NE-SE-SW, NW-SW-SE	29	114N	49W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Isolated Find	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

See attached continuation sheet.

Evaluation/collection methods

Pedestrian survey and shovel testing. No collection.

Owner name/address/attitude

Name Dylan Eigenberger Date 5/30/2019

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0149
Continuation Sheet

Comments/Site Description:

Site 39DE0149 is a Native American lithic isolated find located in the NE 1/4, SE 1/4, SW1/4, and the NW 1/4, SW 1/4, SE 1/4 of Section 29, Township 114N, Range 49W. The isolated find is on the northwest-facing slope of a small rise overlooking an unnamed intermittent stream located approximately 95 meters to the north-northeast. Ground coverage at the time of investigation consisted of a tilled corn field with 90 percent GSV. The isolated find consists of four lithic artifacts including one secondary Swan River chert flake, one secondary quartz flake, one piece of Swan River chert shatter, and one scraper composed of Swan River chert. Close-interval pedestrian survey uncovered no additional cultural materials.

One shovel test was placed at the location of the isolated find to determine the presence or absence of additional cultural materials or features, and to assess subsurface integrity. Shovel test 1 exhibited a very dark grayish brown (10YR 3/2) silty clay plow zone that was present to a depth of 10 cmbs where a yellowish brown (10YR 5/4) clay loam with very dark grayish brown (10YR 3/2) banding (plow scars) horizon was reached that was present to a depth of 17 cmbs. Below the plow scars, the subsoil of yellowish brown (10YR 5/4) silt loam with small gravel was reached. The shovel test was excavated to a depth of 30 cmbs. No cultural materials or features were encountered in the shovel test.

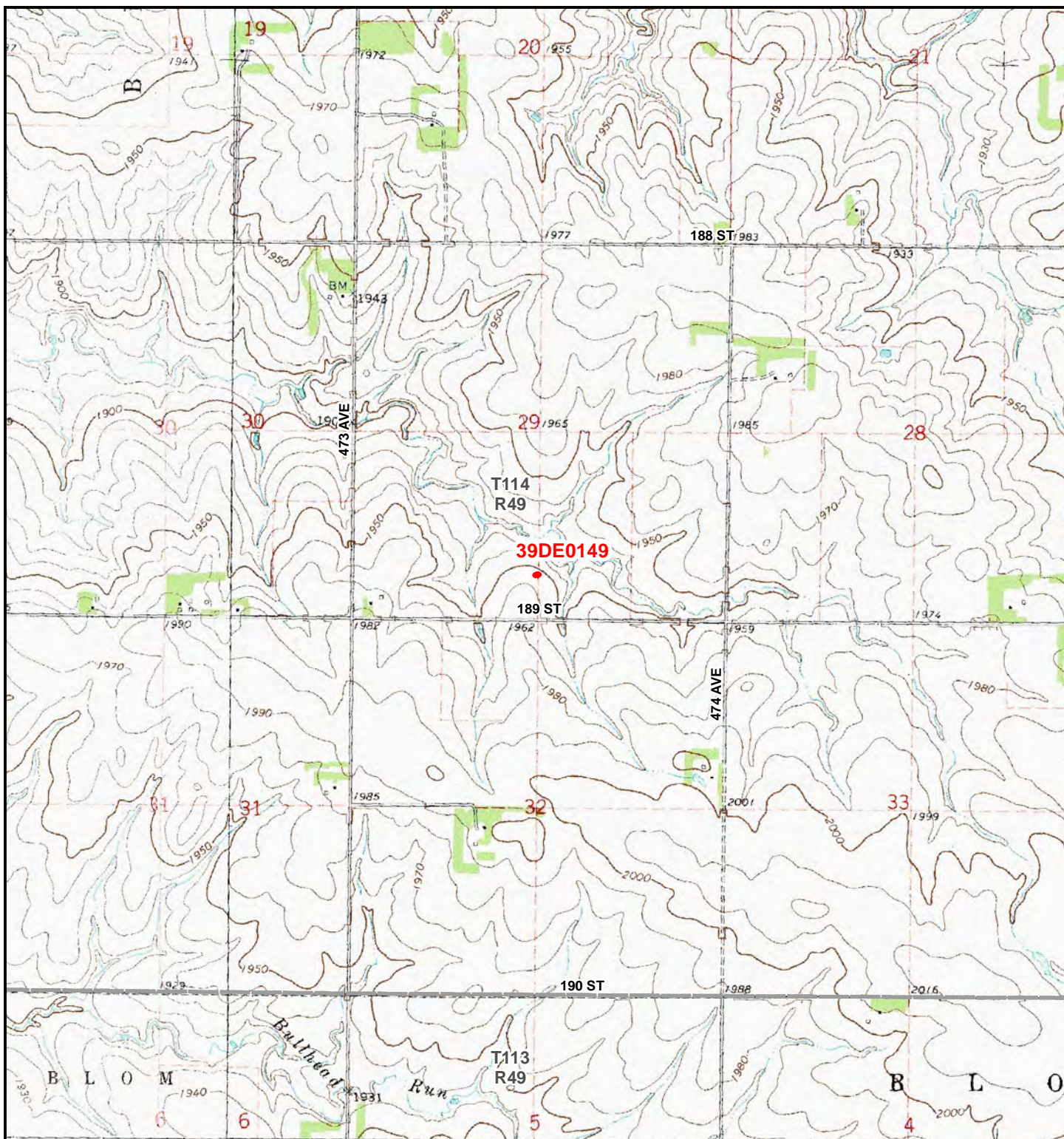
Summary and Recommendations

Site 39DE0149 is a Native American isolated find located in a cultivated agricultural field. No temporally or culturally diagnostic artifacts were observed. Shovel testing at the location revealed no cultural materials or features. The site exhibited no subsurface integrity because of intensive cultivation. Because isolated finds in South Dakota are by definition not eligible for listing on the NRHP, site 39DE0149 is recommended not eligible for listing on the NRHP under any criteria.

**SD State Archaeological Research Center
Site No. 39DE0149
Continuation Sheet**

Figure 1. Site 39DE0149 overview, view to the north

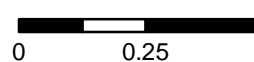


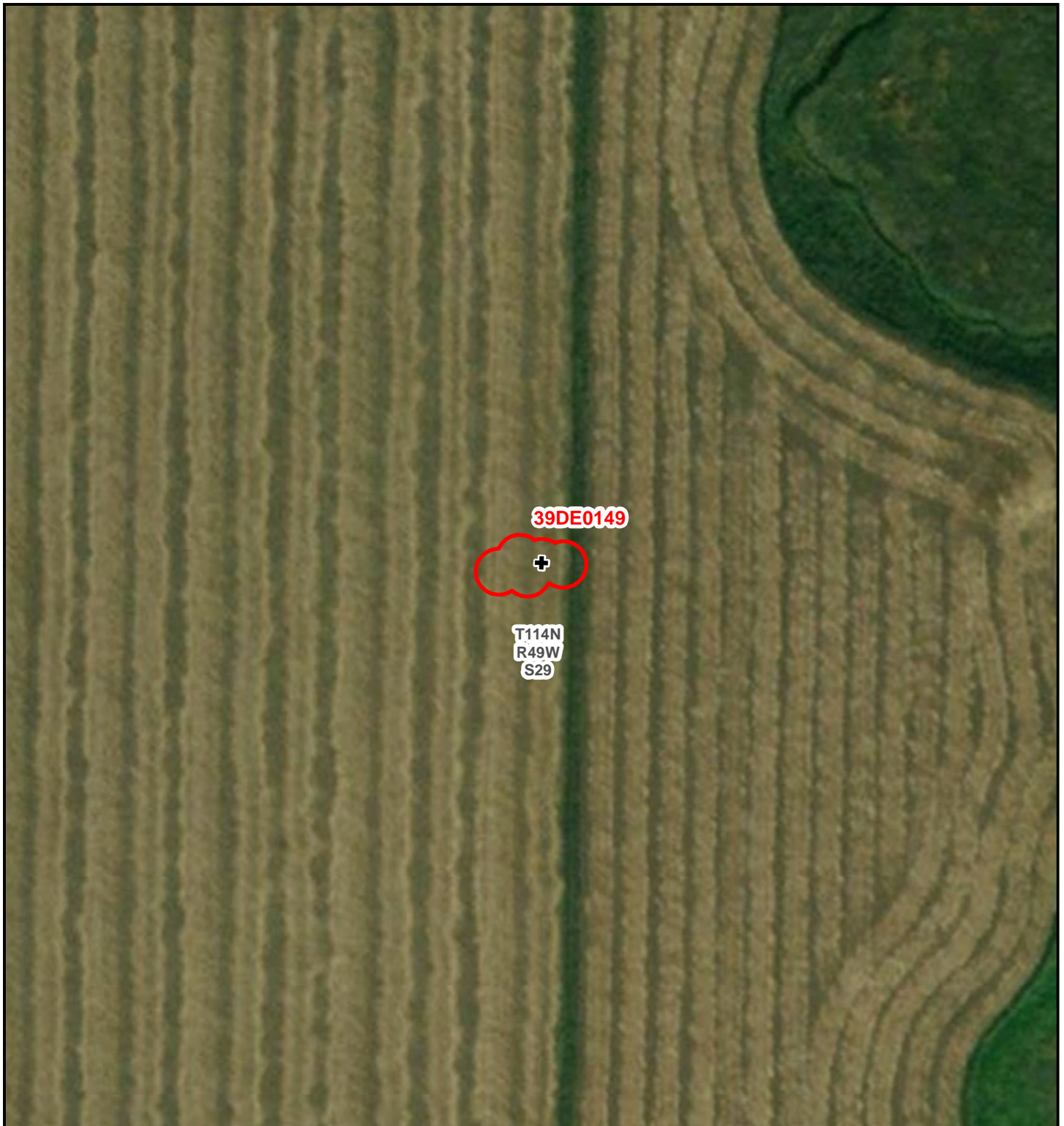


Site 39DE0149
Deuel County, South Dakota

 Site Boundary



 Miles
0 0.25 0.5



Site 39DE0149
Deuel County, South Dakota

- + Negative Shovel Test
- Site Boundary



0 50 100 Feet

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0150

County Deuel Site Name Other No HDR-007A

NR Status recom. Unevaluated SHPO Determination

NR District

Map Reference Toronto Owner Private

Arch. Region Upper Big Sioux Topo pos Ridge Slope

Vegetation Cropland Substrate Loess Land Use Cultivated

UTM centroid: coord. system NAD 1983 zone 14N / 683003 E/ 4939984 N

Surf. visibility 50 % Site elevation 594 m Condition Disturbed

Site Dim. N-S 324 E-W 263 m Area 7.01 ha Depth 1 cm

Nearest Water Type Intermittent Stream Name Unnamed

Distance 80 m Elevation 582 m Direction NE Bank L

LOCATIONS

Legal Locations	Section	Twp	Rg
NE-SW, SE-SW, SW-SE	15	113N	49W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Artifact Scatter	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

See attached continuation sheet.

