

ITEM NO.	DESCRIPTION
001	END TUNING
002	CONCRETE
003	END TUNING
004	TUNING FEED
005	TUNING ENVELOPE
006	LUBE OIL PACKAGE
007	ELECTRICAL PACKAGE
008	END TUNING
009	END TUNING
010	3000 HERTZ FREQUENCY CONVERTER/STATION EQUIP. PWR
011	3000 HERTZ FREQUENCY CONVERTER
012	CONCRETE AUGER DRIVE TABLE
013	3000 HERTZ FREQUENCY CONVERTER TRANSFORMER
014	MULTI-DUCT AND BLENDER

ITEM NO.	DESCRIPTION
015	MULTI FEEDER
016	EXHAUST TRANSITION DUCT
017	EXHAUST TUNNEL DRY STORAGE CABINET
018	EXHAUST AIR FAN
019	LUBE OIL STORAGE
020	RESISTANCE WELDING AIR GENERATOR
021	(NOT USED)
022	FLAME PROTECTION STOP
023	COMPRESSOR WITH OILS
024	HYDRAULIC CONTROL IN RIG
025	FUEL GAS MAIN FILTER/MANIFOLD
026	FUEL OIL PUMP LINE
027	WATER INJECTION PUMP 3000
028	EXHAUST STOP

Figure 1-1 System Component Layout

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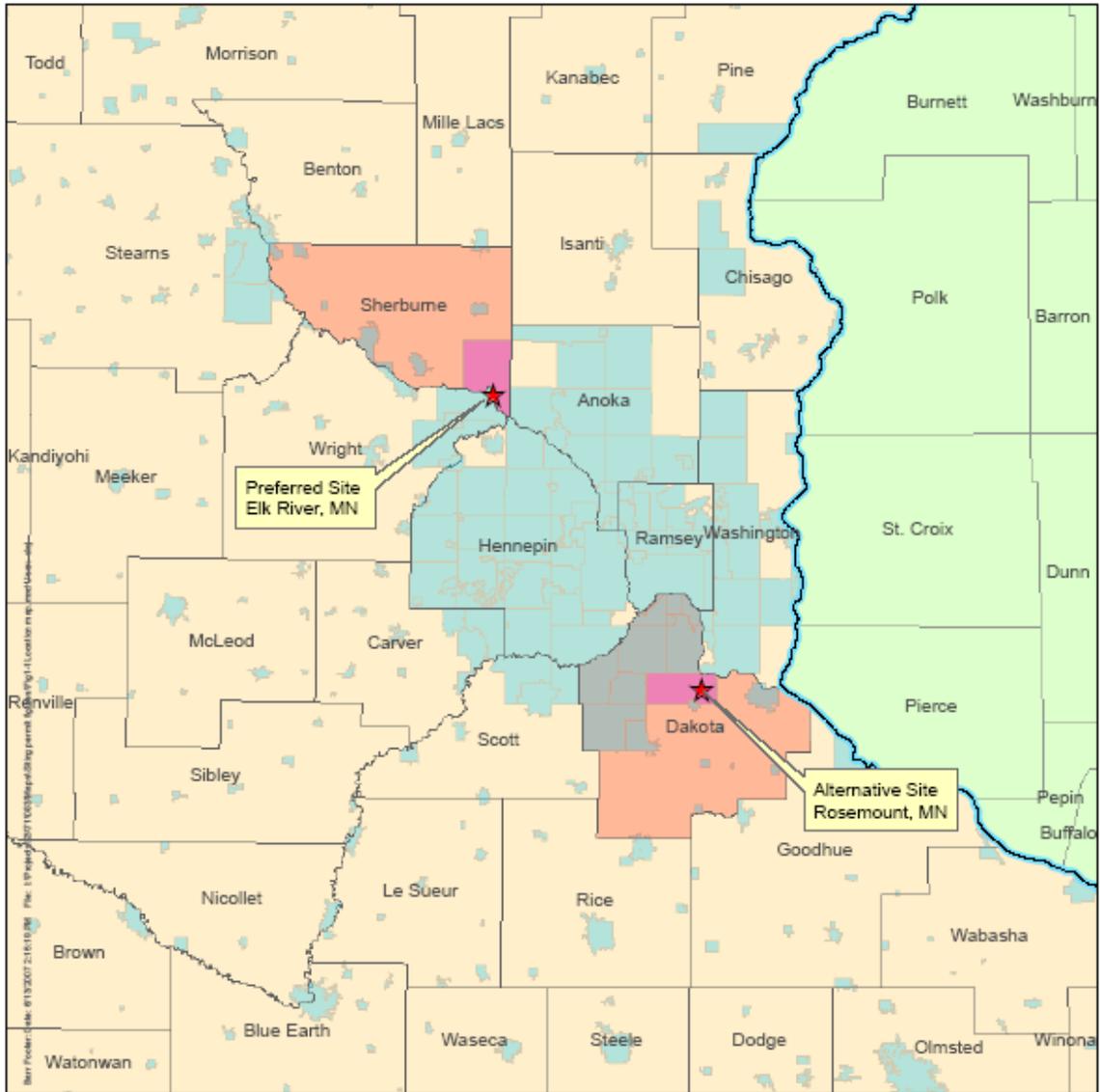
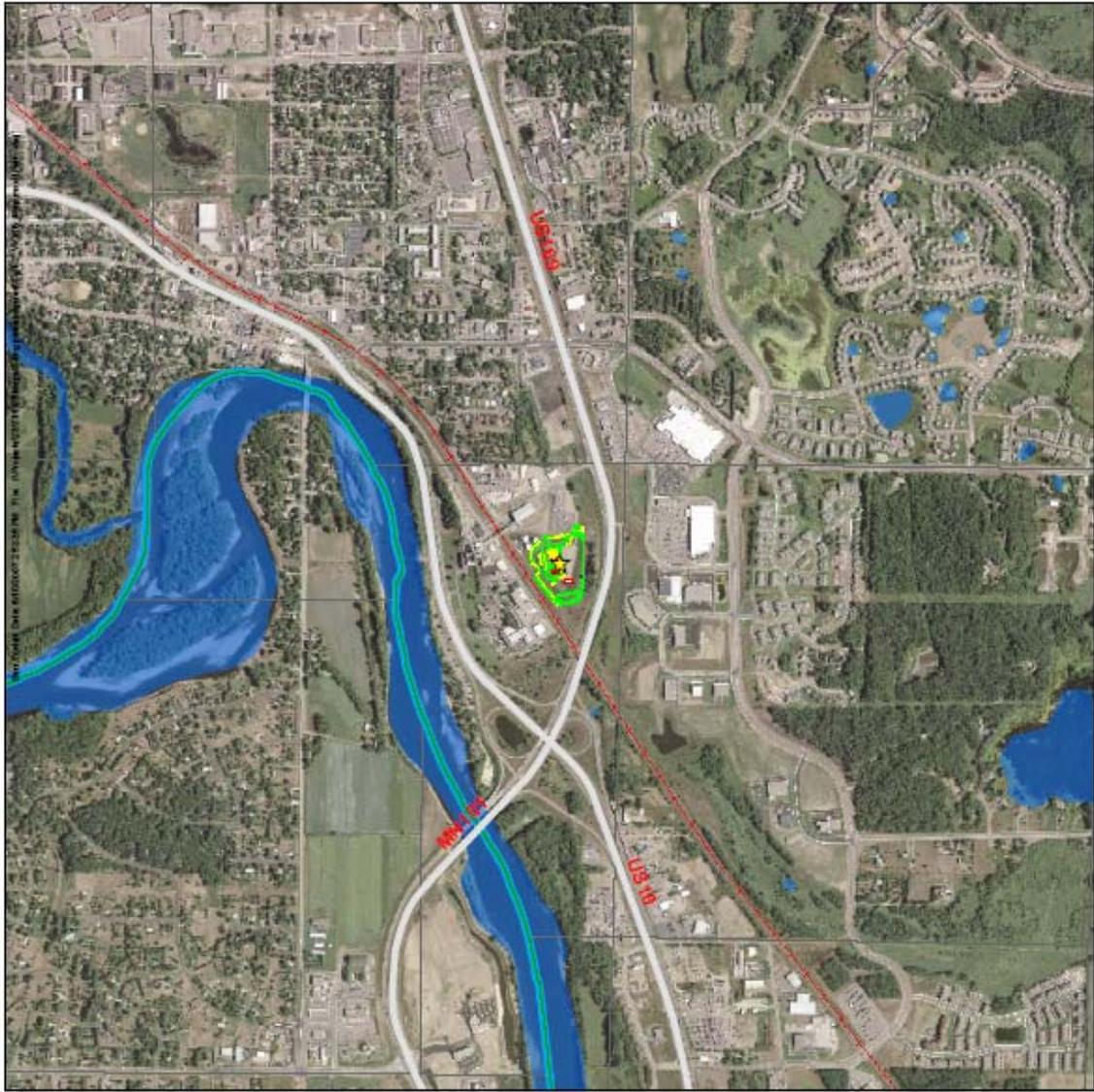


