

**Addendum C: Plains Pipeline Trenton Loop:
A Class III Cultural Resource Inventory in
Williams and McKenzie Counties, North Dakota**

NDSHPO Review #05-0635

Prepared for:
Plains Pipeline
Belfield, North Dakota

Principal Investigator:
Amy Bleier

Prepared by:
Amy Bleier
Metcalf Archaeological Consultants, Inc.
Bismarck, North Dakota

August 2005

Addendum

Submitted by Metcalf Archaeological Consultants, Inc.
PO Box 2154, Bismarck, North Dakota 58502
Phone: (701) 258-1215, Email: macnodak@btinet.net

Report Title: Addendum C: Plains Pipeline Trenton Loop: A Class III Cultural Resource Inventory in Williams and McKenzie Counties, North Dakota

NDSHPO Project # 05-0635

Author: Amy Bleier

Report Date: August 2005

Acreage: 283.8 acres

Survey Date: August 23-25, 2005

Project Sponsor: Plains Pipeline, L.P., Belfield, North Dakota

Historic Context: Garrison Study Unit (Unit #6) and Yellowstone River Study Unit (Unit #13)

Legal Description/Location of Project Area: The project corridor is located in sections 17, 20, 29 and 30 of T. 152 N., R. 104 W. in McKenzie County, sections 1, 9-12, and 16-17 of T. 152 N., R. 104 W., sections 5 and 6 of T. 152 N., R. 103 W., and sections 25, 35, and 36 of T. 153 N., R. 103 W. in Williams County (see enclosed project corridor map). The project corridor begins at the North Dakota/Montana border and runs northeast to approximately 1.5 miles south of the community of Trenton, North Dakota.

Description of Proposed Project: The project corridor, extending approximately ten miles, was originally inventoried in early May of 2005 by Ed Stine and Damita Hiemstra of Metcalf Archaeological Consultants, Inc. (MAC). At that time, the width of the corridor inventoried measured 50 feet. Plains Pipeline, L.P. recently requested that the width of the corridor be expanded to 200 feet. Between August 23 and 25, 2005, Amy Bleier and Damita Hiemstra of MAC conducted a Class III cultural resource inventory of the additional 200 foot corridor. Additionally, a 300 foot wide corridor was surveyed for 0.25 miles on each side of the Missouri River. The total acreage of the current project corridor is approximately 283.8 acres.

Results of File Search: On March 31, 2005, Pat Jessen conducted a search of the State Historical Society of North Dakota's site and manuscript files. Fort Buford (32WI25) and several related sites, including a dump and a rifle range are situated on the east side of the Missouri River. This area contains the Buford townsite, Fort Buford post office, and the Lower Yellowstone irrigation system (32MZ1174). The complete results of the search are available in Appendix B of *Plains Pipeline Trenton Loop: A Class III Cultural Resource Inventory in Williams and McKenzie Counties, North Dakota*.

Addendum

Submitted by Metcalf Archaeological Consultants, Inc.
PO Box 2154, Bismarck, North Dakota 58502
Phone: (701) 258-1215, Email: macnodak@btinet.net

Field Personnel: Amy Bleier, Principal Investigator, and Damita Hiemstra.

Field Methods and Conditions: The expanded project corridor was surveyed using zigzag pedestrian transects spaced at approximately 15 meter intervals. Points of reference were collected with a Global Positioning System and the project corridor was digitally photographed. All of the field notes, maps, and digital photographic images are on file at the MAC office in Bismarck.

The majority of the project corridor was flat and used for farming. The farm fields had varying degrees of groundcover. The ground surface visibility (GSV) of the plowed fields was 75-100%. The GSV of the harvested wheat fields ranged from 25-75%. At the time of the survey, the sugar beets had not yet been harvested and therefore the GSV was very poor (0-10%). The potential for locating cultural resources in the sugar beets was low because these fields were found in the river bottoms and have been continuously plowed and irrigated for decades. The areas of the project corridor immediately adjacent to the Missouri River was marshy and contained wetland flora. The portion of the project corridor located to the west of the Missouri River was in hilly terrain used as pasture. The vegetation was short mixed grasses, prickly pear cactus, yucca, sage, and various forbs with GSV ranging from 25-75%.