Evaluation/collection methods

Pedestrian survey only. No shovel testing. No collection.

Owner name/address/attitude

Name Dylan Eigenberger Date 6/1/2019

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0150
Continuation Sheet

Comments/Site Description:

Site 39DE0150 is a Native American lithic scatter located in the NE 1/4, SW 1/4, the SE 1/4, SW 1/4, and the SW 1/4, SE 1/4 of Section 15, Township 113N, Range 49W. The lithic scatter is located on a rise in a general upland setting with good views of the surrounding landscape. An unnamed intermittent stream is located 80 meters to the north. Ground coverage at the time of investigation consisted of a planted corn field with 50 percent GSV.

The lithic scatter consisted of 76 observed artifacts and included 68 pieces of lithic debitage, two lithic tools (both scrapers), two cores, and four tested cobbles. The lithic raw material of the majority of the artifacts was Swan River chert. Non-local raw material Knife River flint was also observed. A variety of other unidentified chert types, likely from locally derived glacial till, made up the remainder of the observed raw material types. Close-interval pedestrian survey around the artifacts was used to delineate the site boundary. No temporally or culturally diagnostic artifacts were observed.

Summary and Recommendations

Site 39DE0150 is a Native American lithic scatter located in a cultivated agricultural field. The site was defined based on pedestrian survey. No further investigations were undertaken as part of this survey. As such, site 39DE0150 remains unevaluated for NRHP eligibility.

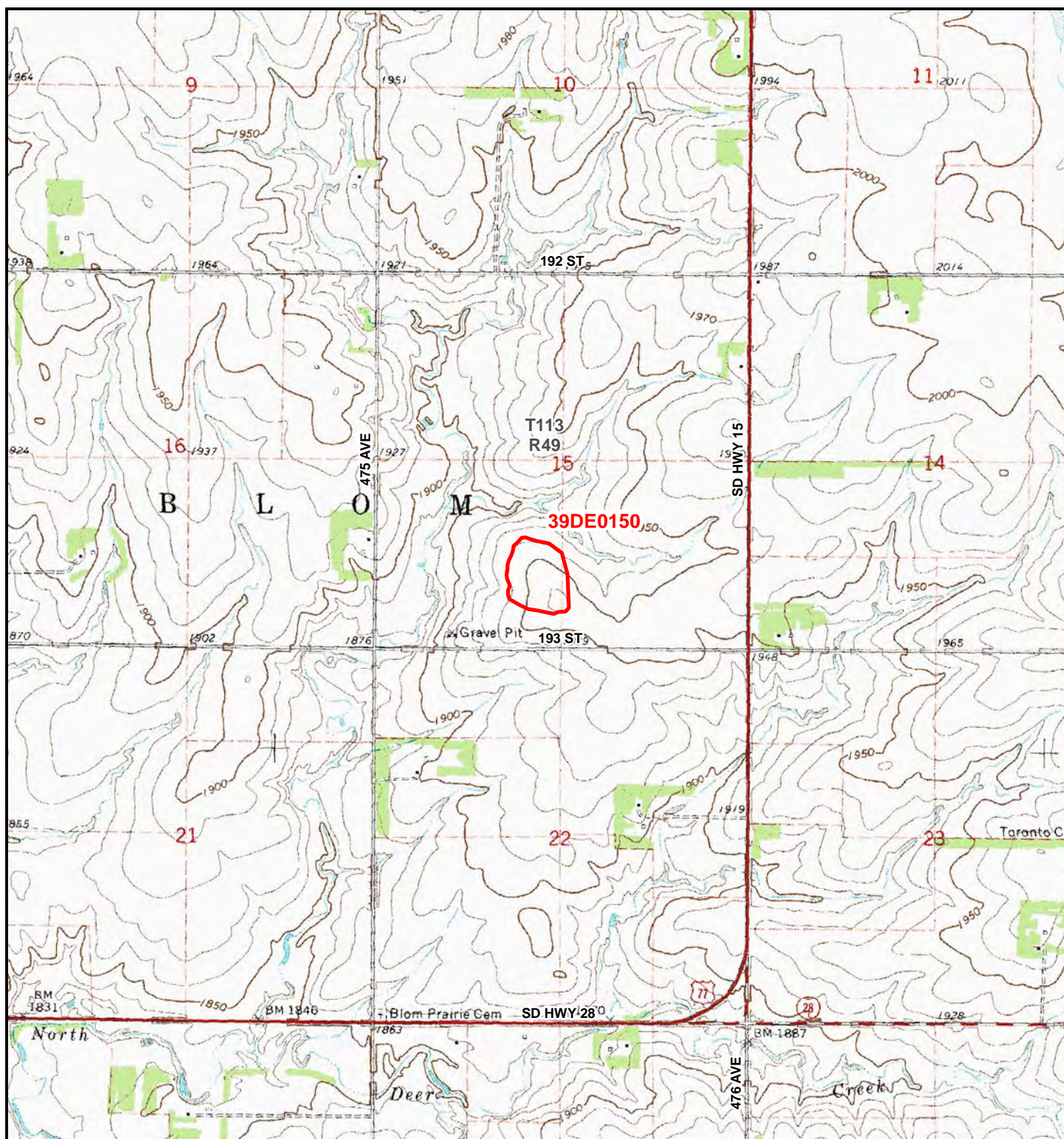
**SD State Archaeological Research Center
Site No. 39DE0150
Continuation Sheet**

Figure 1. Site 39DE0150 overview, view to the north



Figure 2. Site 39DE0150 overview, view to the south





Site 39DE0150
Deuel County, South Dakota


 Site Boundary




A horizontal scale bar with a black background and a white rectangular segment in the middle. Below the bar, the numbers 0, 0.25, and 0.5 are printed. To the right of the bar, the word "Miles" is printed.



Site 39DE0150
Deuel County, South Dakota

 Site Boundary



 Feet
0 200 400

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0151

County Deuel Site Name Other No HDR-001B

NR Status recom. Unevaluated SHPO Determination

NR District

Map Reference Toronto Owner Private

Arch. Region Upper Big Sioux Topo pos Rolling Plain

Vegetation Cropland Substrate Loess Land Use Cultivated

UTM centroid: coord. system NAD 1983 zone 14 / 685143 E/ 4942946 N

Surf. visibility 90 % Site elevation 613 m Condition Disturbed

Site Dim. N-S 78 E-W 26 m Area 0.17 ha Depth 1 cm

Nearest Water Type Intermittent Stream Name Unnamed

Distance 300 m Elevation 610 m Direction SW Bank L

LOCATIONS

Legal Locations	Section	Twp	Rg
NW-NE-NE	11	113N	49W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Artifact Scatter	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

See attached continuation sheet.

Evaluation/collection methods

Pedestrian survey only. No subsurface testing. No collection.

Owner name/address/attitude

Name Dylan Eigenberger Date 6/4/2019

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0151
Continuation Sheet

Comments/Site Description:

Site 39DE0151 is a Native American lithic scatter located in the NW 1/4, NE 1/4, NE 1/4 of Section 11, Township 113N, Range 49W. The lithic scatter is located on a mostly flat plain in a general upland setting. An unnamed intermittent stream is located 300 meters to the southwest. Ground coverage at the time of investigation consisted of a planted corn field with 90 percent GSV.

The lithic scatter consisted of 19 observed artifacts and included 16 pieces of lithic debitage, two tools (including a side scraper and a biface), and one core. The lithic raw material of the majority of the artifacts was Swan River chert. The other raw material types observed are likely from locally derived glacial till. Close-interval pedestrian survey around the artifacts was used to delineate the site boundary. No temporally or culturally diagnostic artifacts were observed.

Summary and Recommendations

Site 39DE0151 is a Native American lithic scatter located in a cultivated agricultural field. The site was defined based on pedestrian survey. No further investigations were undertaken as part of this survey. As such, site 39DE0151 remains unevaluated for NRHP eligibility.

