

# MAC

## Metcalfe Archaeological Consultants, Inc.

---

September 3, 2010

Mr. Paul Picha, Chief Archaeologist  
State Historical Society of North Dakota  
North Dakota Heritage Center  
612 East Boulevard Avenue  
Bismarck, North Dakota 58505

RECEIVED

SEP 07 2010

PUBLIC SERVICE COMMISSION

RE: Keitu Engineers & Consultants, Inc. on behalf of True Companies, Inc.-Bridger Pipeline, LLC for the Proposed Reroute of the 4 Bear Crude Oil Pipeline in Dunn County, North Dakota

Dear Mr. Picha,

On behalf of True Companies, Inc.-Bridger Pipeline, LLC, Metcalfe Archaeological Consultants, Inc. (MAC) conducted a Class III pedestrian survey of a one mile long reroute in Dunn County, North Dakota. In conjunction with the construction of the proposed Bridger Crude Oil Pipeline, which has been permitted by the Public Service Commission, the reroute was necessitated by the need for tree avoidance, and land owner concerns.

The reroute is located in sections 25 and 36 of T. 147N, R. 96W. The survey was conducted using pedestrian transects spaced no more than 15 meters apart, and was 5,354 feet long by 200 foot wide, for a total of 25 acres of additional survey.

A file search for this area was conducted in March 2010. The search identified three cultural resource surveys, two prehistoric sites, one historic site, and two prehistoric isolated finds within one mile of this location (see Files Search tables in Appendix A of the Project Report). One prehistoric site was located in Section 1 of T. 146, R. 96W during the original Class III survey (see chapters 5 and 6 of the Project Report). All of the cultural sites are located over a half mile away from the reroute corridor.

One new historic site – MAC-AK-8 - was recorded in Section 36 of T. 147N, R. 96W. This site is an historic dump that contains modern trash that appears to date from 1950s to present. The site was evaluated in the field by the lead archaeologist and has been recommended as not being eligible for inclusion into the National Register of Historic Places (NRHP). MAC recommends a finding of "No Historic Properties Affected" for the proposed reroute. The site and reroute survey is documented on the attached 1:24,000 topographic map.

Thank you for the opportunity to provide you with this information. Should you have any questions or require further information, please contact the MAC Bismarck office at the address below.

Sincerely,



Kimball M. Banks, PhD  
Regional Branch Manager

cc: Ms. Kathleen M. Spilman, Keitu Engineers & Consultants, Inc.  
Mr. Patrick Fahn, Public Service Commission

