



Norse Plant Residue Pipeline: A Class III Cultural Resources Inventory in Divide and Burke Counties, North Dakota

Prepared for: Hiland Operating

Prepared by: Bill Suess and Wade Burns

Beaver Creek Archaeology, Inc.
Mandan, North Dakota

BCA Project #: 2011 - 174

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Manuscript Date Record Form

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5. Report Date (As is appears on the report title page): **June, 2011**
6. Number of Pages (Including front matter, references cited and appendices): **7**
7. Type – I = Inventory (Class 3 CRI), T – Test, E= Excavation, O = Other: **Type I**
8. Acres – Class 3 inventory only; project description specified only in report: **203**
9. Legal Location(s) (no quarter sections) with Historic Context Study Unit(s): Consult township tables in The North Dakota Comprehensive Plan for Historic Preservation: Archaeological Component, (SHSND 1990) for Study Unit Assignments. Study Units: LM, CB, KN, HE, SM, GA, JA, GR, NR, SR, SO, SH, YE

COUNTY	TWP	R	SEC	SU
Divide and Burke	160	95	11-14	GA
Burke	160	94	17, 18, 20-23, 26, 27	SO

Negative Survey Report

Submitted by Beaver Creek Archaeology, Inc.
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Report Title: Norse Plant Residue Pipeline: A Class III Cultural Resource Inventory in Divide and Burke Counties, North Dakota.

Author: Bill Suess and Wade Burns

Report Date: June, 2011

Acreage: 203

Land Status: Private

Survey Date: June 16, 2011

Project Sponsor: Hiland Operating

Historic Context: Garrison Study Unit (#6) and Souris River Study Unit (#11)

Legal Description/Location of Project Area: The proposed project is located in Sections 11-14 of T160N R95W Divide and Burke County and Sections 17, 18, 20-23, 26, & 27 of T160N R94W Burke County, North Dakota as depicted on the USGS 7.5' Bush Lake and Grand View quadrangle maps. The proposed project is located on private property.

Description of Proposed Project: The proposed project consists of the inventory for the previously constructed Norse Plant Residue Pipeline for Hiland Operating. It was not determined until after construction that a Class III Cultural Resource Inventory needed to be performed. This investigation was conducted to fulfill that obligation and to determine whether the pipeline impacted any cultural resources. The Area of Potential Effect (APE) consists of a pipeline corridor measuring approximately 35,189 feet long by 200 feet wide. Beaver Creek Archaeology inventoried a total of 203 acres for cultural resources.

Result of File Search: Bill Suess conducted a literature search at the North Dakota State Historic Preservation Office (NDSHPO) on June 15, 2011. The search revealed two sites, 32 site leads, no isolated finds within a one mile radius and six manuscripts on file within Sections 11-14 of T160N R95W and 17, 18, 20-23, 26, & 27 of T160N R94W of the APE (see Tables).

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Table 1: Manuscripts on File at the Archaeology and Historic Preservation Division, State Historical Society of North Dakota in or near the APE

Year	MS #	Author	Location			Title
			Twp	R	S	
1998	7144	Olson, B.	160	95	11, 13,14	Dakota Gasification Company Co2 Pipeline Selected Segments in Mercer, Dunn, McKenzie, Williams, and Divide Counties, ND: A Class III Cultural Resources Inventory and Appendix B: USGS Topographic Coverage of the Pipeline
1993	6163	Stine, E.	160	95	14	Burke Divide Electric Cooperative Utility Line Upgrade: A Class III Cultural Resource Inventory Divide County, North Dakota
1980	970	Fox, R.	160	95	12, 13	Cultural Resource Inventory of the proposed Saskatchewan, Canada, Intertie Transmission Line Right of Way, Northwestern North Dakota, Vol. 1, Ward Co., Mountrail Co., Divide Co., & Burke Co.
1978	161	Schreiner, M.	160	95	11, 12, 13	Cultural Resource Inventory of the Proposed Sunflot Heirs No. 1 Well Line, Divide Co. & Burke Co., ND
2008	10778	Pollman, J. & Burns, W.	160	94	22	Norse Gathering Gas Line Survey: A Class III Cultural Resource Inventory, Burke Co., ND
1990	5036	Gregg, M. & Picha, P.	160	94	20	Des Lacs-Souris Drainage Basin Erosion Control Study Area Cultural Resources Review Part 1: Prehistoric Cultural Resources Overview & Part 2: Prehistoric and Historic Archeological Sites on Primary Sample Units and Potential Impacts

Table 2: Summary Information on Architectural and Historical Sites Recorded near the APE

