

Figure 2-5. Visualization of Highway 61 – West Side of Highway, Looking South



Figure 2-6. Visualization of Highway 61 – West Side of Highway, Looking Southwest

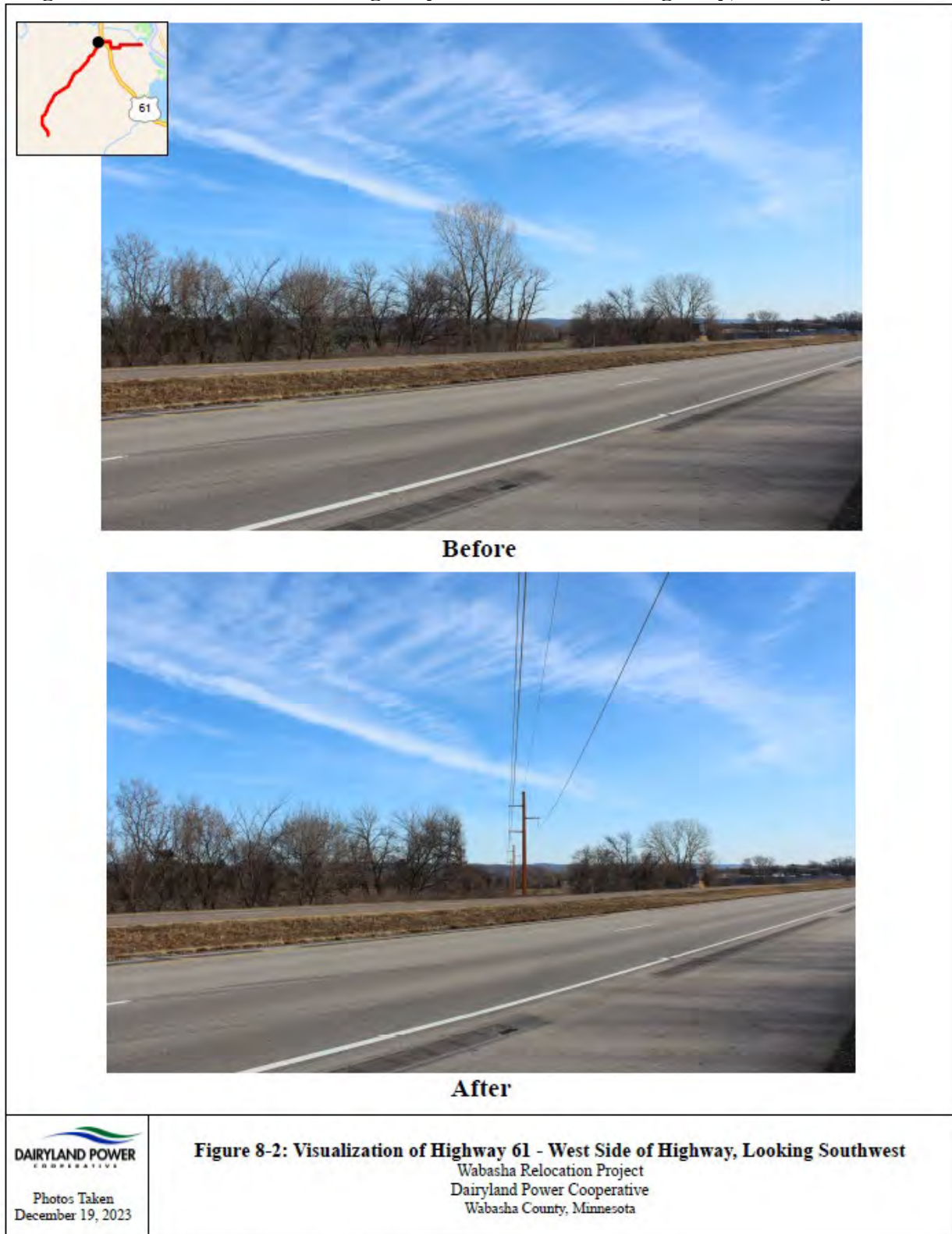