attachments

46 PU-09-750 Filed: 9/7/2010 Pages: 9  
Class III pedestrian survey of a one mile long reroute  
in Dunn County, ND

Bridger Pipeline LLC

Kimball Banks, Metcalfe Arch. Consultants

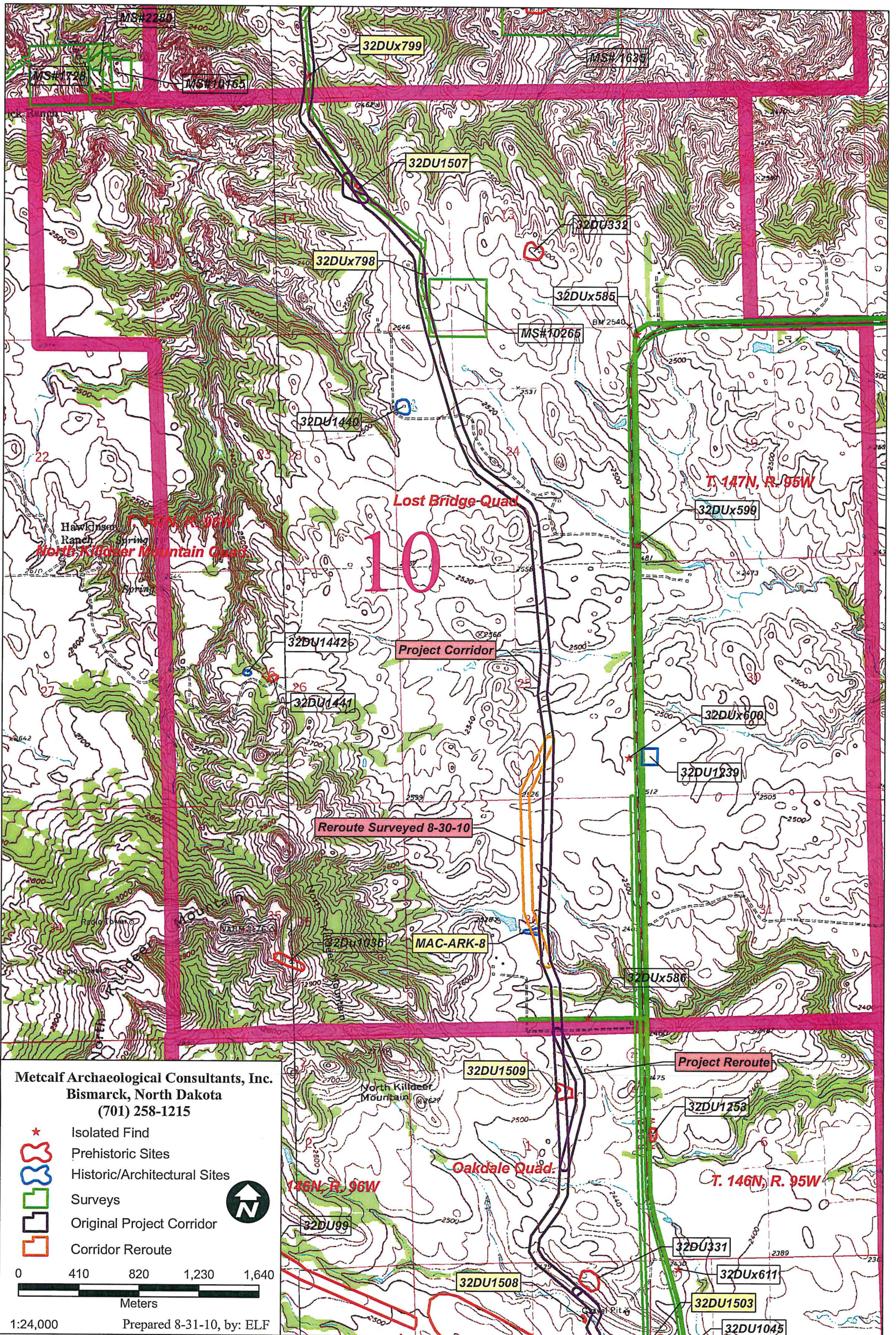
(701) 258-1215

Fax (701) 258-7156

P.O. Box 2154

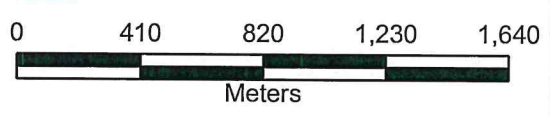
Bismarck, North Dakota 58502

e-mail: [macnodak@metcalfarchaeology.com](mailto:macnodak@metcalfarchaeology.com)



Metcalf Archaeological Consultants, Inc.  
 Bismarck, North Dakota  
 (701) 258-1215

- ★ Isolated Find
- ⬭ Prehistoric Sites
- ⬭ Historic/Architectural Sites
- ⬭ Surveys
- ⬭ Original Project Corridor
- ⬭ Corridor Reroute



1:24,000 Prepared 8-31-10, by: ELF

"Reroute 2" (T. 147N, R. 96W, Sections 25 and 36) and MAC-ARK-8, depicted on the Lost Bridge (1981) quadrangle map.

