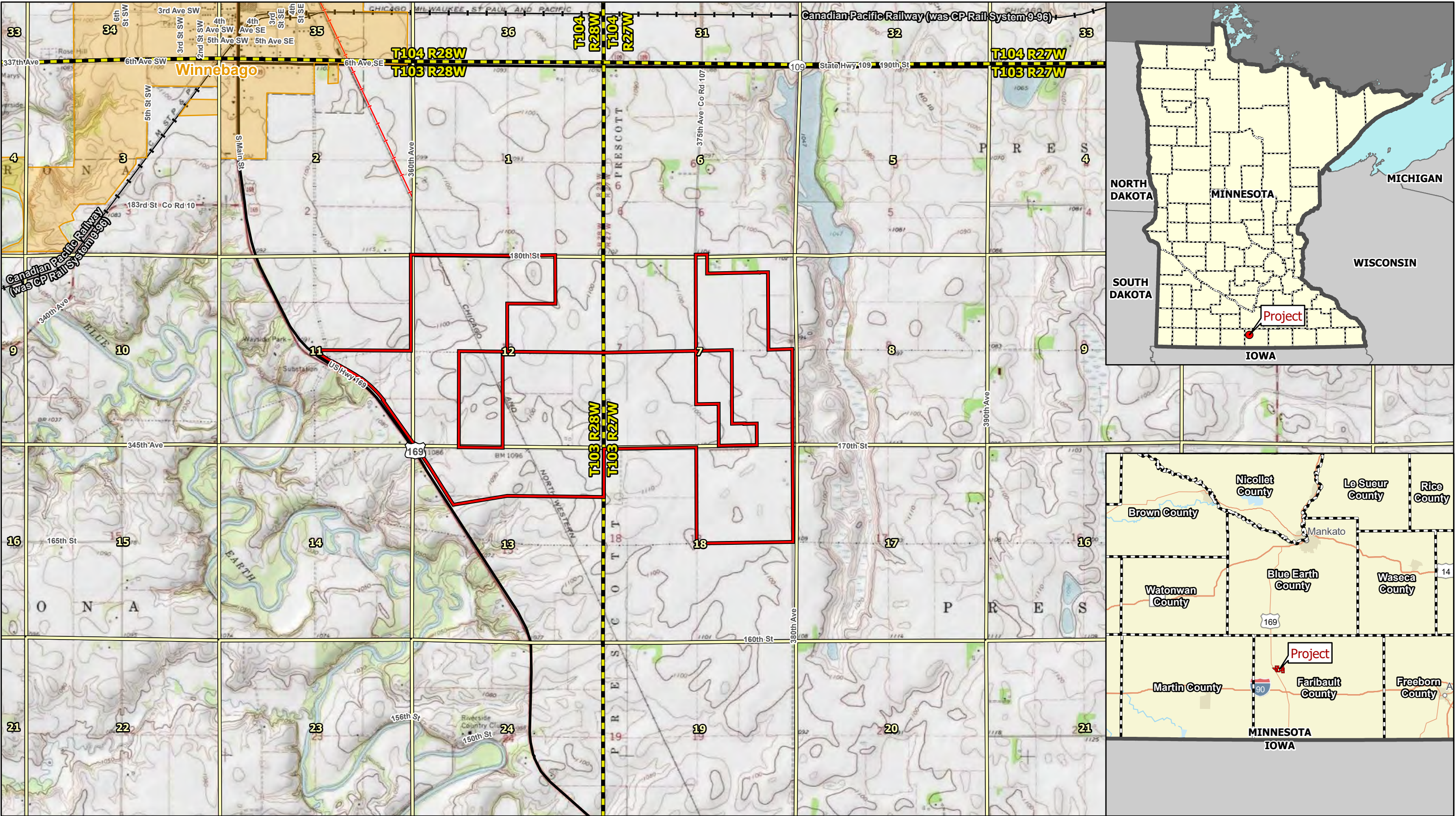




Data Source(s): Westwood (2024); ESRI WMS
USGS Topographic & World Streets Basemaps
(Accessed 2023); U.S. Census Bureau (2021 &
2022); PLSS (2022).

