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**SANDPIPER PIPELINE PROJECT**  
**TABLE OF CONTENTS**

<b>Exhibit E</b>	<b>Cultural Resource Investigations</b>
Exhibit E.1	Cultural Resources Abstract
Exhibit E.2	State Historical Society of North Dakota Consultation



**EXECUTIVE SUMMARY**

Metcalfe Archaeological Consultants, Inc. (“MAC”), on behalf of Merjent, Inc. (“Merjent”) and Enbridge, undertook a Class II/Class III cultural resource inventory by conducting a literature review within a 2-mile-wide study area and field survey within a variable-width environmental survey corridor. This report covers the cultural resource inventory that occurred between May and November 2013 within the environmental survey corridor. The objective of the 2013 North Dakota Archaeological and Historic Structure Reconnaissance and Evaluation Studies was to identify and, in some cases, evaluate those cultural resources (i.e., Precontact, Historic, and Historic Architectural isolated occurrences, site leads, and sites) that may be affected during construction activities. Evaluation involved determining the eligibility of the resources for inclusion in the National Register of Historic Places (“NRHP”). This information will provide any federal agency determining NRHP eligibility or adverse effects with information to comply with the National Historic Preservation Act, as amended, and its implementing regulations (36 CFR Part 800). This report will also provide the North Dakota State Historic Preservation Office (“ND SHPO”) with information to comment on the North Dakota Public Service Commission regulatory process.

MAC inventoried a total of 13,164 acres and recorded or updated 118 cultural resources that included 36 Precontact sites, 14 Precontact isolated occurrences, 35 Historic sites, 4 Historic Architectural sites, 27 Historic isolated occurrences, and 2 multi-component sites. MAC updated the site forms of 8 Precontact and 10 Historic sites, 2 of which are Architectural that had been recorded prior to the survey. MAC also tested/evaluated three Precontact cultural material scatters (32PI81, 32PI82, and 32MN1165) to determine whether they qualified for inclusion on the NRHP.

Acreage of Environmental Survey Corridor Surveyed	Number of Precontact Sites and Isolated Occurrences in Environmental Survey Corridor	Number of Historic Sites and Isolated Occurrences in Environmental Survey Corridor	Number of Multi-component Sites and Isolated Occurrences in Environmental Survey Corridor	Number of Updates in Environmental Survey Corridor	Number of Sites Recommended as Eligible in Environmental Survey Corridor
13,164	42	56	2	18 (8 Precontact; 10 Historic)	2

Site 32GF8 and the Dutch Colonial style barn in 32PI80 are recommended eligible for inclusion in the NRHP per 36 CFR 60.4, 81 sites and the isolated occurrences are recommended not eligible for inclusion, and 35 sites remain unevaluated. Most of the unevaluated sites consist of Precontact stone feature sites.



**Enbridge (U.S.), Inc.** – Sara Ploetz, Environmental Analyst II  
1409 Hammond Avenue, Second Floor  
Superior, Wisconsin 54880  
Tel 715 398 4730



January 30, 2014

Mr. Paul Picha, and  
Ms. Fern E. Swenson  
State Historical Society of North Dakota  
Archaeology and Historic Preservation Division  
612 East Boulevard Ave  
Bismarck, ND 58505

Re: Sandpiper Pipeline Project  
Public Service Commission Docket No. PU-13-848  
2013 North Dakota Archaeological and Historic Structure Reconnaissance and Evaluation  
Report

Dear Mr. Picha and Ms. Swenson:

Enbridge (U.S.), Inc. ("Enbridge") proposes to construct the Sandpiper Pipeline Project ("Sandpiper") from Enbridge's Beaver Lodge Station south of Tioga, North Dakota, across North Dakota and Minnesota, to an Enbridge's terminal in Superior, Wisconsin. Sandpiper will transport North Dakota crude petroleum to Superior terminal in order to connect to other pipelines and provide refineries in the Midwest and eastern Canada with crude oil.