# NDCRS HISTORICAL ARCHEOLOGICAL SITE FORM

## PAGE 1

Field Code MAC-AK-8

SITS# 32 DU

**SITE IDENTIFICATION**

Map Quad Lost Bridge Site Name \_\_\_\_\_  
 Map Quad \_\_\_\_\_ Site Name \_\_\_\_\_

LTL     TWP 147 R 96 SEC 36 QQQ 8 QQ 8 Q 6  
 LTL     TWP     R     SEC     QQQ     QQ     Q      
 LTL     TWP     R     SEC     QQQ     QQ     Q      
 LTL     TWP     R     SEC     QQQ     QQ     Q    

UTM 661676 N ZONE 13N  
 UTM 5263680 E NAD 1927  NAD 1983

Subsection:  
 1 = N½  
 2 = E½  
 3 = S½  
 4 = W½  
 5 = NE¼  
 6 = SE¼  
 7 = SW¼  
 8 = NW¼

**SITE DATA**

<b>FEATURE TYPE</b>	<b>CULTURAL MATERIAL</b>	
<input type="checkbox"/> CM Scatter	<input type="checkbox"/> Bone	<u>10</u> Site Type
<input type="checkbox"/> Chimney	<input type="checkbox"/> Ceramics	<u>13</u> Context
<input type="checkbox"/> Depression	<input type="checkbox"/> Charcoal	<u>3,640</u> Site Area (m²)
<u>1</u> Dump	<input type="checkbox"/> Cloth	<input type="checkbox"/> Cultural Depth
<input type="checkbox"/> Earthworks	<input type="checkbox"/> Faunal Remains	<input type="checkbox"/> Depth Indicator
<input type="checkbox"/> Fortification	<input type="checkbox"/> Fire-Cracked Rock	<u>3</u> Basis for Dating
<input type="checkbox"/> Foundation	<input type="checkbox"/> Floral Remains	Occupation Date(s)
<input type="checkbox"/> Grave	<u>1</u> Glass	<u>1950</u> Begin
<input type="checkbox"/> Hearth	<input type="checkbox"/> Hide, Hair, Fur	<u>2010</u> End
<input type="checkbox"/> Machinery	<input type="checkbox"/> Human Remains	<u>5</u> CM Density
<input type="checkbox"/> Quarry/Mine	<u>1</u> Masonry	<input type="checkbox"/> Isolated Find
<input type="checkbox"/> Rock Art	<u>1</u> Metal	
<input type="checkbox"/> Trail	<u>1</u> Plastic	
<input type="checkbox"/> Wreck	<u>1</u> Rubber	
<input type="checkbox"/> Other	<input type="checkbox"/> Shell	
	<u>1</u> Wood	
	<input type="checkbox"/> Other	

**ENVIRONMENT**

Landform 1 1 Landform 2 6 Slope/Exposure 10 Ecosystem 7  
 Landform 1     Landform 2     Slope/Exposure     Ecosystem      
 Elevation 760 m Drainage System Little Missouri River  
 View Degree 4 View Distance 2  
 Distance to Permanent Water 10,000 m Permanent Water Type 3  
 Distance to Seasonal Water 10 m Seasonal Water Type 4

**CRM**

Ownership 1 Fieldwork Date 8/30/2010 Test/Probe     Excavation      
 Site Condition 6 Collection 1 Management Recommendation 1

Additional Information: \_\_\_\_\_

**SHSND USE**

Area of Significance     Ecozone     Verified Site     CR Type      
 Area of Significance     Ecozone     Non-Site      
 Area of Significance     Ecozone    

Recorded By Andrea Kulevsky Date Recorded 8/30/2010  
 (First Name & Last Name) (mm/dd/year)

*Instructions to complete a digital version of this form:* (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) Print and submit to SHSND.

**NDCRS HISTORICAL ARCHEOLOGICAL SITE FORM  
PAGE 2—Descriptive Section**

Field Code MAC-AK-8

SITS# 32 DU

1. Access:

From Killdeer proceed north on Highway 22 approximately 11 miles. Turn west and continue for 1/2 mile. At this point, the road turns to the north. Continue north on the road for approximately 1/4 mile to the corner where it turns to the west. The site is located approximately 300 meters north of this point.

