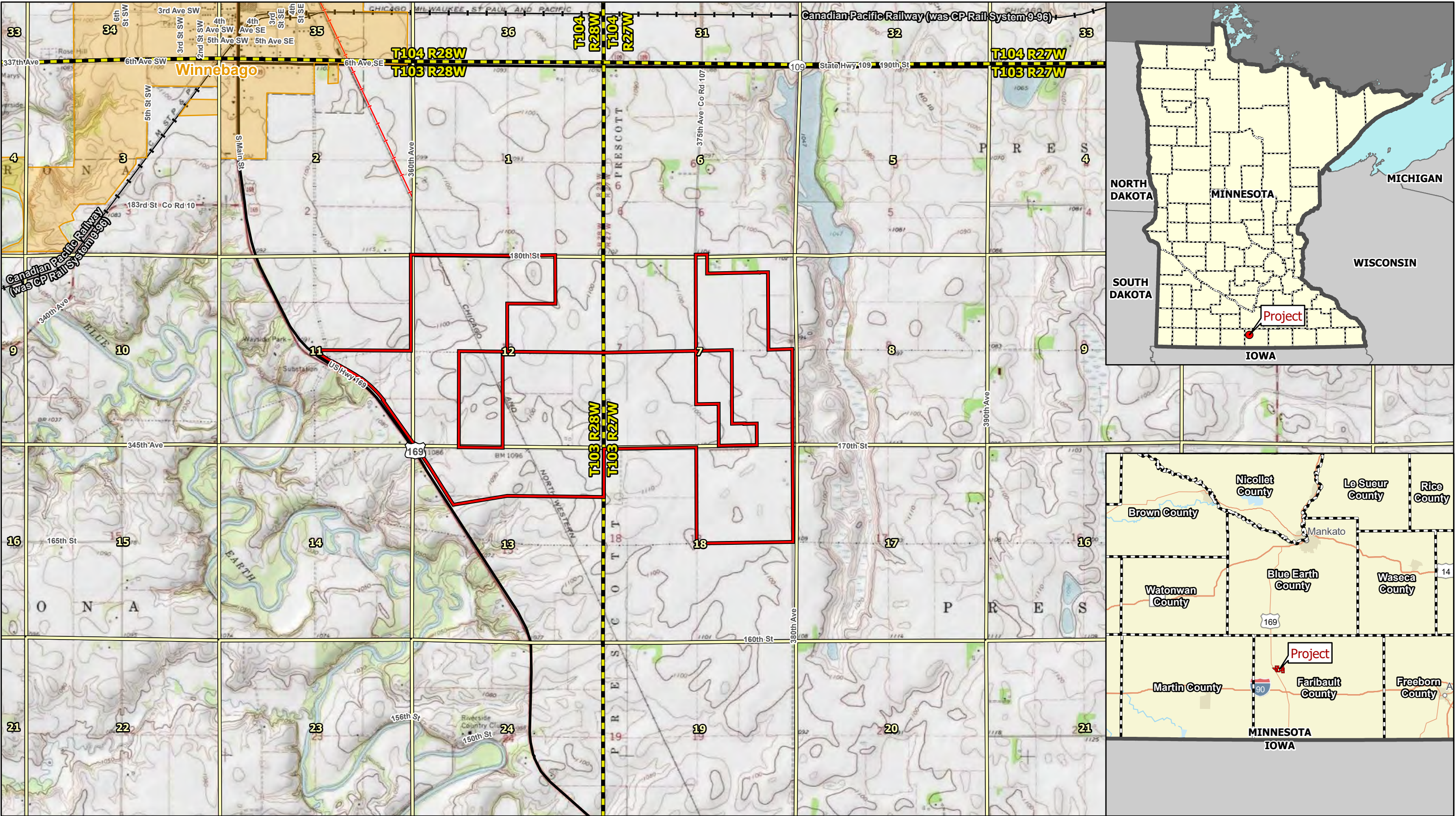




Data Source(s): Westwood (2024); ESRI WMS
USGS Topographic & World Streets Basemaps
(Accessed 2023); U.S. Census Bureau (2021 &
2022); PLSS (2022).

- Legend**
- Project Area

County Boundary

Township Boundary

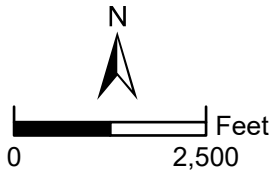
Section Boundary

Municipal Boundary

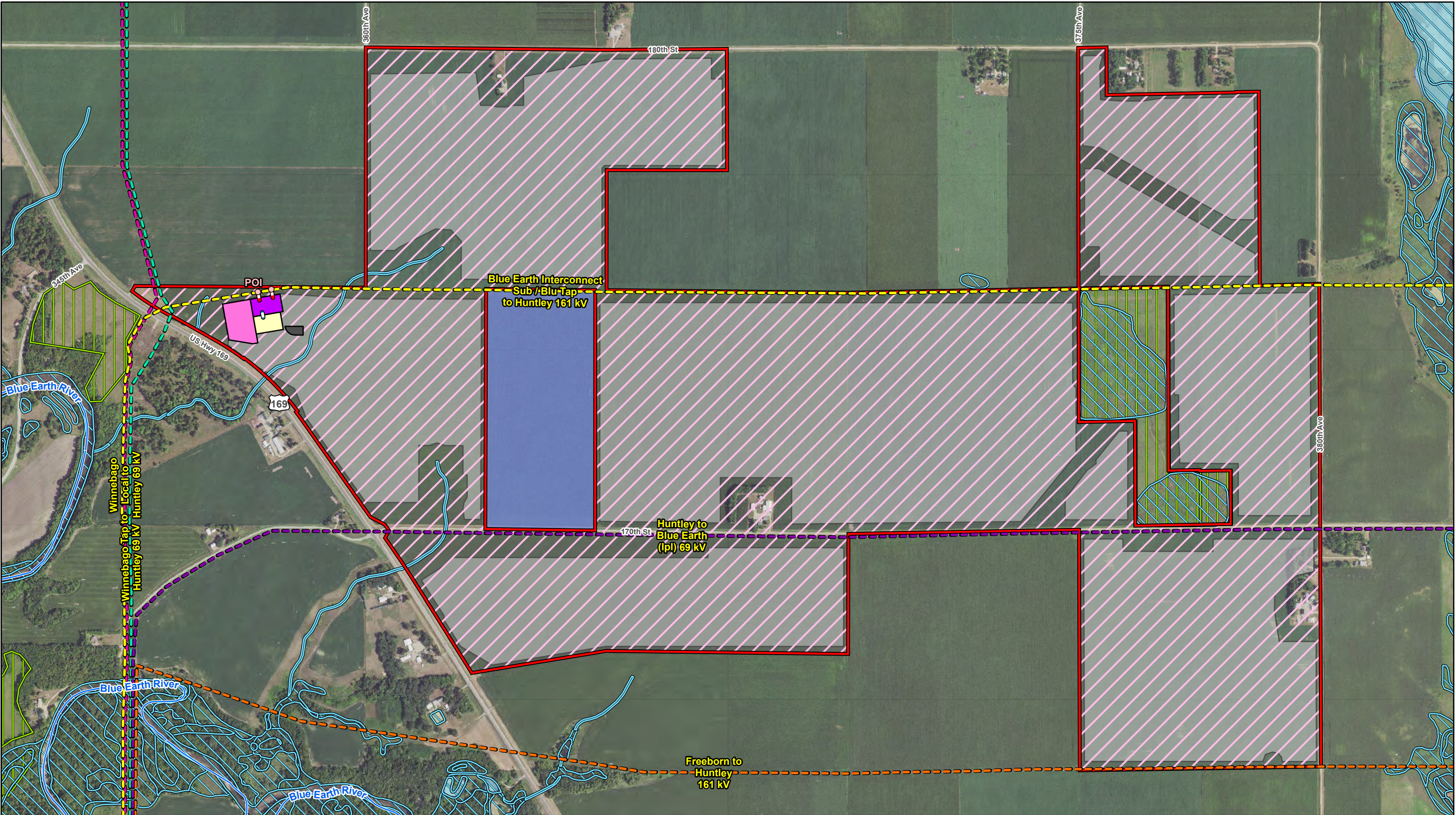
Major Road

Railroad

Abandoned Rail



**Northern Crescent Solar
& Storage Project**
Faribault County, Minnesota
Project Location &
USGS Topography
FIGURE 1 (July, 2024)



Data Source(s): Westwood (2024); NAIP (2021); U.S. Census Bureau (2021 & 2022); HIFLD (2023); NHD (2023); NWI (2022); PADUS (2023).