Figure 2-7. Visualization of Highway 61 – East Side of Highway, Looking North



Before



After



Photos Taken
December 19, 2023

Figure 8-3: Visualization of Highway 61 - East Side of Highway, Looking North

Wabasha Relocation Project
Dairyland Power Cooperative
Wabasha County, Minnesota

Diagram 3-1. Transmission Line Construction Sequence

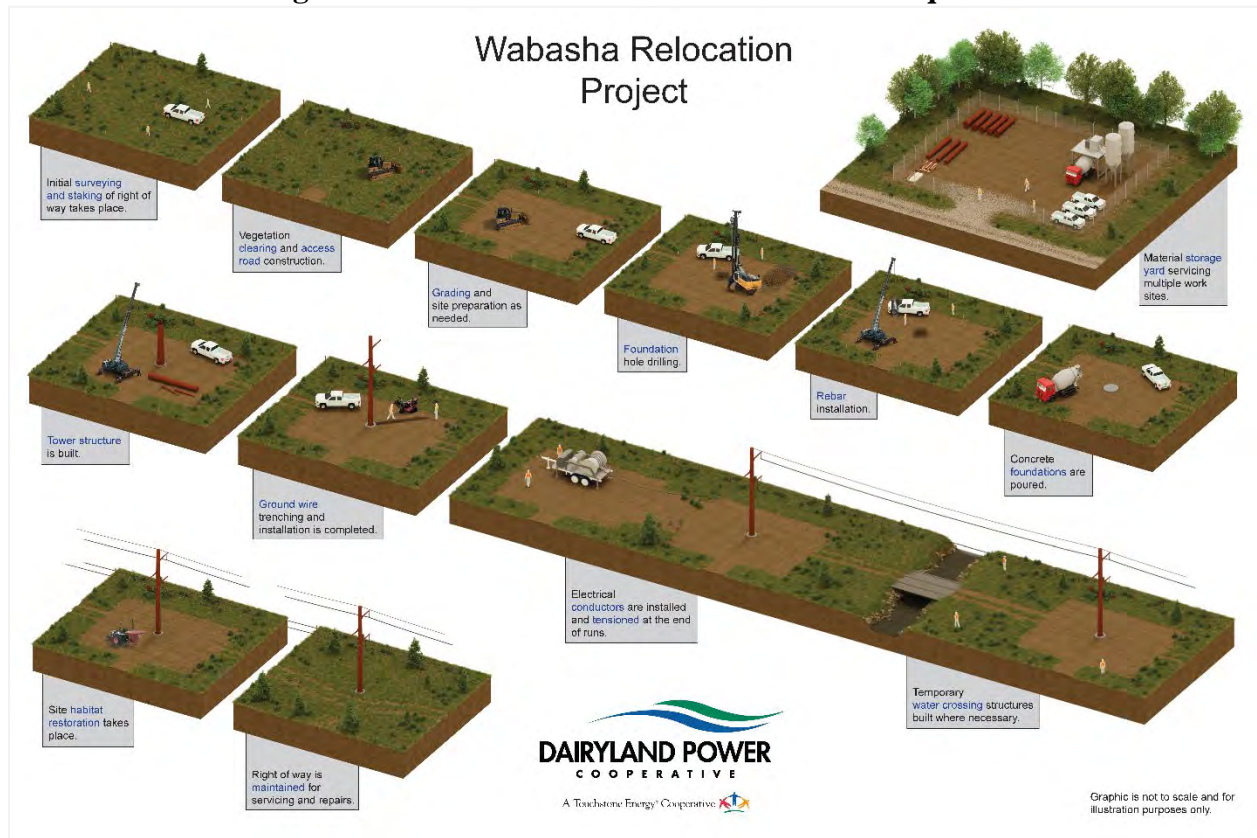


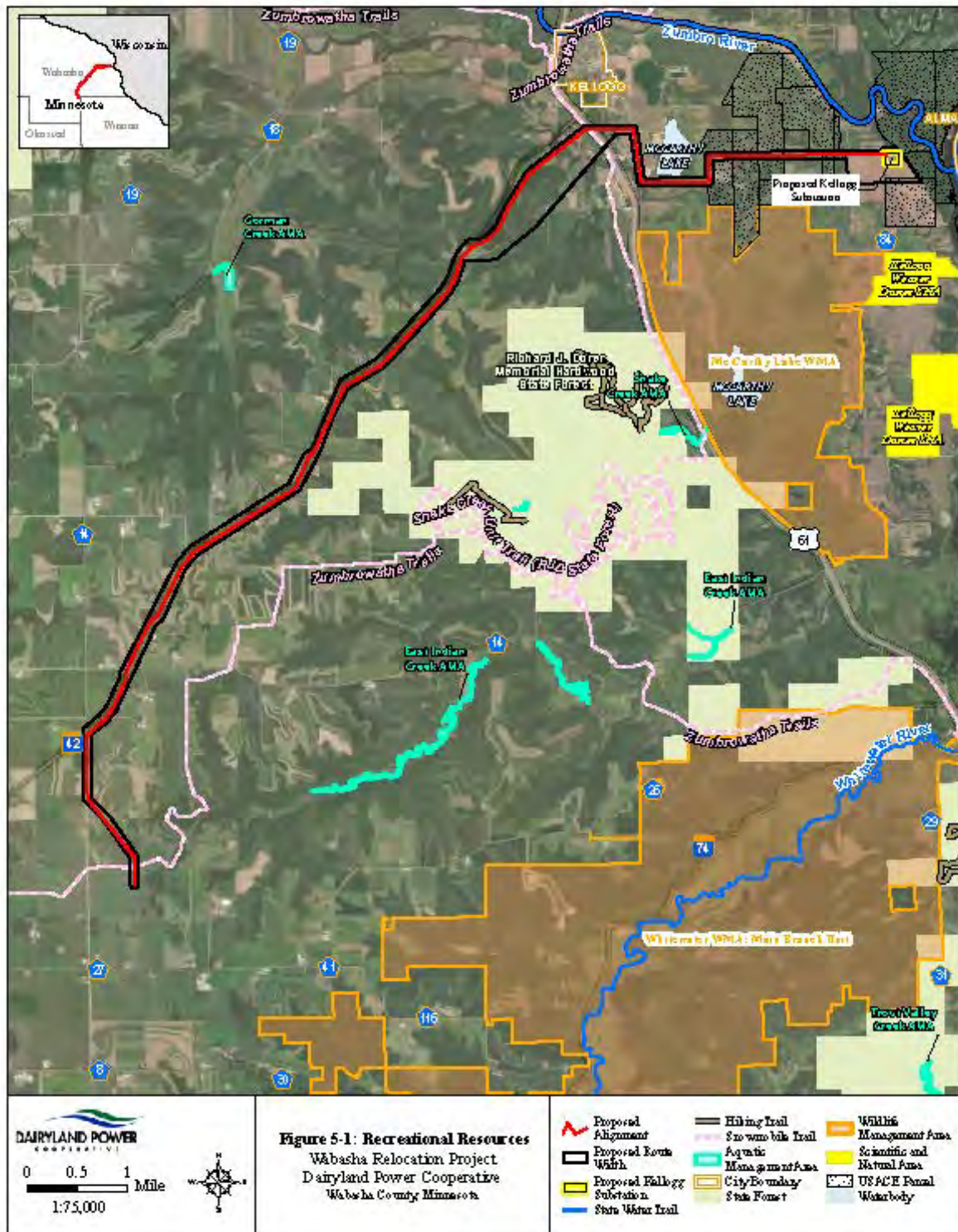
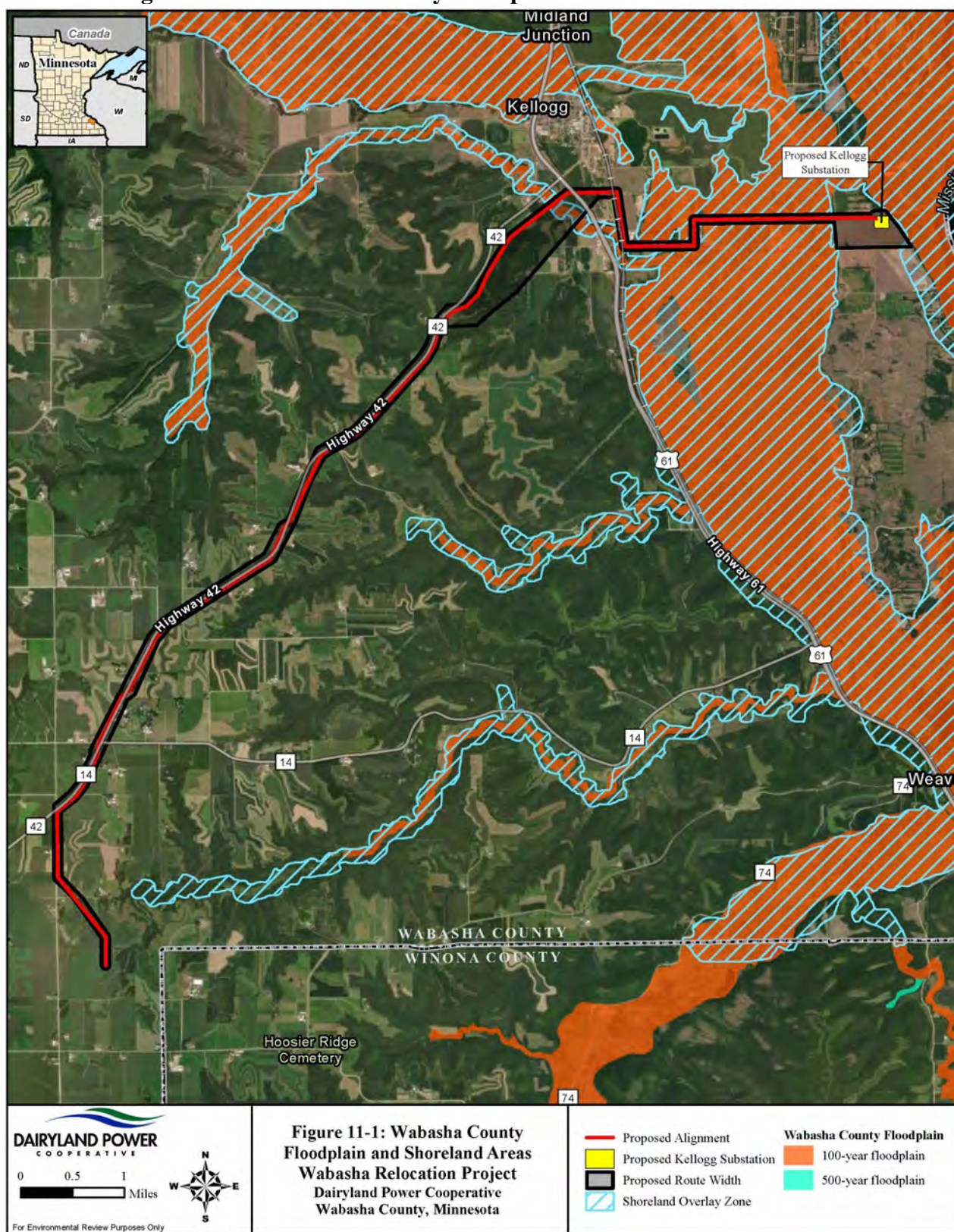
Figure 5-1. Recreational Resources

