

Appendix D

Natural Resource Report

Natural Resource Report

Magellan Pipeline Company, L.P. Fargo Pipeline Relocation Project

Prepared by E3 Environmental, LLC
February 2012



TABLE OF CONTENTS

INTRODUCTION..... 1

SECTION 1: Methods.....2

 1.1 Survey Area.....2

 1.2 Resource Inventory.....2

 1.3 Field Preparation.....2

 1.4 Wetland and Waterbodies.....2

 1.4.1 Wetlands3

 1.4.2 Waterbodies.....3

 1.5 Bald and Golden Eagles3

 1.6 Threatened and Endangered Speices.....3

 1.7 Tree and Sapling Inventory.....3

SECTION 2: Results4

 2.1 Wetland and Waterbodies Inventory4

 2.1.1 Wetland Survey4

 2.1.2 Waterbody Survey4

 2.2 Wildlife Inventory4

 2.2.1 U.S. Fish and Wildlife Service Bald and Golden Eagle Protection Act..4

 2.2.2 Federally Protected Species Survey.....4

 2.3 Tree, Sapling and Shrub Survey5

SECTION 3: Conclusion6

SECTION 4: List of Preparers7

APPENDICES

- Appendix A: Maps
- Appendix B: Photographs

INTRODUCTION

Magellan Midstream Partners, L.P. retained E3 Environmental, LLC (E3) to provide field services in support of their Fargo Relocation Project (Project). The proposed project involves the relocation of approximately 2,300 feet of existing 6-inch and 8-inch pipelines to accommodate highway reconstruction and expansion. The project is located in T139N, R49W, Section 9, Cass County, North Dakota. The project occurs entirely within the city limits of West Fargo, North Dakota. The scope of this survey includes an inventory of those resources defined by the North Dakota Administrative Code (NDAC) 69-06-08-02 as “exclusion” or “avoidance” areas.

SECTION 1: METHODS

1.1 SURVEY AREA

A 250 foot area, centered upon the proposed alignment, was surveyed. A pedestrian survey was conducted of the entire route and all proposed workspace.

1.2 RESOURCE INVENTORY

The objective of the survey was to record the presence or absence of the following natural resources:

- Threatened and or endangered species
 - Inventory observations
 - Habitat conducive of supporting protected species
- Wetlands
 - Location and extent within the surveyed area
- Waterbodies
 - Location and extent within the surveyed area
- Bald or Golden Eagles
 - Nests
 - Habitat
- Tree and Sapling Inventory

1.3 FIELD PREPARATION

Prior to conducting field surveys, E3 conducted an extensive desktop review of the project area. Resources utilized during this review included:

- Aerial photography
- United States Geologic Survey Topographic Maps
- National Wetland Inventory Maps
- United States Fish and Wildlife Service Threatened and Endangered Species Accounts for Cass County, North Dakota

1.4 WETLAND AND WATERBODIES

Prior to conducting field surveys, E3 reviewed United States Fish and Wildlife Service (USFWS) mapped wetland and waterbody features as recorded on National Wetland Inventory (NWI) maps and United States Geologic Survey Topographic Maps, this review was augmented with the review of aerial imagery. NWI maps record the historical presence of wetland features, though these features may be modified or lost over time due to natural or anthropogenic development.

1.4.1 WETLANDS

Desktop analysis suggested that a single wetland had been previously recorded and inventoried (e.g.; NWI) within the project footprint at the northern terminus of the project.

1.4.2 WATERBODIES

No mapped waterbody features were identified during the preliminary desktop analysis of the survey corridor.

1.5 BALD AND GOLDEN EAGLES

Prior to conducting field surveys, E3 reviewed aerial imagery of the project area. The purpose of this review was to identify any visible existing nest structures and areas of potentially suitable habitat.

1.6 THREATENED AND ENDANGERED SPECIES

Under authority of the Endangered Species Act (ESA), the USFWS has identified and maintains a list of species and critical habitats that have been afforded protection under the ESA. The ESA provides a program for the conservation of threatened and endangered plants and animals and the habitats that they inhabit.

E3 reviewed USFWS published data and identified the following listed species and the potential for the species to occur within the Corridor.