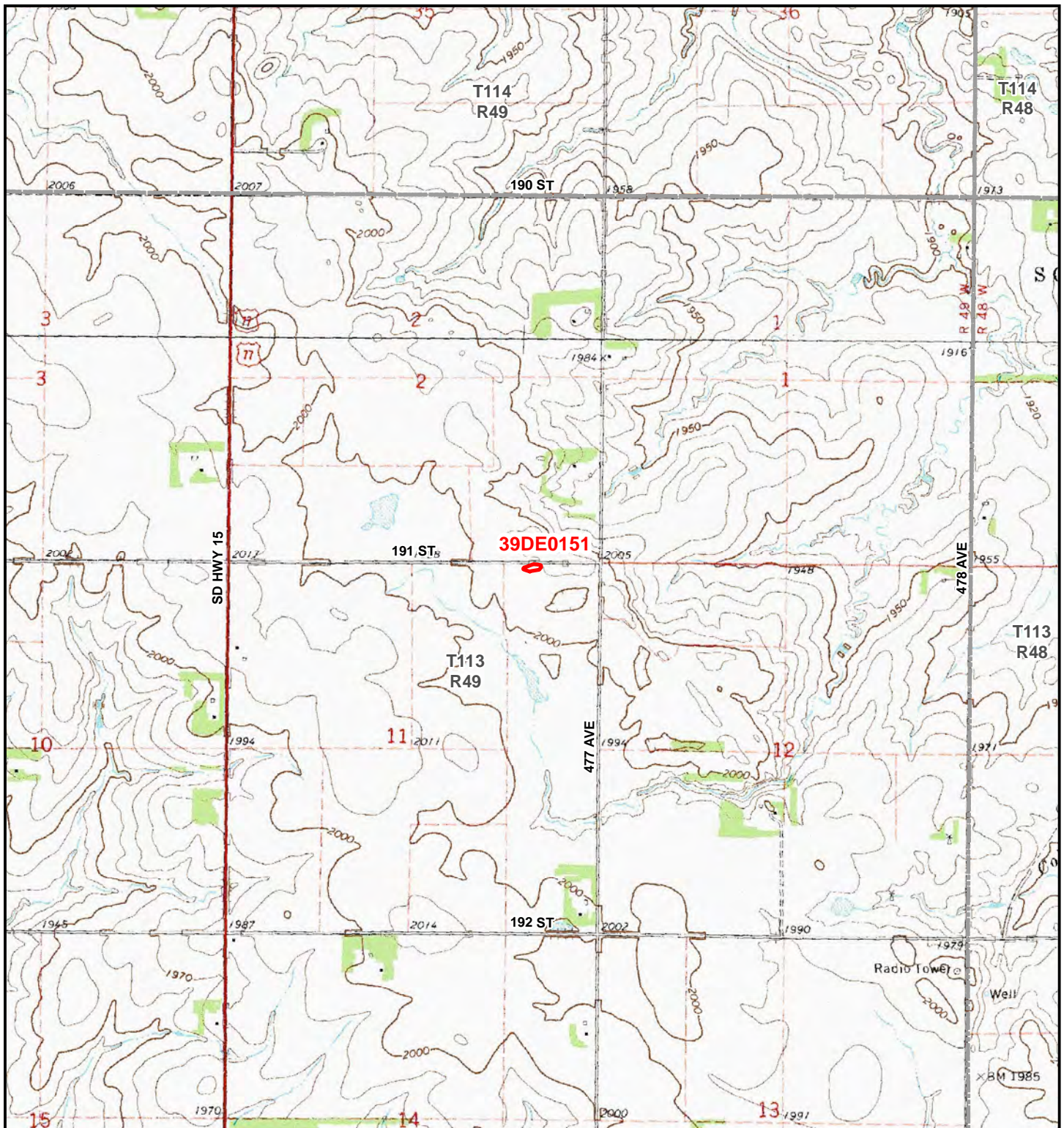
**SD State Archaeological Research Center
Site No. 39DE0151
Continuation Sheet**

Figure 1. Site 39DE0151 overview, view to the east



Figure 2. Site 39DE0151 overview, view to the west

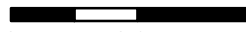


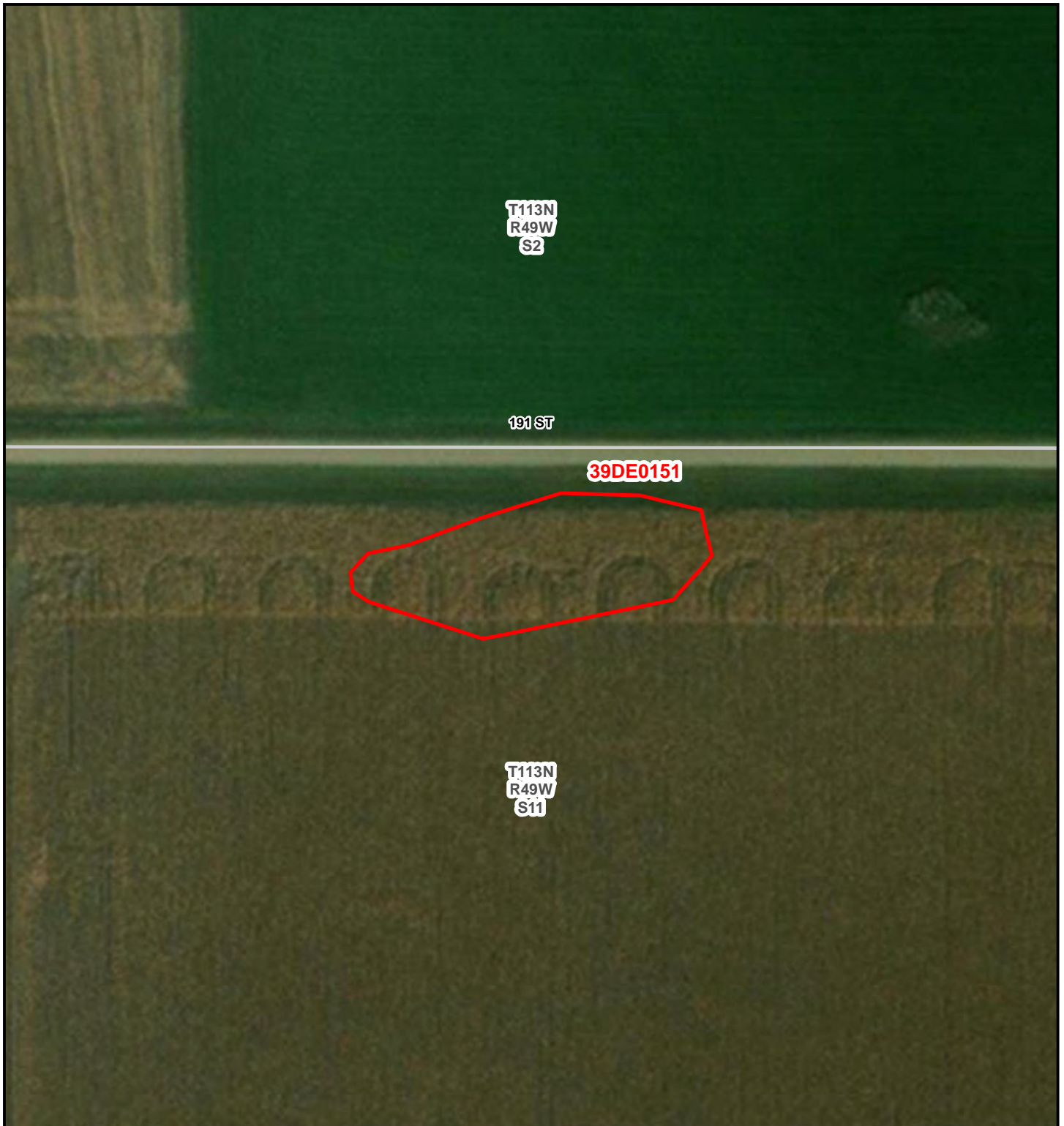


Site 39DE0151
Deuel County, South Dakota


 Site Boundary



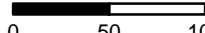
 Miles
0 0.25 0.5



Site 39DE0151
Deuel County, South Dakota

 Site Boundary



 Feet
0 50 100

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0049

County	Deuel	Site Name		Other No	
NR Status recom.	Unevaluated	SHPO Determination			
NR District					
Map Reference	Toronto	Owner	Private		
Arch. Region	Upper Big Sioux	Topo pos	Rolling Plain		
Vegetation	Cropland	Substrate	Drift	Land Use	Cultivated
UTM centroid:	coord. system	NAD 1983	zone	14	/ 687452 E/ 4942622 N
Surf. visibility	80	%	Site elevation	469	m Condition Disturbed
Site Dim. N-S	805	E-W	805	m	Area 65.10 ha Depth 1 cm
Nearest Water Type	Intermittent Stream		Name	Cobb Creek	
Distance	406	m	Elevation	565	m Direction E Bank W

LOCATIONS

Legal Locations	Section	Twp	Rg
NW	7	113N	48W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Artifact Scatter	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

Updated using GIS data: UTM's, Dimensions, Nearest Water // See continuation sheet.

Evaluation/collection methods

Pedestrian survey only. No shovel testing. No collection.

Owner name/address/attitude

Name Dylan Eigenberger Date 5/15/2019

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

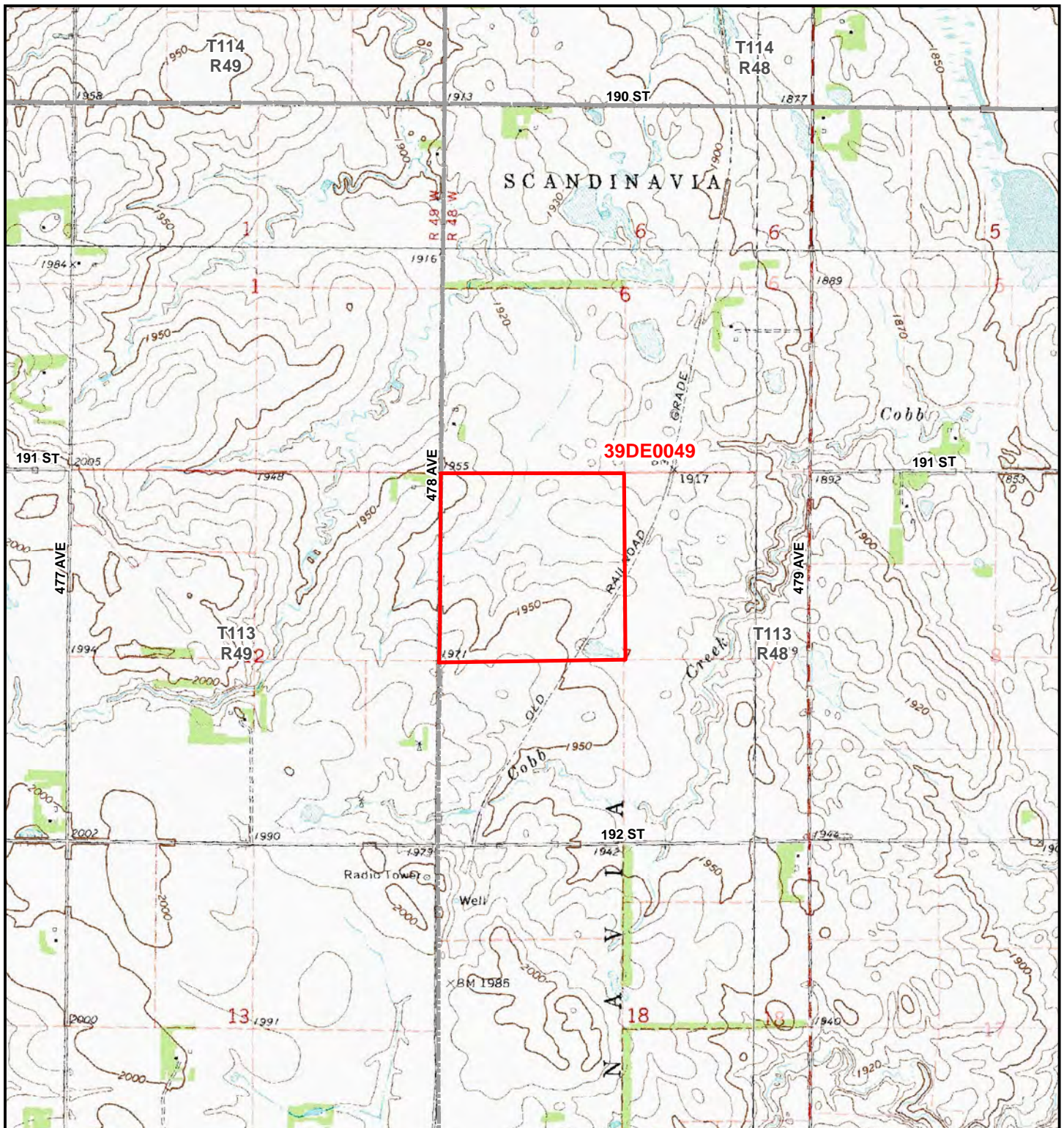
SD State Archaeological Research Center
Site No. 39DE0049 UPDATE
Continuation Sheet