Legend

- | | |
|---|-----------------------------|
| Project Area | Xcel Overhead Line Tap |
| Current Site Control Area | Gen-Tie Overhead Line |
| Preliminary Development Area | Proposed O&M Facility |
| Potential Participating Land** | Proposed Xcel Switchyard |
| Proposed Point of Interconnection (POI) | Proposed Project Substation |

- | |
|------------------------|
| Proposed BESS Facility |
| CREP Easement |
| NWI Wetland |
| Named NHD Flowline |
| NHD Waterbody |

Existing Transmission Line

- | |
|---|
| Blue Earth Interconnect Sub / Blu Tap to Huntley 161 kV |
| Freeborn to Huntley 161 kV |
| Huntley to Blue Earth (Ipl) 69 kV |

- | |
|----------------------------------|
| Winnebago Local to Huntley 69 kV |
| Winnebago Tap to Huntley 69 kV |

** Potential Participating Land consists of land that is the subject of ongoing site control negotiations. Northern Crescent will update the map when negotiations are complete and the land becomes Participating Land.



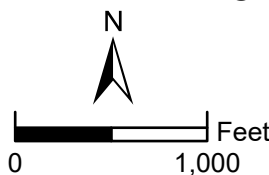
Northern Crescent Solar & Storage Project

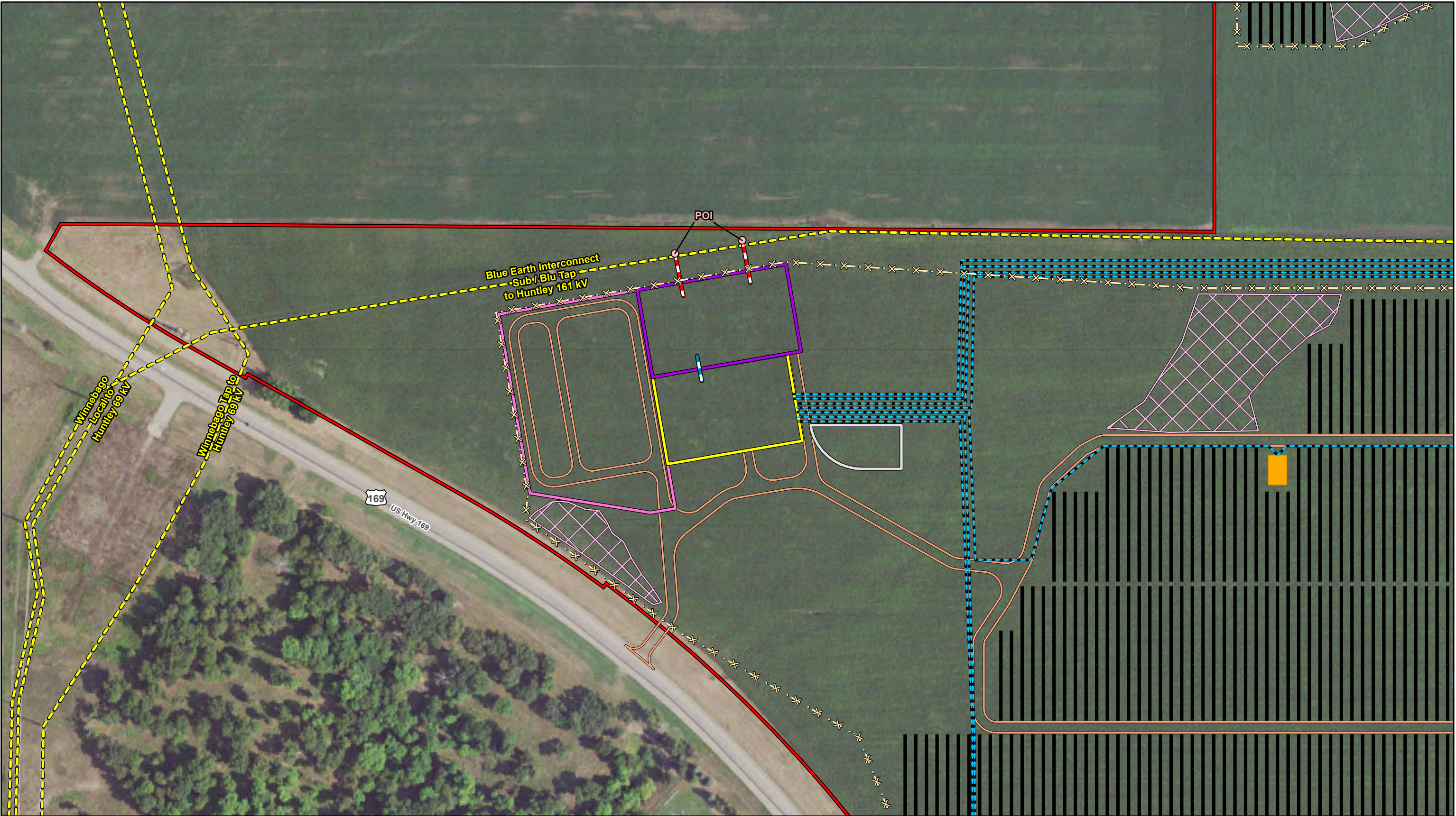
Faribault County, Minnesota

Preliminary

Development Area

FIGURE 2 (August, 2024)





Data Source(s): Westwood (2024); NAIP (2021); U.S. Census Bureau (2021 & 2022); HIFLD (2023).



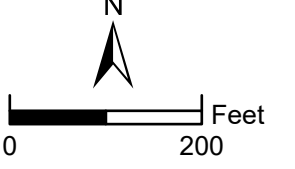
Legend

- Project Area
- Proposed Point of Interconnection (POI)
- Proposed Solar Array
- Xcel Overhead Line Tap

- Gen-Tie Overhead Line
- Proposed Fenceline
- Proposed O&M Facility
- Proposed Xcel Switchyard

- Proposed Project Substation
- Proposed BESS Facility
- Proposed Inverter
- Proposed Access Road

- Proposed Water Basin
- Proposed Underground Collection Line
- Existing Transmission Line