- Whooping crane (*Grus americana*) – Endangered
- Gray wolf (*Canis lupus*) – Endangered

E3 reviewed the available information describing the life history, critical habitats, and conservation measures associated with each species when it utilized aerial imagery and topographic maps to assess locations where potentially suitable habitat occurred within the project area.

1.7 TREE AND SAPLING INVENTORY

Prior to conducting field surveys, E3 reviewed aerial imagery of the project area. The purpose of this review was to identify the location of trees, shrubs and saplings.

SECTION 2: RESULTS

2.1 WETLAND AND WATERBODIES INVENTORY

The proposed alignment was inventoried for wetland and waterbody features on January 7, 2012. An E3 field biologist classified wetlands in accordance with guidelines provided in the 1987 Corps of Engineers Wetlands Delineation Manual (Manual) and the Regional Supplement (Great Plains Region) to this Manual. Waterbodies (i.e., creeks, streams, rivers) were identified by the presence of an ordinary high water mark. Streams were classified as perennial, intermittent, or ephemeral based upon field observations.

2.1.1 WETLAND SURVEY

Field studies confirmed the absence of wetlands within the survey corridor. The NWI mapped feature at the northern terminus of the project no longer retains the characteristics of a wetland (See Appendix A for maps of the project area).

2.1.2 WATERBODY SURVEY

Field studies confirmed the absence of waterbodies within the survey corridor.

2.2 WILDLIFE INVENTORY

2.2.1 U.S. FISH AND WILDLIFE SERVICE BALD AND GOLDEN EAGLE PROTECTION ACT

Field biologist conducted a line-of-sight survey from the proposed project area which extended 0.5 miles from the proposed centerline. This survey did not record any sightings of Bald or Golden Eagles. This survey confirmed the absence of Bald or Golden Eagle nest structures as well as the absence of suitable Bald or Golden Eagle habitat.

2.2.2 FEDERALLY PROTECTED SPECIES SURVEY

An E3 field biologist conducted a survey of the project area for threatened and endangered species and potential critical habitat. The presence of primary or secondary indicators of threatened or endangered species were not observed in the survey corridor.

The Project area is located within the city limits of West Fargo, which is a fully developed urban area approximately 5 miles west of downtown Fargo, North Dakota. The project area is highly urbanized and includes housing, commercial and industrial facilities as well as related infrastructure including roads, highways and utilities. As such, suitable habitat was not recorded in the study area for either of the species listed below.

Whooping crane: Published studies indicate that whooping cranes utilize a variety of habitats during migration including cultivated croplands and generally roost in small marshy wetlands. Suitable whooping crane habitat was not observed within the study area.

Gray Wolf: The gray wolf uses a variety of habitats to support a large prey base, typically preferring forested habitats. Furthermore, wolves are wary of exposure to humans and the normal behavior of this species leads it to avoid interactions with humans. Suitable gray wolf habitat was not observed within the study area.

Due to the lack of preferred habitat within the study area for these species, E3 has concluded the pipeline relocation will have no effect on either the whooping crane or the gray wolf.

2.3 TREE, SAPLING AND SHRUB SURVEY

A field study of the study area conducted on January 7, 2012 included an inventory of trees, saplings and shrubs. This survey confirmed the absence of trees, saplings, and shrubs within 50 feet of the proposed centerline.

SECTION 3: CONCLUSION

Survey results support the following conclusions.

- 1) No wetlands were recorded within the surveyed area.
- 2) No waterbodies were recorded within the surveyed area.
- 3) No evidence of Bald or Golden Eagles was recorded within 0.5 miles of the project centerline.
- 4) No evidence of Bald or Golden Eagle habitat was recorded within 0.5 miles of the project centerline.
- 5) No evidence of whooping crane habitat was recorded within the surveyed area and therefore the project will have no effect on this species.
- 6) No evidence of gray wolf habitat was recorded within the surveyed area and therefore the project will have no effect on this species.
- 7) No trees, saplings or shrubs were recorded within 50 feet of the proposed centerline.