- Legend**
- Project Area

County Boundary

Township Boundary

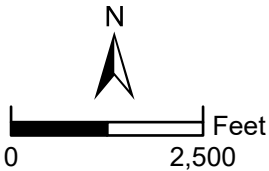
Section Boundary

Municipal Boundary

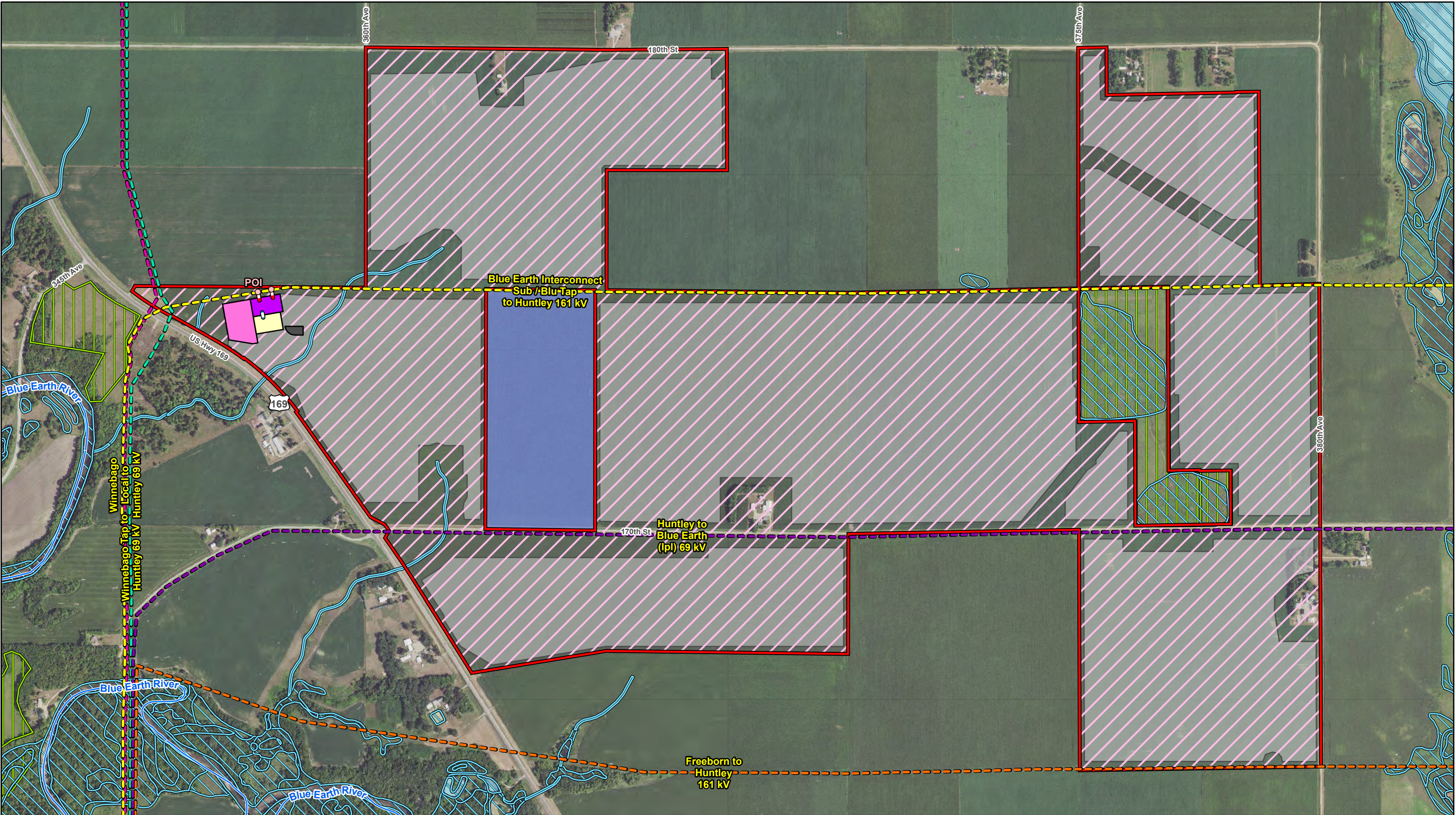
Major Road

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.

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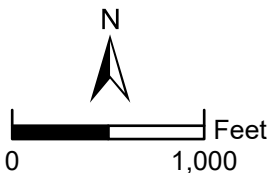
Northern Crescent Solar & Storage Project

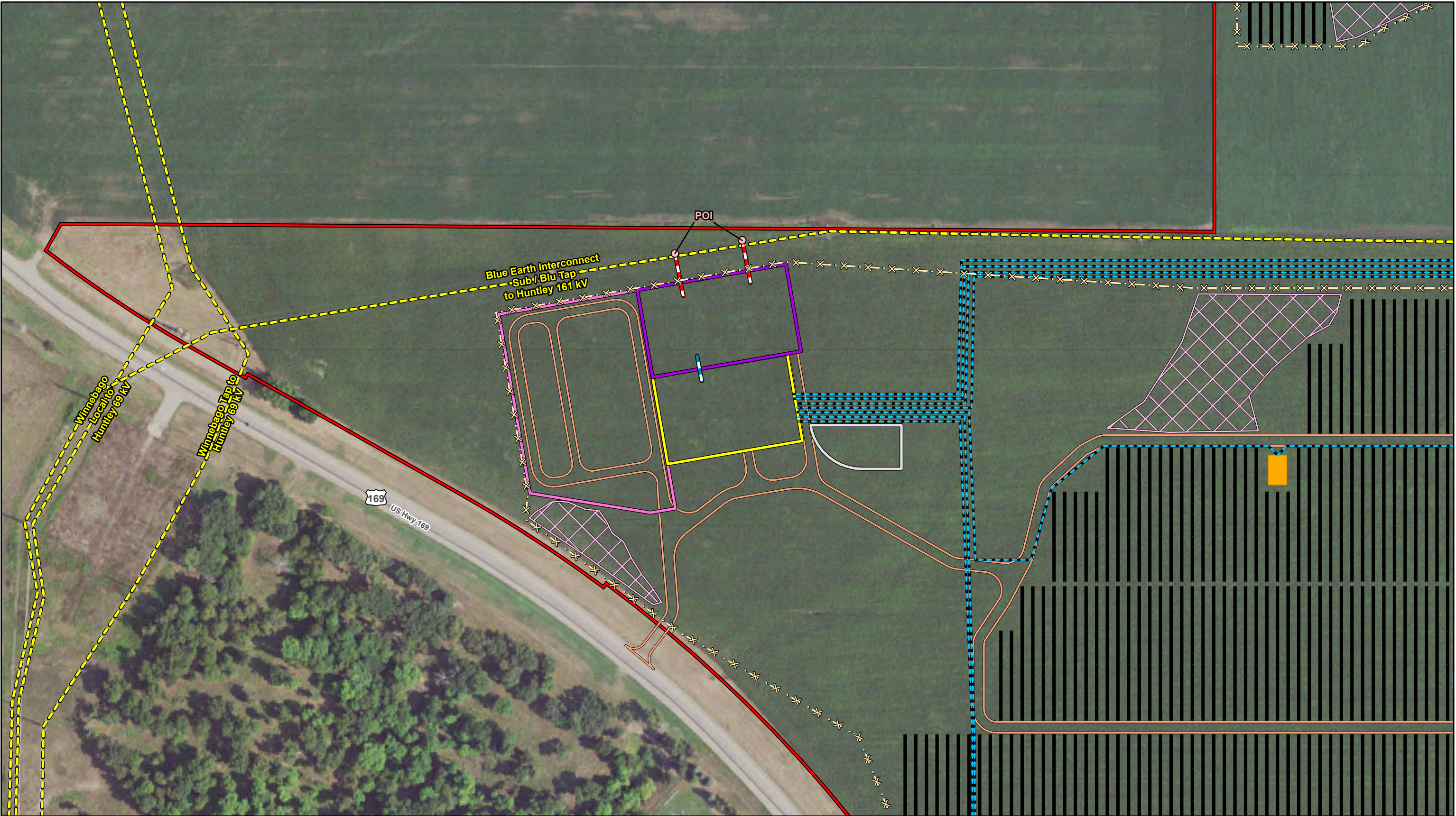
Faribault County, Minnesota

Preliminary

Development Area

FIGURE 2 (August, 2024)



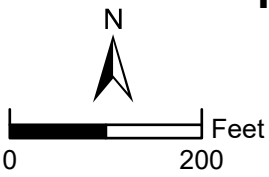


Data Source(s): Westwood (2024); NAIP (2021); U.S. Census Bureau (2021 & 2022); HIFLD (2023).