2. Site Description (include features):

This is an historic dump located along the top edge and side slope of a relatively deep drainage valley. It consists of two concentrations of historic debris and a sparse scatter of cultural material outside the two concentrations. One of these (concentration 1) is modern. Also associated with this concentration are several areas where earth has been mechanically stripped and/or piled up. The heart of this concentration lies in a mechanically created cut. The second concentration is approximately 20 meters west of the first one.

3. Description of Cultural Material (quantify & identify artifacts, not features):

Material in concentration 1 includes milk jugs, bleach jugs, aluminum soda cans, a TV, a microwave, a couch, a love seat, an arm chair, a bed frame, cinder blocks, lumber, and a lawn mower. This concentration is quite recent and is essentially still used (it includes various pieces of paper and cardboard waste, including a packing box for a 50-inch television). A heating fuel tank and several piles of building materials lie downslope from this concentration. The second concentration is much sparser and consists of kitchen appliances and fixtures, a stroller, a bicycle, building materials (shingles, lumber, concrete slabs), car parts, fencing material, bed frames and mattresses. This concentration clearly contains materials that are both older than those in concentration 1 and have been in place longer.

1,000 # of Artifacts

0 # of Artifacts Collected

4. Artifact Repository:

N/A

Recorded By Andrea Kulevsky Date Recorded 8/30/2010  
(First Name & Last Name) (mm/dd/year)

*Instructions to complete a digital version of this form: (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) Print and submit to SHSND.*

# NDCRS HISTORICAL ARCHEOLOGICAL SITE FORM PAGE 3—Descriptive Section

Field Code MAC-AK-8

SITS# 32 DU

5. Description of Subsurface Testing:  
None

6. Field Conditions:  
Wet  Dry  Windy  Rainy   
Snowy  Overcast  Sunny  Twilight

7. Technique(s) Used to Estimate Site Area:  
Transit  Tape Measure  Paced  Visual Estimate   
GPS  Other (Explain) \_\_\_\_\_

8. Rationale for Site Boundary Determination:  
Surface Cultural Materials  Features  Topography   
Continuous Stratigraphic Exposure  Systematic Subsurface Probing   
Subsurface Testing  Other (Explain) \_\_\_\_\_

9. Current Use of Site: Pasture

10. Landowner Contact Information: \_\_\_\_\_

11. Vegetation: Grasses and forbs

12. Vegetation Cover (% of visible ground): 25

13. Snow Cover (% of ground obscured by snow/ice): 0

14. Person-Hours Spent at Site: 2

15. Project Title & Principal Investigator:  
Bridger Pipeline; Damien Reinhart

Recorded By Andrea Kulevsky Date Recorded 8/30/2010  
(First Name & Last Name) (mm/dd/year)

Instructions to complete a digital version of this form: (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) Print and submit to SHSND.

**NDCRS HISTORICAL ARCHEOLOGICAL SITE FORM**  
**PAGE 4—Descriptive Section**

Field Code MAC-AK-8

SITS# 32 DU

16. Report Title & Author(s):

Addendum to Bridger Pipeline: A Class III Cultural Resource Inventory in Dunn and McKenzie Counties, North Dakota by Andrea Kulevsky

17. Description of Collection(s) Observed & Contact Information:

None

18. Statement of Integrity:

The site retains integrity of location, design, setting, materials, workmanship and feeling. The dump has been in use more or less continuously.

19. Statement of Significance:

We recommend this site as not significant. As a simple, common refuse dump, it is not associated with an event or a pattern of events important to history (Criterion A). It is not associated with a person important to history (Criterion B). No buildings or structures are associated with the site; therefore Criterion C does not apply. It is unlikely that the site can contribute information important to our understanding of history (Criterion D).

