

May 26, 2022



VIA FEDERAL EXPRESS

Mr. Steven Kahl
Executive Secretary
North Dakota Public Service Commission
600 E. Boulevard, Dept. 408
Bismarck, ND 58505-0480

**RE: Badger Wind, LLC's Application for a Certificate of Site Compatibility for the Badger Wind Project in McIntosh and Logan Counties, North Dakota
Case No. PU-22-086**

Dear Mr. Kahl:

Enclosed for filing for Badger Wind, LLC ("Badger Wind") in connection with the above-referenced matter are an original and six (6) copies of the following documents:

1. Updated Figures 1-11 in support of the Badger Wind Project.

Electronic copies of the enclosed documents and this letter were filed with the Commission today via e-mail, and hard copies are being sent to the Commission via Federal Express. Additionally, associated GIS shapefiles are being provided to the Commission on the enclosed USB drive.

If you have any questions, please let me know.

Sincerely,

A handwritten signature in black ink that reads "Mollie M. Smith". The signature is written in a cursive style.

MOLLIE M. SMITH

MMS/ms/76162803
Enclosures

cc: Victor Schock (w/ encls.)
Mitchell Armstrong (w/ encls.)
Sarah Aftergood (w/ encls.)

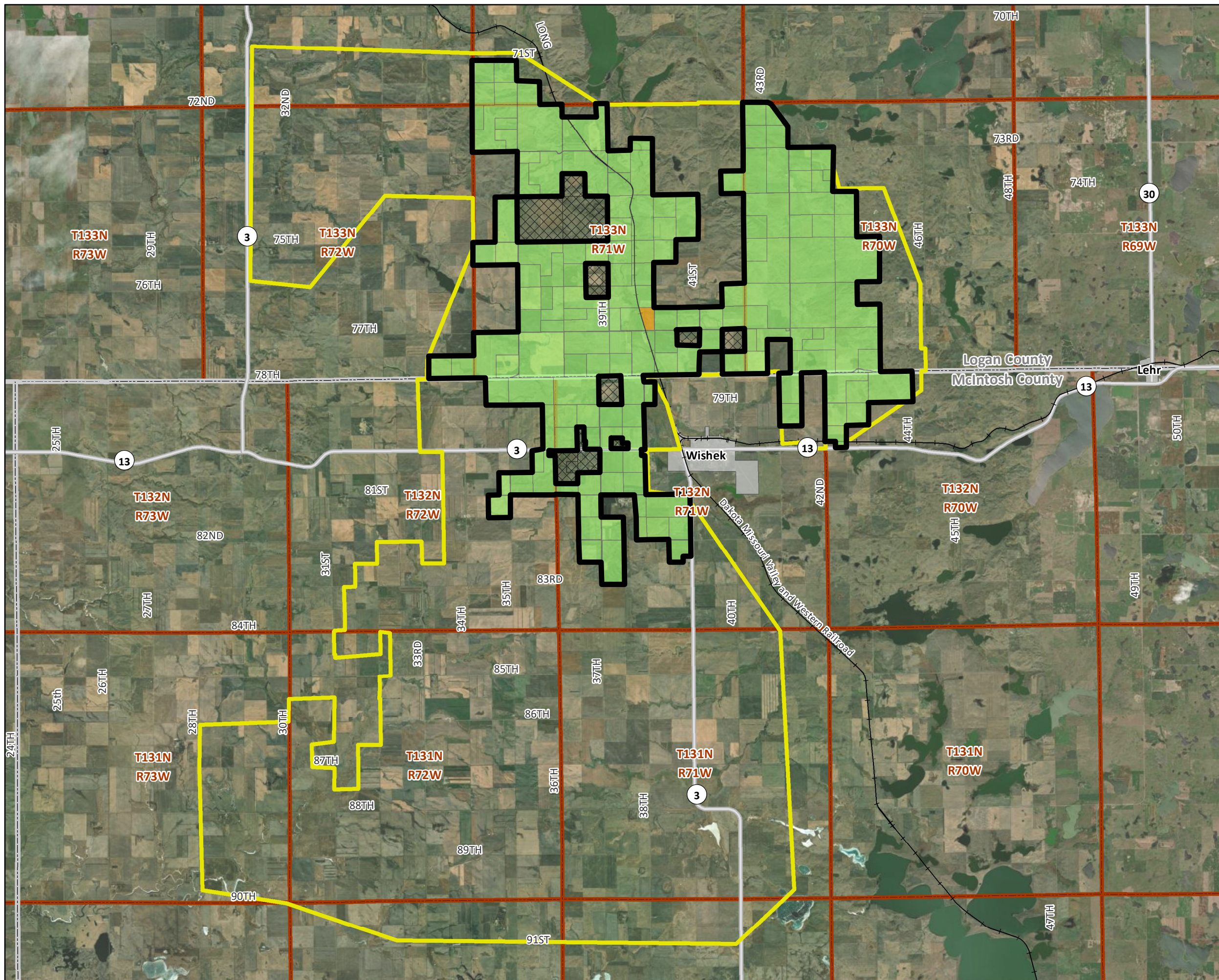
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Minneapolis, Minnesota
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15 PU-22-86 Filed 05/26/2022 Pages: 12
Updated Figures 1-11 in support of the Badger Wind Project
Badger Wind, LLC
Mollie Smith, Fredrikson&Byron, P.A.



Legend

- Project Area
- Study Area
- Non-Participating Landowner Property
- Pending Landowner Property
- Participating Landowner Property
- State Road
- Railroad
- City/Village
- Township (PLSS)
- County

Source: National Agriculture Imagery Program (2020)