Legend

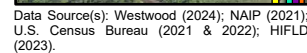
- | | | | |
|---|--------------------------|-----------------------------|--------------------------------------|
| Project Area | Gen-Tie Overhead Line | Proposed Project Substation | Proposed Water Basin |
| Proposed Point of Interconnection (POI) | Proposed Fenceline | Proposed BESS Facility | Proposed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



Northern Crescent Solar & Storage Project

Faribault County, Minnesota
Project Interconnection
Facilities

FIGURE 3 (July, 2024)



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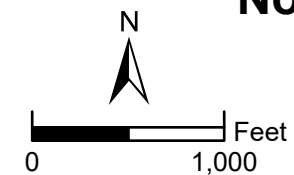
- Project Area
- Proposed Solar Array
- Proposed Point of Interconnection (POI)
- Preliminary Weather Station
- Xcel Overhead Line Tap

- | | | | |
|---|-----------------------------|---|--------------------------------------|
|  | Gen-Tie Overhead Line |  | Proposed BESS Facility |
|  | Proposed Fenceline |  | Proposed Inverter |
|  | Proposed O&M Facility |  | Proposed Water Basin |
|  | Proposed Xcel Switchyard |  | Proposed Access Road |
|  | Proposed Project Substation |  | Proposed Underground Collection Line |

Blue Earth Interconnect
Sub / Blu Tap to Huntley
161 kV

Freeborn to Huntley 161
kV

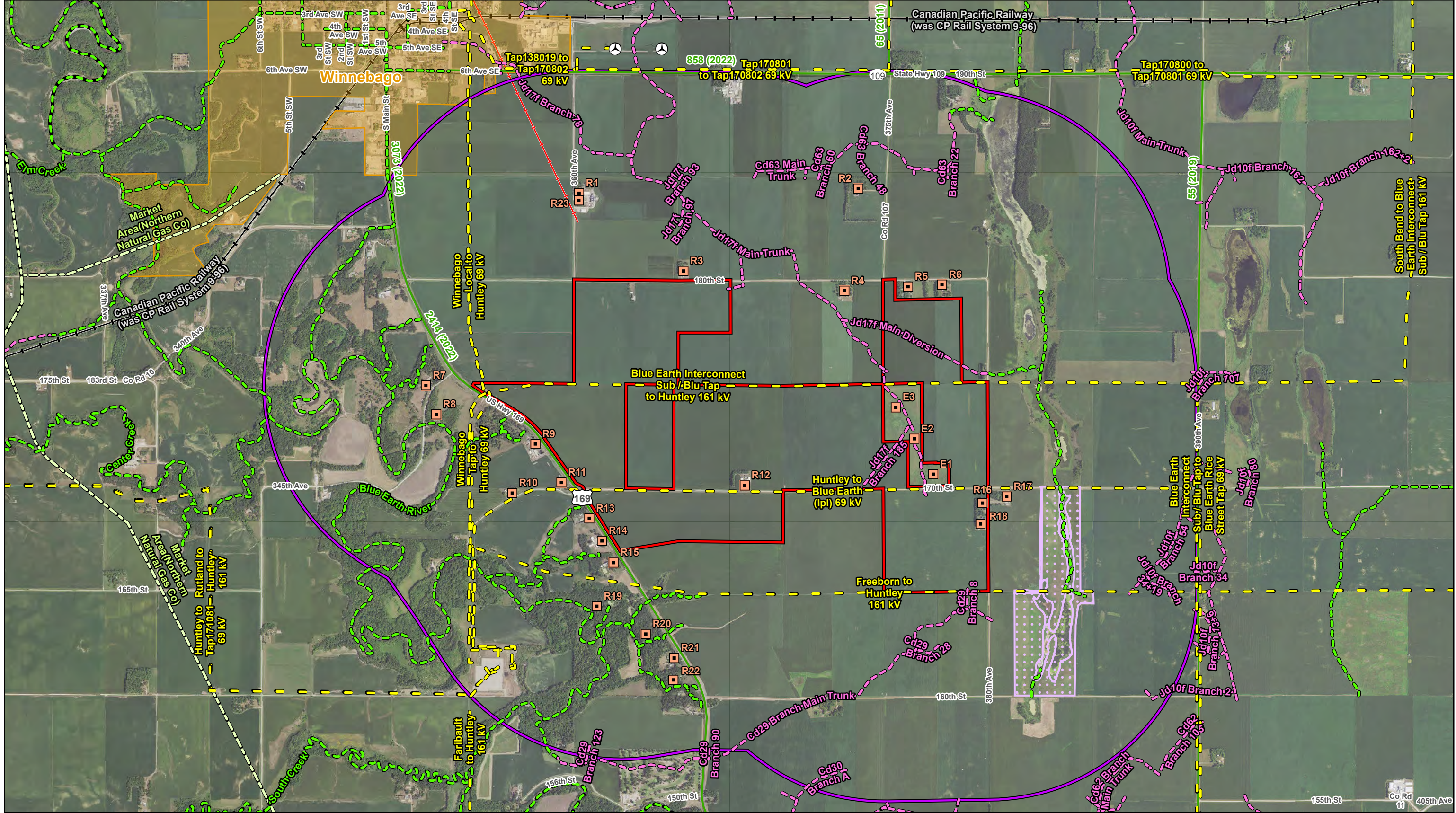
-  Huntley to Blue Earth (Ipl) 69 kV
-  Winnebago Local to Huntley 69 kV
-  Winnebago Tap to Huntley 69 kV

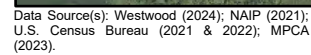


Faribault County, Minnesota

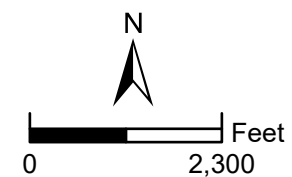
Preliminary Site Design

FIGURE 4 (July, 2024)