Figure 1-2 Site Location Map: Preferred and Alternative Site

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Legend

- ★ Project Plant Site
- Highway
- Mississippi River centerline
- Lakes/River
- +— Railroad



Figure 1-3 Preferred Site (Large Scale Map)

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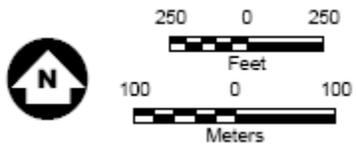
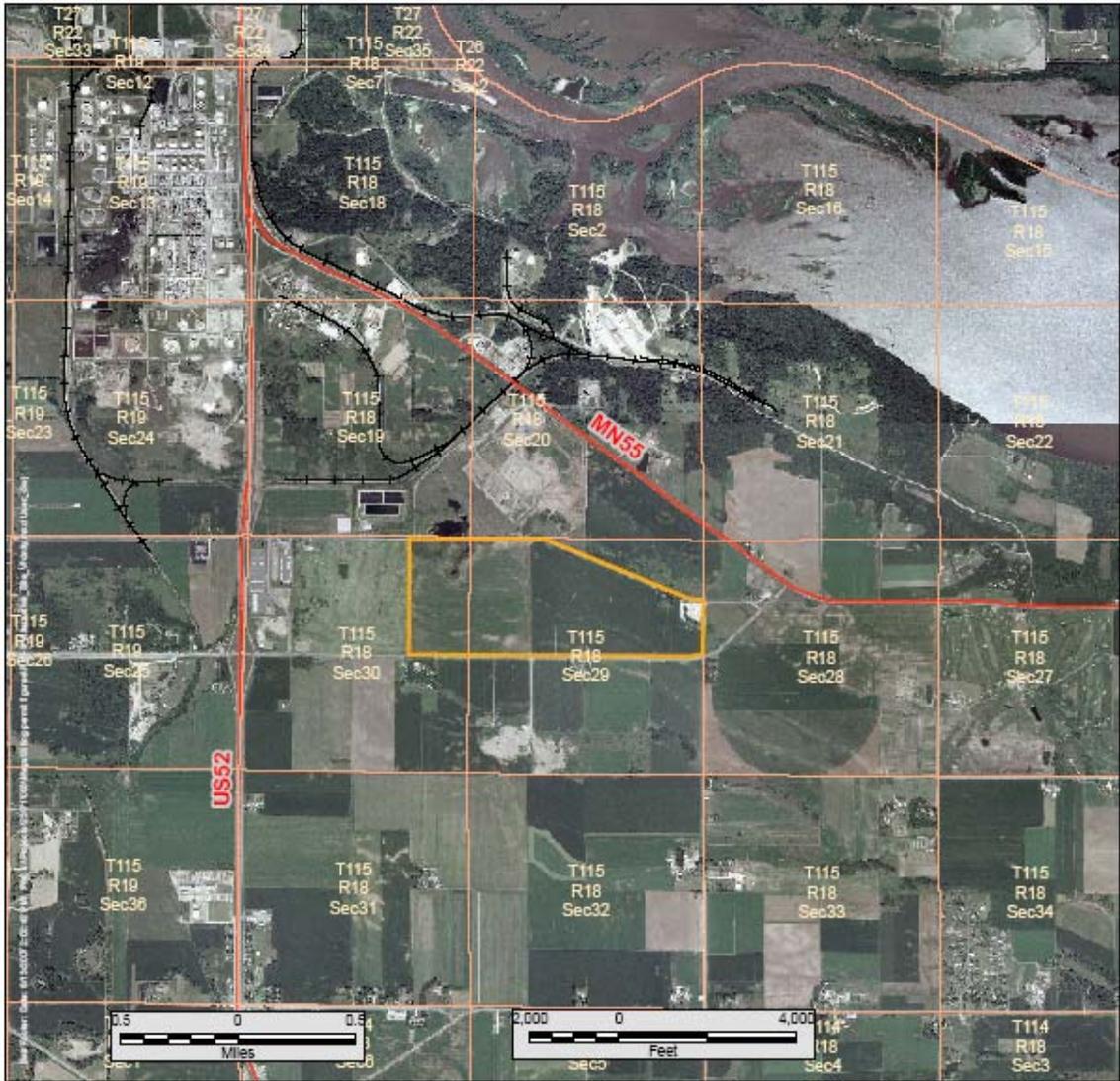