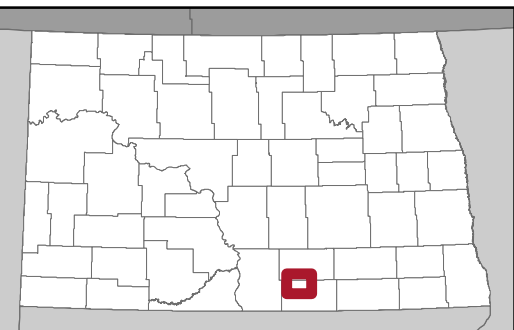
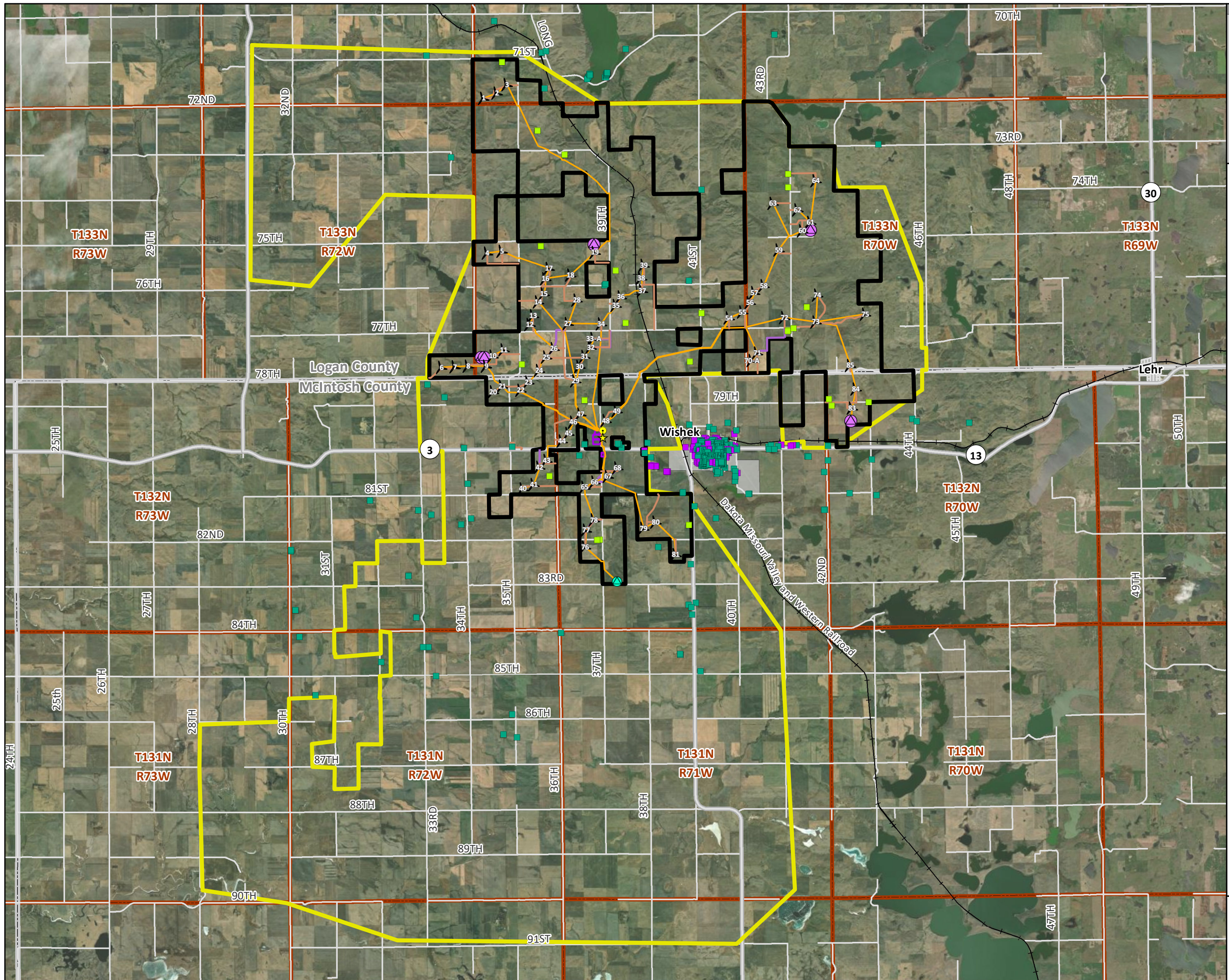
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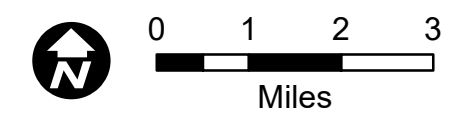
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Figure 1
Project Location
Logan and McIntosh Counties, North Dakota



- Legend**
- Proposed Turbine (symbols not to scale)
 - Potential Permanent MET Tower Location
 - Proposed ADLS Tower
 - Proposed O&M Building
 - Proposed Substation
 - Proposed Underground Collection Line
 - Proposed Crane Path
 - Proposed Access Road
 - Proposed Laydown Yard
 - Project Area
 - Study Area
 - Participating Occupied Residence
 - Non-Participating Occupied Residence
 - Community Building
 - Highway
 - County/Township Road
 - Railroad
 - City/Village
 - Township (PLSS)
 - County

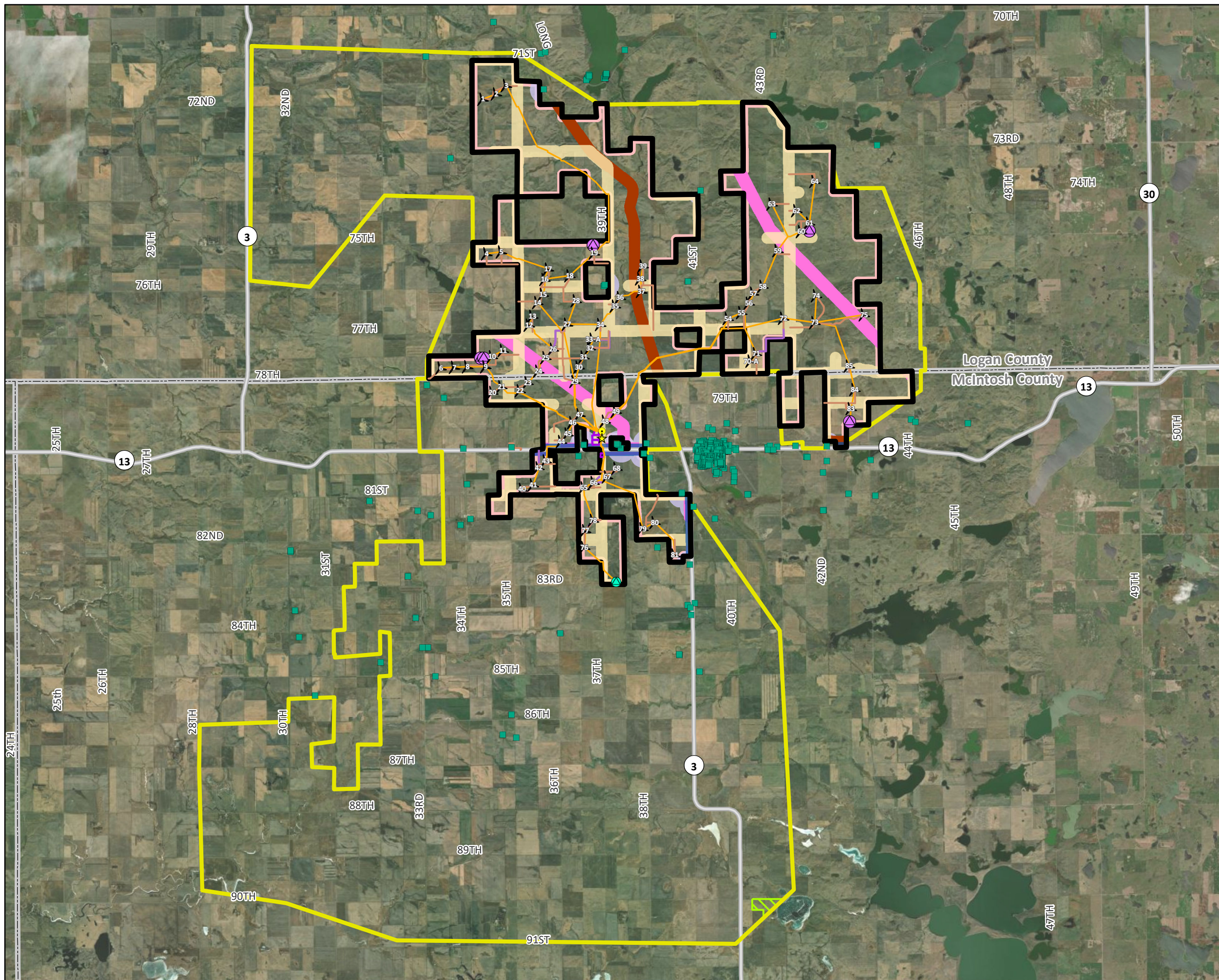
Source: National Agriculture Imagery Program (2020)