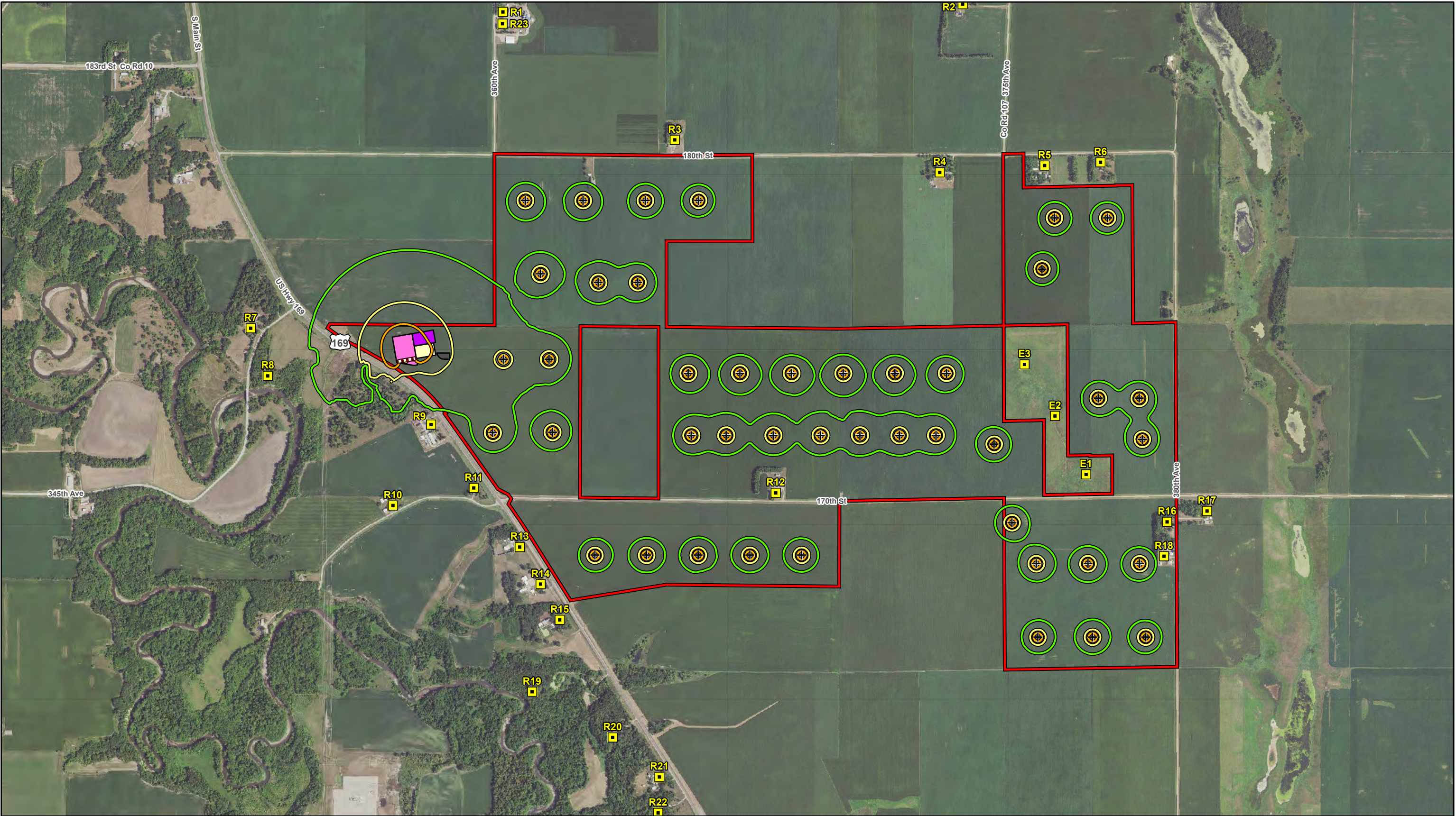




 Project Area
 Project Area 1-Mile Buffer
 Municipal Boundary
 MPCA Site



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

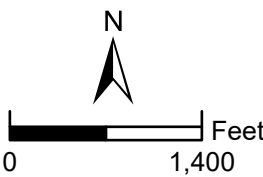
Noise Barrier

Noise Contour [dB(a)]

50

55

60



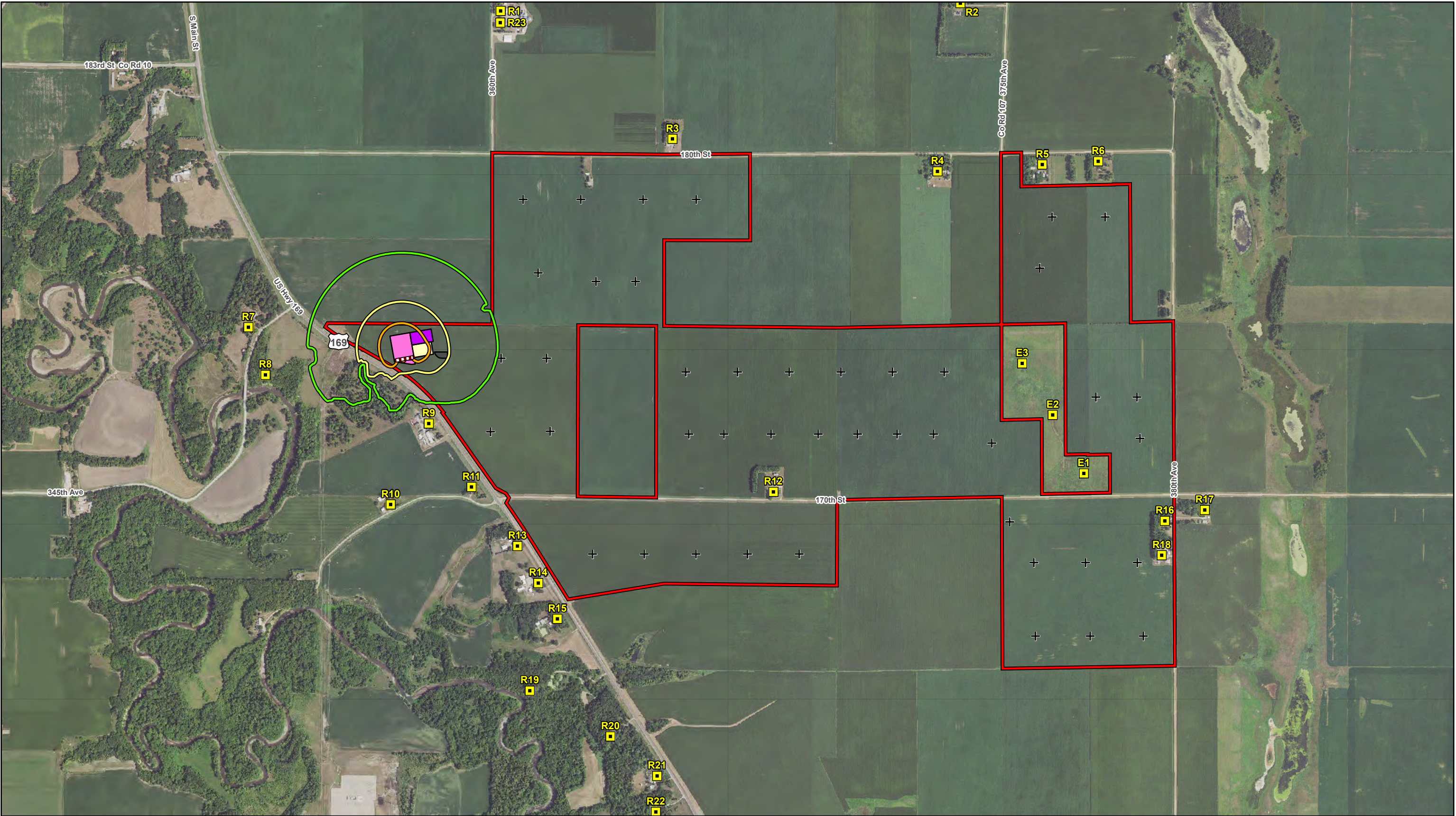
**Northern Crescent Solar
& Storage Project**

Faribault County, Minnesota

Mitigated Daytime

Noise Contour Results

FIGURE 7a (July, 2024)



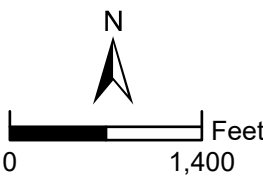
Data Source(s): Westwood (2024); NAIP (2021); U.S. Census Bureau (2021 & 2022).