Figure 11-1. Wabasha County Floodplain and Shoreland Areas

17 APPENDICES

Appendix A Early Notification Memo Applicant Checklist

Utility ENM – Supplemental Information Checklist

Applicant(s):	Dairyland Power Cooperative
Type of Project:	<u>High Voltage Transmission Line</u>
Number of Miles (total project):	13.3 miles
Number of Miles (collocated with MnDOT ROW):	8.1 miles
MnDOT Trunk Highways Potentially Impacted	TH 42, US 61

****NOTE to Project Proposers:** Please provide the following supplemental information, which is required for MnDOT staff to initiate review of utility projects. **

GIS Details

- ☒ Shapefiles and .kml/.kmz's displaying the following Project features (include associated metadata and date of last project/route revision):
 - ☒ Project Centerline¹
 - ☒ Alternative Route(s)¹
 - ☒ Route/Corridor Width (Construction), if known²
 - ☐ Study Area, if applicable²
 - ☒ Additional non-corridor Project details (e.g., substations, compressor stations, valves, staging areas, pipeyards, proposed and/or existing access roads, etc. (if known at time of submittal))
- ☒ Overview map (.pdf format) displaying Project centerline and alternatives (if applicable) with MnDOT Trunk Highways and major features identified. Display full project on one page. Locations of MnDOT Trunk Highways can be accessed [here](#).
 - ☒ Identify locations of detailed maps (see below) on the overview map, and label sequentially for easy identification (e.g., 1, 2, 3 / A, B, C, etc.)
 - ☒ Base layers to include:
 - ☒ Cities
 - ☒ Counties
 - ☒ MnDOT Trunk Highways
 - ☒ [Scenic Byways](#) (within 7-mile buffer)³
 - ☒ Major rivers and waterbodies
 - ☒ National and state-owned or managed lands

¹ Include as a polyline.

² Includes as polygon. May be a buffered corridor based off of the project centerline.

³ Note that not all scenic byways are MnDOT Trunk Highways. Some are county highways.

- ☒ Detailed (zoomed in maps, aerial background, .pdf format) displaying Project details with MnDOT's Trunk Highways identified. Provide a separate map for each Trunk Highway crossing location /collocated segment. Display proposed and existing access locations on state Trunk Highways, if applicable. Indicate if proposed access locations are intended to be permanent or temporary.

NOTE: Detailed maps are only needed for portions of Project that intersect and/or are collocated with MnDOT Trunk Highways. Map extents should show a minimum of 0.5 mile surrounding the MnDOT Trunk Highway.