In October 2013, Enbridge filed a Consolidated Application for a Certificate of Corridor Compatibility and Route Permit with the North Dakota Public Service Commission ("ND PSC") (Docket No. PU-13-848). In its ND PSC application, Enbridge committed to identify *historical resources not specifically designated as exclusion or avoidance areas* by sponsoring surveys within the environmental survey corridor proposed to contain Sandpiper construction, operation, and maintenance activities. In addition, Enbridge committed to *prepare technical reports for the project's cultural resources studies and...submit them to the State Historical Society of North Dakota ("SHSND") for...review and comment*. With this letter, Enbridge submits the results of its 2013 surveys for review and comment in support of the ND PSC process. Enbridge will submit a copy of this letter along with the cover page and abstract of the attached survey report to ND PSC as a supplemental filing.

Between May and November 2013 Metcalf Archaeological Consultants, Inc. ("MAC"), on behalf of Enbridge and Merjent, Inc. ("Merjent"), conducted archaeological and historic structure reconnaissance and evaluation studies for the majority of the environmental survey corridor in North Dakota. The entire environmental survey corridor considered in 2013 encompassed 14,776 acres, of which MAC surveyed 13,164 acres (89 percent). MAC recorded or updated 118 cultural resources, which included 36 Precontact sites, 14 Precontact isolated occurrences, 35 Historic sites, 27 Historic isolated occurrences, 4 Historic Architectural sites, and 2 Multi-component sites. Of those resources, 18 had been recorded prior to this survey effort and were subsequently updated. MAC evaluated Precontact cultural material scatters 32PI81, 32PI82, and 32MN1165 to ascertain whether they qualified for inclusion on the National Register of Historic Places ("NRHP"). Precontact site 32GF8 and the Dutch Colonial style barn associated with 32PI80 are recommended eligible for inclusion on the NRHP. MAC recommended that of the remaining 116 cultural resources recorded, 40 sites and the 41 isolated occurrences were recommended not eligible for inclusion on the NRHP, while the NRHP eligibility of 35 sites was not evaluated.

Enbridge requests that your office comment, to the extent possible, on the NRHP-eligibility recommendations presented in the attached report. Please send any written correspondence to me at the address noted on the letterhead, and provide a copy of your response to ND PSC.

Enbridge will submit an application to the U.S. Army Corps of Engineers, Bismarck Field Office ("USACE") for Nationwide Permit 12 authorization for construction in USACE jurisdictional waters of the U.S. Enbridge has recently submitted a jurisdictional request to USACE in advance of submitting its application.

Enbridge continues to define Sandpiper's centerline and construction workspaces within the environmental survey corridor and will provide updated information to SHSND that outlines additional data collection recommendations or engineering controls to avoid, minimize, or mitigate impacts to NRHP-eligible or not evaluated sites.

Please feel free to contact me (715-398-4730; Sara.Ploetz@enbridge.com) or Merjent Analyst Mike Madson (612-746-3660; mmadson@merjent.com) if you have any questions about this report.

Sincerely,



Sara Ploetz  
Environmental Analyst II  
Enbridge (U.S.), Inc.

Enclosure

cc: Mike Madson, Merjent  
Jason Renschler, USACE

Enbridge Pipelines (North Dakota) LLC - Gayle Konik, Manager, Environment  
1409 Hammond Avenue, Second Floor  
Superior, Wisconsin 54880  
Tel 715 398 4559  
[www.enbridgepartners.com](http://www.enbridgepartners.com)



May 14, 2013

Ms. Fern E. Swenson  
State Historical Society of North Dakota  
Archaeology and Historic Preservation Division  
612 East Boulevard Ave  
Bismarck, ND 58505

Subject: Enbridge Pipelines (North Dakota) LLC  
Sandpiper Pipeline Project  
Notification of Southern Route and Request for Information Regarding Cultural Resources

Dear Ms. Swenson,

In a letter dated April 3, 2013, Enbridge Pipelines (North Dakota) LLC (Enbridge) requested a meeting to discuss the Sandpiper Pipeline Project and associated archaeological sensitivity modeling, field survey protocols, and reporting requirements.

We believe that early and frequent communication with regulatory agencies is important to the successful planning of a project, especially one of this size and scope. In particular, we believe that communication about environmental issues is essential to effectively addressing concerns early on. We understand that it is necessary to have an established lead federal agency in order to fully engage with you regarding our project. Despite the absence of a lead federal agency at this time, we are committed to keeping you informed.