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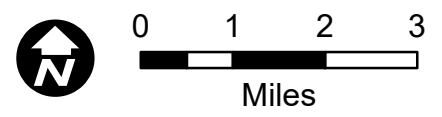
Figure 2
Project Facilities
Logan and McIntosh Counties, North Dakota



- Legend**
- Proposed Turbine (symbols not to scale)
 - Potential Permanent MET Tower Location
 - Proposed ADLS Tower
 - Proposed O&M Building
 - Proposed Substation
 - Proposed Underground Collection Line
 - Proposed Crane Path
 - Proposed Access Road
 - Proposed Laydown Yard
 - Project Area
 - Study Area
 - State Road
 - County
 - Non-Participating Occupied Residence
- Exclusion Area**
- Waterfowl Production Area
 - Railroad
 - State Road
 - County and Maintained Township Road
 - Existing Transmission Line
 - Non-Participating Occupied Residence
 - Non-Participating Property Line

Note: Archaeological Sites are omitted.

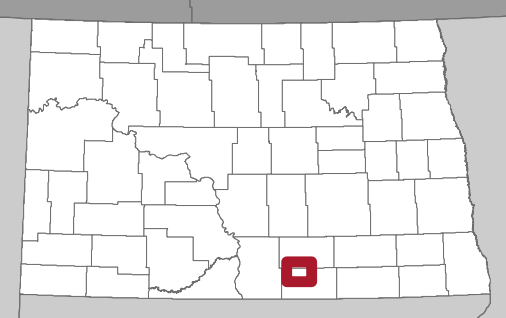
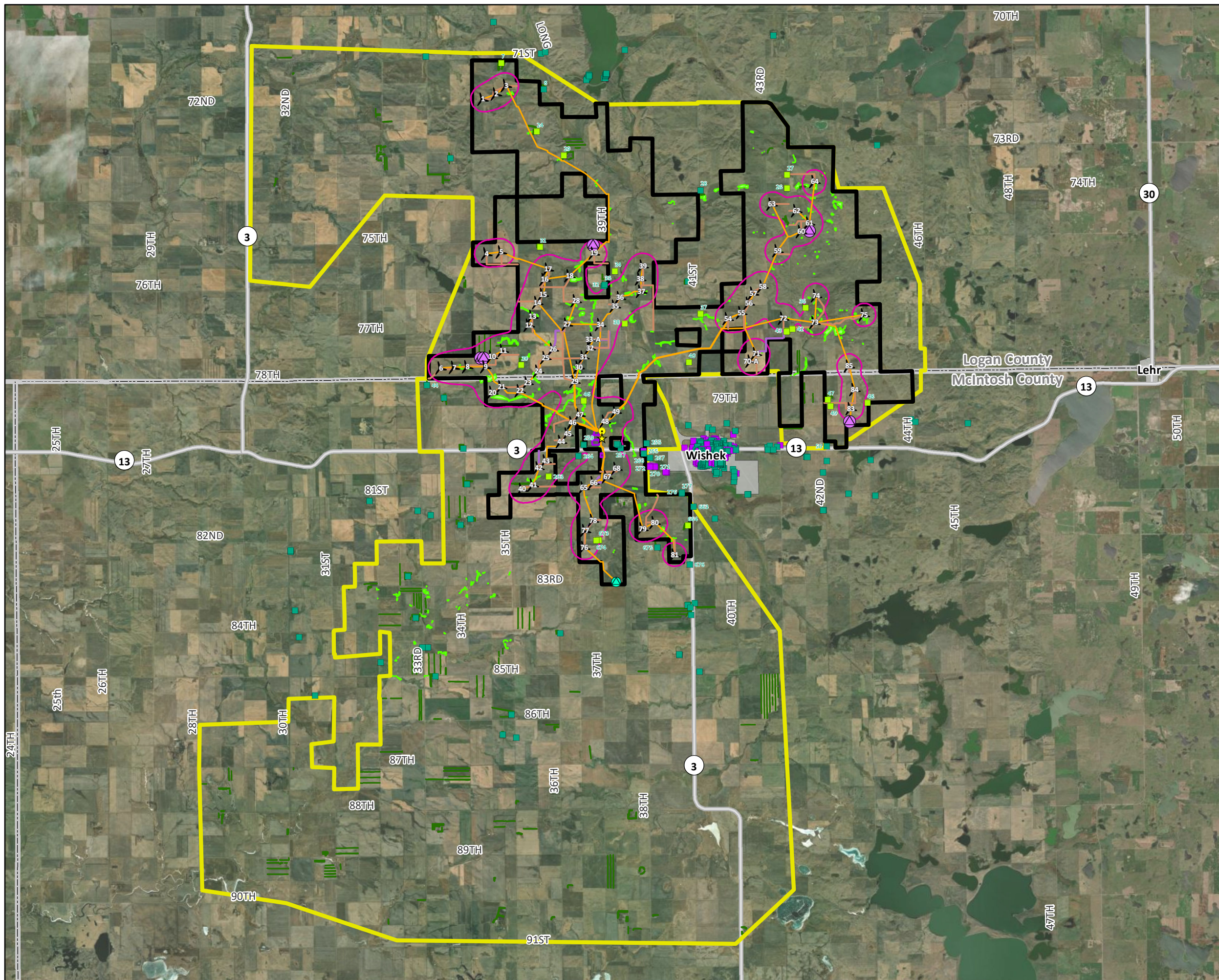
Source: National Agriculture Imagery Program (2020)



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Figure 3
Exclusion Areas
Logan and McIntosh Counties, North Dakota