Figure 1-4 Preferred Site (Small Scale Map)

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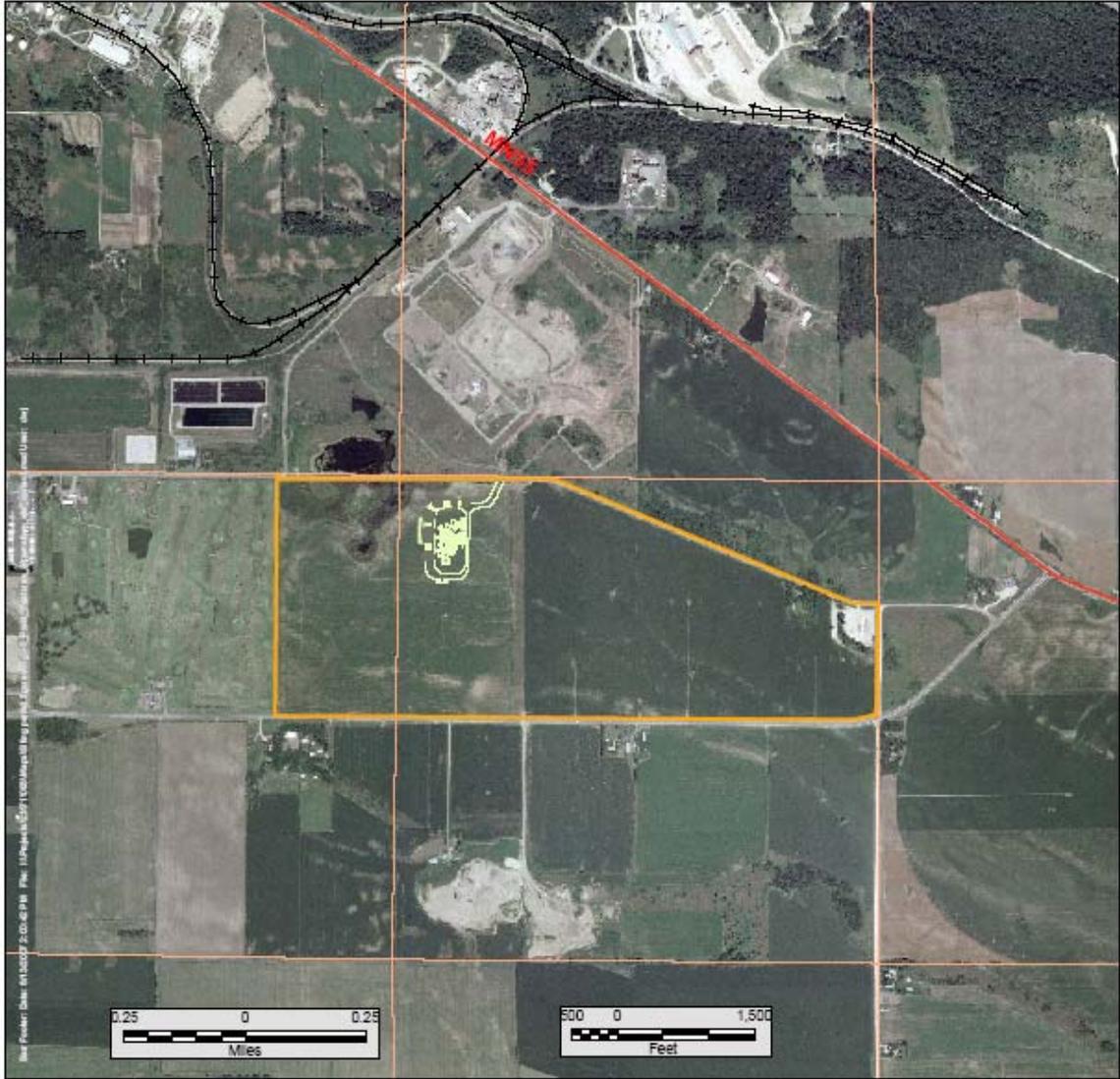


Legend
 Rosemount site boundary



Figure 1-5 Alternative Site (Large Scale Map)