Toward that end, the purpose of this letter is to let you know that we have developed a southern route in Minnesota in addition to the northern route described in our previous letter. The southern route would extend from Clearbrook, Minnesota to a point near the Minnesota-Wisconsin border through Clearwater, Hubbard, Cass, Crow Wing, Aitkin, and Carlton counties. At this time, the Sandpiper Pipeline Project may follow either route. Thus, we will begin the survey and information gathering process soon for both routes. A project map of Minnesota counties crossed by the southern route and a shapefile of the southern route's 2-mile-wide study area are enclosed.

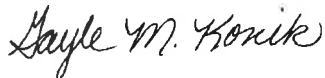
We expect construction to start on the permitted route by Q4 2014 and end in Q1 2016, depending on regulatory approvals and final construction planning.

Enbridge has contracted Merjent, Inc. (Merjent) to assist with environmental review and permitting, including cultural resources consultations and field surveys. Merjent is teaming with Foth Companies, Commonwealth Cultural Resources Group, and Stratamorph Geoexploration to prepare an archaeology sensitivity model, develop survey protocols, and conduct field surveys in Minnesota.

To facilitate cultural resources review in North Dakota, we also have been in contact with Paul Picha at the North Dakota SHPO to introduce the Sandpiper Pipeline Project and to request archaeological and historic data and recommendations related to reporting requirements.

If you have any questions, would like a copy of the April 3, 2013 letter, or need further information in order to respond to this request, please contact Gayle Konik at Enbridge (715-398-4559; Gayle.Konik@enbridge.com) or Mike Madson at Merjent (612-924-3963; mmadson@merjent.com). Thank you for your assistance.