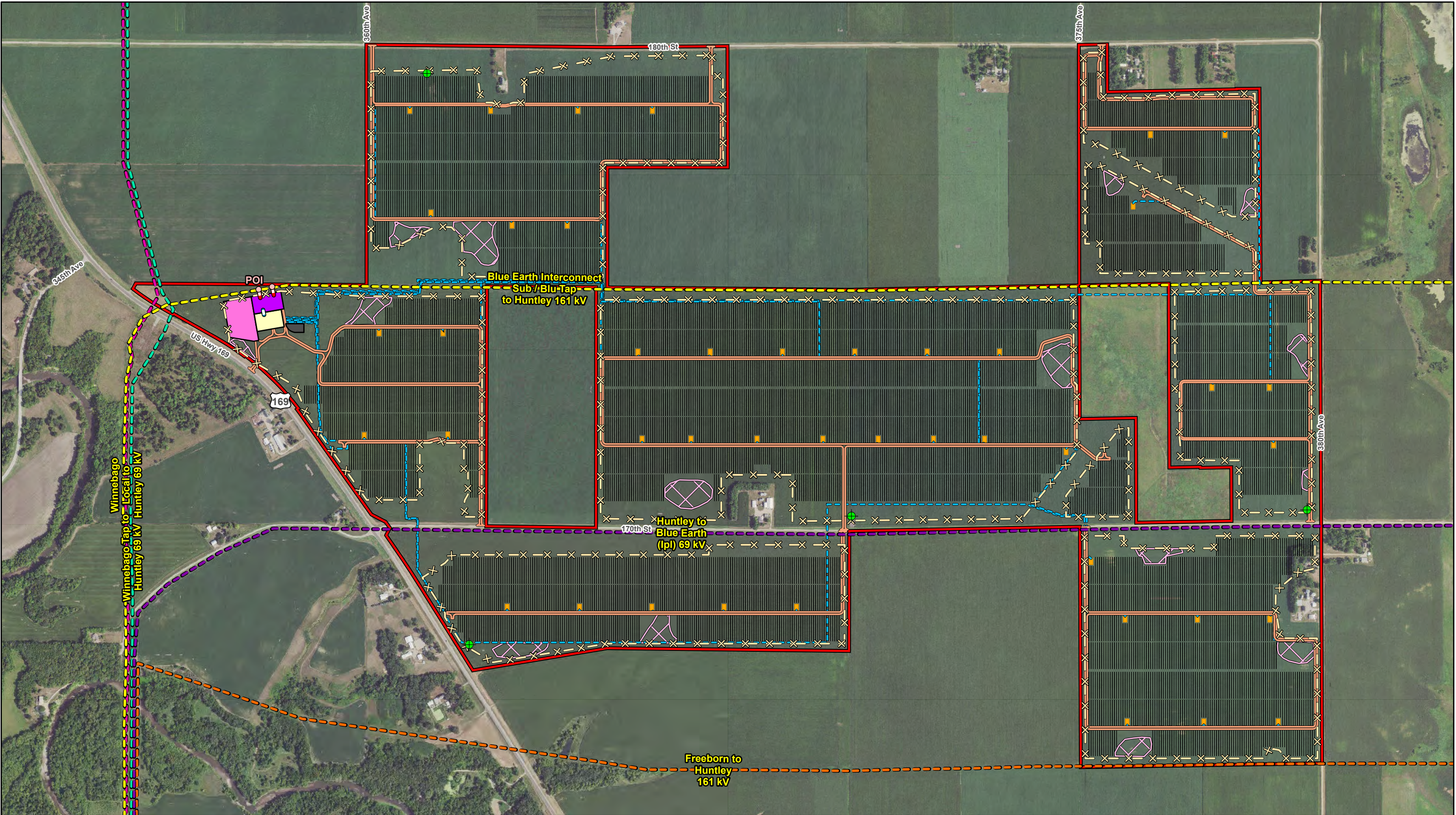


Northern Crescent Solar & Storage Project

Faribault County, Minnesota
Project Interconnection
Facilities

FIGURE 3 (July, 2024)

Map Document N:\004069.00_GIS_ArcPro\004069_040_SPAExhibits_231130\004069_040_SPAExhibits_231130.aprx 7/17/2024 7:50 AM MMQade



Data Source(s): Westwood (2024); NAIP (2021); U.S. Census Bureau (2021 & 2022); HIFLD (2023).

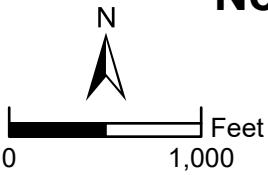


Legend

- | | | |
|---|-----------------------------|--------------------------------------|
| Project Area | Gen-Tie Overhead Line | Proposed BESS Facility |
| Proposed Solar Array | Proposed Fenceline | Proposed Inverter |
| Proposed Point of Interconnection (POI) | Proposed O&M Facility | Proposed Water Basin |
| Preliminary Weather Station | Proposed Xcel Switchyard | Proposed Access Road |
| Xcel Overhead Line Tap | Proposed Project Substation | Proposed Underground Collection Line |

Existing Transmission Line

- | | |
|---|-----------------------------------|
| Blue Earth Interconnect Sub / Blu Tap to Huntley 161 kV | Huntley to Blue Earth (Ipl) 69 kV |
| Freeborn to Huntley 161 kV | Winnebago Local to Huntley 69 kV |
| | Winnebago Tap to Huntley 69 kV |

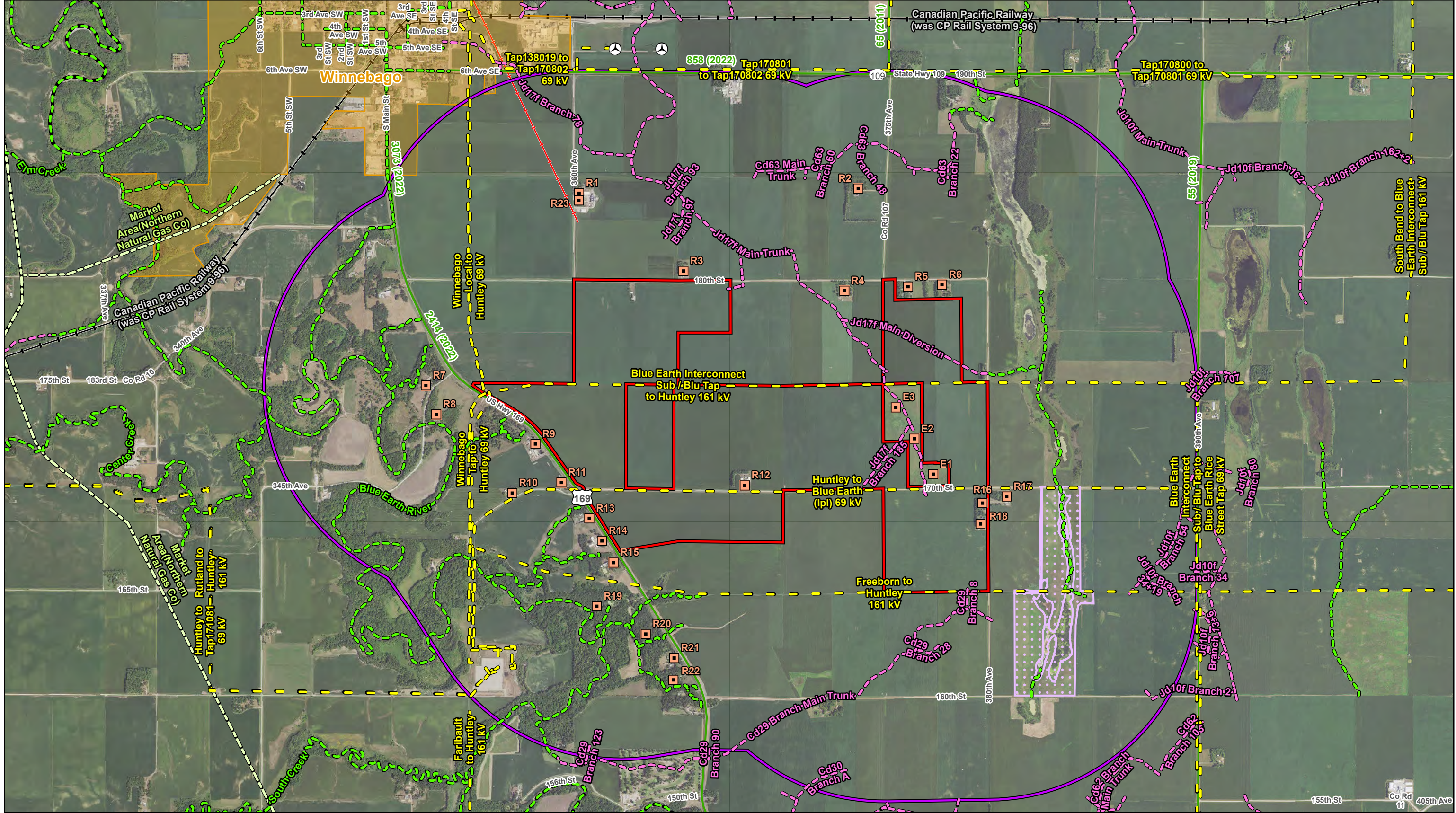


Northern Crescent Solar & Storage Project

Faribault County, Minnesota

Preliminary
Site Design

FIGURE 4 (July, 2024)



Data Source(s): Westwood (2024); NAIP (2021); U.S. Census Bureau (2021 & 2022); HIFLD (2023); NPMS (Accessed 2021); MNDOT (2023).