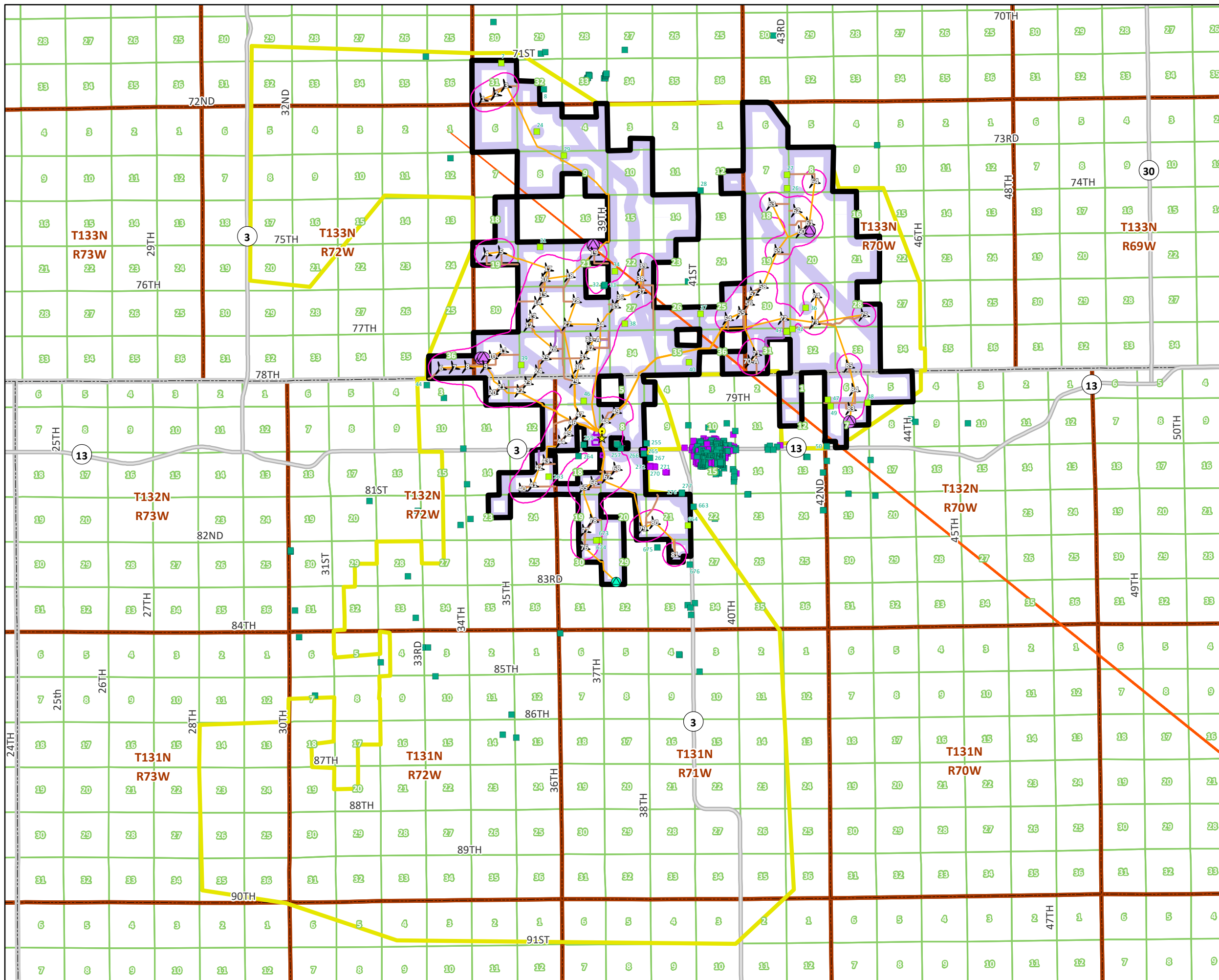
- Legend**
- Proposed Turbine (symbols not to scale)
 - Potential Permanent MET Tower Location
 - Proposed ADLS Tower
 - Proposed O&M Building
 - Proposed Substation
 - Proposed Underground Collection Line
 - Proposed Crane Path
 - Proposed Access Road
 - Proposed Laydown Yard
 - Project Area
 - Study Area
 - State Road
 - County
- Avoidance_Areas**
- Participating Occupied Residence
 - Non-Participating Occupied Residence
 - Community Building
 - 45 dBA Sound Level Isoline
 - Woodlands (Desktop Delineation)
 - Wetland (Field Verified)
 - City/Village



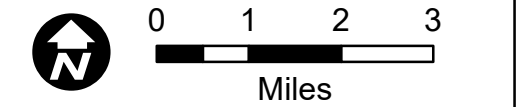
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Figure 4
Avoidance Areas
Logan and McIntosh Counties, North Dakota

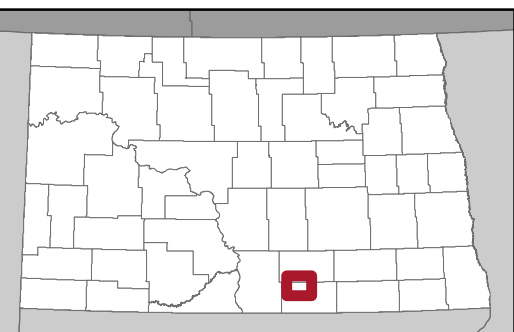
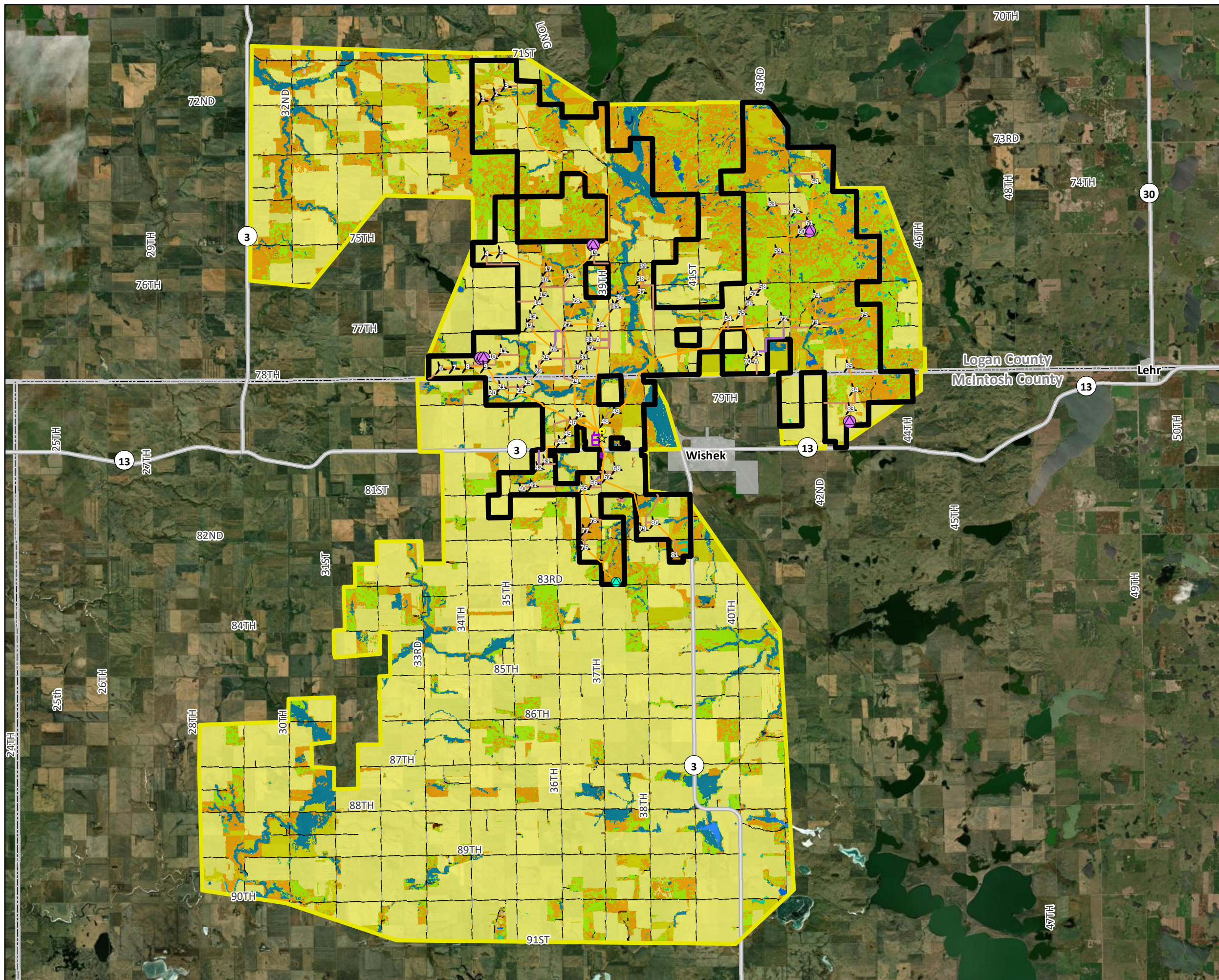