SITS #	Location			Affiliation	Description	Recorder	NRHP Status
	Twp	R	S				
32DV27	160	95	10	Historical	CM Scatter, Depression lined with crudely stacked rocks, Dump, Wood, Shoe, Metal	Olson, B.	Unevaluated
32BK44	160	94	30	Architectural	Scandia Lutheran Church	Ford-Dunker	Unevaluated

Table 3: Summary Information on Archaeological and Historical Site Leads Near the APE

SITS #	Location			Affiliation	Description	Recorder	NRHP Status
	Twp	R	S				
32DVx3	160	95	1	Unknown	CM Scatter	Benson, E.	Unevaluated
32DVx6	160	95	2	Unknown	CM Scatter	Benson	Unevaluated
32DVx18	160	95	10	Unknown	CM Scatter	Benson	Unevaluated

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SITS #	Location			Affiliation	Description	Recorder	NRHP Status
	Twp	R	S				
32DVx19	160	95	11	Unknown	CM Scatter	Benson	Unevaluated
32DVx20	160	95	11	Unknown	CM Scatter	Benson	Unevaluated
32DVx21	160	95	13	Unknown	CM Scatter	Benson	Unevaluated
32DVx22	160	95	13	Unknown	CM Scatter	Benson	Unevaluated
32DVx23	160	95	14	Unknown	CM Scatter	Benson	Unevaluated
32DVx24	160	95	15	Unknown	CM Scatter	Unknown	Unevaluated
32DVx39	160	95	24	Unknown	CM Scatter	Benson	Unevaluated
32DVx40	160	95	24	Unknown	CM Scatter	Benson	Unevaluated
32BKx562	160	94	17	Unknown	CM Scatter	Benson	Unevaluated
32BKx563	160	94	18	Unknown	CM Scatter	Benson	Unevaluated
32BKx564	160	94	19	Unknown	CM Scatter	Benson	Unevaluated
32BKx565	160	94	19	Unknown	CM Scatter	Benson	Unevaluated
32BKx580	160	94	35	Unknown	CM Scatter	Benson	Unevaluated
32BKx913	160	94	21	Unknown	CM Scatter	Benson	Unevaluated
32BKx576	160	94	28	Unknown	CM Scatter	Benson	Unevaluated
32BKx574	160	94	27	Unknown	CM Scatter	Benson	Unevaluated
32BKx573	160	94	27	Unknown	CM Scatter	Benson	Unevaluated
32BKx572	160	94	26	Unknown	CM Scatter	Benson	Unevaluated
32BKx569	160	94	24	Unknown	CM Scatter	Benson	Unevaluated
32BKx568	160	94	21	Unknown	CM Scatter	Benson	Unevaluated
32BKx557	160	94	14	Unknown	CM Scatter	Benson	Unevaluated
32BKx575	160	94	28	Historical	Thorston Post Office	Benson	Unevaluated
32BKx902	160	94	24	Unknown	CM Scatter	Benson	Unevaluated
32BKx570	160	94	24	Unknown	CM Scatter	Benson	Unevaluated
32BKx567	160	94	21	Unknown	CM Scatter	Benson	Unevaluated
32BKx561	160	94	16	Unknown	CM Scatter	Benson	Unevaluated
32BKx560	160	94	16	Unknown	CM Scatter	Benson	Unevaluated
32BKx559	160	94	16	Unknown	CM Scatter	Benson	Unevaluated
32BKx558	160	94	16	Unknown	CM Scatter	Benson	Unevaluated

Project Personnel: Christina Burns (PI), Ian Fekete, Enid Messerli, Christi Mog, Raina Hanley, Bill Suess and Gwen Jakel (Staff Archaeologists).

Field Methods: The proposed project area was inventoried on June 16, 2011 by Beaver Creek Archaeology. Weather conditions were fair with overcast skies and approximately 75 °F. The proposed well pad was inventoried by the archaeologists walking parallel pedestrian transects 15 - 20 meters apart to cover the APE. During the survey, field notes and overview pictures were taken.

The APE is located within the Garrison Study Unit (#6) and Souris River Study Unit (#11) as found in the *North Dakota Comprehensive Plan for Historic Preservation: Archaeological*

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Component. The APE is located within range land and plowed fields. Vegetation in the area consists of native and non-native grasses, plants and forbs in portions and plowed fields in the remainder. Ground Surface Visibility (GSV) was approximately 30-80 % on average based on location. Areas of higher visibility, such as erosion features, areas of sparse vegetation and rodent burrows were closely examined for cultural material.