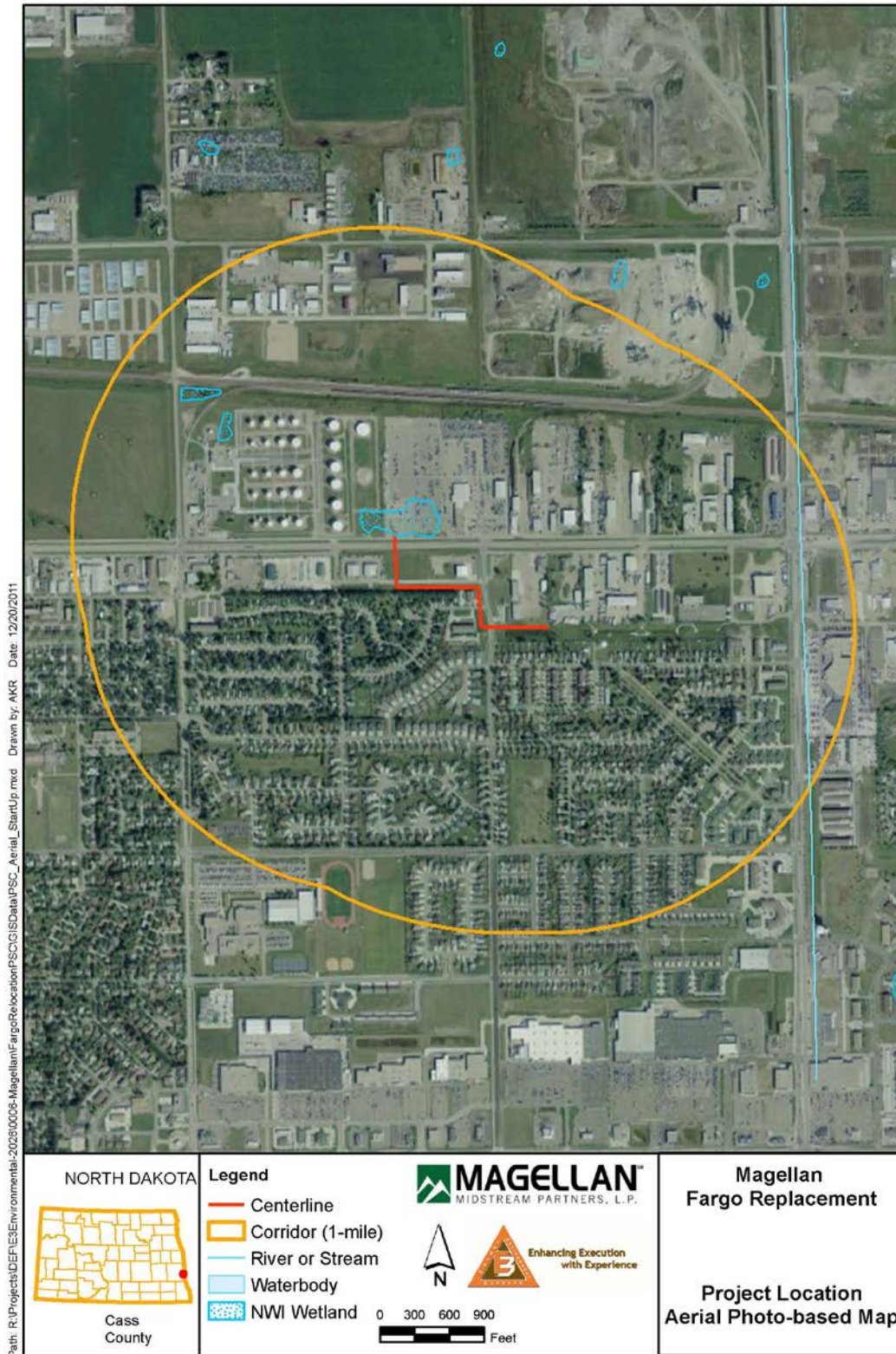
SECTION 4: LIST OF PREPARERS

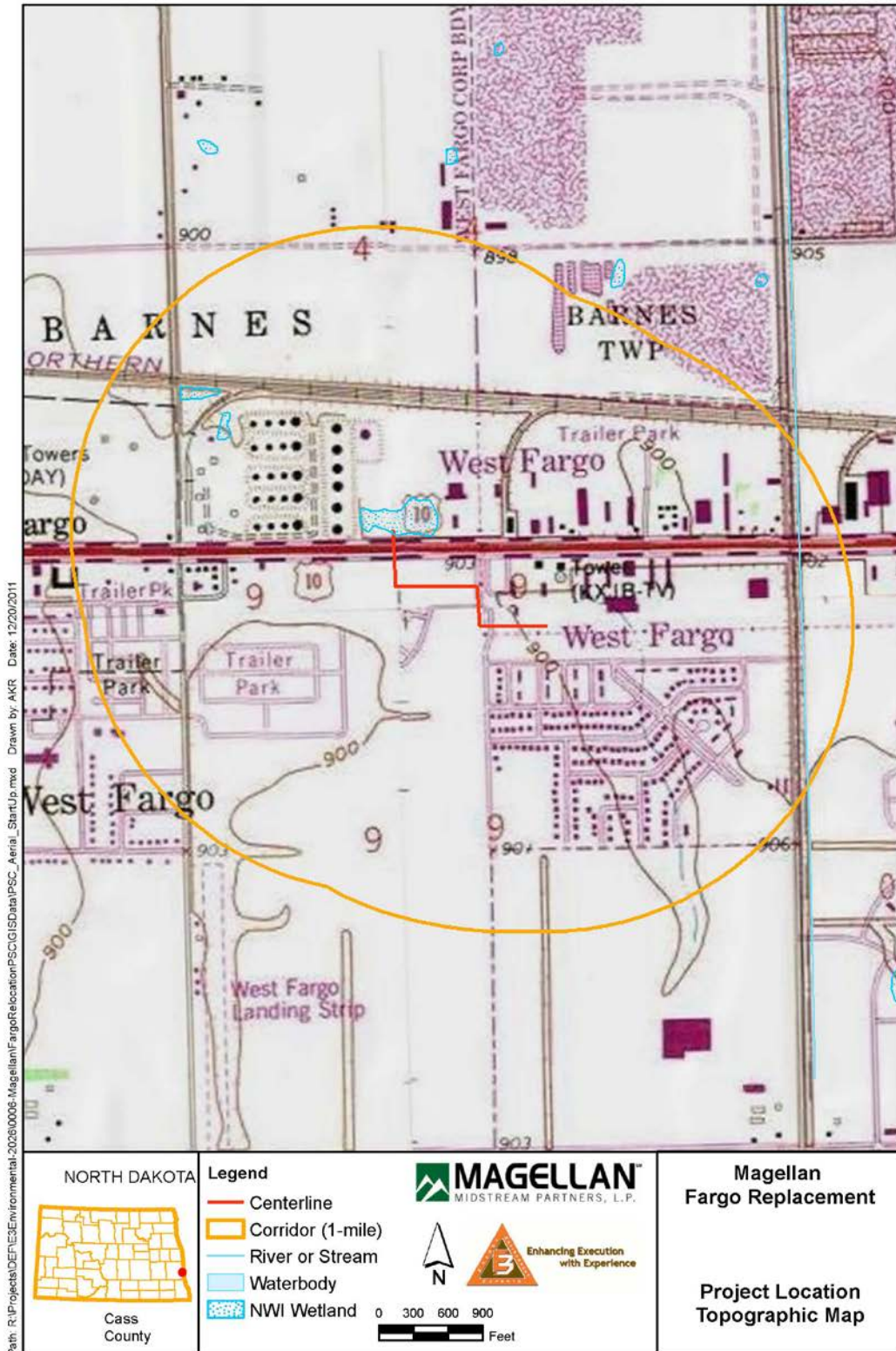
William McCarthy, C.W.B.
Senior Environmental Compliance Analyst
E3 Environmental, LLC, 817 Vandalia Street, St. Paul, MN 55114

M.S. Wildlife Biology, University of Minnesota – Twin Cities; and B.S. Wildlife Biology, Michigan State University. Mr. McCarthy is an environmental compliance analyst with 15 years of environmental consulting experience working with various energy assets and regulatory agencies. As a compliance analyst he has managed the environmental requirements for facility siting, pipeline routing, federal licensing, and various federal, state and local permits. Mr. McCarthy is a certified wildlife biologist and in this role conducts and coordinates field studies, agency consultations, mitigation and avoidance plans.

Appendix A

Project Maps





Appendix B

Photographs



North terminus and tanks



North terminus and Main Ave. road bore workspace



Main Ave. road bore looking south



Approach to Main Ave. looking north



West Of 17th Street east/west ROW looking east



17th Street road bore looking north



17th Street east road bore work space and retention pond



Pipeline marker near east terminus