Legend

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

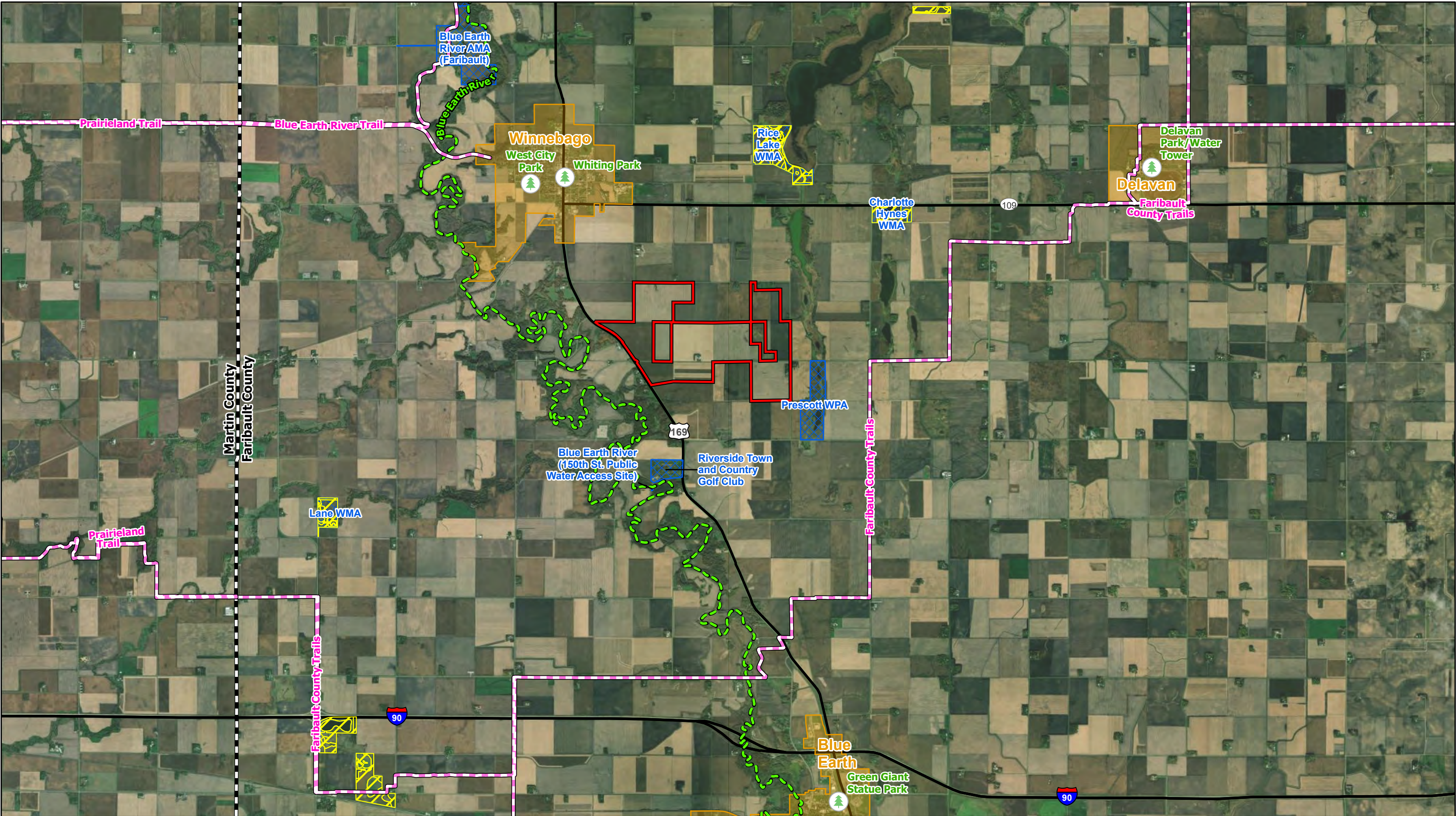
Noise Contour [dB(a)]

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



**Northern Crescent Solar
& Storage Project**

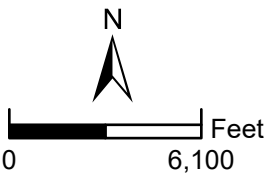
Faribault County, Minnesota
Mitigated Nighttime
Noise Contour Results
FIGURE 7b (July, 2024)



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

Legend

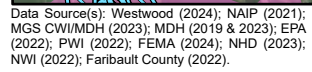
- | | | |
|------------------------------|------------------------------------|--|
| Project Area | Park | Publicly Accessible Wildlife Management Area |
| County Boundary | Blue Earth River State Water Trail | Natural Resource Area |
| City/Civil Township Boundary | Snowmobile Trail | Major Road |



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)

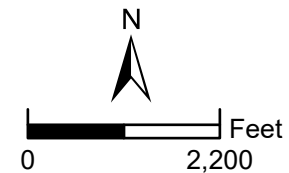
	Well Location (Approximate)		Field Delineated Waterway (2021)
	EPA 303d Impaired Waterway		PWI Watercourse
	Field Delineated Wetland (2021)		PWI Basin
			NWI Wetland
			NHD Flowline

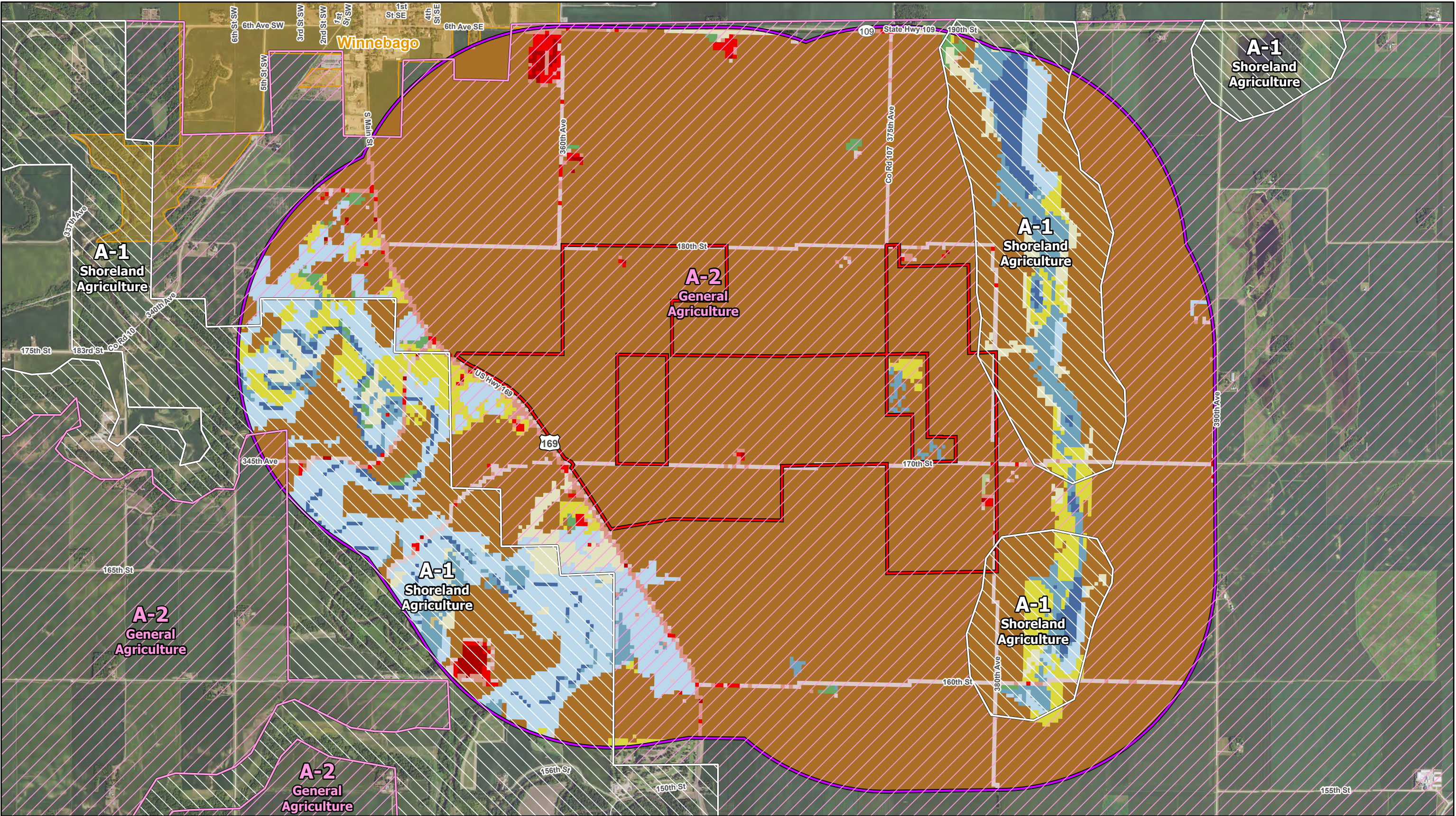
 NHD Waterbody
 100 Year Floodplain
 500 Year Floodplain