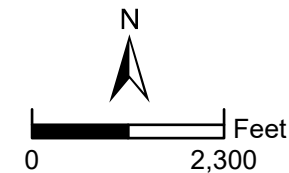
Legend

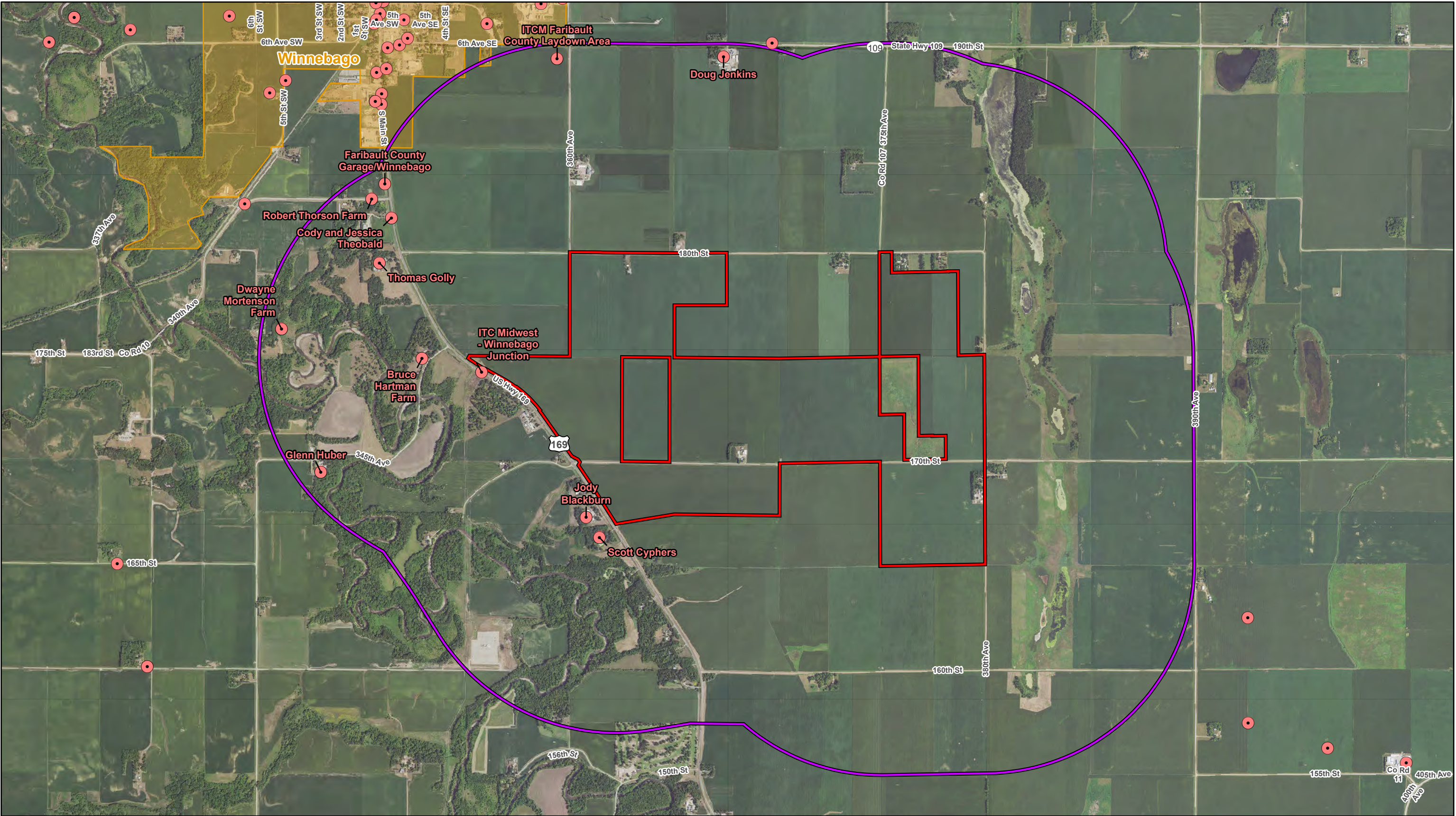
- | | | | |
|---------------------------------|-------------------------------|------------------------------------|------------------------------|
| Project Area | Wind Turbine | Existing County Tile Centerline | Annual Average Daily Traffic |
| Project Area 1-Mile Buffer | Residence Receptor | Existing Transmission Line | Railroad |
| Municipal Boundary | Existing Transmission Line | Existing Other Drainage Centerline | Abandoned Rail |
| Waterfowl Production Area (WPA) | Existing Natural Gas Pipeline | | |

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Northern Crescent Solar & Storage Project

Faribault County, Minnesota
Existing Infrastructure
& Traffic Summary
FIGURE 5 (July, 2024)



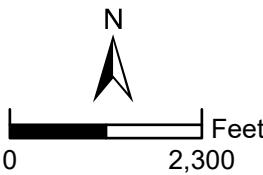


Data Source(s): Westwood (2024); NAIP (2021); U.S. Census Bureau (2021 & 2022); MPCA (2023).

Legend

-  Project Area
-  Project Area 1-Mile Buffer
-  Municipal Boundary
-  MPCA Site

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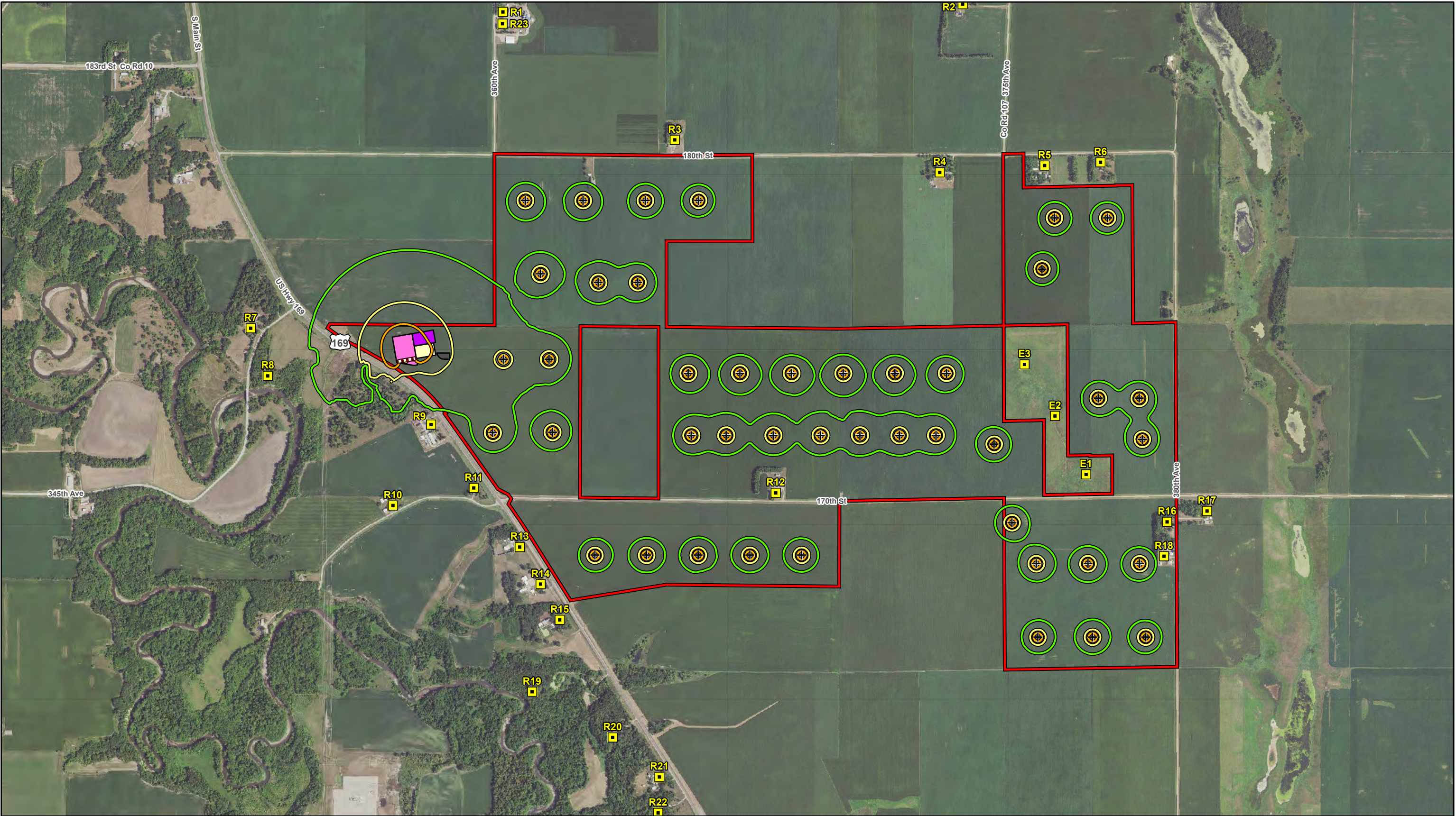


**Northern Crescent Solar
& Storage Project**

Faribault County, Minnesota

MPCA Sites in
Project Vicinity

FIGURE 6 (July, 2024)



Data Source(s): Westwood (2024); NAIP (2021); U.S. Census Bureau (2021 & 2022).