20. References Cited/Comments:

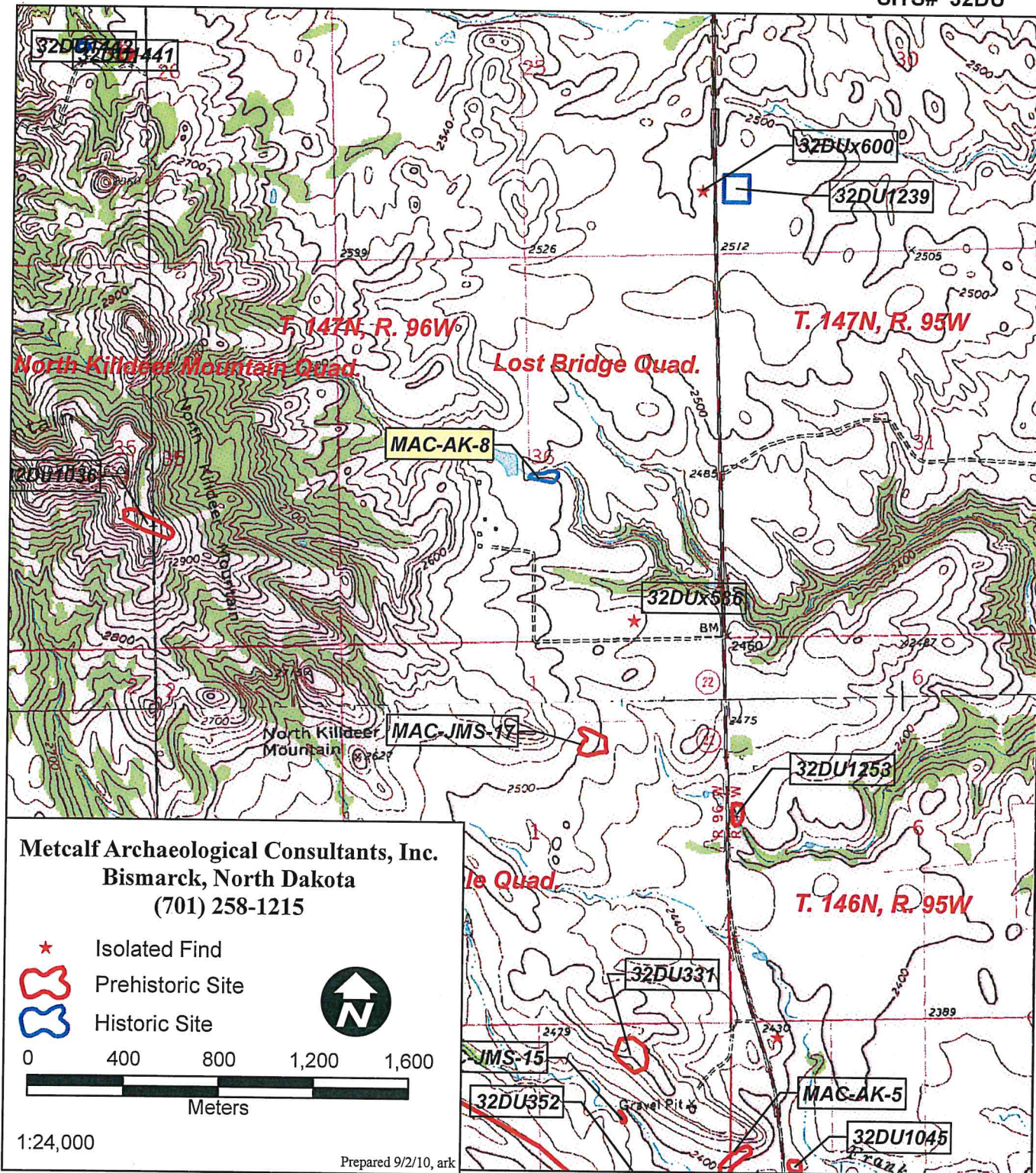
Recorded By Andrea Kulevsky Date Recorded 8/30/2010  
(First Name & Last Name) (mm/dd/year)

*Instructions to complete a digital version of this form: (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) Print and submit to SHSND.*

# NDCRS SITE FORM ATTACHMENTS SECTION

Field Code: MAC-AK-8

SITS# 32DU



Map 1: The location of the site depicted on the USGS 7.5' Lost Bridge (1981) quadrangle map.