 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%)

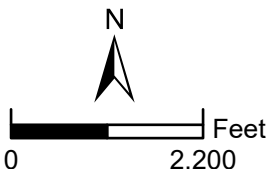
- Mixed Forest (0.11%)
- Grassland/Herbaceous (0.0004%)
- Pasture/Hay (0.01%)

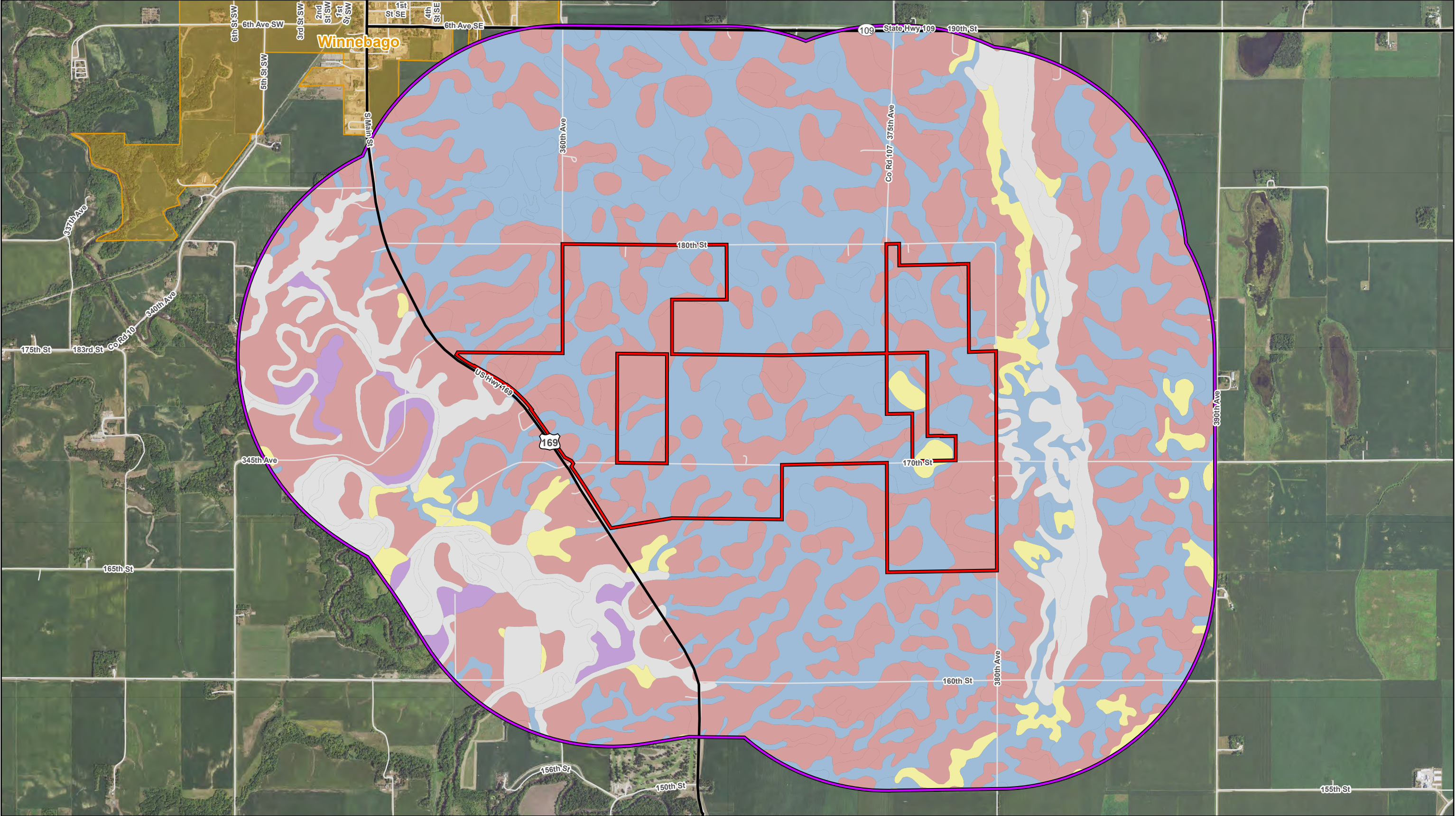
- Cultivated Crops (96.5%)
- Emergent Herbaceous Wetlands (0.01%)

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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)

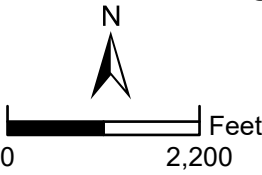
All areas are prime farmland - 442.79 Acres (47.65%)

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%)