Legend

Project Area

Proposed O&M Facility

Proposed Xcel Switchyard

Proposed Project Substation

Proposed BESS Facility

Proposed Inverter Skid

Residence Receptor

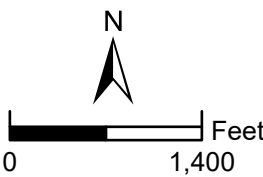
Noise Barrier

Noise Contour [dB(a)]

50

55

60



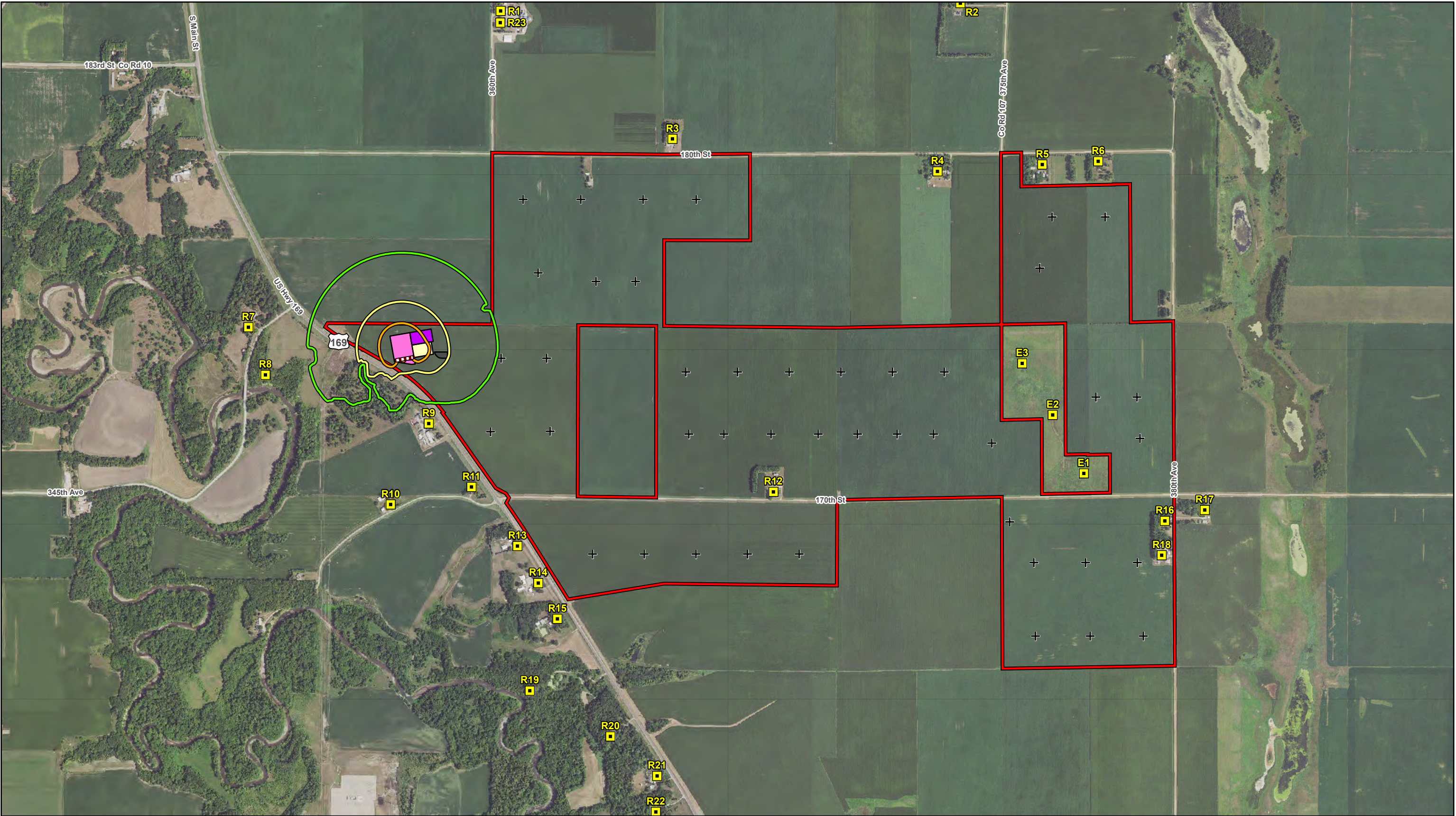
**Northern Crescent Solar
& Storage Project**

Faribault County, Minnesota

Mitigated Daytime

Noise Contour Results

FIGURE 7a (July, 2024)



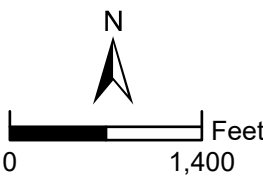
Data Source(s): Westwood (2024); NAIP (2021);
U.S. Census Bureau (2021 & 2022).

Legend

- | | |
|-----------------------------|------------------------|
| Project Area | Proposed BESS Facility |
| Proposed O&M Facility | Proposed Inverter Skid |
| Proposed Xcel Switchyard | Residence Receptor |
| Proposed Project Substation | Noise Barrier |

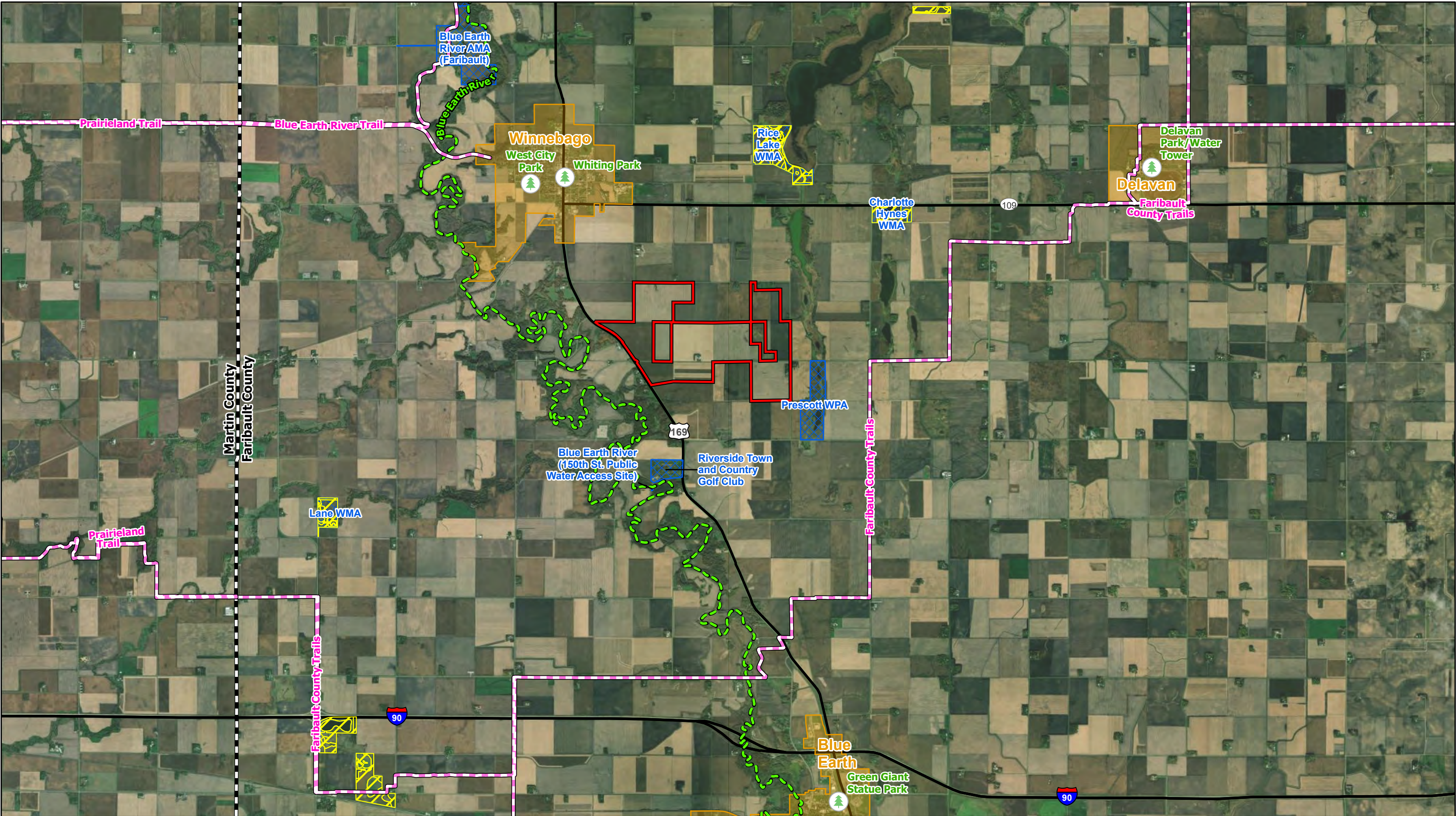
Noise Contour [dB(a)]