Comments/Site Description:

The boundary for site 39DE0049 encompasses the whole NW 1/4 of Section 7, Township 113N, Range 48W. Ground coverage within they surveyed portion of this quarter section during the current investigation consisted of an agricultural field with 80 percent GSV. Pedestrian survey during the current investigation did not reveal any cultural materials.

Summary and Recommendations

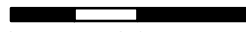
Site 39DE0049 is a Native American lithic scatter located at an indeterminate location within the NW 1/4 of Section 7, Township 113N, Range 48W. Pedestrian survey of within a portion of this quarter-section during the current investigation did not reveal any cultural materials. Site 39DE0049 remains unevaluated for NRHP eligibility.

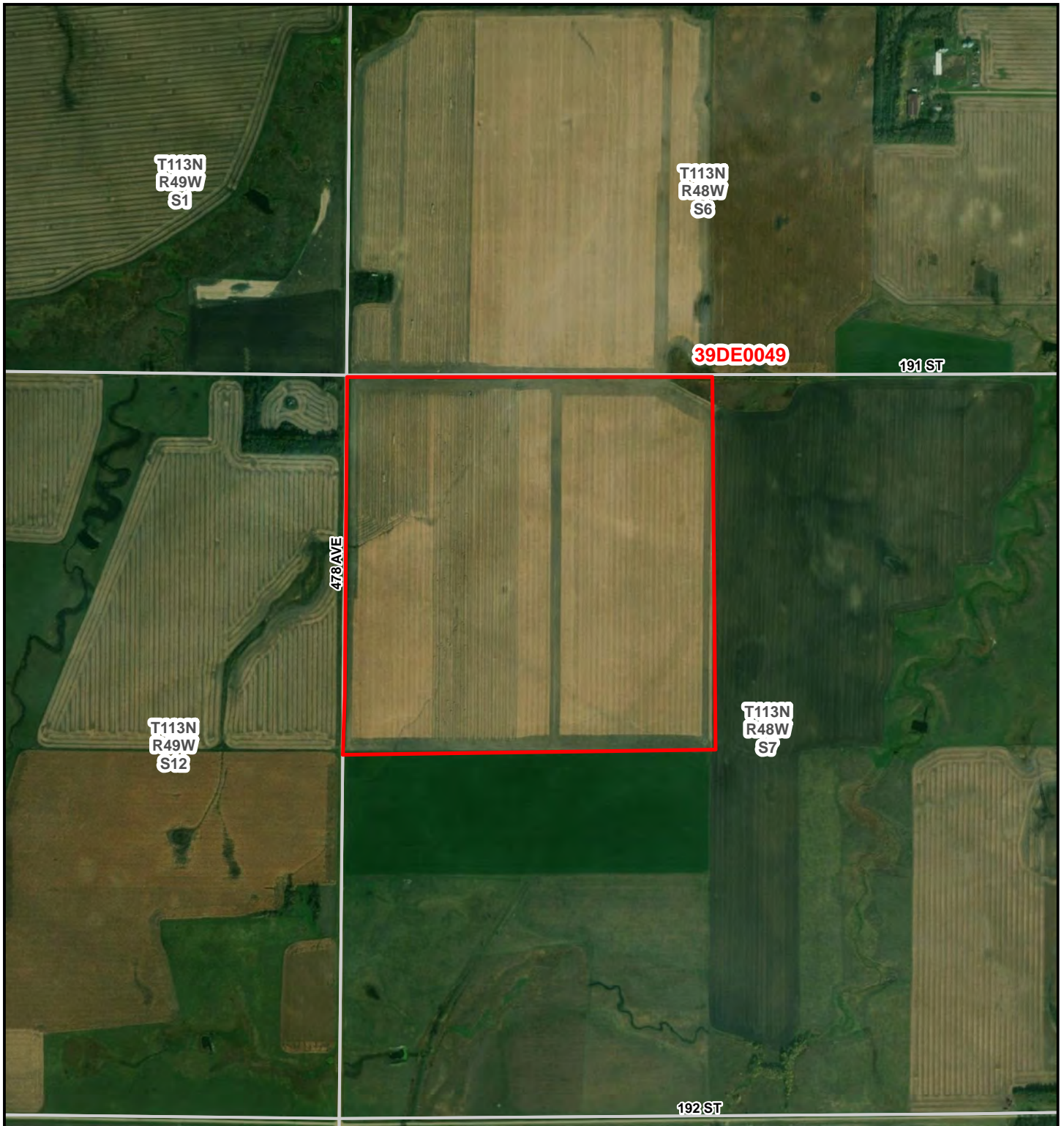


Site 39DE0049
Deuel County, South Dakota


 Site Boundary




 Miles
0 0.25 0.5



Site 39DE0049
Deuel County, South Dakota

 Site Boundary



 Feet
0 250 500 1,000

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0092

County Deuel Site Name Other No

NR Status recom. Unevaluated SHPO Determination

NR District

Map Reference Astoria Owner Private

Arch. Region Upper Big Sioux Topo pos Rolling Plains

Vegetation Cropland Substrate Loess Land Use Cultivated

UTM centroid: coord. system NAD 1983 zone 14N / 685868 E/ 4941072 N

Surf. visibility 50 % Site elevation 609 m Condition Disturbed

Site Dim. N-S 55 E-W 66 m Area 0.27 ha Depth 1 cm

Nearest Water Type Intermittent Stream Name Unnamed

Distance 767 m Elevation 606 m Direction NE Bank R

LOCATIONS

Legal Locations	Section	Twp	Rg
SE-NW-NW	20	113N	48W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Artifact Scatter	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

Updated using GIS data: UTM's, Dimensions, Nearest Water // See continuation sheet.

Evaluation/collection methods

Pedestrian survey only. No shovel testing . No collection.

Owner name/address/attitude

Name Dylan Eigenberger Date 10/30/2018

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0092 UPDATE
Continuation Sheet

Comments/Site Description:

Close-interval pedestrian survey of the site area was conducted as part of the current investigation in 2018. Ground coverage at the time of investigation consisted of a harvested soybean field with 50 to 75 percent GSV. No cultural materials were observed within the site area or within a 15-meter buffer around the site and no further testing was done.

Summary and Recommendations

Site 39DE0092 is a Native American lithic scatter located in a cultivated agricultural field. The site was defined based on pedestrian survey in 2010. No temporally or culturally diagnostic artifacts were observed at that time. No artifacts were observed during the current investigation in 2018. Further investigations were not conducted. Site 39DE0092 remains unevaluated for NRHP eligibility.

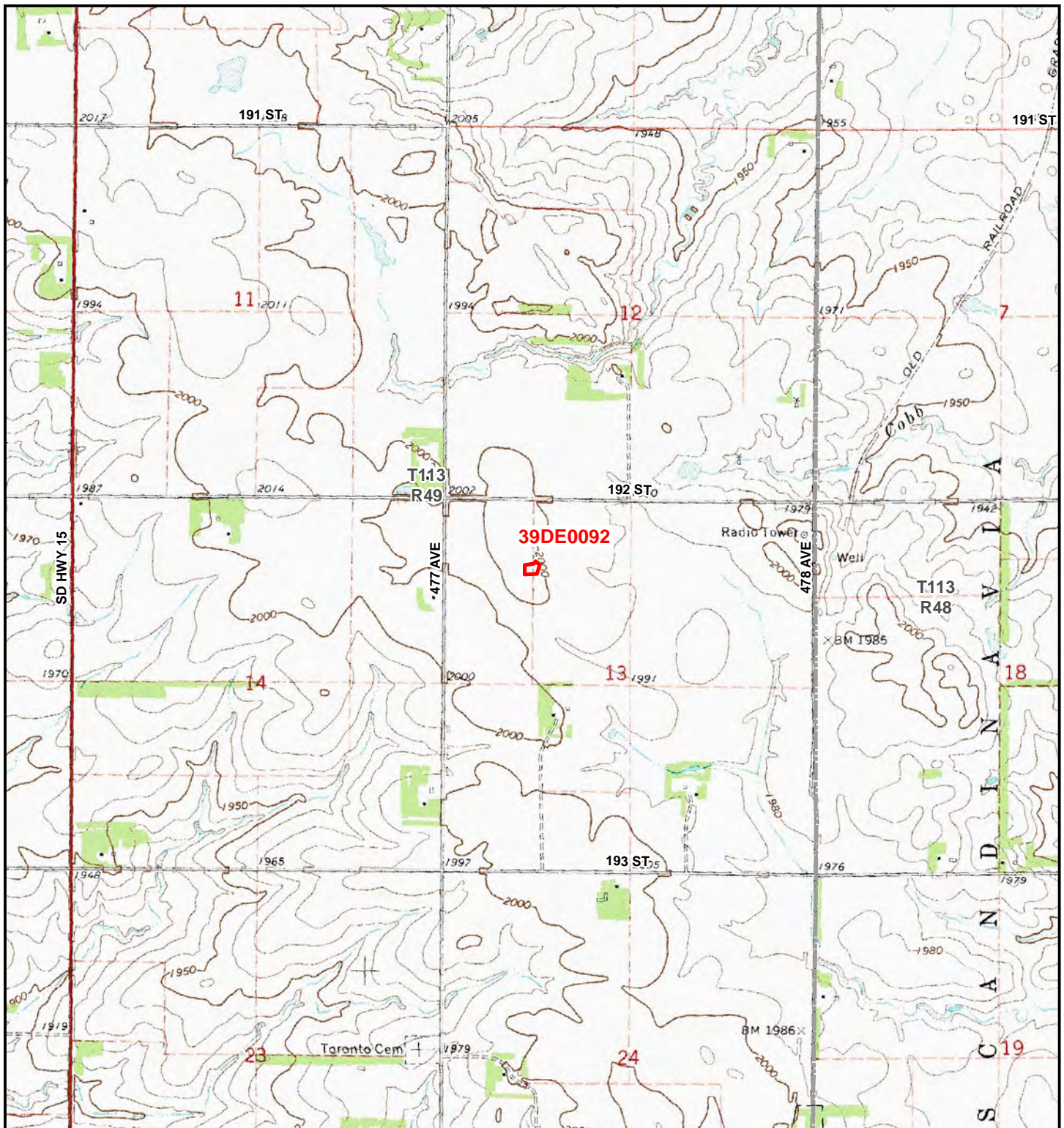
SD State Archaeological Research Center
Site No. 39DE0092 UPDATE
Continuation Sheet