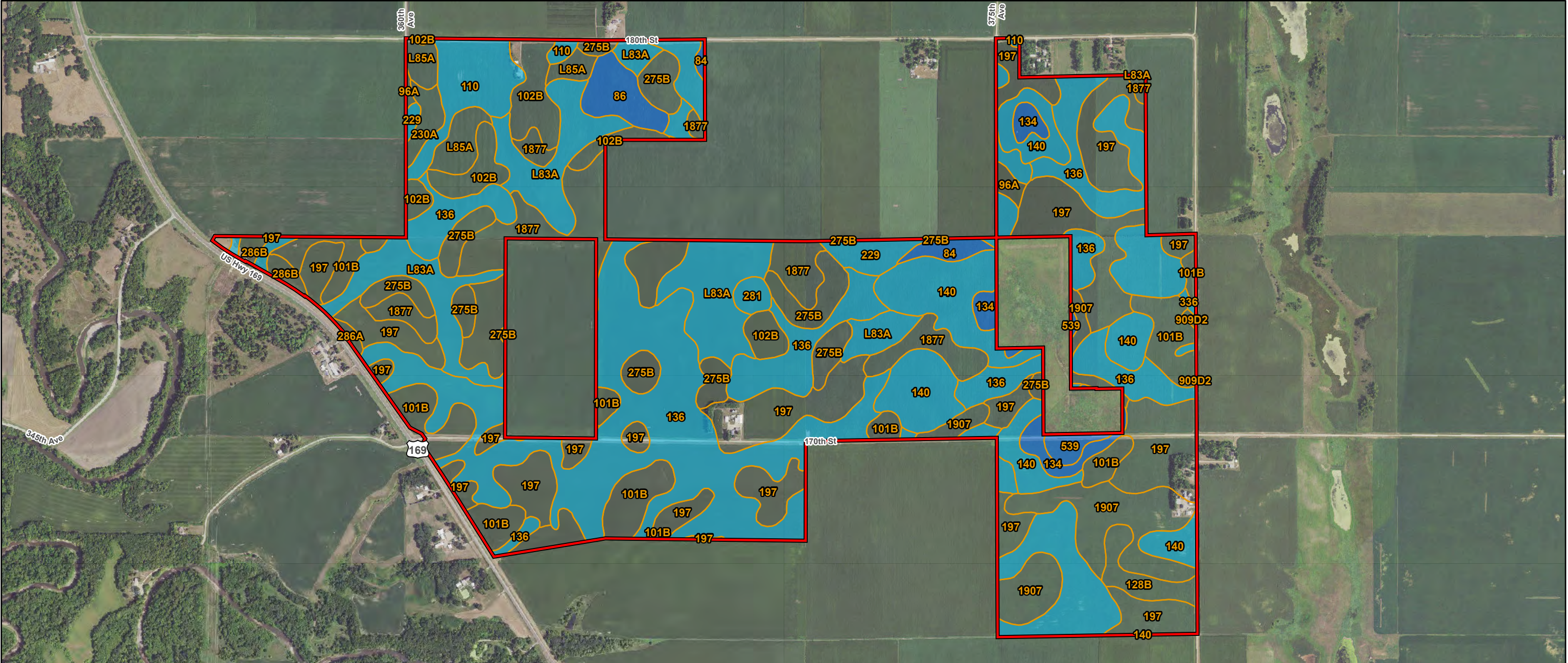


Northern Crescent Solar & Storage Project

Faribault County, Minnesota

Prime Farmland & Farmland Classification

FIGURE 11 (July, 2024)



Map Unit Symbol	Map Unit Name	Hydric Classification	Percent Hydric Classification
101B	Truman silt loam, 2 to 6 percent slopes	Predominantly Non-Hydric	2
1907	Lakefield silt loam	Predominantly Non-Hydric	2
102B	Clarion loam, 2 to 6 percent slopes	Predominantly Non-Hydric	5
128B	Grogan silt loam, 1 to 6 percent slopes	Predominantly Non-Hydric	5
1877	Fostoria loam	Predominantly Non-Hydric	5
197	Kingston silty clay loam, 1 to 3 percent slopes	Predominantly Non-Hydric	5
230A	Guckeen silty clay loam, 1 to 3 percent slopes	Predominantly Non-Hydric	5
275B	Ocheyedan loam, 2 to 6 percent slopes	Predominantly Non-Hydric	5
286B	Shorewood silty clay loam, 3 to 6 percent slopes	Predominantly Non-Hydric	5
286A	Shorewood silty clay loam, 1 to 3 percent slopes	Predominantly Non-Hydric	10
909D2	Bold-Truman complex, 12 to 18 percent slopes, eroded	Predominantly Non-Hydric	10
96A	Collinwood silty clay loam, 1 to 3 percent slopes	Predominantly Non-Hydric	10

Map Unit Symbol	Map Unit Name	Hydric Classification	Percent Hydric Classification
L85A	Nicollet clay loam, 1 to 3 percent slopes	Predominantly Non-Hydric	10
136	Madelia silty clay loam, 0 to 2 percent slopes	Predominantly Hydric	94
110	Marna silty clay loam, 0 to 2 percent slopes	Predominantly Hydric	95
229	Waldorf silty clay loam, 0 to 2 percent slopes	Predominantly Hydric	95
281	Darfur loam	Predominantly Hydric	95
336	Delft clay loam, 0 to 2 percent slopes	Predominantly Hydric	95
L83A	Webster clay loam, 0 to 2 percent slopes	Predominantly Hydric	95
140	Spicer silty clay loam, 0 to 2 percent slopes	Predominantly Hydric	98
134	Okoboji silty clay loam, 0 to 1 percent slopes	All Hydric	100
539	Klossner muck, lake plain, depressional, 0 to 1 percent slopes	All Hydric	100
84	Brownton silty clay loam, 0 to 2 percent slopes	All Hydric	100
86	Canisteo clay loam, 0 to 2 percent slopes	All Hydric	100

