



MEMO

Date:

June 19, 2019

To:

ONEOK Bakken Pipeline, L.L.C.

From:

Merjent, Inc.

Subject:

Environmental survey results for new PSC Corridor and Route adjustments (MP 0 and MP 20)

Environmental surveys have been completed in full for two new North Dakota Public Service Commission (NDPSC) Corridor adjustments along the ONEOK Bakken Pipeline, L.L.C. Demicks Lake Pipeline project. The Corridor adjustments are located at the eastern terminus of the route (milepost 0.0) and between mileposts 20.0 and 21.2 of the new Route and Corridor. Environmental surveys conducted include:

- Cultural resource field investigations (Class III inventory)
- Natural resource field surveys:
 - o Wetlands
 - o Waterbodies
 - o Grassland Habitat
 - o Threatened and endangered species habitat
 - o Eagle and raptor nests
 - o Noxious Weeds
 - o Tree and shrub inventories

Environmental surveys at the two Corridor adjustment locations are described below.

Milepost 0.0

Cultural resource surveys for the expanded Corridor occurred in 2019 and were reported to North Dakota State Historic Preservation Office (NDSHPO) in the report: "Second Addendum to Demicks Lake Pipeline: A Class III Cultural Survey in McKenzie County, North Dakota". No cultural resources were identified during the survey, and NDSHPO concurred with the report and findings in a letter dated May 29, 2019. This letter was filed with the NDPSC on June 6, 2019.

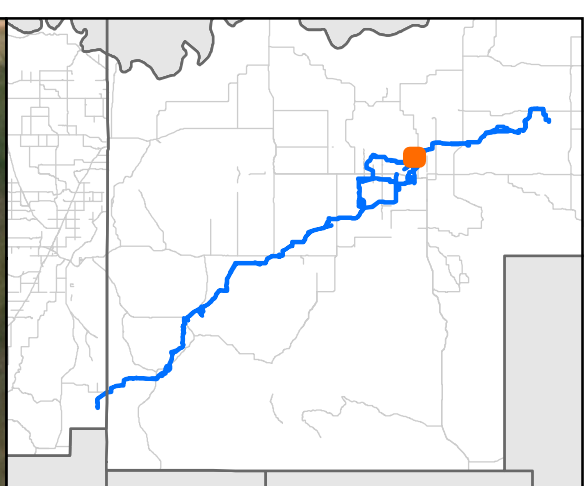
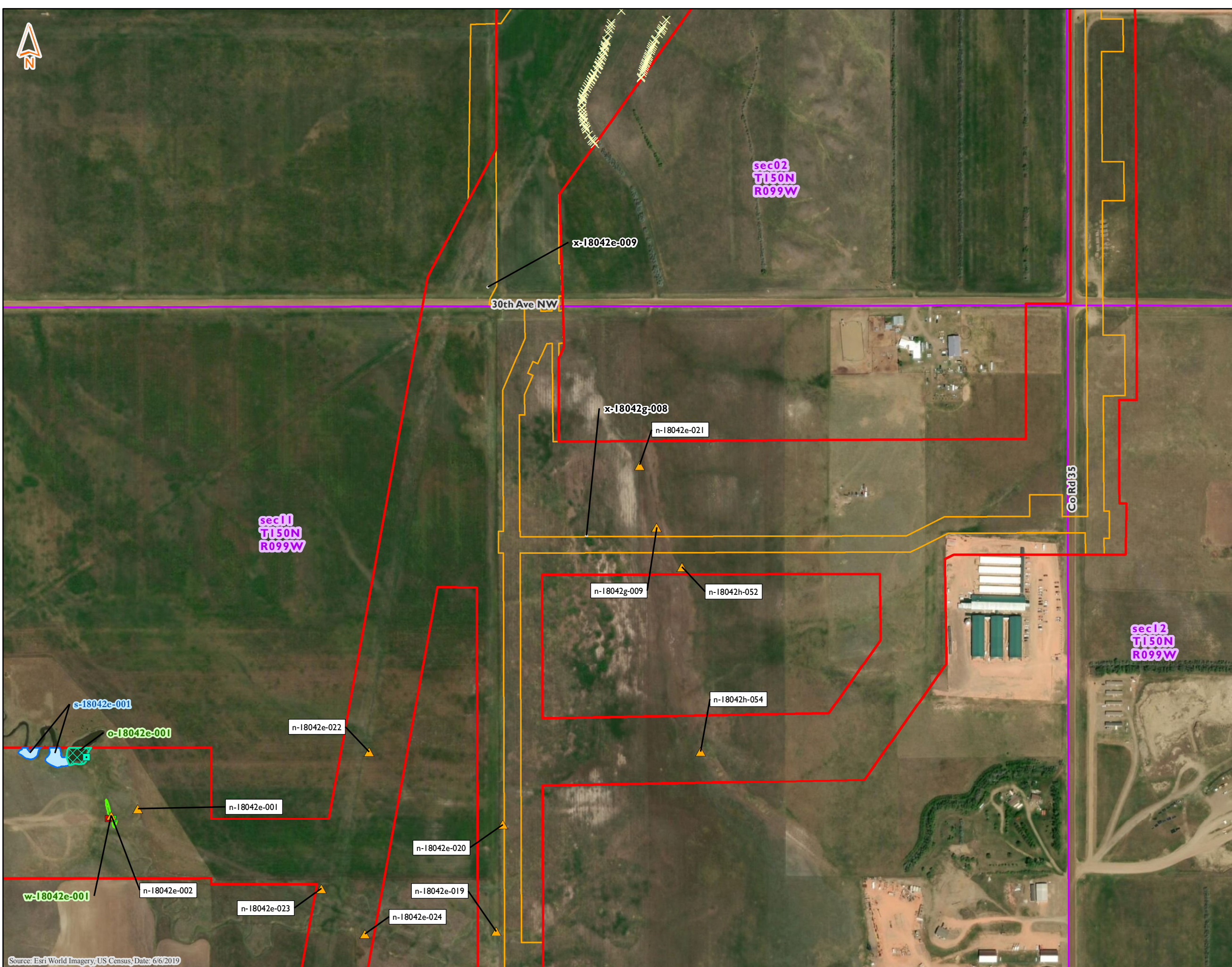
A natural resource survey review for the expanded Corridor at milepost 0.0 occurred in 2019. This area is located within the Demicks Lake Natural Gas Plant footprint. The Plant is currently under construction; therefore, no environmental features were identified in the survey area.