Sincerely,

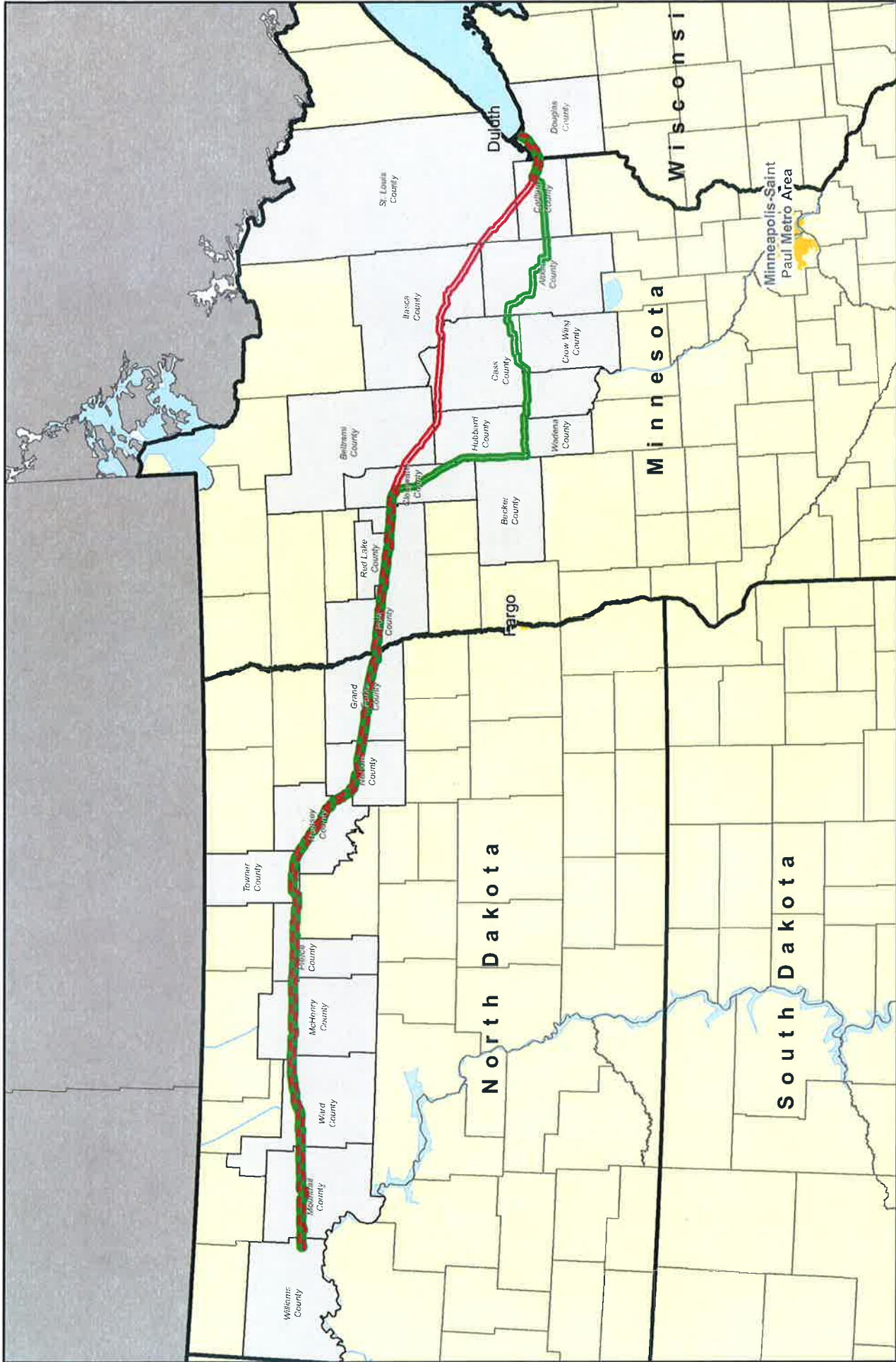


Gayle Konik  
Manager, Environment  
Sandpiper Pipeline Project




Enclosures: Project-wide Map  
Project Map of Minnesota Counties – both routes  
Shapefiles of the 2-mile-wide Study Area (divided into the following segments)