- | |
|----|
| 50 |
| 55 |
| 60 |



**Northern Crescent Solar
& Storage Project**

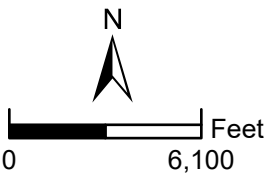
Faribault County, Minnesota
Mitigated Nighttime
Noise Contour Results
FIGURE 7b (July, 2024)



Data Source(s): Westwood (2024); ESRI WMS Imagery Basemap (Accessed 2023); U.S. Census Bureau (2021); PADUS (2023); MN DNR (2020, 2021, & 2022).

Legend

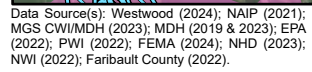
- | | | |
|------------------------------|------------------------------------|--|
| Project Area | Park | Publicly Accessible Wildlife Management Area |
| County Boundary | Blue Earth River State Water Trail | Natural Resource Area |
| City/Civil Township Boundary | Snowmobile Trail | Major Road |



Northern Crescent Solar & Storage Project
Faribault County, Minnesota

Recreation

FIGURE 8 (July, 2024)



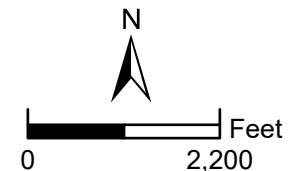
	Project Area		Wellhead Protection Area
	Project Area 1-Mile Buffer		Shoreland District
	Municipal Boundary		Major Watershed
	Drinking Water Supply Management Area		Minor Watershed

 Well Location (Approximate)
 EPA 303d Impaired Waterway
 Field Delineated Wetland (2021)

	Well Location (Approximate)		Field Delineated Waterway (2021)
	EPA 303d Impaired Waterway		PWI Watercourse
	Field Delineated Wetland (2021)		PWI Basin
			NWI Wetland
			NHD Flowline

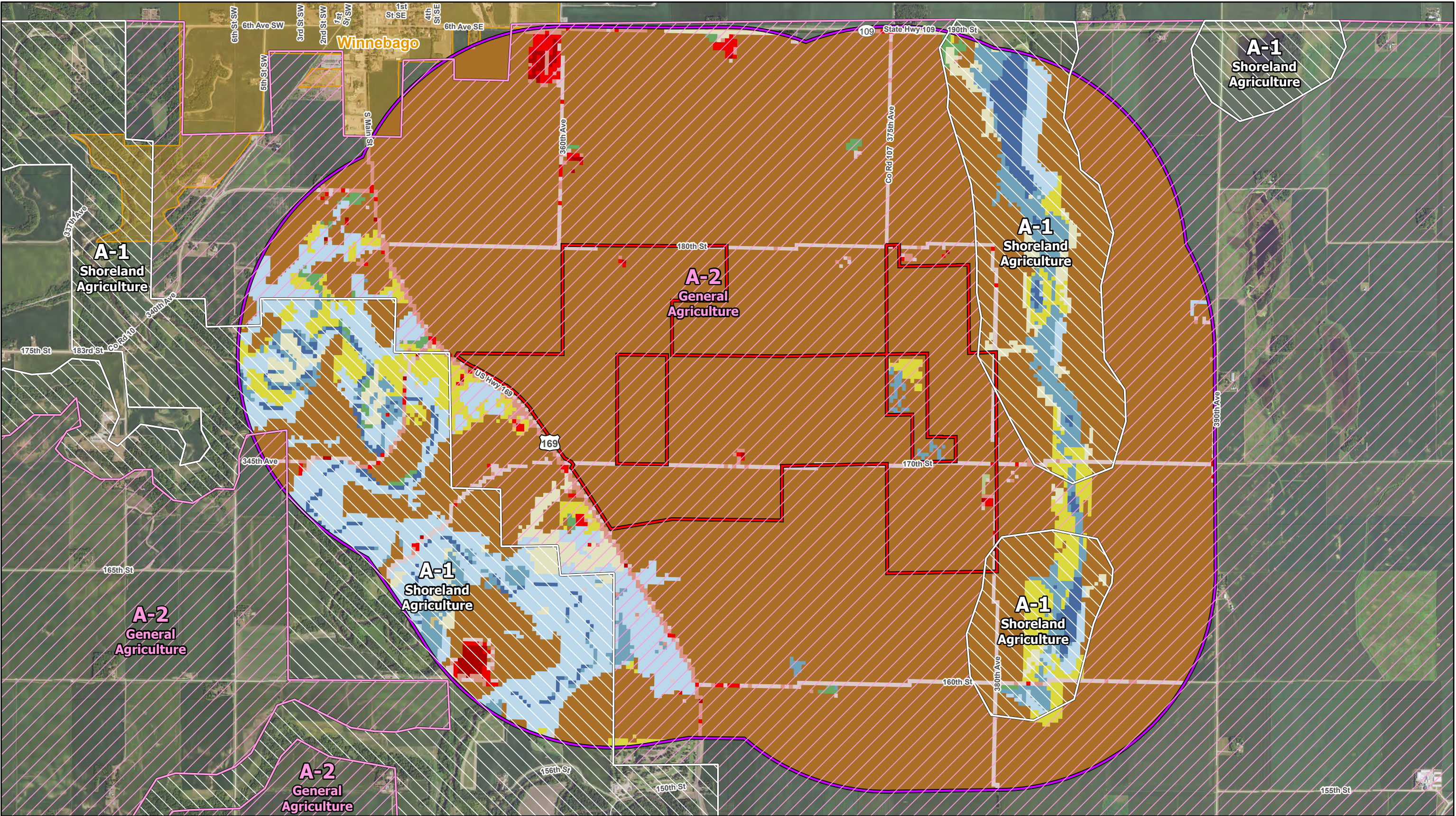
 NHD Waterbody
 100 Year Floodplain
 500 Year Floodplain

 Tile Centerline
 Other Drainage Centerline



Faribault County, Minnesota
Water Resources
& Wells

FIGURE 9 (July, 2024)



Data Source(s): Westwood (2024); NAIP (2021); U.S. Census Bureau (2021 & 2022); NLCD (2021); Faribault County (Accessed 2022).