Figure 1. Site 39DE0092 overview, view to the west



Figure 2. Site 39DE0092 overview, view to the southeast

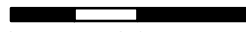




Site 39DE0092
Deuel County, South Dakota


 Site Boundary



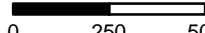
 Miles
0 0.25 0.5



Site 39DE0092
Deuel County, South Dakota

 Site Boundary



 Feet
0 250 500

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0097

County	Deuel	Site Name		Other No	HDR-001A
NR Status recom.	Unevaluated	SHPO Determination			
NR District					
Map Reference	Astoria	Owner	Private		
Arch. Region	Upper Big Sioux	Topo pos	Ridge Crest		
Vegetation	Cropland	Substrate	Loess	Land Use	Cultivated
UTM centroid:	coord. system	NAD 83	zone	14	/ 689590 E/ 4939188 N
Surf. visibility	60	%	Site elevation	597	m Condition Disturbed
Site Dim. N-S	120	E-W	74	m	Area 0.55 ha Depth 1 cm
Nearest Water Type	Intermittent Lake	Name	Unnamed		
Distance	280	m	Elevation	466	m Direction SE Bank L

LOCATIONS

Legal Locations	Section	Twp	Rg
SW-SW-NE, SE-SE-NW	20	113N	48W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Artifact Scatter	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

Site boundary expanded. See continuation sheet.

Evaluation/collection methods

Pedestrian survey only. No shovel testing. No collection

Owner name/address/attitude

Name Dylan Eigenberger Date 5/15/2019

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0097 UPDATE
Continuation Sheet

Comments/Site Description:

A lithic scatter was identified during the current survey while investigating an area on the same landform as 39DE0097 approximately 25 meters due south of previously recorded site 39DE0097. Ground coverage at the time of the investigation consisted of a corn field with 60 percent GSV. The lithic scatter consisted of approximately 37 artifacts including lithic debitage, cores, and two tools (both bifaces). Because of the close proximity of this lithic scatter to the lithic scatter identified by Florin in 2010, and based on their position on the same landform, it was determined that the new lithic scatter was a continuation of the 2010-identified lithic scatter and a site boundary was delineated to include both lithic scatters as one site.

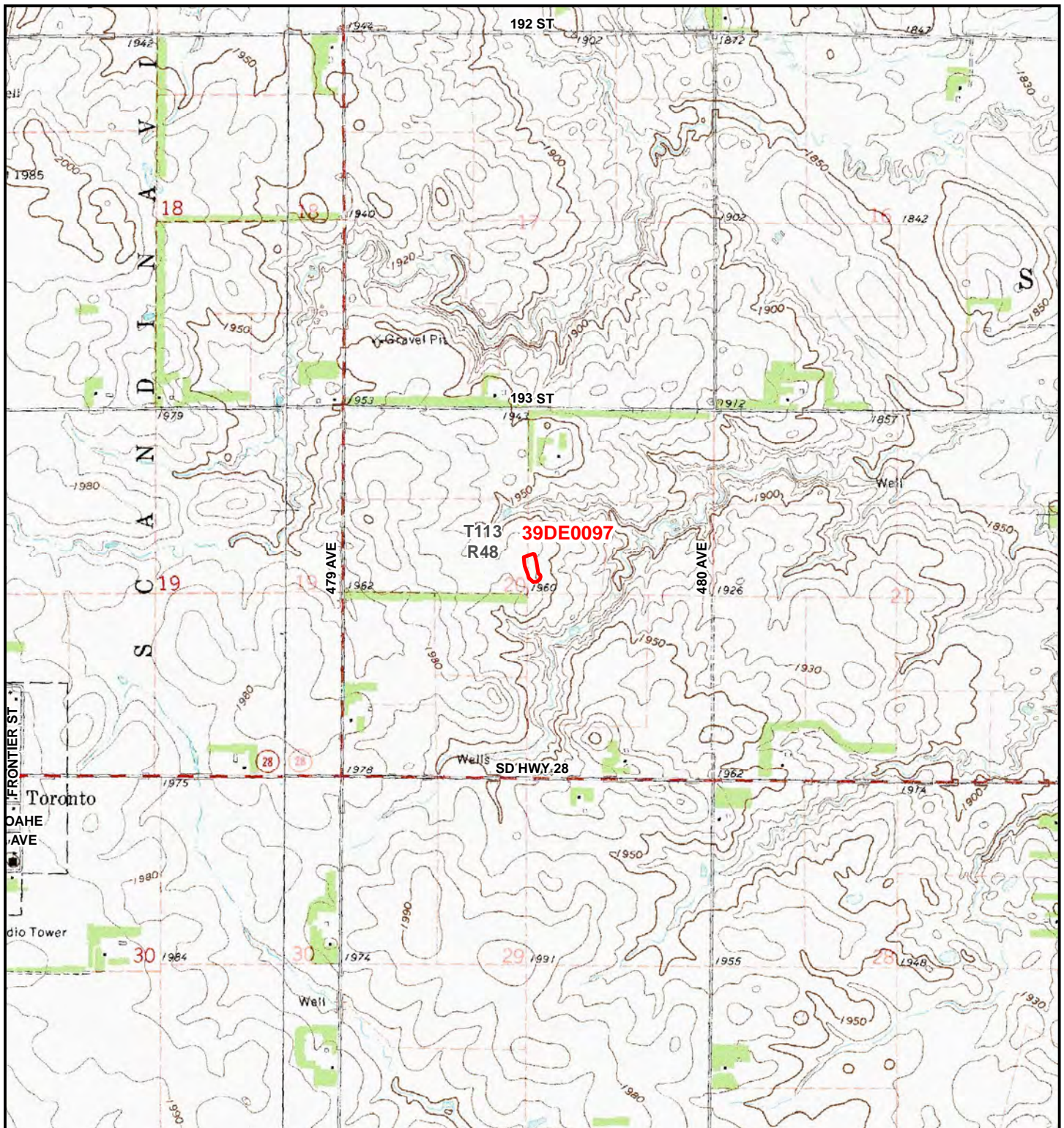
Summary and Recommendations

Site 39DE0097 is a Native American lithic scatter located in a cultivated agricultural field. The site was defined based on pedestrian survey over the course of two separate archaeological surveys conducted in 2010 and 2019 respectively. No further investigations were undertaken at the site as part of either survey. As such, site 39DE0097 remains unevaluated for NRHP eligibility.

SD State Archaeological Research Center
Site No. 39DE0097 **UPDATE**
Continuation Sheet

Figure 1. Site 39DE0097 overview, view to the east

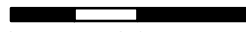




Site 39DE0097
Deuel County, South Dakota




 Site Boundary



 Miles
0 0.25 0.5



Site 39DE0097
Deuel County, South Dakota

-  HDR Site Boundary
-  Previous SDARC Site Boundary
-  Revised Site Boundary



0 100 200 Feet

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0101

County Deuel Site Name Other No

NR Status recom. Unevaluated SHPO Determination

NR District

Map Reference Astoria Owner Private

Arch. Region Upper Big Sioux Topo pos Ridge Crest

Vegetation Short Grass Substrate Loess Land Use Pasture

UTM centroid: coord. system NAD 1983 zone 14 / 688827 E/ 4939175 N

Surf. visibility 10 % Site elevation 600 m Condition Disturbed

Site Dim. N-S 45 E-W 46 m Area 0.16 ha Depth 1 cm

Nearest Water Type Intermittent Stream Name Unnamed

Distance 300 m Elevation 594 m Direction NW Bank R

LOCATIONS

Legal Locations	Section	Twp	Rg
SW-SW-NW	20	113N	48W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Stone Circle	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

Updated using GIS data: UTM's, Dimensions // See continuation sheet.

Evaluation/collection methods

Archaeological pedestrian survey only. No shovel testing.

Owner name/address/attitude

Name Dylan Eigenberger Date 10/30/2018

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0101 UPDATE
Continuation Sheet

Comments/Site Description:

Pedestrian survey of the site area was conducted as part of the current investigation in 2018. Ground coverage at the time of investigation consisted of cattle-grazed prairie. Well-sodded stones that formed a circle were observed, as well as multiple other well-sodded stones that may be interpreted as other features. No further testing was conducted at the site.

Summary and Recommendations

Site 39DE0101 is a Native American stone circle site located within a cattle-grazed prairie. The site was defined based on pedestrian survey in 2010. Well sodded stones that formed a circle along with multiple other well-sodded stones that may represent other features were observed within the site and in the surrounding prairie during the current investigation. This site has not been evaluated for NRHP eligibility.