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

Legend

Project Area

Soil Unit Boundary

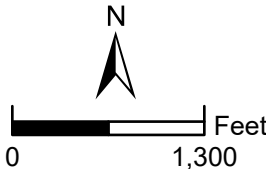
Hydric Classification

All Hydric

Predominantly Hydric

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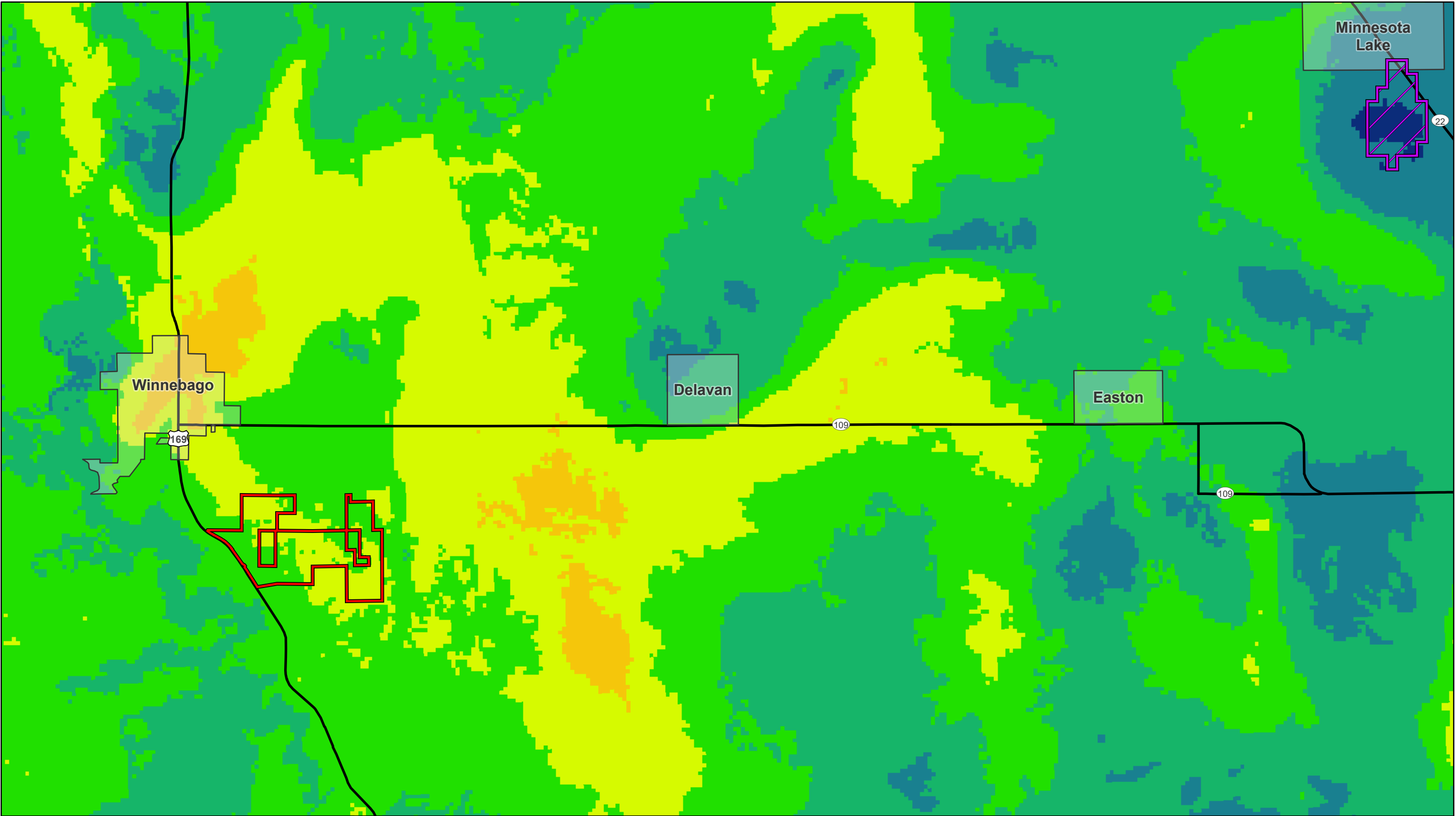


Northern Crescent Solar
& Storage Project

Faribault County, Minnesota

Hydric Soils

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

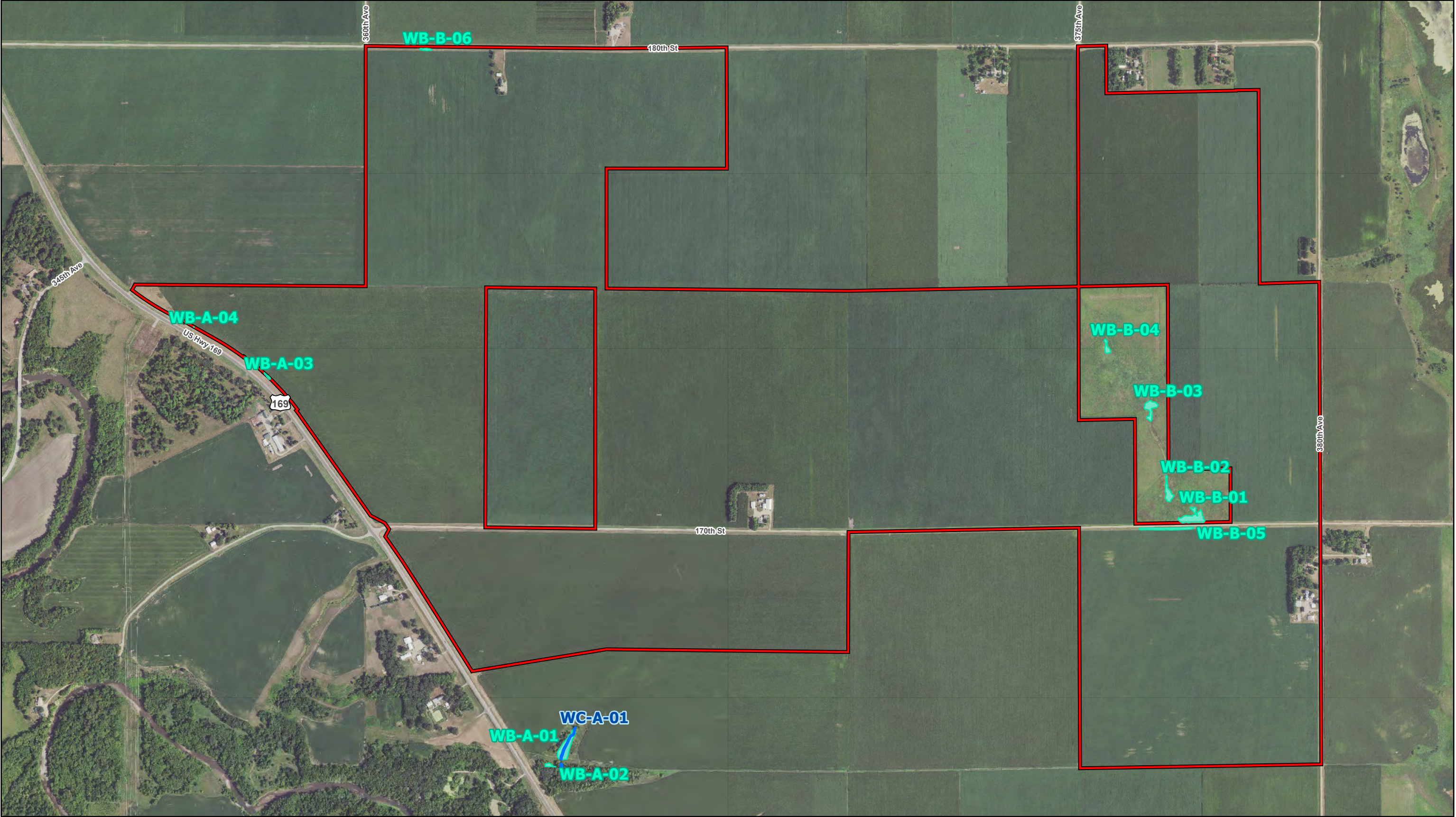
- Project Area
- County Boundary
- Municipal Boundary

- 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)



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

Legend

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

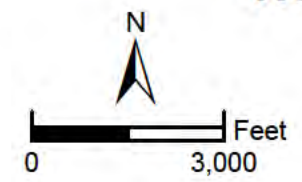
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**Northern Crescent Solar
& Storage Project**

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)