1. Beaver Lodge to Clearbrook
2. Clearbrook to Superior – Northern Route
3. Clearbrook to Superior – Southern Route

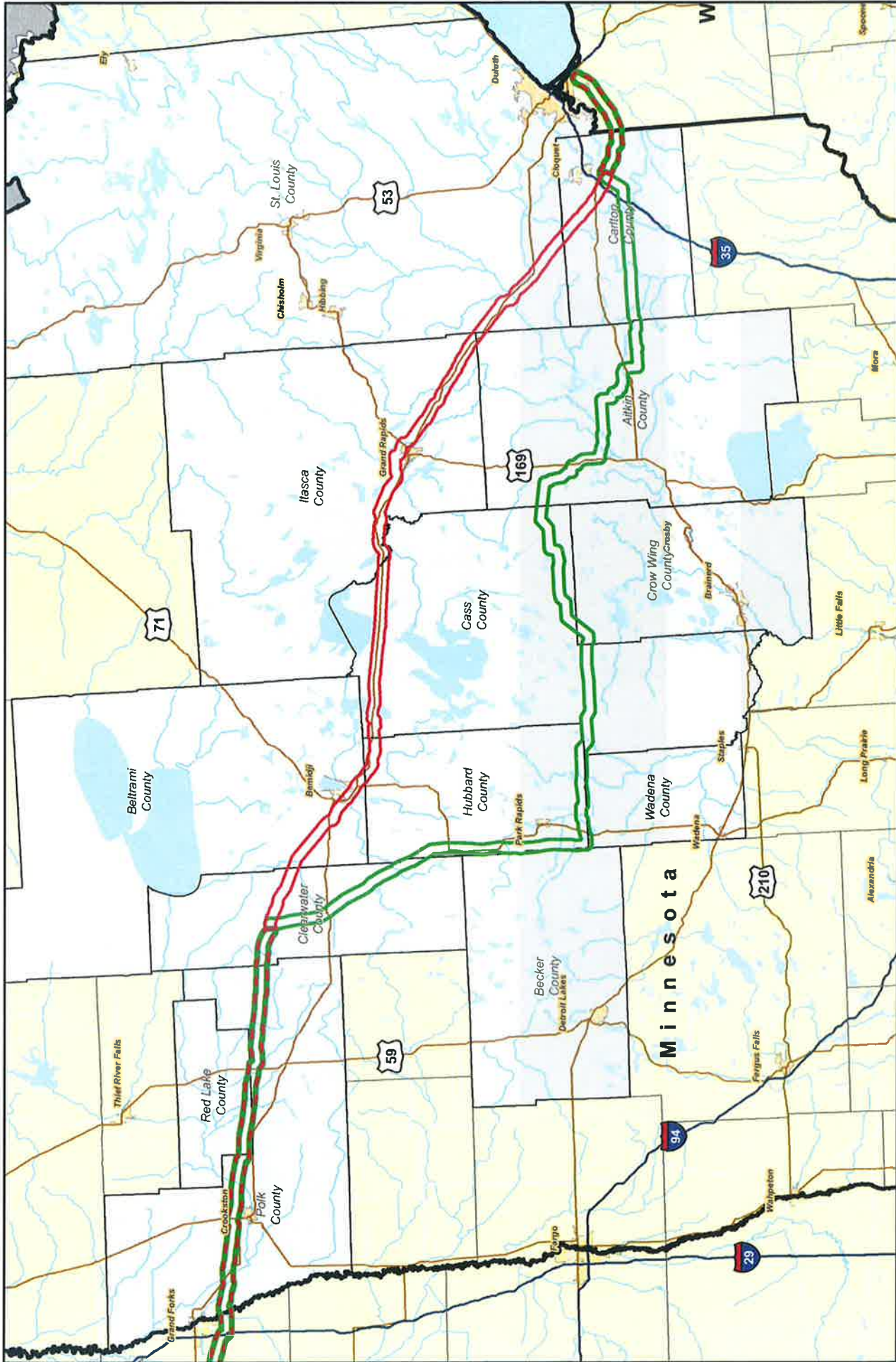
cc: Mike Madson, Merjent







**Enbridge Pipelines (North Dakota) LLC**  
**Sandpiper Pipeline Project**  
 Project Location Map


 Sandpiper Rev. A Study Area  
 Northern Route Rev. A Study Area  
 Southern Route Rev. A Study Area

 N  
 0 30 60 Miles  
 1 inch = 60 miles



 Sandpiper Rev. A Study Area  
 Northern Route Rev. A Study Area  
 Southern Route Rev. A Study Area




  
 1 inch = 25 miles

## Enbridge Pipelines (North Dakota) LLC

### Sandpiper Pipeline Project

#### Minnesota Project Location Map





April 3, 2013

Ms. Fern E. Swenson  
State Historical Society of North Dakota  
Archaeology and Historic Preservation Division  
612 East Boulevard Ave  
Bismarck, ND 58505

Subject: Enbridge Pipelines (North Dakota) LLC  
Sandpiper Pipeline Project  
Request for Information Regarding Cultural Resources

Dear Ms. Swenson:

With this letter, we are introducing the Sandpiper Pipeline Project ("Sandpiper"), which has the potential to require approvals and/or permits that are subject to your office's review; therefore, we expect that regulatory agencies may soon engage in consultation with your office for compliance with state or federal statutes. In addition, we plan to request meetings with members of your staff in early April to discuss archaeological sensitivity modeling, field survey protocols, and reporting.

Enbridge Pipelines (North Dakota) LLC ("Enbridge") is proposing to build a new pipeline that will generally follow our existing Line 81 pipeline and other existing utilities. In some areas, the new pipeline will deviate from Enbridge's existing Line 81 pipeline right-of-way in North Dakota. The project will begin at our Beaver Lodge Station south of Tioga, North Dakota to Clearbrook, Minnesota and will continue to our terminal in Superior, Wisconsin. The project will transport growing supplies of North Dakota crude petroleum to our Superior terminal and then connect to various other pipelines, eventually providing refineries in the Midwest and eastern Canada with crude oil.

Enbridge is in the process of determining the project route, but expects construction to take place between late-2014 and early 2016, depending on regulatory approvals and final construction planning.

In North Dakota, the Sandpiper Pipeline Project would cross Williams, Mountrail, Ward, McHenry, Pierce, Towner, Ramsey, Nelson, and Grand Forks counties. A project-wide map of the proposed pipeline route, a project map of North Dakota counties, and a shapefile of the 2-mile-wide study area are enclosed.