Please provide a separate map for each detailed map area for each of the following six major topics:

- ☐ Public Land Ownership (federal/state/county/tribal)
- ☐ Protected Biological Resources
 - ☐ Designated Critical Habitat
 - ☐ Rusty Patch Bumble Bee High Potential Zones
 - ☐ Minnesota Department of Natural Resources Native Plant Communities
 - ☐ Minnesota Biological Survey (MBS) Railroad Rights-of-Way Prairies
 - ☐ MBS Sites of Biodiversity Significance
- ☒ Water Resources and Hydrology
 - ☐ National Wetland Inventory (or field-delineated) wetlands
 - ☒ National Hydrography Dataset (NHD) waterbodies
 - ☐ Floodplains
 - ☐ Drinking Water Supply Management Areas
 - ☐ Minnesota Pollution Control Agency (MPCA)-designated [special waters and impaired waters](#) (with a construction related impairment, e.g., turbidity)
- ☒ Potential Contaminated Sites: What's In My Neighborhood (WIMN) sites within 500-feet of MnDOT Trunk Highway at crossings or collocated areas.
 - MPCA WIMN sites: Multiple Programs, Investigation and Cleanup, and Tanks.
 - Minnesota Department of Agriculture WIMN sites: Small Spills and Investigations, Old Emergencies, Contingency Areas, and Incident Investigations.
- ☒ SSURGO Soils Data (display all soils on map; highlight the following)
 - ☒ Highly erodible soils (water/wind)
 - ☒ Steep slopes (water/wind)
- ☒ Scenic Byways
- ☒ Corresponding data tables for desktop GIS data.
 - ☒ Summary table(s) (Excel format) of publicly available GIS data displayed on the detailed maps (see above). Include easy-to-interpret geographic data (e.g., label IDs, latitudinal/longitudinal coordinates [DD]) and metadata for each feature so MnDOT staff can easily cross-reference to the feature on the map.
 - ☒ Reference list of sources of desktop GIS data displayed on maps. Include URL and date of last download.

Non-GIS Information

- ☒ Temporary workspace and permanent easement typical drawings (greenfield and collocated segments, as applicable). Include typical workspace configurations for road crossings, as applicable.
- ☒ Known occurrences of state- or county-listed noxious weeds (see [EDDMapS](#)) in the vicinity of the project. A current state list is available [here](#) and county lists are [here](#). We recommend consulting with the counties directly to verify their list is current.
- ☒ Narrative summary of environmental field surveys done to date. Provide an anticipated schedule for completion, if applicable.
 - ☐ Cultural Resources
 - ☐ Tribal Resources
 - ☐ Wetlands and Waterbodies
 - ☐ Protected Species / Habitat Assessments
 - ☐ Contaminated Materials (Phase I Environmental Site Assessments/Phase II)
 - ☐ Noxious/Invasive Weeds
 - ☐ Other (specify:)
- ☒ Summary of agency consultations/communications/public engagement done to date. If none, provide an anticipated schedule.
- ☒ Is permanent infrastructure expected to be installed within MnDOT's ROW? If so, provide details.
- ☒ Is travel across/along MnDOT's ROW anticipated? If so, provide details and anticipated Best Management Practices to be used (e.g., timber matting, erosion/sediment controls, etc.). Describe if any proposed access locations will be permanent or temporary.
- ☒ Project Schedule/Major Milestones (Minnesota Public Utilities Commission filing, construction/restoration, in-service date, etc.)
- ☒ Vegetation Management Plans
 - ☒ Provide existing vegetation management plans, or anticipated vegetation management strategies associated with the long-term maintenance of the corridor. Plans should describe methods, seasonality, frequency of maintenance activities (e.g., annual growing season broadcast herbicide treatments, brushing every five years during dormant season).

Other

- ☒ **Powerlines:** Utility pole typical drawings (if collocated, include drawings of proposed poles in relation to existing)
 - ☒ Typical pole spacing lengths, typical pole type (e.g., H-frame, T-frame, etc.) and material
 - ☒ Typical pole footprint and depth
- ☐ **Pipelines:**
 - ☐ Plan and profile typical drawings of workspace configurations showing depth of cover, width of workspaces, topsoil stripping, etc.
 - ☐ Pipe diameter and material

Appendix B GIS Shapefiles, Tables, and Reference List




- Appendix B1 – Shapefiles and excel attribute tables have been provided under separate cover

Appendix B2- GIS Reference List

The following data were used in developing the Detailed Maps:

- USGS NHD Hydrographic Dataset: Accessed February 2024;
<https://apps.nationalmap.gov/downloader/#/>
- MPCA What's in my Neighborhood Sites: Accessed February 2024;
<https://gisdata.mn.gov/dataset/env-my-neighborhood>
- MDOT Scenic Byways: Accessed February 2024; <https://gisdata.mn.gov/dataset/trans-routes-tour>
- NRCS SSURGO Data: Access February 2024;
<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>
 - Highly Erodible Land (HEL) is defined in 7 CFR 12.2(a) “Highly erodible land” ([https://www.ecfr.gov/current/title-7/part-12#p-12.2\(a\)\(Highly%20erodible%20land\)](https://www.ecfr.gov/current/title-7/part-12#p-12.2(a)(Highly%20erodible%20land))) and was assessed based on a published list of HEL soil map units for Wabasha County: https://efotg.sc.egov.usda.gov/references/public/MN/HEL_wabasha.pdf. For additional information on NRCS HEL determinations, refer to <https://www.nrcs.usda.gov/resources/guides-and-instructions/highly-erodible-land-determinations>