Milepost 20.0 – 21.2

Cultural resource surveys for the modified Corridor and Route occurred in 2018 and 2019. No cultural resources were identified within the modified Corridor from approximate milepost 20.0 to 21.2. The survey coverage and corresponding report status for this area is outlined in the table below.

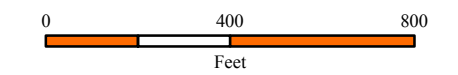
Survey Report Title	Survey Year	Milepost Range Covered	SHPO Response Date	NDPSC Filing Date
Demicks Lake Pipeline: A Class III Cultural Resource Survey in McKenzie County, North Dakota (Original Report)	2018	20.0 – 20.35 20.75 – 21.00	3/4/2019	4/3/2019 (Exhibit 9)
Addendum to Demicks Lake Pipeline: A Class III Cultural Resource Survey in McKenzie County, North Dakota Class III (1 st Addendum Report)	2018	21.05 – 21.2	4/2/2019	4/3/2019 (Exhibit 12)
Second Addendum to Demicks Lake Pipeline: A Class III Cultural Resource Survey in McKenzie County, North Dakota Class III (2 nd Addendum Report)	2019	20.35 – 20.75 21.0 – 20.05	5/29/2019	6/6/2019

Natural resource surveys were also conducted for the modified Corridor and Route between milepost 20.0 and 21.2 in 2018 and 2019. The modified Corridor and Route cross five tree rows, and one patch of noxious weeds. No wetlands, waterbodies, grassland habitat, or threatened or endangered species habitat were identified in the modified Corridor except wind row trees which are potentially suitable for Northern long-eared bat roosting. Refer to the attached maps for results of surveys in this area.