Legend

- Project Area
- Project Area 1-Mile Buffer
- Municipal Boundary
- Zoning Boundary**
- A-1 Shoreland Agriculture

A-2 General Agriculture

**Land Cover Type
(Percent of Project Area)**

Developed, Open Space (2.77%)

- Developed, Low Intensity (0.30%)
- Developed, Medium Intensity (0.22%)
- Developed High Intensity (0.08%)

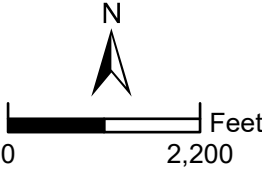
- Mixed Forest (0.11%)
- Grassland/Herbaceous (0.0004%)
- Pasture/Hay (0.01%)

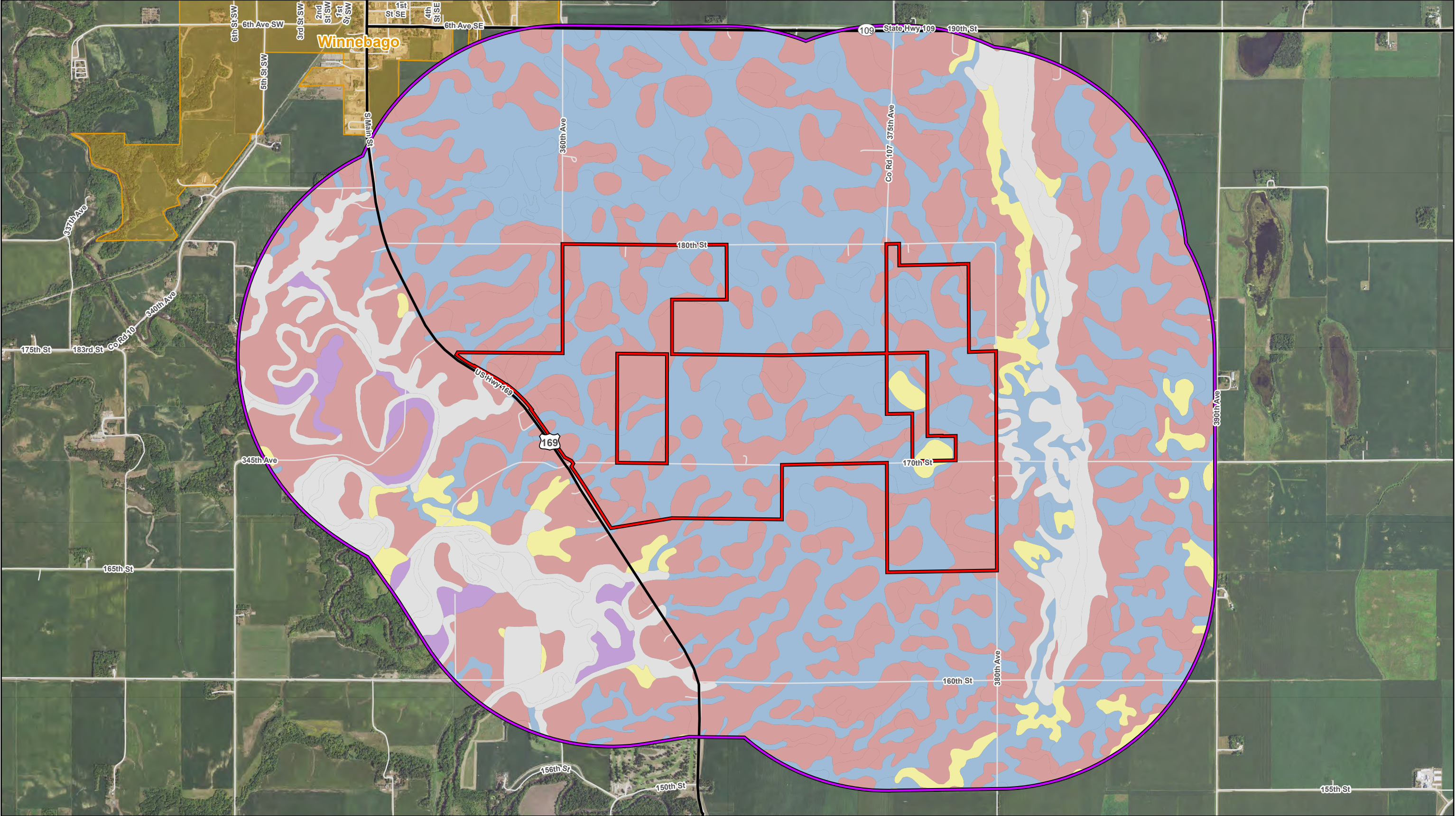
- Cultivated Crops (96.5%)
- Emergent Herbaceous Wetlands (0.01%)

Northern Crescent Solar & Storage Project

Faribault County, Minnesota
NLCD Land Cover & Zoning

FIGURE 10 (July, 2024)





Data Source(s): Westwood (2024); NAIP (2021); U.S. Census Bureau (2021 & 2022); NRCS Web Soil Survey (Accessed 2023).

Legend

- Project Area
- Project Area 1-Mile Buffer
- Municipal Boundary
- Major Road

Road

Prime Farmland Classification - Preliminary Development Area Acreage (Percent Total)

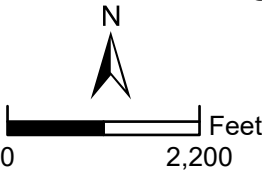
All areas are prime farmland - 442.79 Acres (47.65%)

Farmland of statewide importance - 0.89 Acres (0.1%)

Prime farmland if drained - 485.39 Acres (52.23%)

Not prime farmland - 0.23 Acres (0.02%)

Prime farmland if protected from flooding or not frequently flooded during the growing season - 0.00 Acres (0.00%)



Northern Crescent Solar & Storage Project

Faribault County, Minnesota
Prime Farmland &
Farmland Classification
FIGURE 11 (July, 2024)

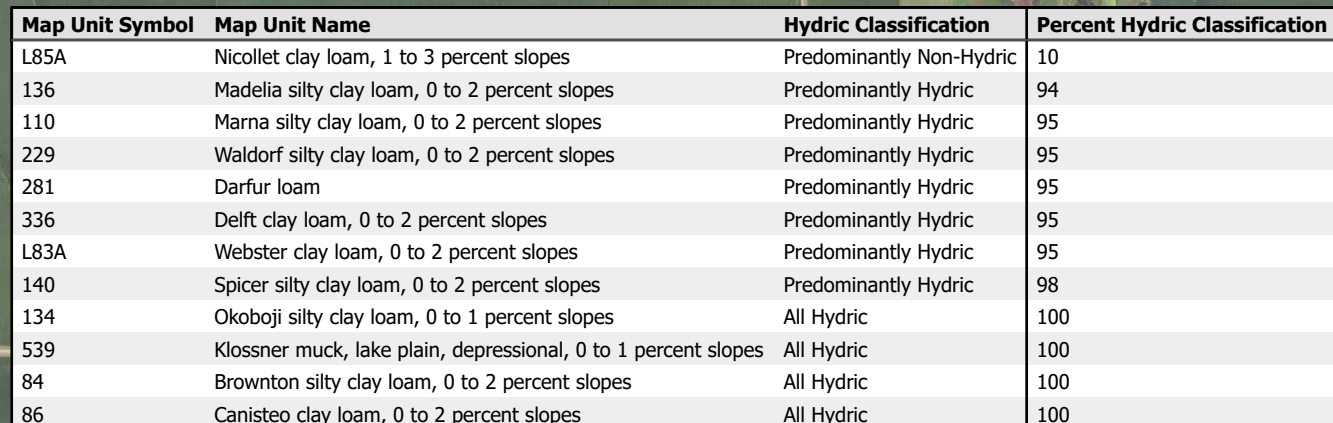
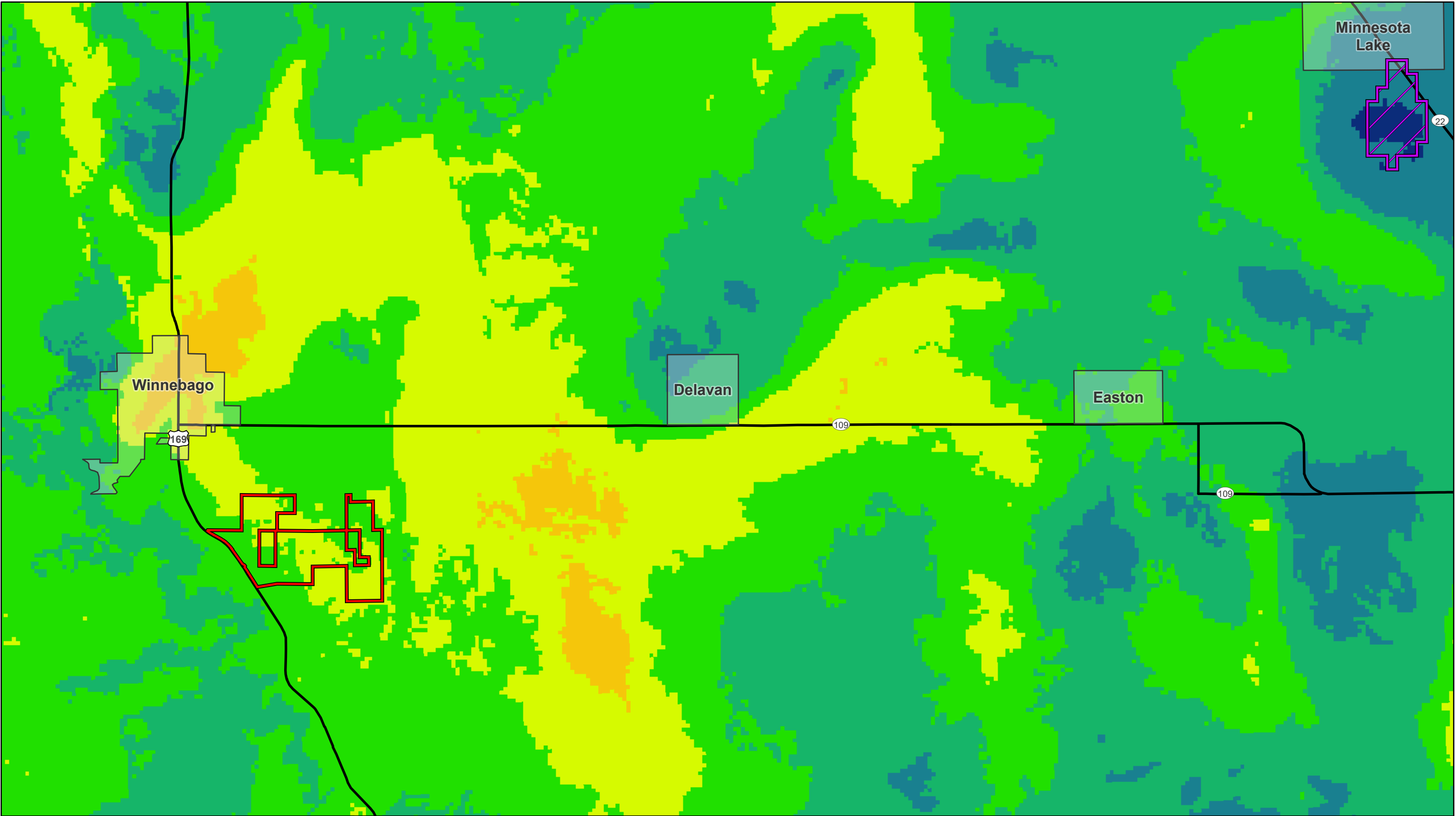