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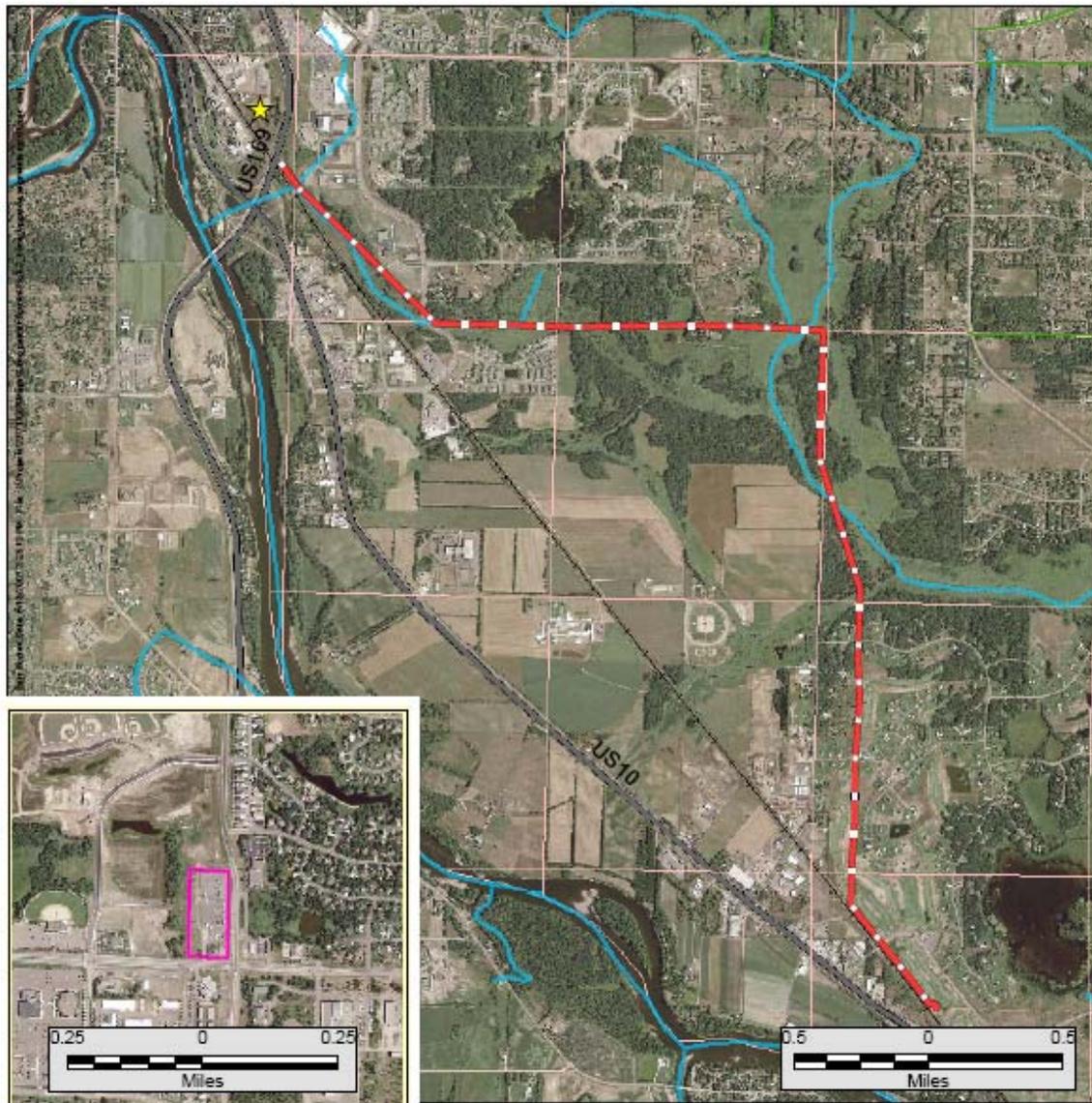


Legend
Rosemount site boundary



Figure 1-6 Alternative Site (Small Scale Map)

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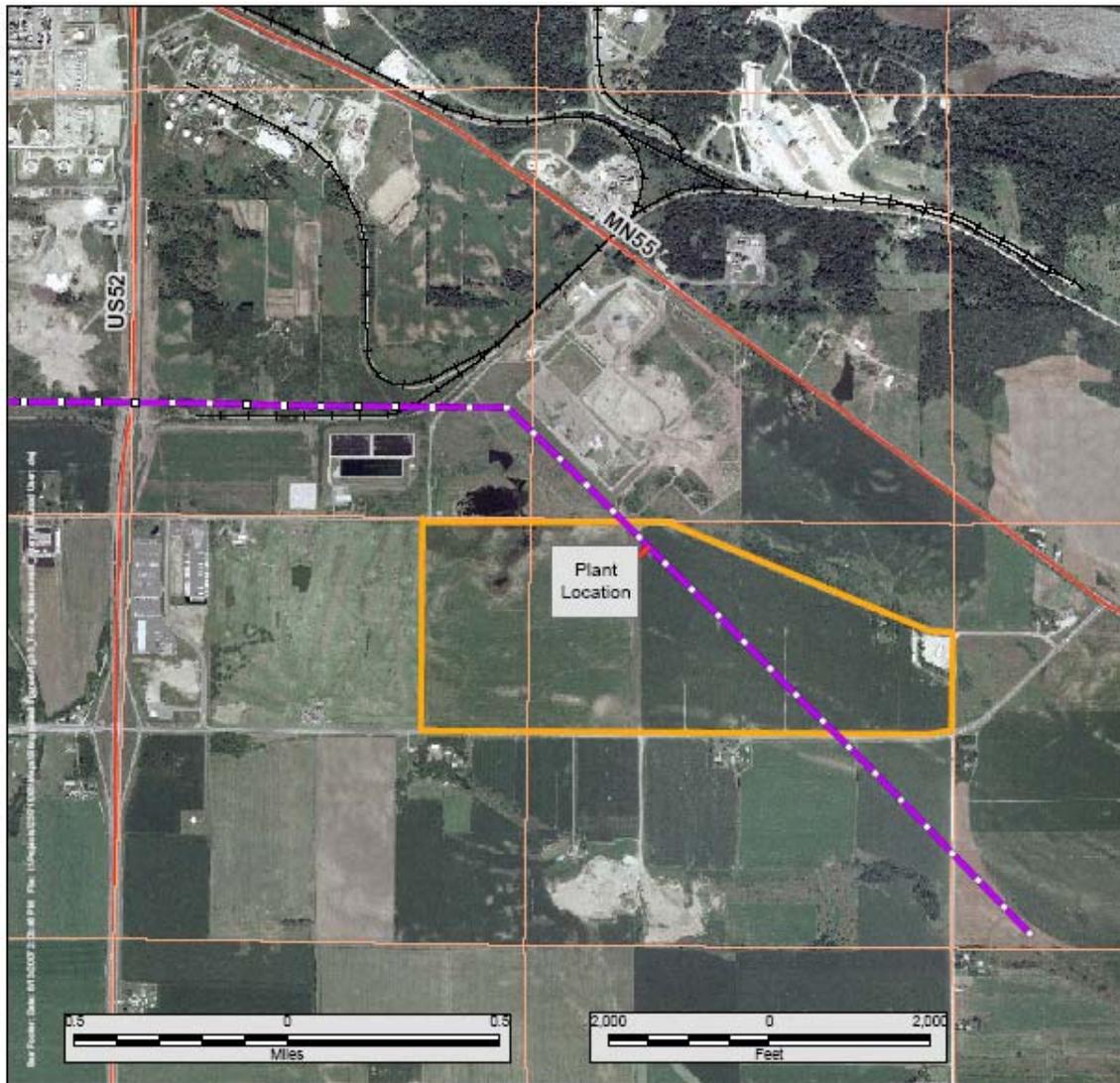
Legend