Appendix C Overview and Detailed Maps

-  Scenic Byway
MPCA WIMN
 Feedlot
 Hazardous Waste



DAIRYLAND POWER
COOPERATIVE

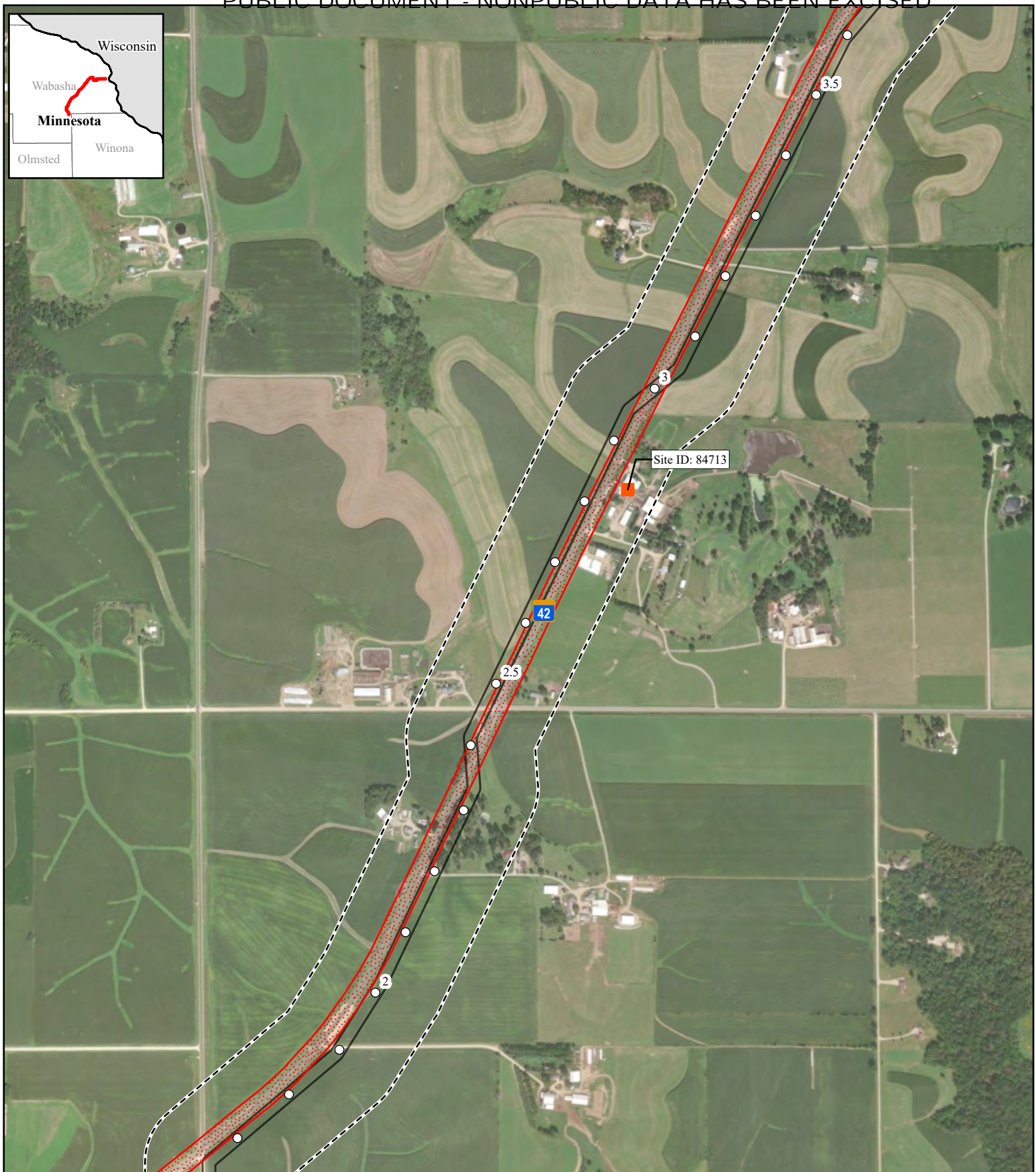
0 500 1,000
Feet
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Detailed Map - Water Resources and Hydrology