Enbridge has contracted Merjent, Inc. (Merjent) to assist with environmental review and permitting, including cultural resources consultations and field surveys. Merjent is teaming with Foth Companies, Metcalf Archaeological Consultants, Stratamorph Geoexploration, Beaver Creek Archaeology, and Ethnoscience, Inc., to prepare an archaeology sensitivity model, develop survey protocols, and conduct field surveys in North Dakota. These contractors will carry the annual permit required by North Dakota Century Code (NDCC) section 55-03-01 and will adhere to the North Dakota State Historic Preservation Office (SHPO) Guidelines Manual for Cultural Resources Inventory Projects.

To facilitate cultural resources review in North Dakota, we have also been in contact with Paul Picha at the North Dakota SHPO to introduce the Sandpiper Pipeline Project, to request archaeological and historic data, and recommendations related to reporting requirements.

If you have any questions or need further information in order to respond to this request, please contact Gayle Konik at Enbridge (715-398-4559; Gayle.Konik@enbridge.com) or Mike Madson at Merjent (612-924-3963; mmadson@merjent.com). Mike Madson will be contacting you to establish a time to meet to discuss sensitivity modeling, survey needs, and protocols. Thank you for your assistance.

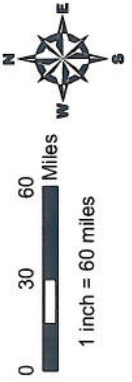
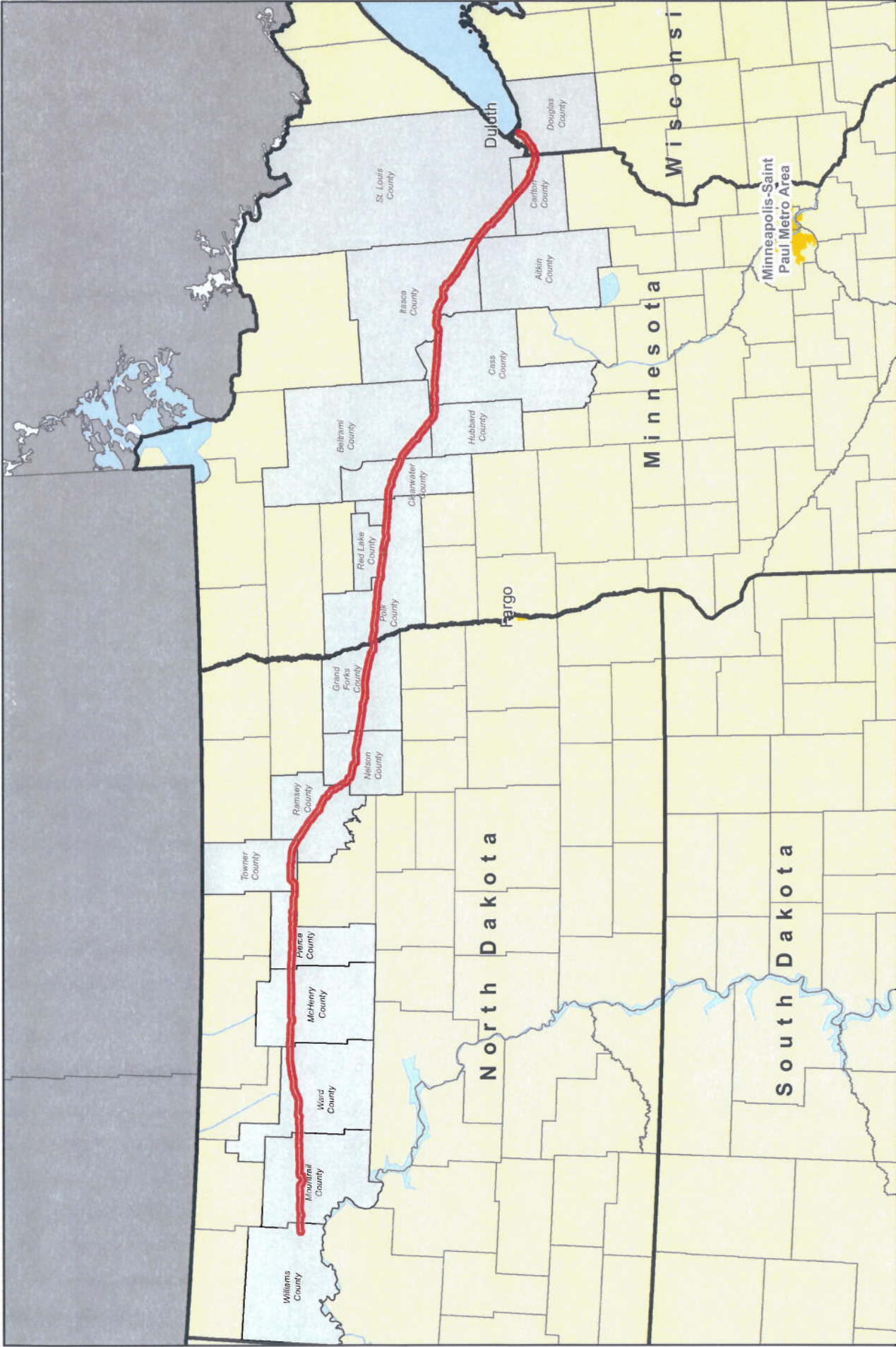
Sincerely,