Recorded By Andrea Kulevsky

Date Recorded: 8/30/10

## NDCRS SITE FORM ATTACHMENTS SECTION

Field Code MAC-AK-8

SITS# 32DU



**Figure 1:** Site overview, looking east (image 8779).



**Figure 2:** Concentration 1, view to east (image 8780).

**Recorded By** Andrea Kulevsky  
(First Name & Last Name)

**Date Recorded** 8/30/10  
(mm/dd/year)

*Instructions to complete a digital version of this form: (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) Print and submit to SHSND.*

# NDCRS SITE FORM ATTACHMENTS SECTION

Field Code MAC-AK-8

SITS# 32DU

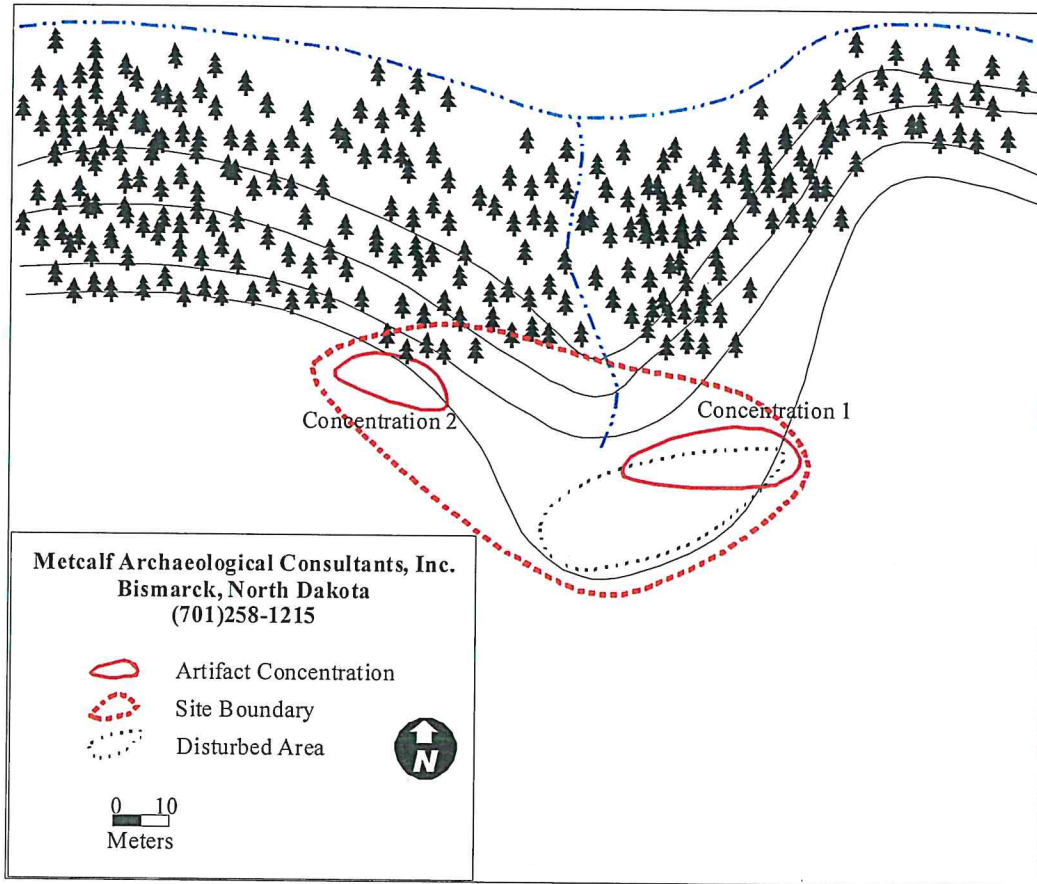


Figure 3: Sketch of site.

**Recorded By** Andrea Kulevsky  
(First Name & Last Name)

**Date Recorded** 8/30/10  
(mm/dd/year)

*Instructions to complete a digital version of this form: (1) Download a copy to your hard drive; (2) Open the saved blank copy; (3) Fill out the form; (4) Use the Save As command to rename the form appropriately and save; (5) Print and submit to SHSND.*