- Legend**
- Proposed Turbine (symbols not to scale)
 - Potential Permanent MET Tower Location
 - Proposed ADLS Tower
 - Proposed O&M Building
 - Proposed Substation
 - Proposed Underground Collection Line
 - Proposed Crane Path
 - Proposed Access Road
 - Proposed Laydown Yard
 - Project Area
 - Study Area
 - State Road
 - Township (PLSS)
 - Section (PLSS)
 - County
 - Participating Occupied Residence
 - Non-Participating Occupied Residence
 - Community Building
 - 45 dBA Sound Level Isoline
 - Microwave Beam Path
 - Setback

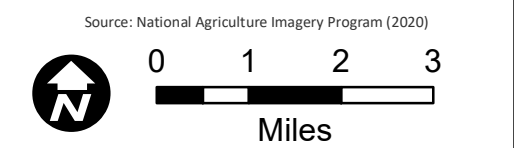


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Figure 5
Project Setbacks
Logan and McIntosh Counties, North Dakota

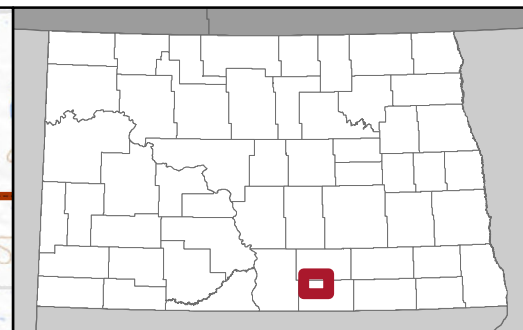
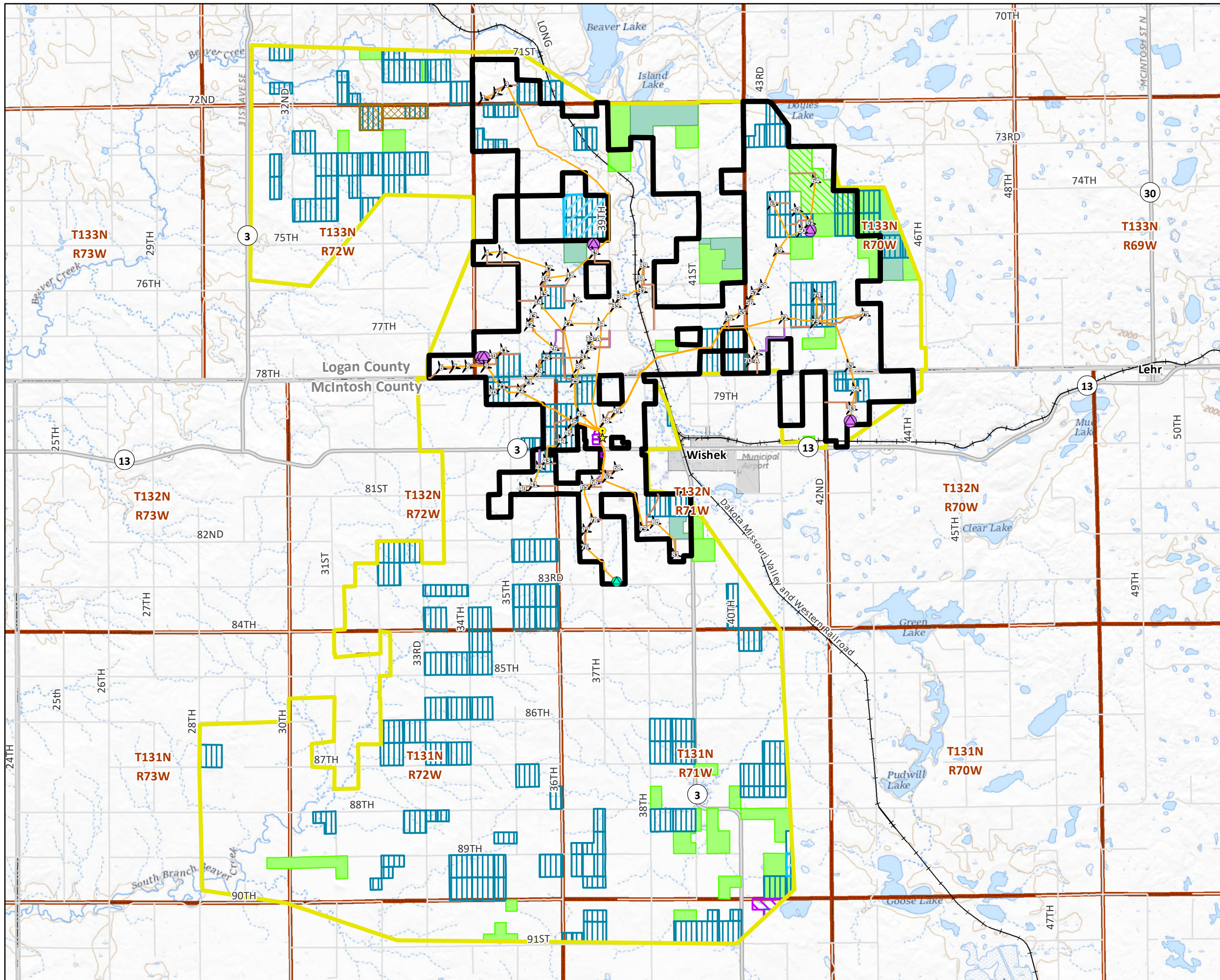


- Legend**
- Proposed Turbine (symbols not to scale)
 - Potential Permanent MET Tower Location
 - Proposed ADLS Tower
 - Proposed O&M Building
 - Proposed Substation
 - Proposed Underground Collection Line
 - Proposed Crane Path
 - Proposed Access Road
 - Proposed Laydown Yard
 - Project Area
 - Study Area
 - State Road
 - City/Village
 - County
- Land Cover (USGS, 2020)**
- Badlands
 - Cropland
 - Developed
 - Herbaceous Wetland
 - Mixedgrass Prairie
 - Open Water
 - Pasture/Hayland
 - Planted Grassland
 - Planted Herbaceous
 - Planted Woodland
 - Prairie Pothole
 - Riparian Herbaceous
 - Riparian Woodland
 - Roads
 - Shrubland
 - Tallgrass Prairie
 - Wooded Draw/Ravine Woodland