- ★ GRE campus & proposed plant site
- Transmission line upgrades
- Substation



Figure 1-7 Preferred Site Transmission Interconnection Map

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Legend

Transmission Lines -Alternative Site

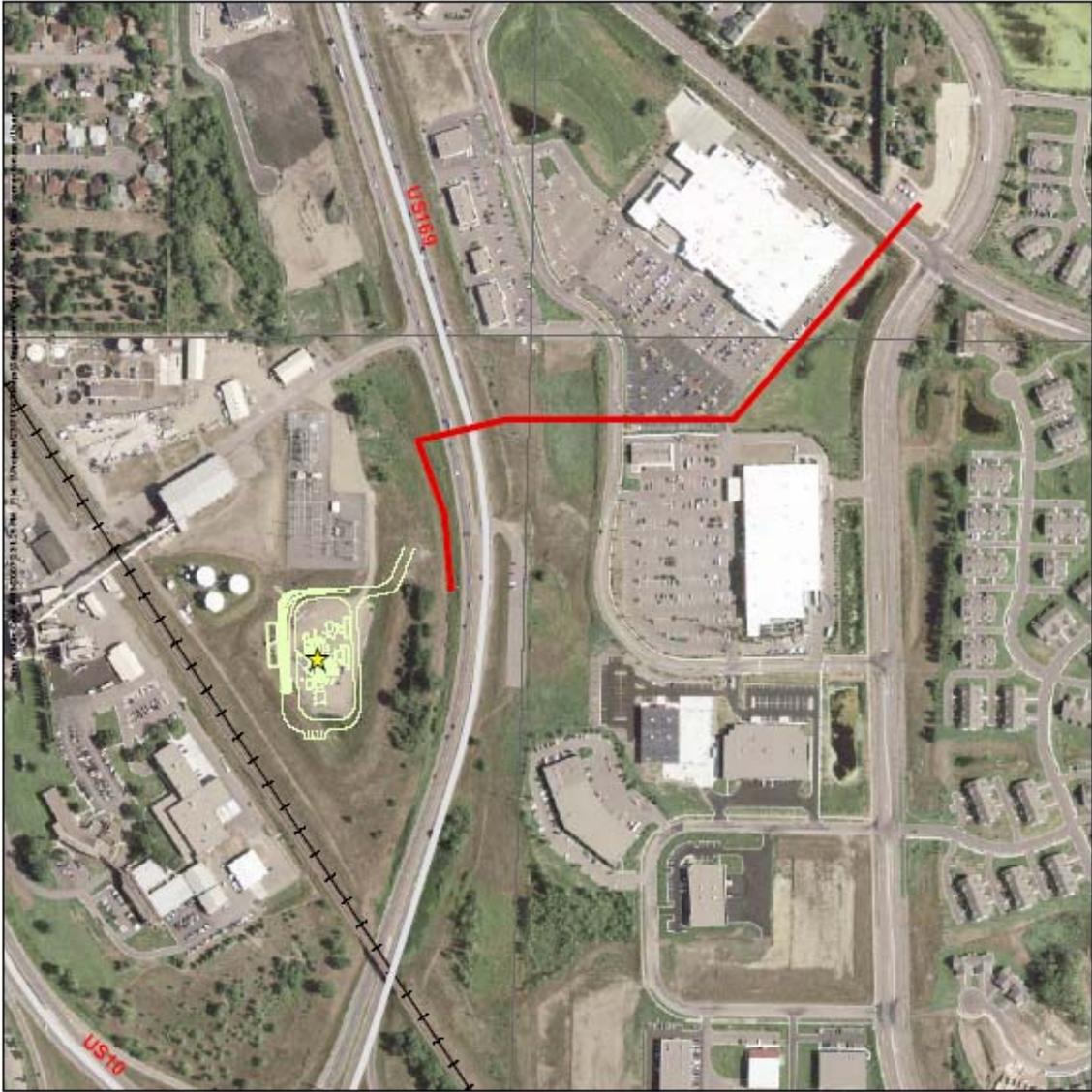
-  Existing 345kV line
-  Interconnect*
-  Rosemount site boundary

*Electric Generating Facility
Connected Directly Into Existing
345kV Transmission Line



Figure 1-8 Alternative Site Transmission Interconnection Map

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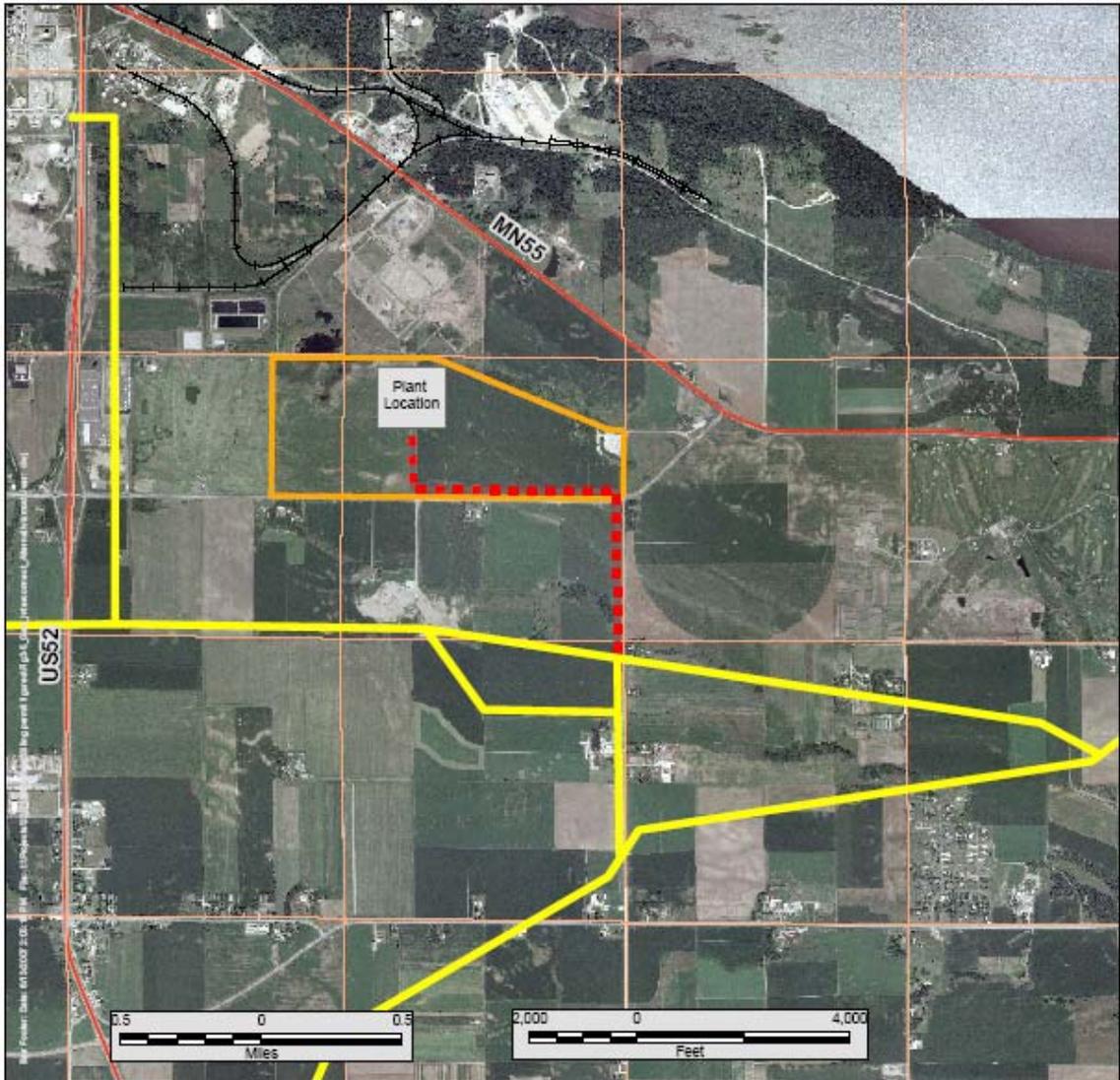
Legend