Gayle Konik  
Manager, Environment  
Sandpiper Pipeline Project

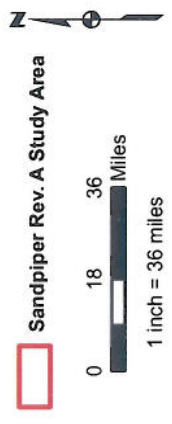
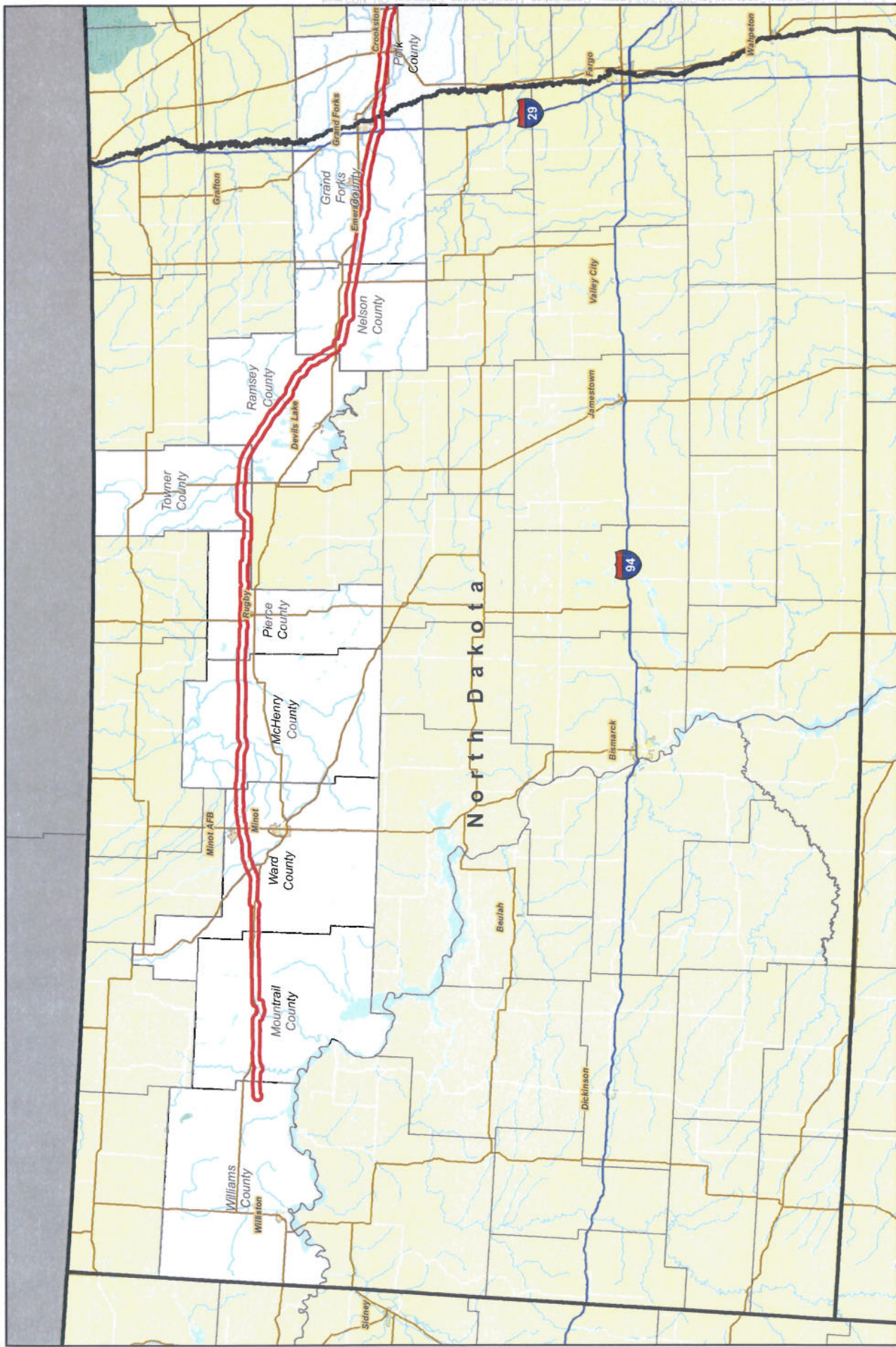
Enclosures: Project-wide Map  
Project Map of North Dakota Counties  
Shapefile of the 2-mile-wide Study Area