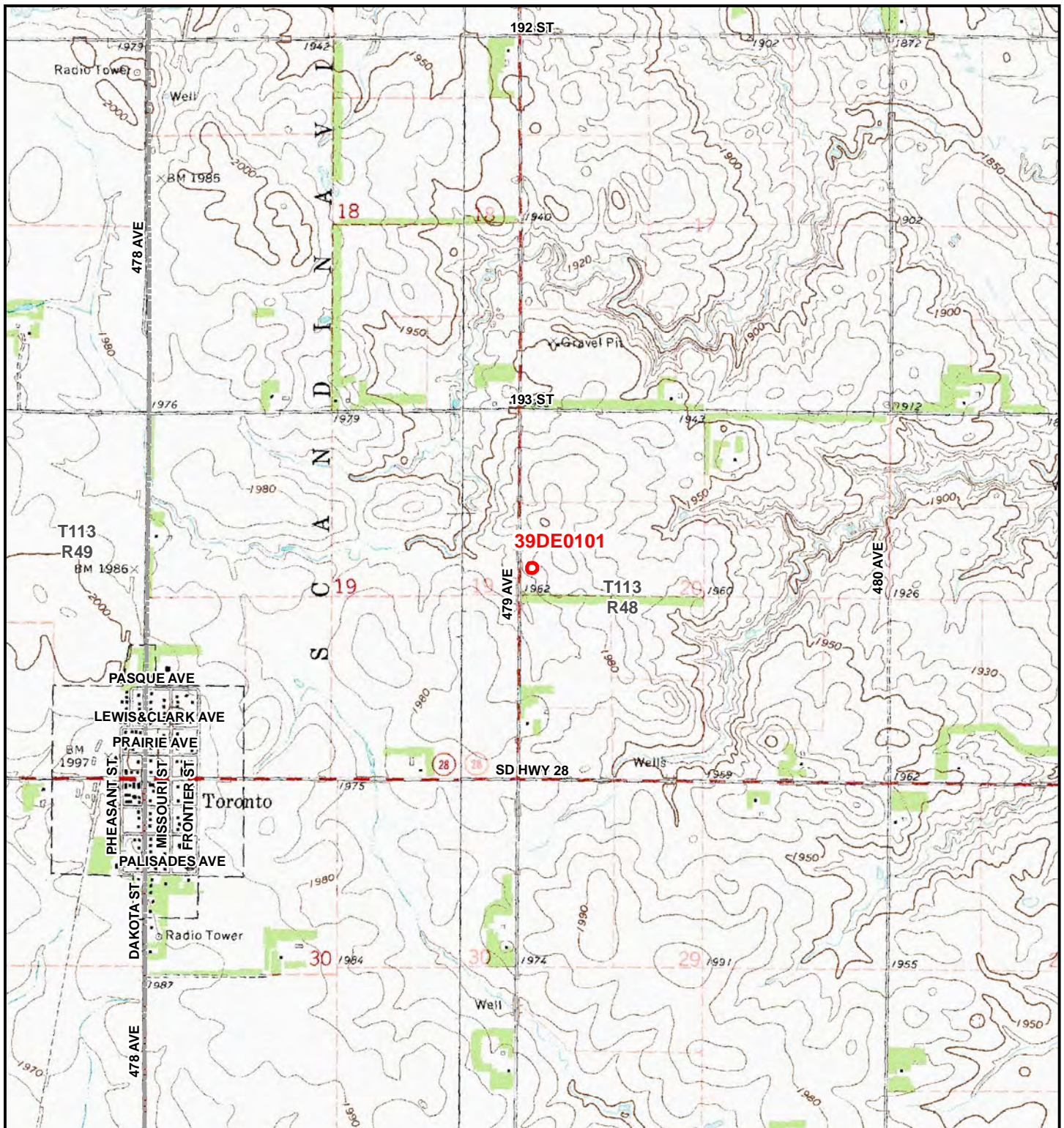
SD State Archaeological Research Center
Site No. 39DE0101 UPDATE
Continuation Sheet

Figure 1. Site 39DE0101 overview, view to the east



Figure 2. Site 39DE0101 overview, view to the west

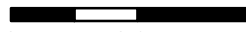




Site 39DE0101
Deuel County, South Dakota


 Site Boundary



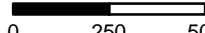
 Miles
0 0.25 0.5



Site 39DE0101
Deuel County, South Dakota

 Site Boundary



 Feet
0 250 500

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0102

County Deuel Site Name Other No

NR Status recom. Not Eligible SHPO Determination

NR District

Map Reference Astoria Owner Private

Arch. Region Upper Big Sioux Topo pos Ridge Crest

Vegetation Cropland Substrate Loess Land Use Cultivated

UTM centroid: coord. system NAD 1983 zone 14 / 690197 E/ 4940081 N

Surf. visibility 25 % Site elevation 588 m Condition Disturbed

Site Dim. N-S 42 E-W 42 m Area 0.10 ha Depth 1 cm

Nearest Water Type Intermittent Stream Name Unnamed

Distance 460 m Elevation 570 m Direction SE Bank R

LOCATIONS

Legal Locations	Section	Twp	Rg
SE-SE-SE	17	113N	48W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Isolated Find	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

Updated from GIS data: UTM's, Dimensions, Nearest Water // See continuation sheet.

Evaluation/collection methods

Pedestrian survey and shovel testing. No collection.

Owner name/address/attitude

Name Dylan Eigenberger Date 6/4/2019

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0102 UPDATE
Continuation Sheet

Comments/Site Description:

Close-interval pedestrian survey of the site area was conducted as part of the current investigation in 2018. Ground coverage at the time of investigation consisted of a harvested corn field with 25 percent GSV. No cultural materials were observed within the site area or within a 15-meter buffer around the site.

During investigations in 2019, one shovel test was placed within the site area to determine the presence or absence of additional cultural materials or features and to assess subsurface integrity. Shovel test 1 exhibited a very dark brown (10YR 2/2) clay loam plow zone that was present to a depth of 28 cmbs where the dark brown (10YR 3/3) clay subsoil was reached. The shovel test was excavated to a depth of 48 cmbs. No cultural materials or features were encountered in the shovel test.

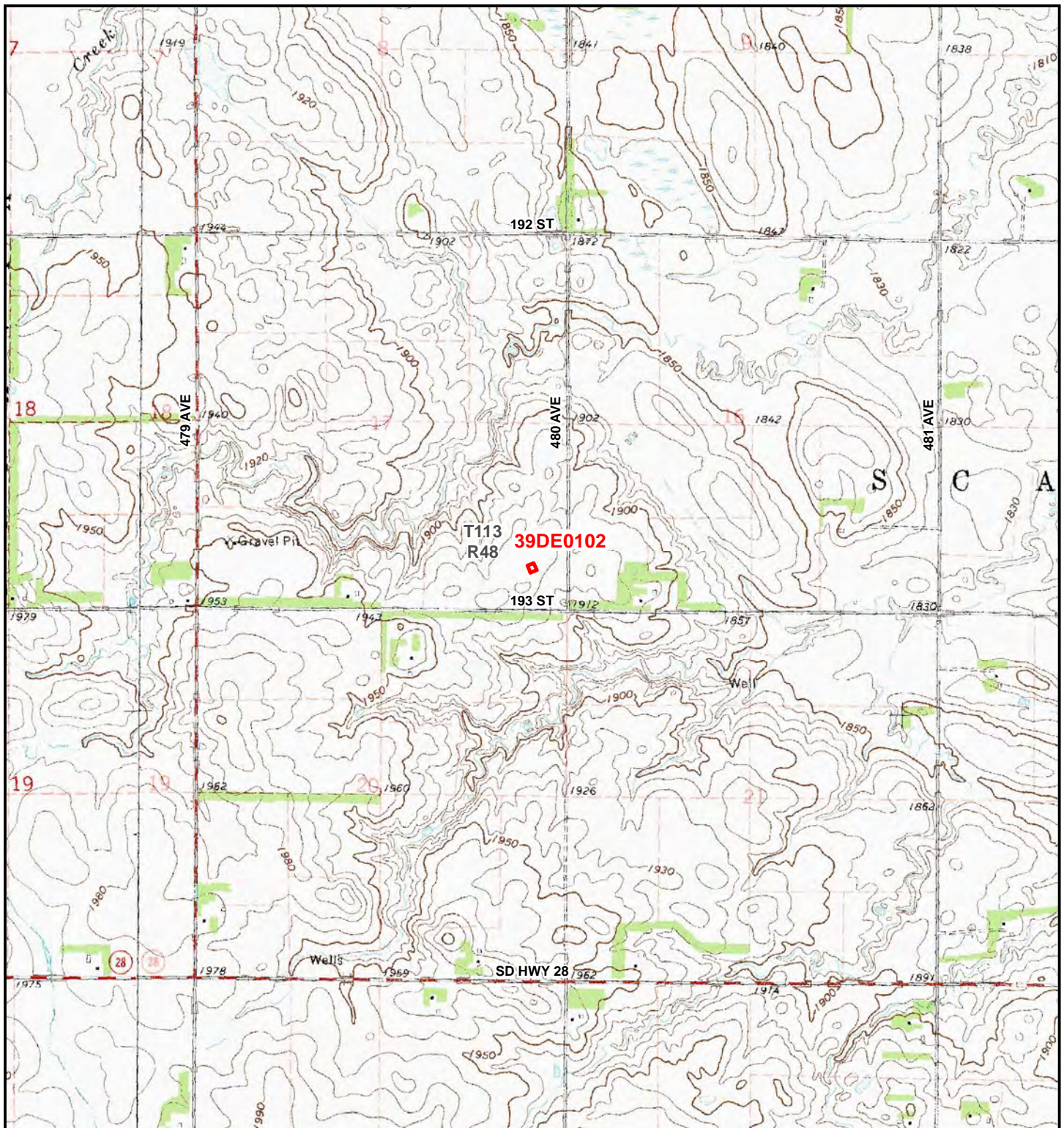
Summary and Recommendations

Site 39DE0102 is a Native American lithic scatter located in a cultivated agricultural field. The site was defined based on pedestrian survey in 2010. No temporally or culturally diagnostic artifacts were observed at that time. No artifacts were observed during the current investigation in 2018. Shovel testing at the site location in 2019 revealed no cultural materials or features. The site also exhibited no subsurface integrity because of intensive cultivation. Based on the small number of artifacts found and the lack of subsurface integrity, site 39DE0102 can be considered an isolated find. Because isolated finds in South Dakota are by definition not eligible for listing on the NRHP, site 39DE0102 is recommended not eligible for listing on the NRHP under any criteria.