-  Project Plant Site
-  Gas Pipeline Route
-  Highways
-  Railroad



Figure 1-9 Preferred Site Pipeline Map

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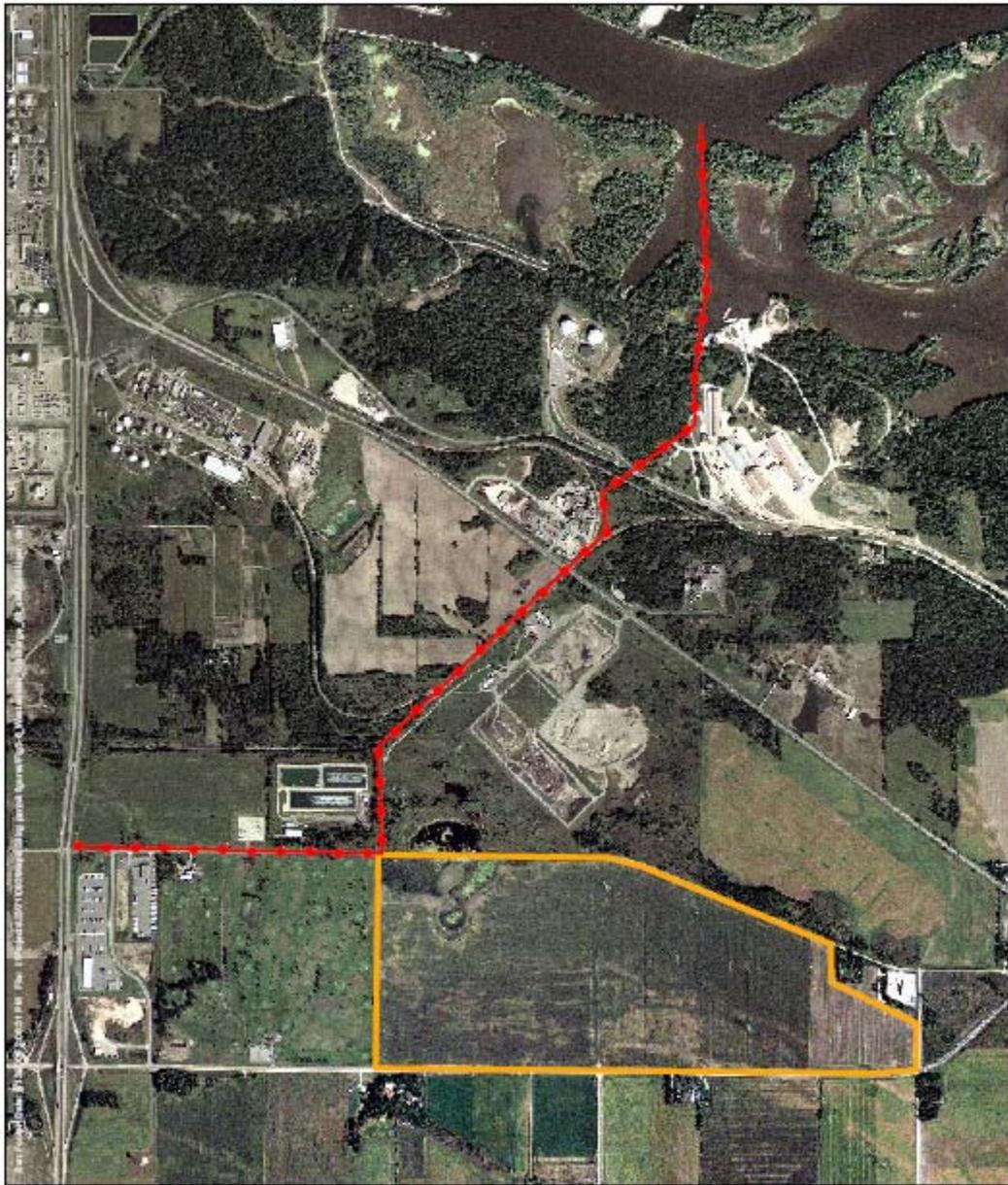


- Legend**
- Rosemount site boundary
 - Natural Gas Pipelines**
 - Existing Natural Gas Lines
 - Gas Interconnect to Site