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Figure 6
Land Cover and Use
Logan and McIntosh Counties, North Dakota



- Legend**
- Proposed Turbine (symbols not to scale)
 - Potential Permanent MET Tower Location
 - Proposed ADLS Tower
 - Proposed O&M Building
 - Proposed Substation
 - Proposed Underground Collection Line
 - Proposed Crane Path
 - Proposed Access Road
 - Proposed Laydown Yard
 - Project Area
 - Study Area
 - State Road
 - County/Township Road
 - Railroad
 - City/Village
 - Township (PLSS)
 - County
 - Existing Public Lands and Easements**
 - NDGF PLOTS Land
 - North Dakota Trust Lands - Surface
 - North Dakota Trust Lands - Mineral
 - USFWS Waterfowl Production Area
 - USFWS Grassland Easement
 - USFWS Wetland Easement
 - USFWS Wetland Easement obtained subsequent to Project lease agreement

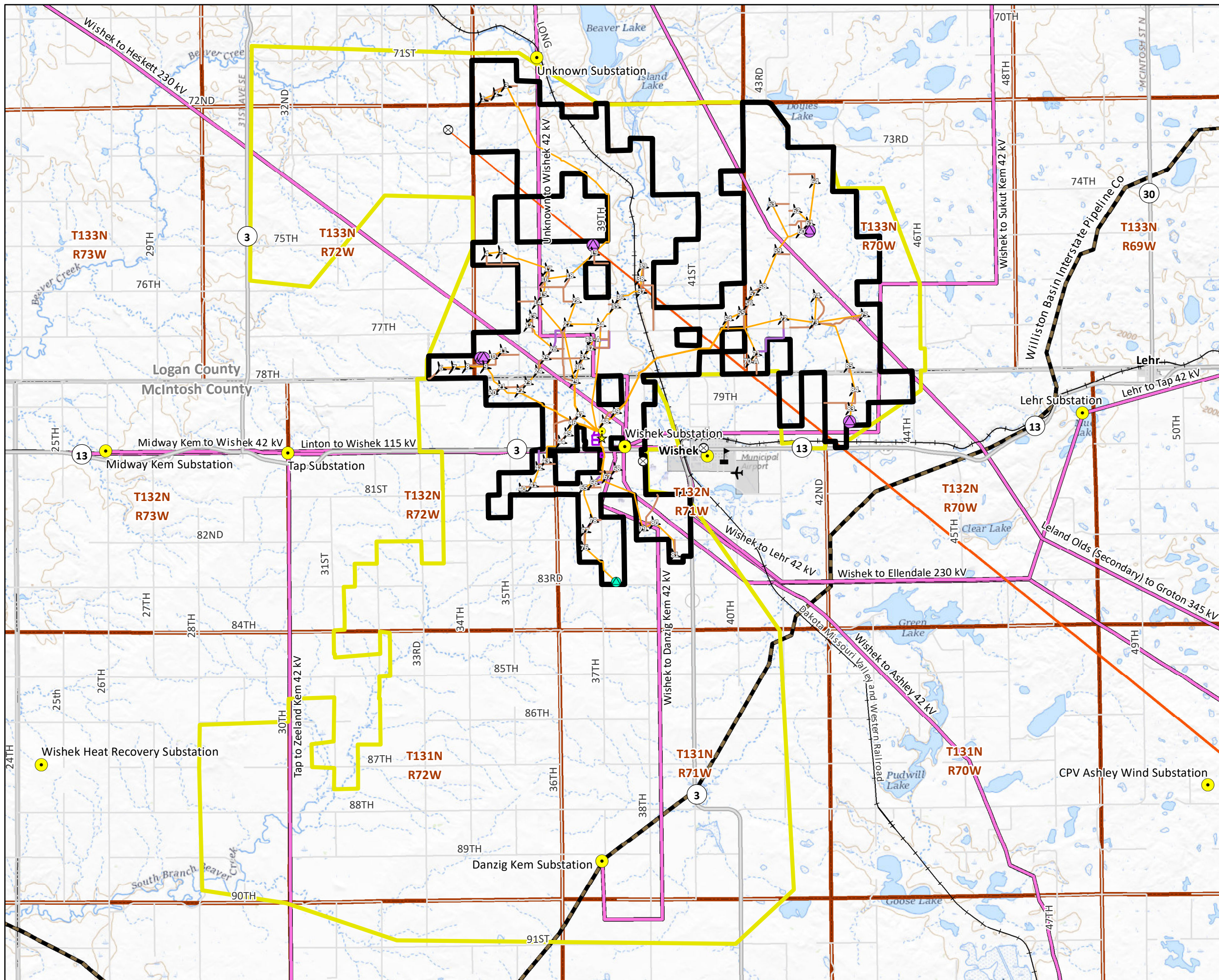
Source: esri USGS Topo Basemap

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Figure 7
Existing Public Lands and Easements
Logan and McIntosh Counties, North Dakota



- Legend**
- Proposed Turbine (symbols not to scale)
 - Potential Permanent MET Tower Location
 - Proposed ADLS Tower
 - Proposed O&M Building
 - Proposed Substation
 - Proposed Underground Collection Line
 - Proposed Crane Path
 - Proposed Access Road
 - Proposed Laydown Yard
 - Project Area
 - Study Area
 - City/Village
 - Township (PLSS)
 - County
- Existing Infrastructure**
- Airport
 - School
 - Communication Towers
 - Existing Substation
 - Existing Transmission Line
 - Microwave Beam Path
 - Natural Gas Pipeline
 - State Road
 - County/Township Road
 - Railroad