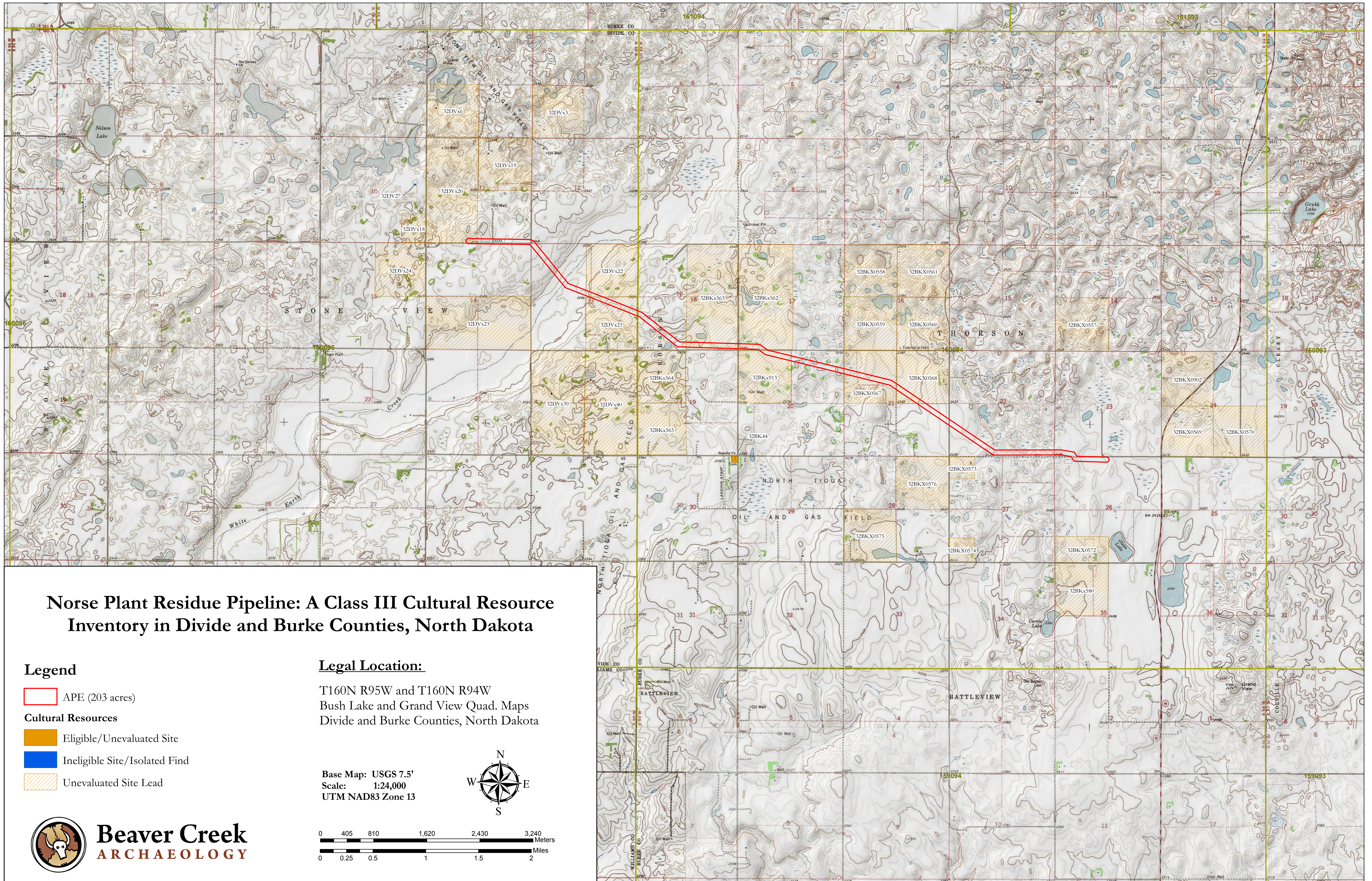
Results and Recommendations: The file search revealed two sites (32DV27 & 32BK44) and 32 site leads within a one mile radius of the APE. The recorded sites are well outside of the APE and will not be affected by the proposed project. Eight site leads are located within the APE, however the exact locations cannot be determined as no detailed map of the site leads exists. These site leads are all unevaluated CM Scatter and were not located during the Class III survey. No cultural resources were identified within the APE. Consequently, *No Historic Properties Affected* is recommended and therefore, no further archaeological investigation is needed for the APE as mapped, photographed and described herein.



Figure 1: Overview of the APE. View to the East.



Figure 2: Overview of the APE. View to the West.




Norse Plant Residue Pipeline: A Class III Cultural Resource Inventory in Divide and Burke Counties, North Dakota

Legend

 APE (203 acres)

Cultural Resources

 Eligible/Unevaluated Site

 Ineligible Site/Isolated Find

 Unevaluated Site Lead

Legal Location:

T160N R95W and T160N R94W
 Bush Lake and Grand View Quad. Maps
 Divide and Burke Counties, North Dakota

Base Map: USGS 7.5'
 Scale: 1:24,000
 UTM NAD83 Zone 13