cc: Mike Madson, Merjent



**Enbridge Pipelines (North Dakota) LLC**  
**Sandpiper Pipeline Project**  
 Project Location Map





**Enbridge Pipelines (North Dakota) LLC**  
**Sandpiper Pipeline Project**  
**North Dakota Project Location Map**



Jack Dalrymple  
*Governor of North Dakota*

**North Dakota  
State Historical Board**

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July 11, 2012

Mr. Patrick Fahn  
Public Service Commission  
600 East Boulevard Avenue  
Bismarck ND 58505-0480

RE: Cultural Resource Reports Submitted to the North Dakota Public Service  
Commission

Dear Mr. Fahn,

Here is the text to the letter we will be sending out to the permitted cultural resource  
contractors.

Locational information for archaeological and historic sites is protected under North  
Dakota Century Code § 55-02-07. Due to a problem of cultural resource reports and  
archeological site locational information appearing on the North Dakota Public  
Service Commission (PSC) website, we request that all reports (Class I, Class II or  
Class III, or documents outlining testing or data recovery methodologies) or any loose  
maps sent to the PSC offices by a permittee or their client not contain site locational  
information. Site locational information includes the location of a site on a  
topographic map or aerial photographs, the location of a site in tables, such as  
Township, Range and Section, or the photograph of a site. It is acceptable to mention  
the Smithsonian Trinomial designation (e.g., 32EM0123) as this does not contain  
locational information, other than state and county.

For reports or documents of any type omitting site locational information can most  
easily be accomplished by sending just the report cover and abstract pages. Please be  
sure that your abstracts do not contain tables of sites with Township, Range and  
Section columns, or other locational identification. Report covers sent to the PSC  
should not contain photographs of sites, which might be identifiable in reports that  
cover small areas. If for some reason you need to send a loose map, please delete all  
archaeological and historic site locations from the map before submittal to the PSC.  
We have been working with PSC staff, and the abstracts alone would be acceptable.  
Therefore full reports that are redacted are **not** necessary.

Thank you for your attention to this important matter. If you have questions, please  
contact either Susan Quinnell, Review and Compliance Coordinator at  
[squinnell@nd.gov](mailto:squinnell@nd.gov), (701) 328-3576, or Paul Picha, Chief Archaeologist at  
[ppicha@nd.gov](mailto:ppicha@nd.gov), (701) 328-3574.

Sincerely,

Susan Quinnell  
Review and Compliance Coordinator  
State Historical Society of North Dakota