FIGURE 12 (July, 2024)



Data Source(s): Westwood (2024); U.S. Census Bureau (2021 & 2022); U.S. Geological Survey National Geological and Geophysical Data Preservation Program (2020); U.S. Geological Survey (2020).

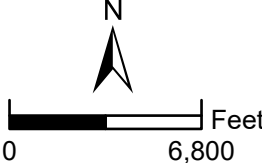
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Legend

- Project Area
- County Boundary
- Municipal Boundary

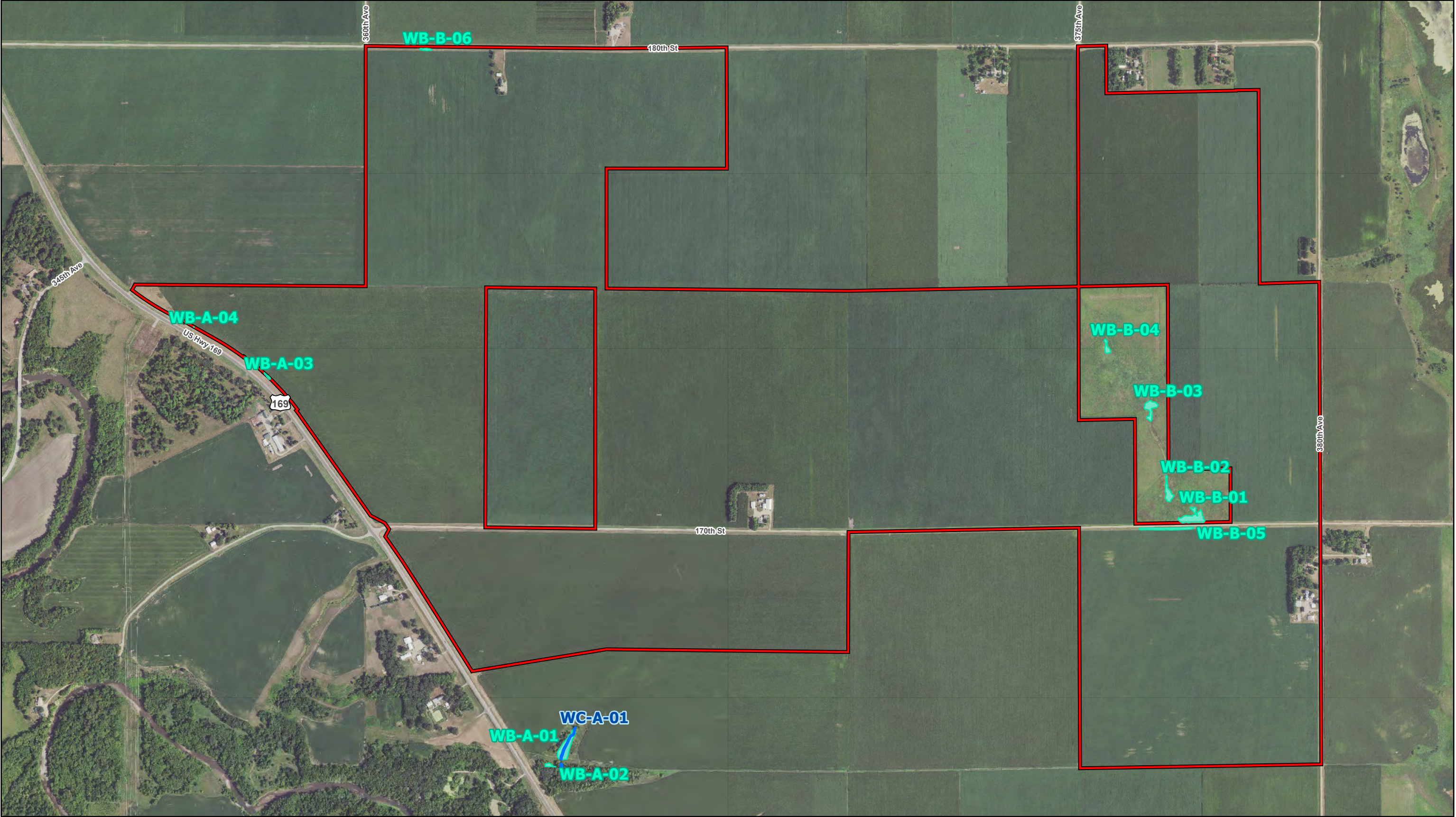
- Major Road
- Carbonate Minnesota Region Prone to Surface Karst Feature Development

Depth to Bedrock (ft)	
	30 - 50
	51 - 100
	101 - 150
	151 - 200
	201 - 250
	251 - 300
	301 - 350
	351 - 400



Northern Crescent Solar & Storage Project
Faribault County, Minnesota
Depth to Bedrock & Karst Features
FIGURE 13 (July, 2024)

Map Document: N:\004069\00_GIS_AcProR004069_040_SPAExhibits_231130\RD04069_040_SPAExhibits_231130.aprx 7/16/2024 7:09 AM MMCade

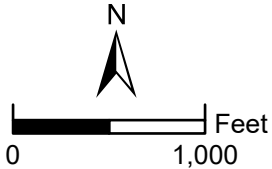


Data Source(s): Westwood (2024); NAIP (2021); U.S. Census Bureau (2021 & 2022).

Legend

- Project Area
- Field Delineated Wetland (2021)
- Field Delineated Waterway (2021)

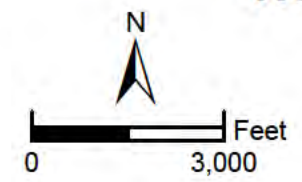
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**Northern Crescent Solar
& Storage Project**

Faribault County, Minnesota
Delineated Wetlands
& Waterways

FIGURE 14 (July, 2024)



Northern Crescent Solar & Storage Project

Faribault County, Minnesota

Rare & Unique

Natural Resources

FIGURE 15 (July, 2024)