Wabasha Relocation Project
Dairyland Power Cooperative
Wabasha County, Minnesota
Extent 1

- Milepost
- Proposed Right-of-Way
- ▨ TH 42 ROW
- ~ NHD Flowline (Intermittent)



DAIRYLAND POWER
COOPERATIVE

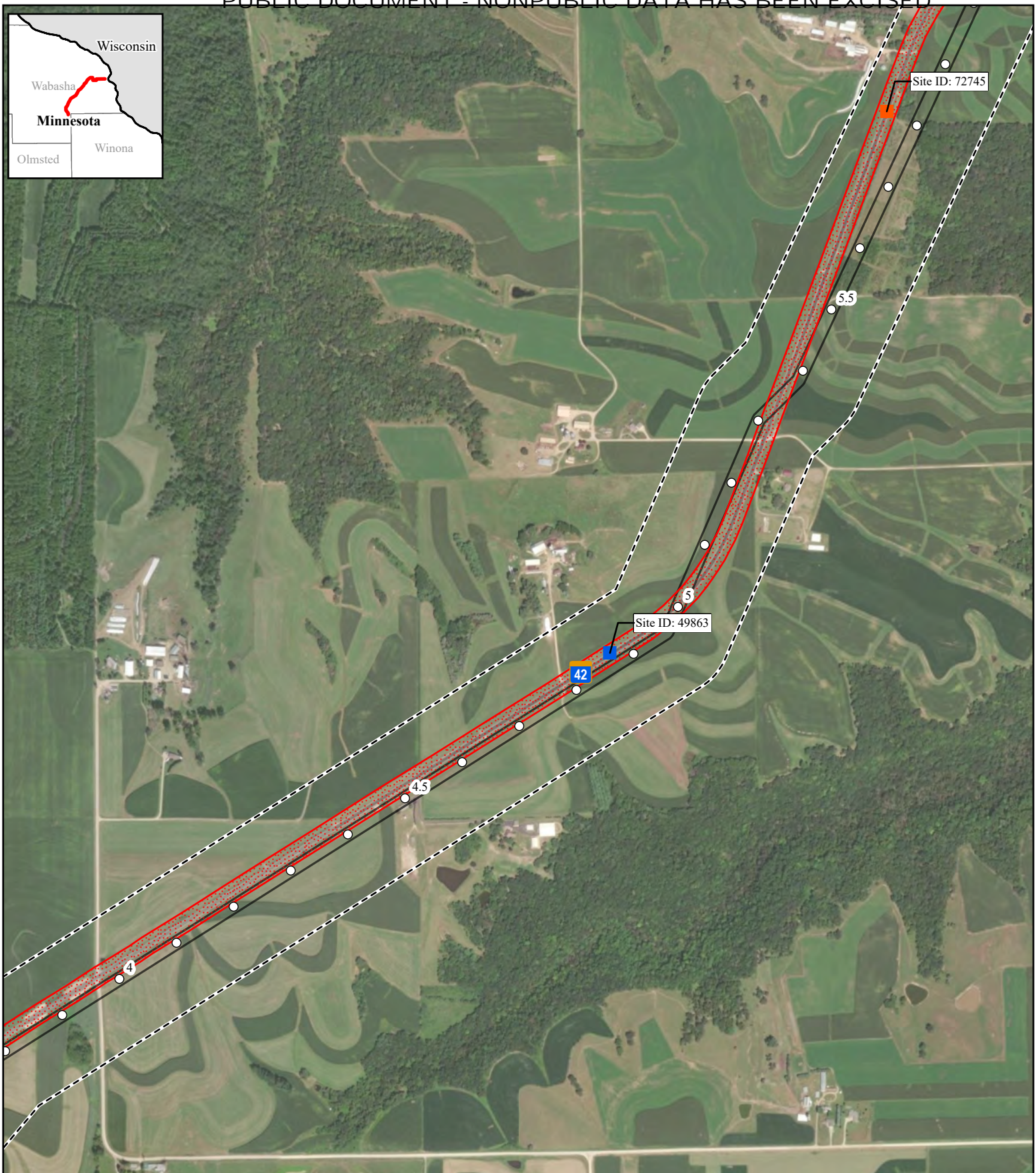
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Detailed Map - Potential Contaminated Sites

Wabasha Relocation Project
Dairyland Power Cooperative
Wabasha County, Minnesota
Extent 1

- Milepost
- ▭ Proposed Right-of-Way
- - - 500ft Proposed Alignment Buffer
- ▨ TH 42 ROW
- Potential Contaminated Site**
- Feedlots
- Hazardous Waste