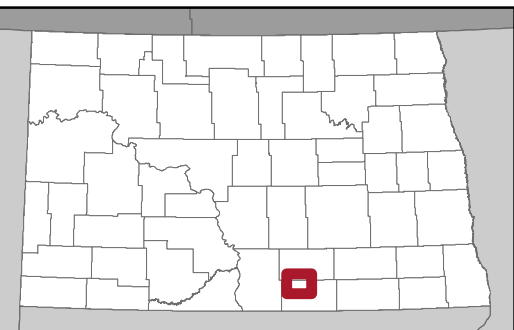
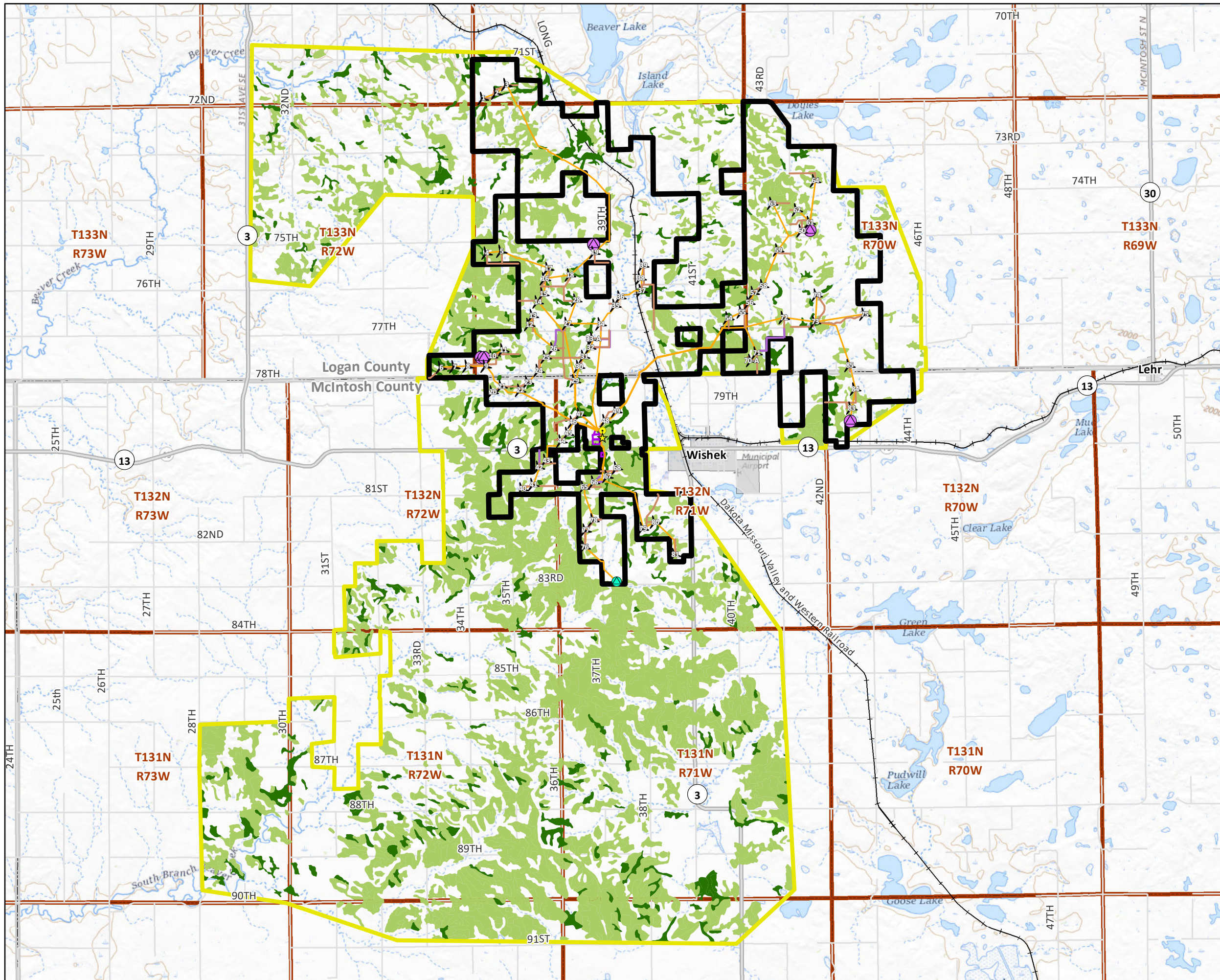
Source: esri USGS Topo Basemap

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Figure 8
Existing Infrastructure
Logan and McIntosh Counties, North Dakota



- Legend**
- Proposed Turbine (symbols not to scale)
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 - Proposed ADLS Tower
 - Proposed O&M Building
 - Proposed Substation
 - Proposed Underground Collection Line
 - Proposed Crane Path
 - Proposed Access Road
 - Proposed Laydown Yard
 - Project Area
 - Study Area
 - State Road
 - County/Township Road
 - Railroad
 - City/Village
 - Township (PLSS)
 - County
 - Prime Farmland
 - Farmland of Statewide Importance
 - Prime farmland if drained

Source: esri USGS Topo Basemap

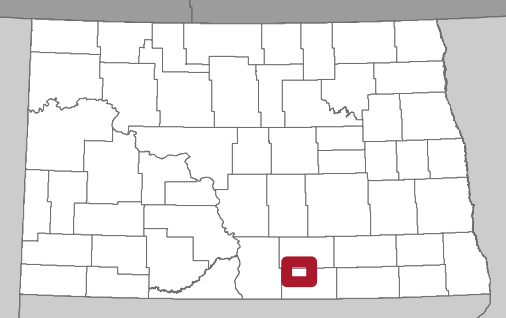
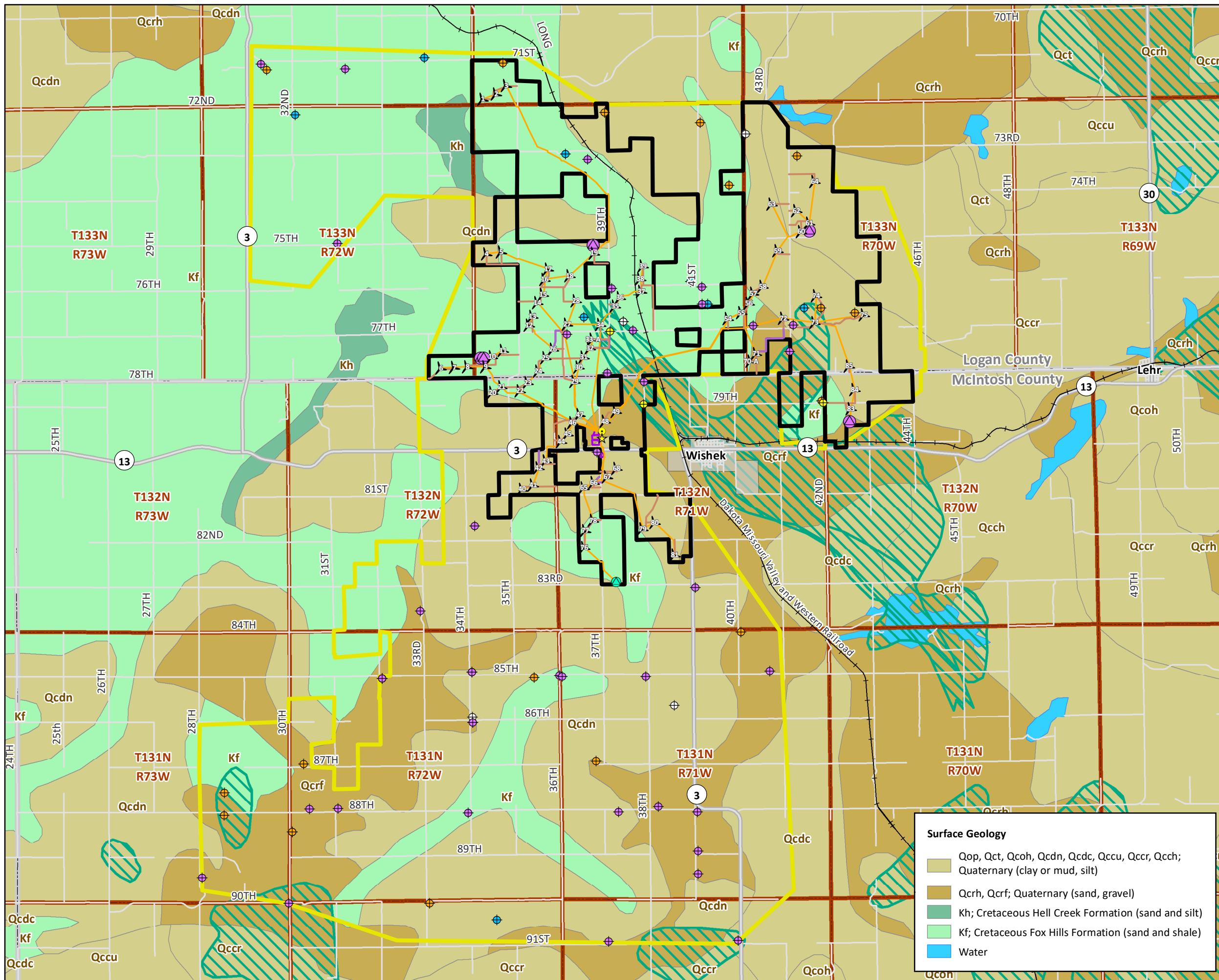
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Figure 9
Prime and Unique Farmland
Logan and McIntosh Counties, North Dakota