Figure 1-10 Alternative Site Pipeline Map

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Legend

→ Proposed MCES Effluent Pipe Route

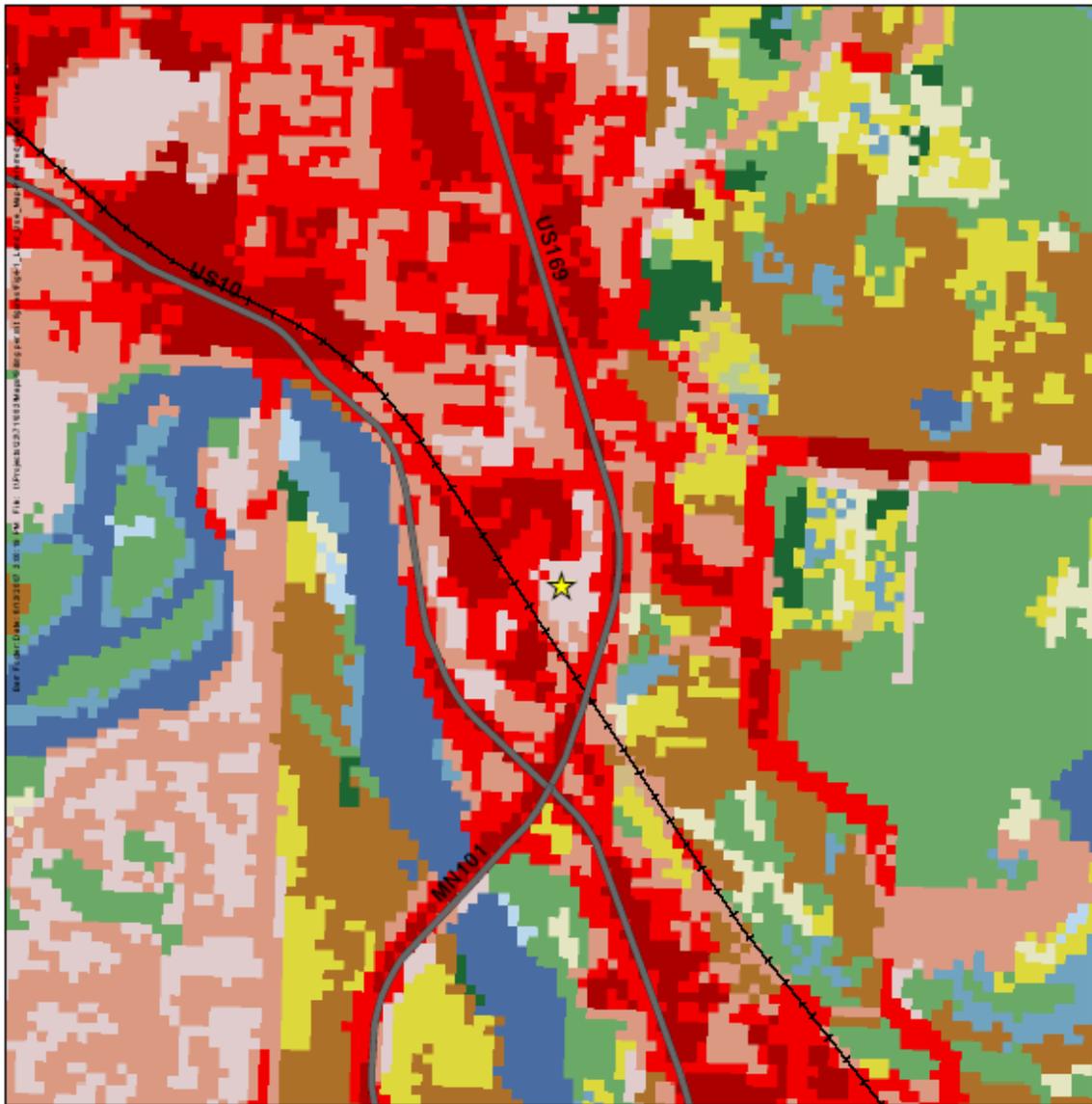
□ Site Location



Figure 1-11 Alternative Site Wastewater Discharge Route Map

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Legend

★ GRE campus & proposed plant site

- | | |
|-------------------------------|-----------------------|
| ■ Open Water | ■ Emergent Herbaceous |
| ■ Developed, Open Space | ■ Mixed Forest |
| ■ Developed, Low Intensity | ■ Shrub/Scrub |
| ■ Developed, Medium Intensity | ■ Herbaceous |
| ■ Developed, High Intensity | ■ Hay/Pasture |
| ■ Barren Land | ■ Cultivated Crops |
| ■ Deciduous Forest | ■ Woody Wetlands |
| ■ Evergreen Forest | |

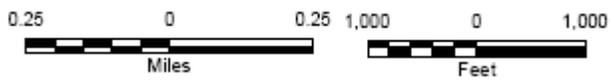
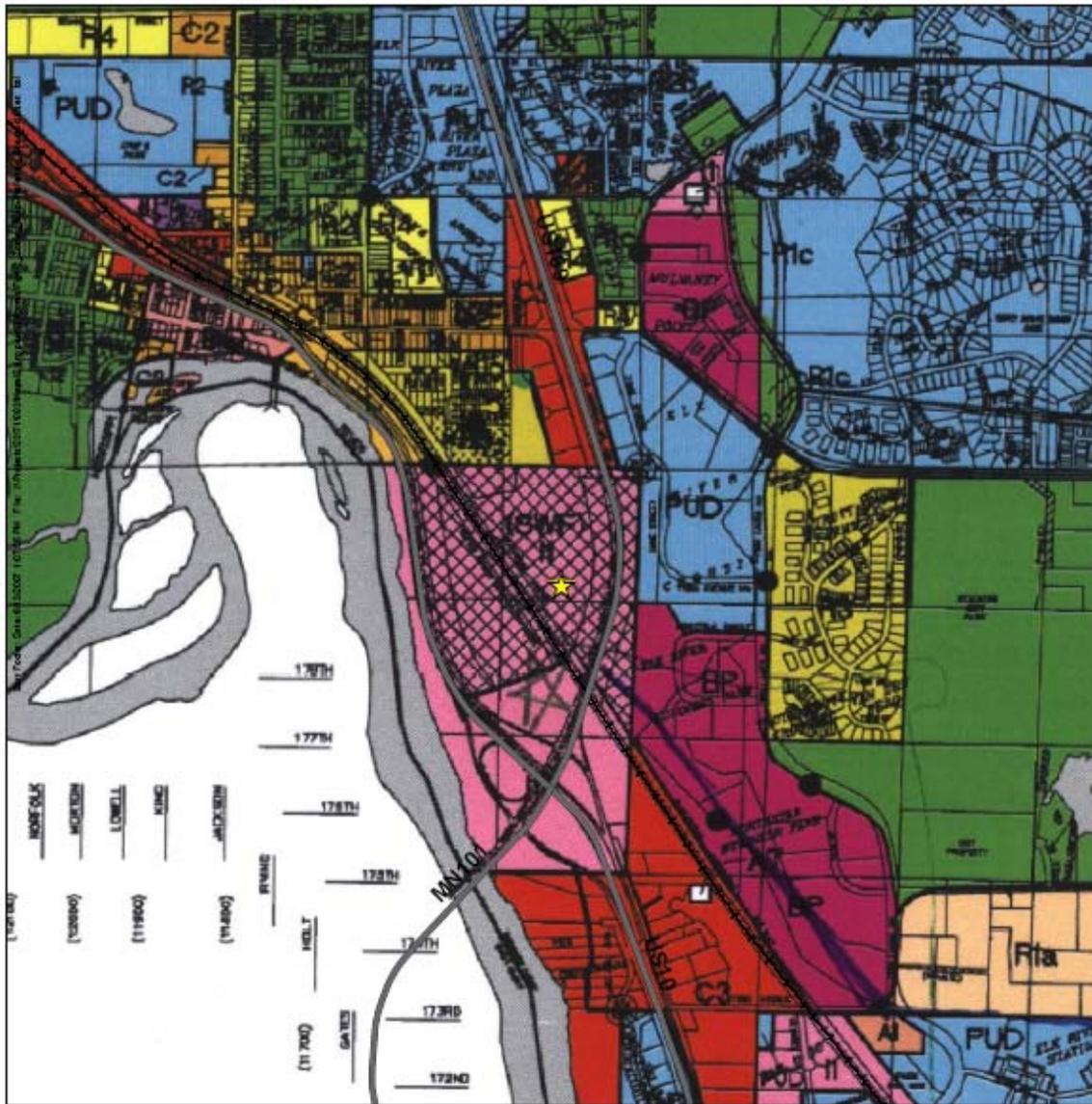