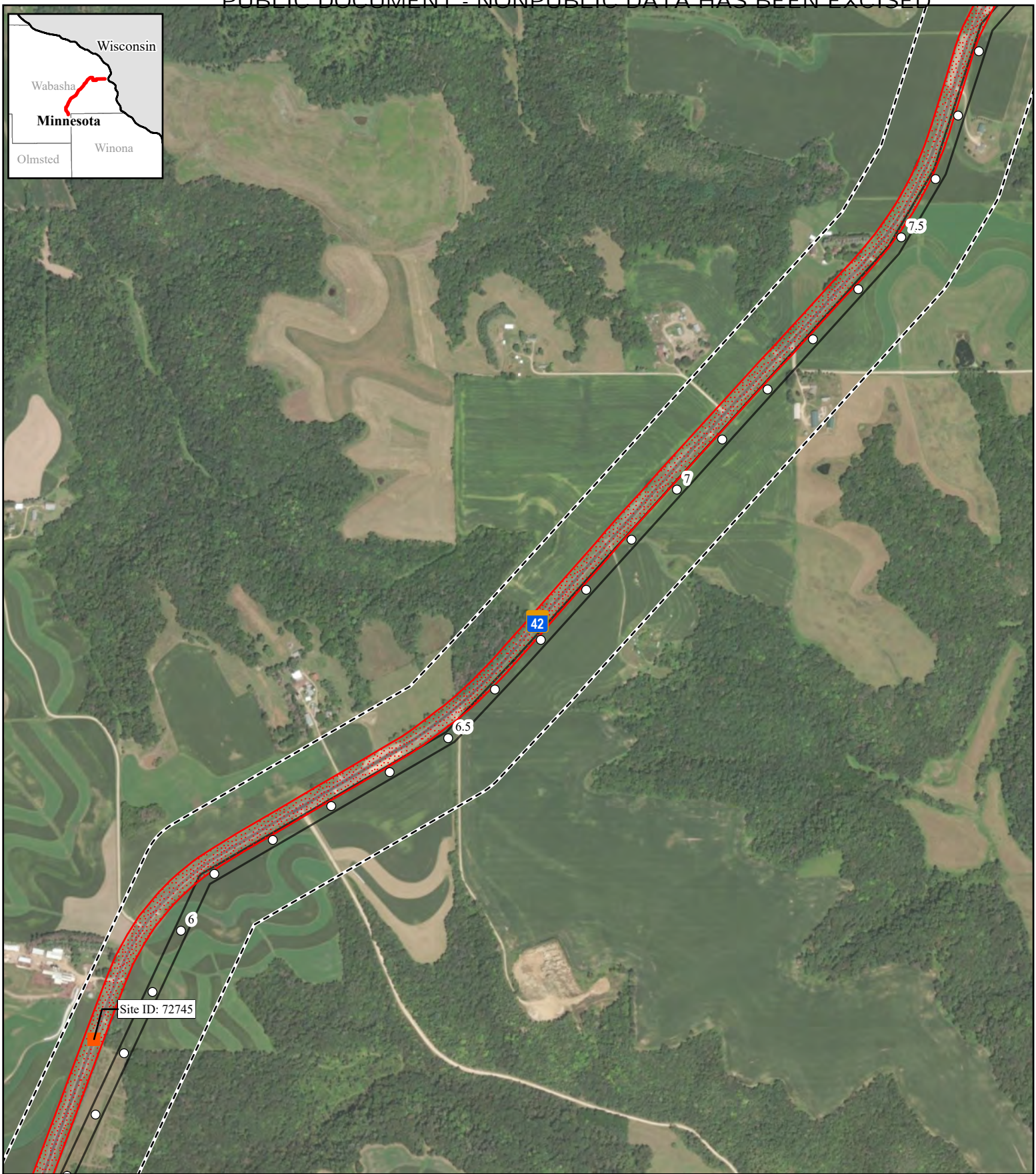
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Detailed Map - Potential Contaminated Sites

Wabasha Relocation Project
Dairyland Power Cooperative
Wabasha County, Minnesota
Extent 2

- Milepost
- Proposed Right-of-Way
- 500ft Proposed Alignment Buffer
- TH 42 ROW
- Potential Contaminated Site**
 - Feedlots
 - Hazardous Waste



0 500 1,000
Feet
1:12,000



Detailed Map - Potential Contaminated Sites

Wabasha Relocation Project
Dairyland Power Cooperative
Wabasha County, Minnesota
Extent 3

- Milepost
- Proposed Right-of-Way
- 500ft Proposed Alignment Buffer
- TH 42 ROW
- Potential Contaminated Site**
 - Feedlots
 - Hazardous Waste