- Legend**
- Proposed Turbine (symbols not to scale)
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 - Proposed O&M Building
 - Proposed Substation
 - Proposed Underground Collection Line
 - Proposed Crane Path
 - Proposed Access Road
 - Proposed Laydown Yard
 - Project Area
 - Study Area
 - State Road
 - County/Township Road
 - Railroad
 - City/Village
 - Township (PLSS)
 - County
 - Domestic Well
 - Observation Well
 - Stock Well
 - Plugged/Test Well
 - Unknown Well
 - Surficial Aquifer

- Surface Geology**
- Qop, Qct, Qcoh, Qcdn, Qcdc, Qccu, Qccr, Qcch; Quaternary (clay or mud, silt)
 - Qcrh, Qcrf; Quaternary (sand, gravel)
 - Kh; Cretaceous Hell Creek Formation (sand and silt)
 - Kf; Cretaceous Fox Hills Formation (sand and shale)
 - Water

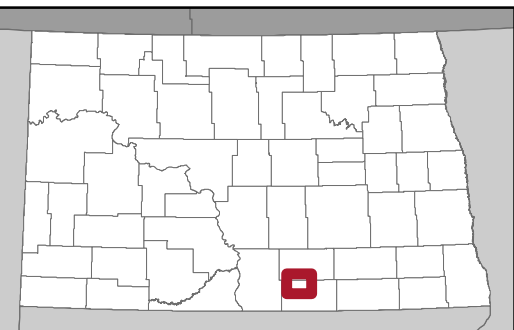
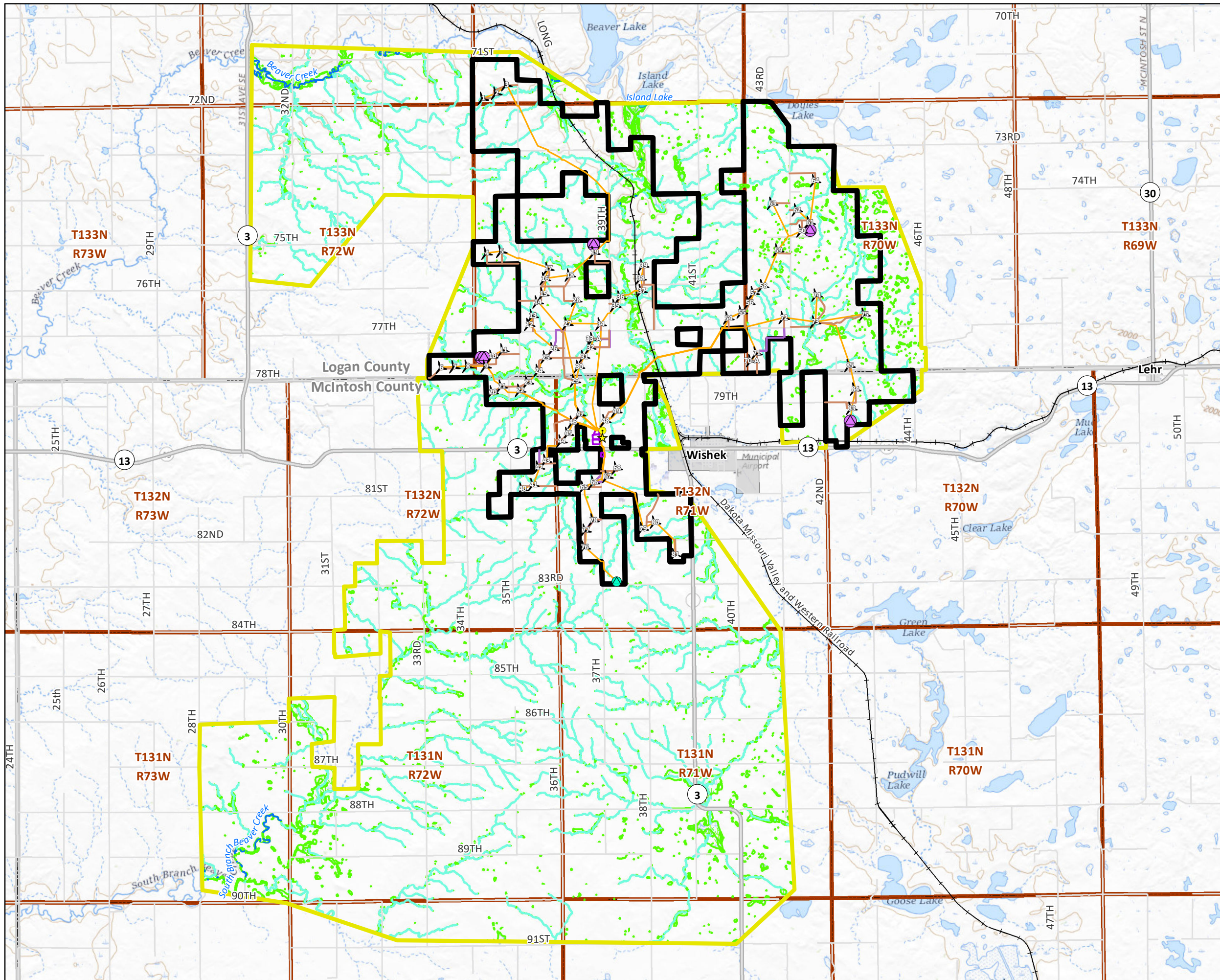
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Figure 10
Geologic and Groundwater Resources
Logan and McIntosh Counties, North Dakota



- Legend**
- Proposed Turbine (symbols not to scale)
 - Potential Permanent MET Tower Location
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 - Proposed Substation
 - Proposed Underground Collection Line
 - Proposed Crane Path
 - Proposed Access Road
 - Proposed Laydown Yard
 - Project Area
 - Study Area
 - State Road
 - County/Township Road
 - Railroad
 - City/Village
 - Township (PLSS)
 - County
 - Perennial Stream (NHD)
 - Intermittent Stream (NHD)
 - Waterbody (NHD)
 - Wetland (NWI)

Source: esri USGS Topo Basemap

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Figure 11
Surface Water and Wetlands
Logan and McIntosh Counties, North Dakota