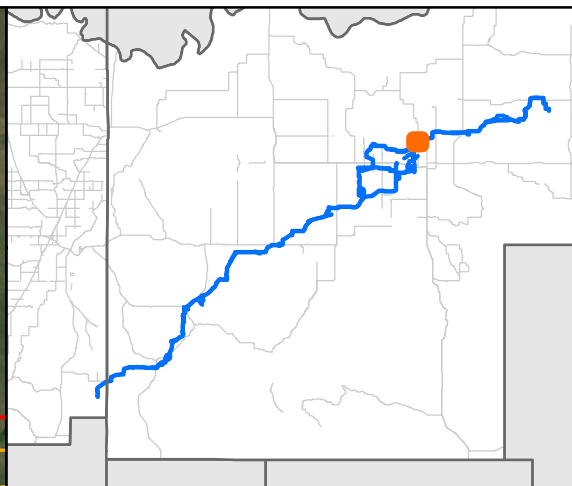
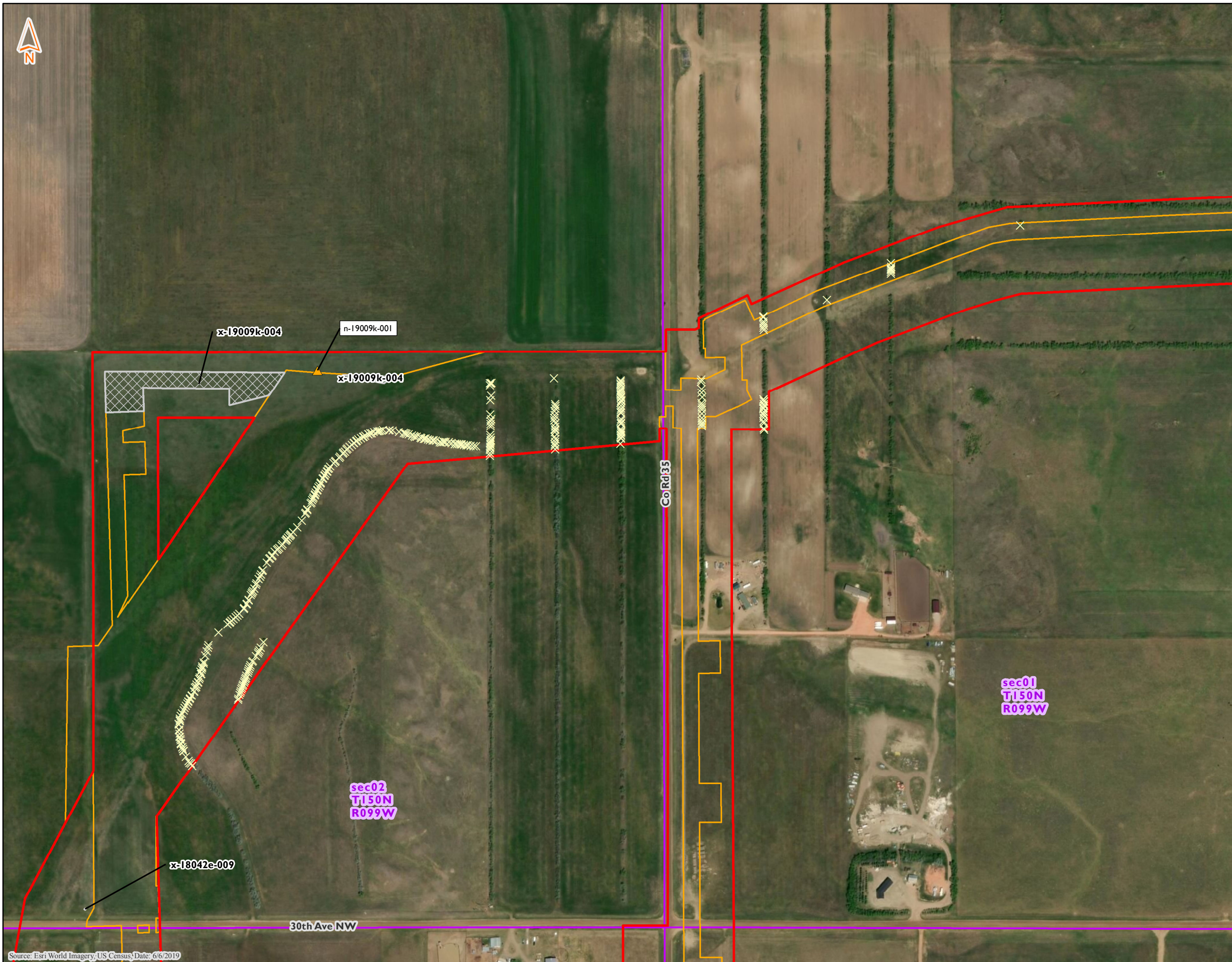


**Delineated Features
Demicks Lake Pipeline Project
ONEOK Bakken Pipeline, L.L.C.
McKenzie County, North Dakota**

- Northern Long-Eared Bat Roosting Tree
- Non-NHD/NWI Point
- PEM Data Point
- PFO Data Point
- PSS Data Point
- PUB Data Point
- Upland Data Point
- Delineated PEM Wetland
- Delineated PFO Wetland
- Delineated PSS Wetland
- Delineated PUB Wetland
- Preliminary Wetland Delineation
- Delineated Waterbody
- Preliminary Waterbody Delineation
- Noxious Weed Occurrence
- Untilled Grassland
- Little Missouri National Grasslands
- Golden Eagle Nest Area
- PLSS Section
- Unserved Area -No Landowner Permission
- Surveyed Proposed Workspace
- Environmental Survey Corridor (5/7/2019)

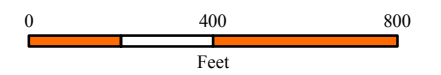


Source: Esri World Imagery, US Census, Date: 6/6/2019



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- Untilled Grassland
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- Golden Eagle Nest Area
- PLSS Section
- Unsurveyed Area -No Landowner Permission
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- Environmental Survey Corridor (5/7/2019)



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