SD State Archaeological Research Center
Site No. 39DE0102 **UPDATE**
Continuation Sheet

Figure 1. Site 39DE0102 overview, view to the east

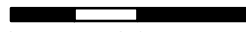




Site 39DE0102
Deuel County, South Dakota

 Site Boundary



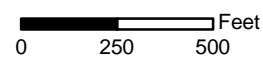
 Miles
0 0.25 0.5



Site 39DE0102
Deuel County, South Dakota

 Site Boundary



 Feet
0 250 500

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0107

County	Deuel	Site Name		Other No	
NR Status recom.	Not Eligible	SHPO Determination			
NR District					
Map Reference	Astoria	Owner	Private		
Arch. Region	Upper Big Sioux	Topo pos	Ridge Crest		
Vegetation	Cropland	Substrate	Loess	Land Use	Cultivated
UTM centroid:	coord. system	NAD 1983	zone	14	/ 690102 E/ 4940072 N
Surf. visibility	65	%	Site elevation	588	m Condition Disturbed
Site Dim. N-S	43	E-W	42	m	Area 0.05 ha Depth 1 cm
Nearest Water Type	Intermittent Stream		Name	Unnamed	
Distance	375	m	Elevation	570	m Direction NW Bank R

LOCATIONS

Legal Locations	Section	Twp	Rg
SE-SE-SE	17	113N	48W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Artifact Scatter	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

Updated from GIS data: UTM's, Dimensions // See continuation sheet.

Evaluation/collection methods

Pedestrian survey and shovel testing. No collection.

Owner name/address/attitude

Name Dylan Eigenberger Date 6/4/2019

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0107 UPDATE
Continuation Sheet

Comments/Site Description:

Close-interval pedestrian survey of the site area was conducted as part of the current investigation in 2018. Ground coverage at the time of investigation consisted of a harvested corn field with 25 percent GSV. No cultural materials were observed within the site area or within a 15-meter buffer around the site.

During investigations in 2019, one shovel test was placed within the site area to determine the presence or absence of additional cultural materials or features and to assess subsurface integrity. Shovel test 1 exhibited a very dark brown (10YR 2/2) clay loam plow zone that was present to a depth of 23 cmbs where a very dark brown (10YR 2/2) clay loam mottled with dark brown (10YR 3/3) clay loam horizon was reached. This horizon was present to 40 cmbs where the dark brown (10YR 3/3) clay subsoil was reached. The shovel test was excavated to a depth of 53 cmbs. No cultural materials or features were encountered in the shovel test.

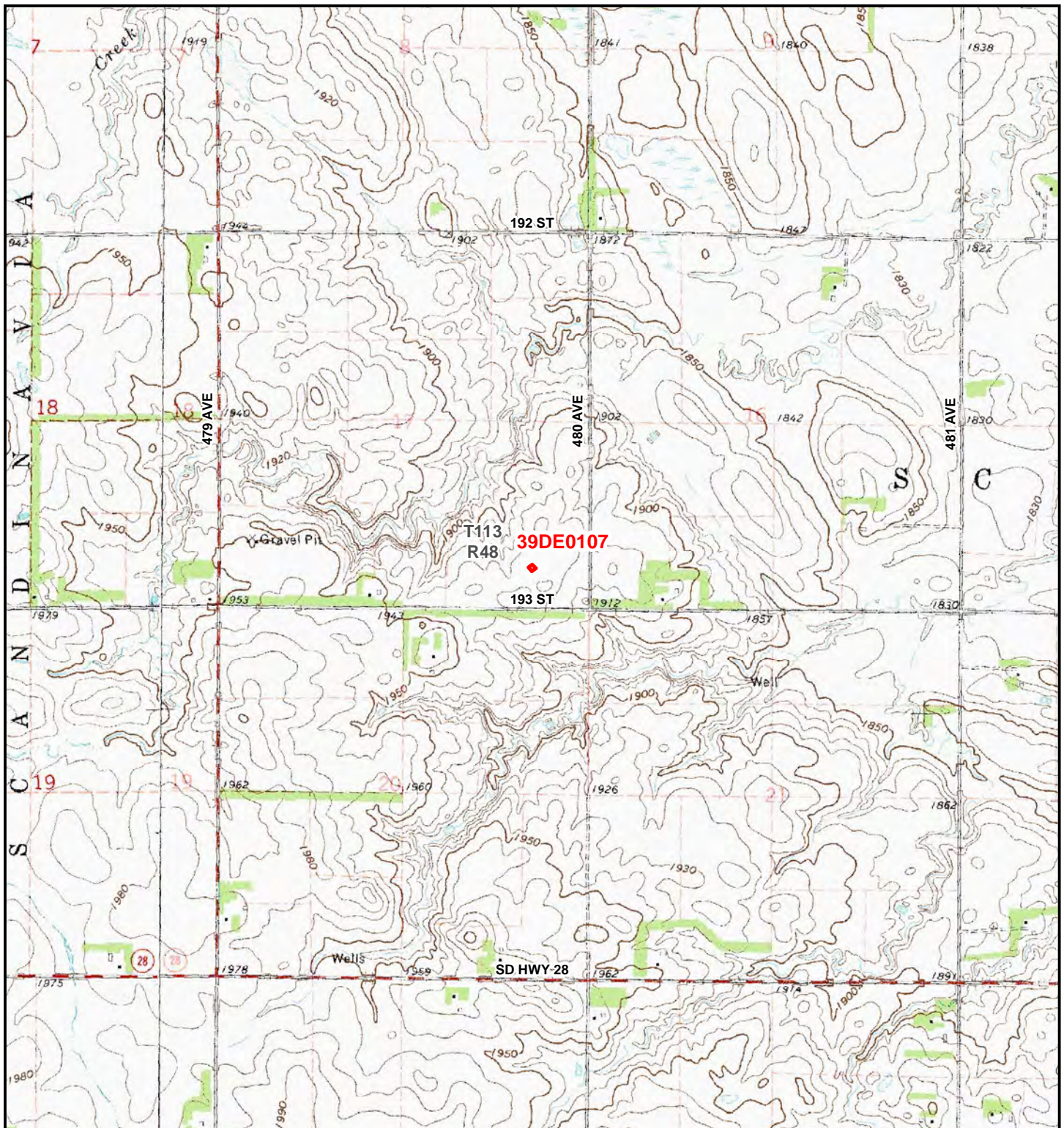
Summary and Recommendations

Site 39DE0107 is a Native American lithic scatter located in a cultivated agricultural field. The site was defined based on pedestrian survey in 2010. No temporally or culturally diagnostic artifacts were observed at that time. No artifacts were observed during the current investigation in 2018. Shovel testing at the site location in 2019 revealed no cultural materials or features. The site exhibited no subsurface integrity because of intensive cultivation. Based on the small number of artifacts found and the lack of subsurface integrity, site 39DE0107 can be considered an isolated find. Because isolated finds in South Dakota are by definition not eligible for listing on the NRHP, site 39DE0107 is recommended as not eligible for listing on the NRHP under any criteria.

SD State Archaeological Research Center
Site No. 39DE0107 UPDATE
Continuation Sheet

Figure 1. Site 39DE0107 overview, view to the northwest

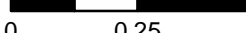




Site 39DE0107
Deuel County, South Dakota


 Site Boundary



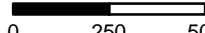
 Miles
0 0.25 0.5



Site 39DE0107
Deuel County, South Dakota

 Site Boundary



 Feet
0 250 500

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0108

County	Deuel	Site Name		Other No	
NR Status recom.	Unevaluated	SHPO Determination			
NR District					
Map Reference	Toronto	Owner	Private		
Arch. Region	Upper Big Sioux	Topo pos	Valley Slope		
Vegetation	Cropland	Substrate	Loess	Land Use	Cultivated
UTM centroid:	coord. system	NAD 1983	zone	14	/ 688033 E/ 4941055 N
Surf. visibility	50	%	Site elevation	600	m Condition Disturbed
Site Dim. N-S	110	E-W	64	m	Area 0.86 ha Depth 1 cm
Nearest Water Type	Intermittent Stream		Name	Unnamed	
Distance	35	m	Elevation	597	m Direction W Bank R

LOCATIONS

Legal Locations	Section	Twp	Rg
SW-NW-NE, NW-SW-NE	18	113N	48W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Artifact Scatter	Unknown	Native American

COMMENTS

Comments/site description (i.e. artifacts/features observed)

Updated from GIS data: UTM's, Area // See continuation sheet.

Evaluation/collection methods

Pedestrian survey only. No shovel testing . No collection.

Owner name/address/attitude

Name Dylan Eigenberger Date 11/1/2018

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0108 UPDATE
Continuation Sheet

Comments/Site Description:

Close-interval pedestrian survey of the site area was conducted as part of the current investigation in 2018. Ground coverage at the time of investigation consisted of a planted corn field with 25 to 50 percent GSV. No cultural materials were observed within the site area and no further testing was done.