Results and Recommendations: No cultural resources were observed during the inventory of the widened project corridor and a finding of *No Historic Properties Affected* is recommended for the undertaking as surveyed, mapped and described herein.

Addendum Map and Photo Section



Figure 1: Overview of a plowed field in the project corridor, view to the north (Image 2).



Figure 2: Overview of a harvested wheat field in the project corridor, view to the northeast (Image 4).

Addendum

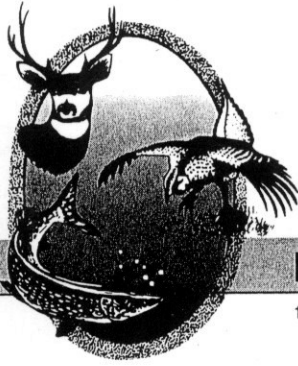
Map and Photo Section



Figure 3: Overview of a sugar beet field in the project corridor, view to the northeast (Image 3).



Figure 4: Overview of hilly pasture in the project corridor, view to the east (Image 1).



"VARIETY IN HUNTING AND FISHING"

NORTH DAKOTA GAME AND FISH DEPARTMENT

100 NORTH BISMARCK EXPRESSWAY BISMARCK, NORTH DAKOTA 58501-5095 PHONE 701-328-6300 FAX 701-328-6352

August 26, 2005

Daniel Holli
Plains Pipeline, LP
P.O. Box 708
Belfield, ND 58662

Dear Mr. Holli:

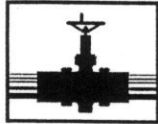
RE: 3.5 Mile Long Pipeline Segment in Sections 9, 16, 17, 20, 29, & 30 T152N R104W
2.5 Mile Long Pipeline Segment in Sections 3 & 10 T153N R102W; & 34 T154 R102W
Williams County, ND

The North Dakota Game and Fish Department has reviewed these projects, which include a crossing of the Missouri River, for wildlife concerns. Proposed mitigation includes boring the river crossing at least 15 feet below the bottom of the riverbed and replacing any unavoidable disturbance of woody vegetation on a 2:1 basis. We do not believe these projects will have any significant adverse affects on wildlife or wildlife habitat, including endangered or threatened species, based on the information provided.

Sincerely,

Michael G. McKenna
Chief
Conservation & Communication Division

js



PLAINS
PIPELINE, L.P.



August 12, 2005

Mr. Jeff Towner
US fish and Wildlife
3425 Miriam Ave.
Bismarck, ND 58501

Dear Mr. Towner:

Plains Pipeline, L.P. plans to construct a 3.5 mile long segment of pipeline in Sections 9, 16, 17, 20, 29, and 30 in T152N R104 W in Williams County, ND.

Please concur that there are no endangered or threatened species that will be disturbed by land clearing and restoration work done during construction.

The river crossing will be bored in accordance with Corps of Engineers Letter of Authorization No. 200560121 and ND State Water Commission permit No. S-1381. The irrigation canals in the area will be bored under in accordance with authorization DK-400, PRJ-28.00 issued from the ND Bureau of Reclamation. The Highway 58 and BNSF railroad crossings are authorized by these agencies as well.

Soil borings were done by maxim Technology to a depth of 120 feet on east and west sides of the river to define the type of soil that will be encountered beneath the river during boring. A river bottom profile has been developed from Central States Underwater Contracting, Inc. to define the required depth of the river boring activity. Work is expected to be done around October, 2005.

No woody vegetation will be disturbed on this project except possibly in sections 29 and 30. If trees are disturbed tree replacement will take place. The river boring will begin and end beyond the trees along the river bank. Boring will be done at least 15 feet below the bottom of the riverbed.

If you have any additional questions or comments, I can be reached at (701) 575-4254 ext. 34.

Respectfully,

Daniel Holli
Daniel Holli
Environmental and Regulatory Compliance Specialist

U.S. FISH AND WILDLIFE SERVICE

ECOLOGICAL SERVICES
ND FIELD OFFICE

Project as described will have no significant impact on fish and wildlife resources. No endangered or threatened species are known to occupy the project area. IF PROJECT DESIGN CHANGES ARE MADE, PLEASE SUBMIT PLANS FOR REVIEW.

9/1/05 *Jeffrey K. Towner*
Date **Jeffrey K. Towner**
Field Supervisor