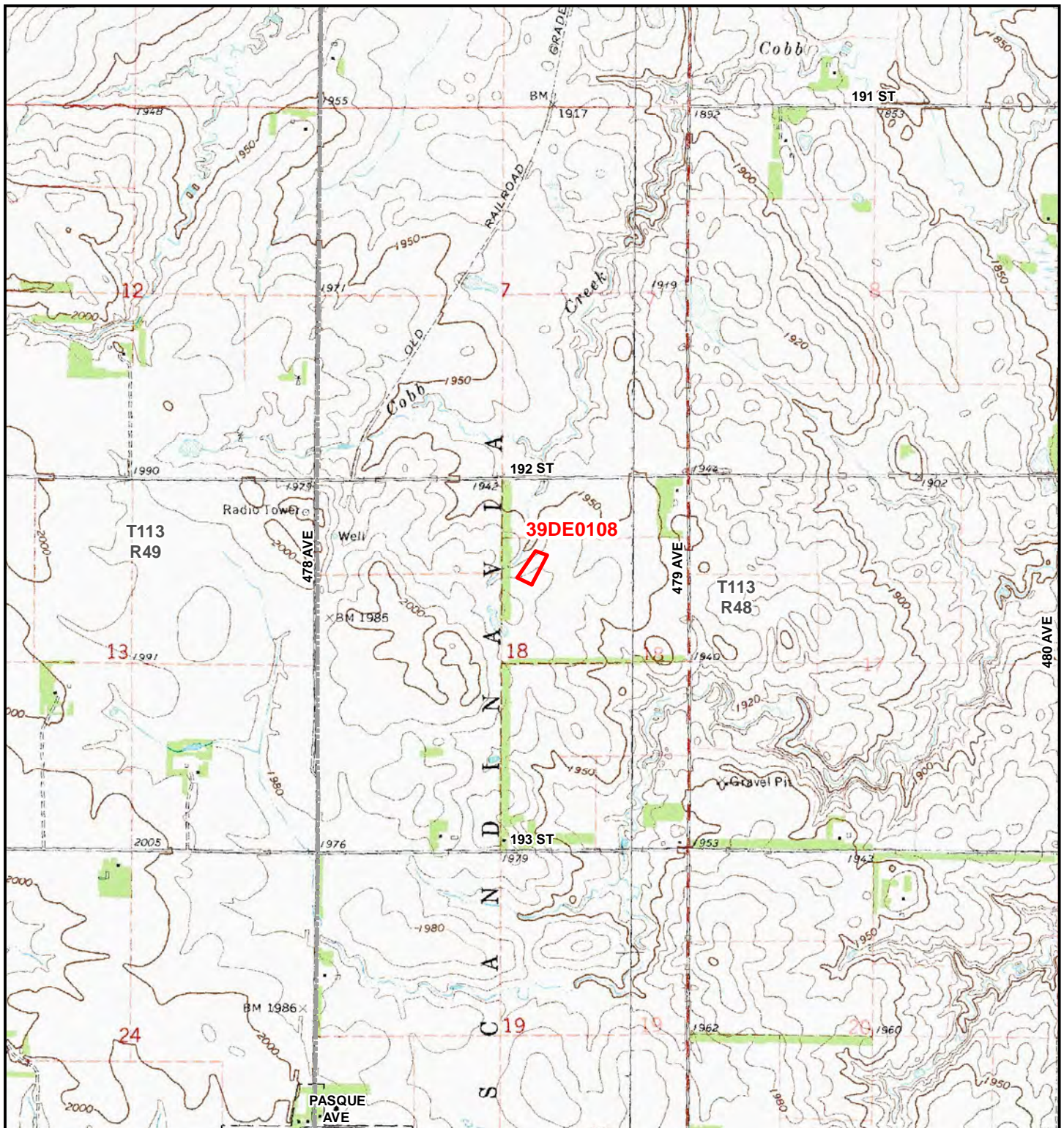
Summary and Recommendations

Site 39DE0108 is a Native American lithic scatter located in a cultivated agricultural field. The site was defined based on pedestrian survey in 2010. No temporally or culturally diagnostic artifacts were observed at that time. No artifacts were observed during the current investigation in 2018. Further investigations were not conducted. Site 39DE0108 remains unevaluated for NRHP eligibility.

SD State Archaeological Research Center
Site No. 39DE0108 UPDATE
Continuation Sheet

Figure 1. Site 39DE0108 overview, view to the southwest

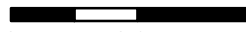




Site 39DE0108
Deuel County, South Dakota

 Site Boundary



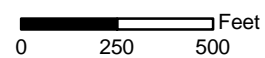
 Miles
0 0.25 0.5



Site 39DE0108
Deuel County, South Dakota

 Site Boundary



 Feet
0 250 500

SD STATE ARCHAEOLOGICAL RESEARCH CENTER

Site No 39DE0109

County Deuel Site Name Other No

NR Status recom. Unevaluated SHPO Determination

NR District

Map Reference Toronto Owner Private

Arch. Region Upper Big Sioux Topo pos Rolling Plain

Vegetation Short Grass Substrate Loess Land Use Pasture

UTM centroid: coord. system NAD 83 zone 14 / 688789 E/ 4941044 N

Surf. visibility 10 % Site elevation 591 m Condition Unknown

Site Dim. N-S 112 E-W 62 m Area 0.45 ha Depth 1 cm

Nearest Water Type Intermittent Stream Name Unnamed

Distance 385 m Elevation 573 m Direction S Bank L

LOCATIONS

Legal Locations	Section	Twp	Rg
SW-NW-NW NW-SW-NW	17	113N	48W

COMPONENTS

Site Type	Time Period	Cultural Affiliation
Stone Circle	Unknown	Native American
Alignment	Unknown	Unknown
Cairn	Unknown	Unknown

COMMENTS

Comments/site description (i.e. artifacts/features observed)

Updated from GIS data: UTM's // See continuation sheet.

Evaluation/collection methods

Archaeological pedestrian survey. No testing.

Owner name/address/attitude

Name Dylan Eigenberger Date May 16, 2019

Project Level III Intensive Archaeological Survey for the Tatanka Ridge Wind Project, Deuel County

SD State Archaeological Research Center
Site No. 39DE0109 UPDATE
Continuation Sheet

Comments/Site Description:

Pedestrian survey of the portion of the site was conducted as part of the current investigation in 2019. Ground coverage at the time of investigation consisted of prairie. Multiple well-sodded stones that may be represent stone features were seen throughout the prairie area in the vicinity of the site. No further testing was conducted at the site.

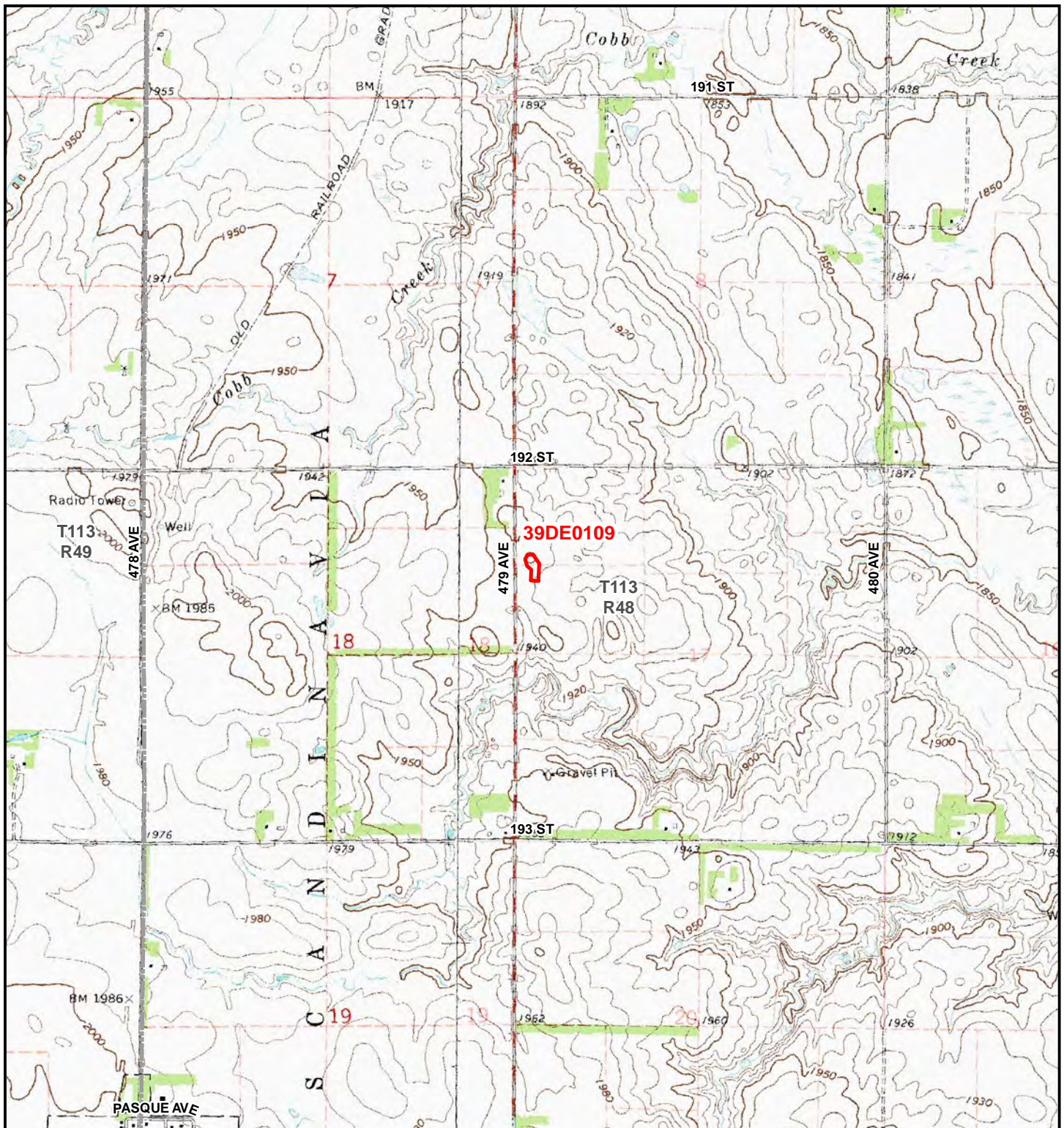
Summary and Recommendations

Site 39DE0109 is a Native American stone feature site located within a prairie area. The site was defined based on pedestrian survey in 2010. Multiple well-sodded stones that may represent features were observed within the site and in the surrounding prairie during the current investigation. This site has not been evaluated for NRHP eligibility.

SD State Archaeological Research Center
Site No. 39DE0109 **UPDATE**
Continuation Sheet

Figure 1. Site 39DE0109 typical field conditions, view to the south

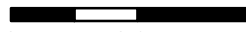




Site 39DE0109
Deuel County, South Dakota


 Site Boundary



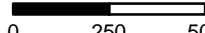
 Miles
0 0.25 0.5



Site 39DE0109
Deuel County, South Dakota

 Site Boundary



 Feet
0 250 500