Figure 4-2 Preferred Site: Landuse Map

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Legend

★ GRE campus & proposed plant site

- | | |
|--|--|
| A1 Agricultural Conservation | B1 Business Park |
| A1L Agricultural Research | DD Downtown District |
| R1a Single Family Residential | C1 Central Commercial |
| R1b Single Family Residential | C2 Office District |
| R1c Single Family Residential | H1 Highway Commercial |
| R1d Single Family Residential | CC Community Commercial |
| R2 Two Family Residential | I1 Light Industrial |
| R2h Two Family Residential | M1 Medium Industrial |
| R3 Townhouse/Multiple Family Res. | W1 Bulk Waste Facility |
| R4 Multiple Family Residential | AT Airline Tower |
| PUD Planned Unit Development | |

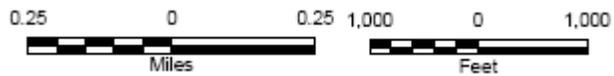
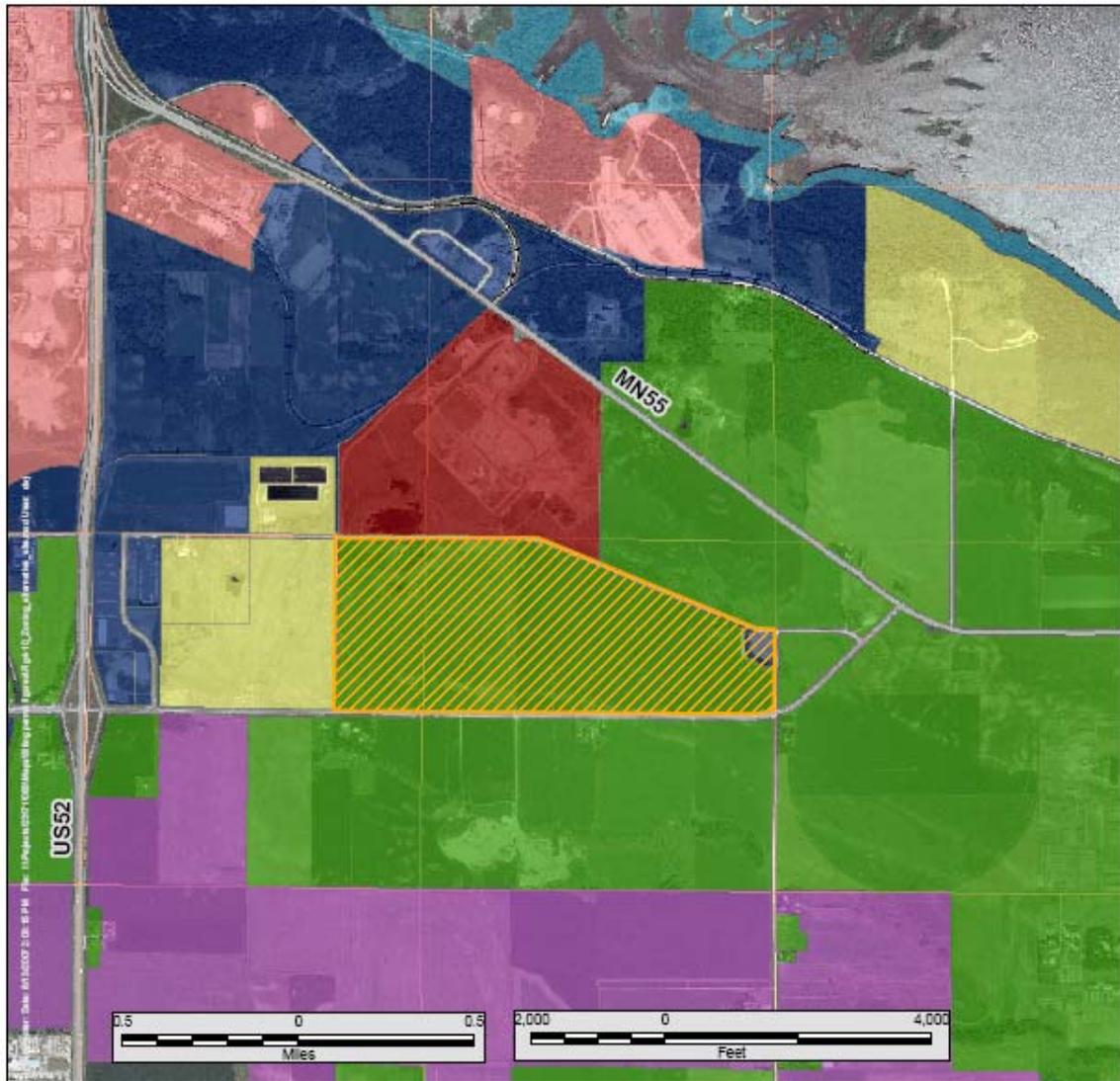


Figure 4-3 Preferred Site Zoning Map

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- Legend**
-  Alternative site boundary
 - Rosemount Zoning**
 -  Agricultural
 -  Agricultural Preserve
 -  Flood Plain
 -  General Industrial
 -  Heavy Industrial
 -  Public Institutional
 -  Waste Management



Figure 4-4 Alternative Site: Zoning Map

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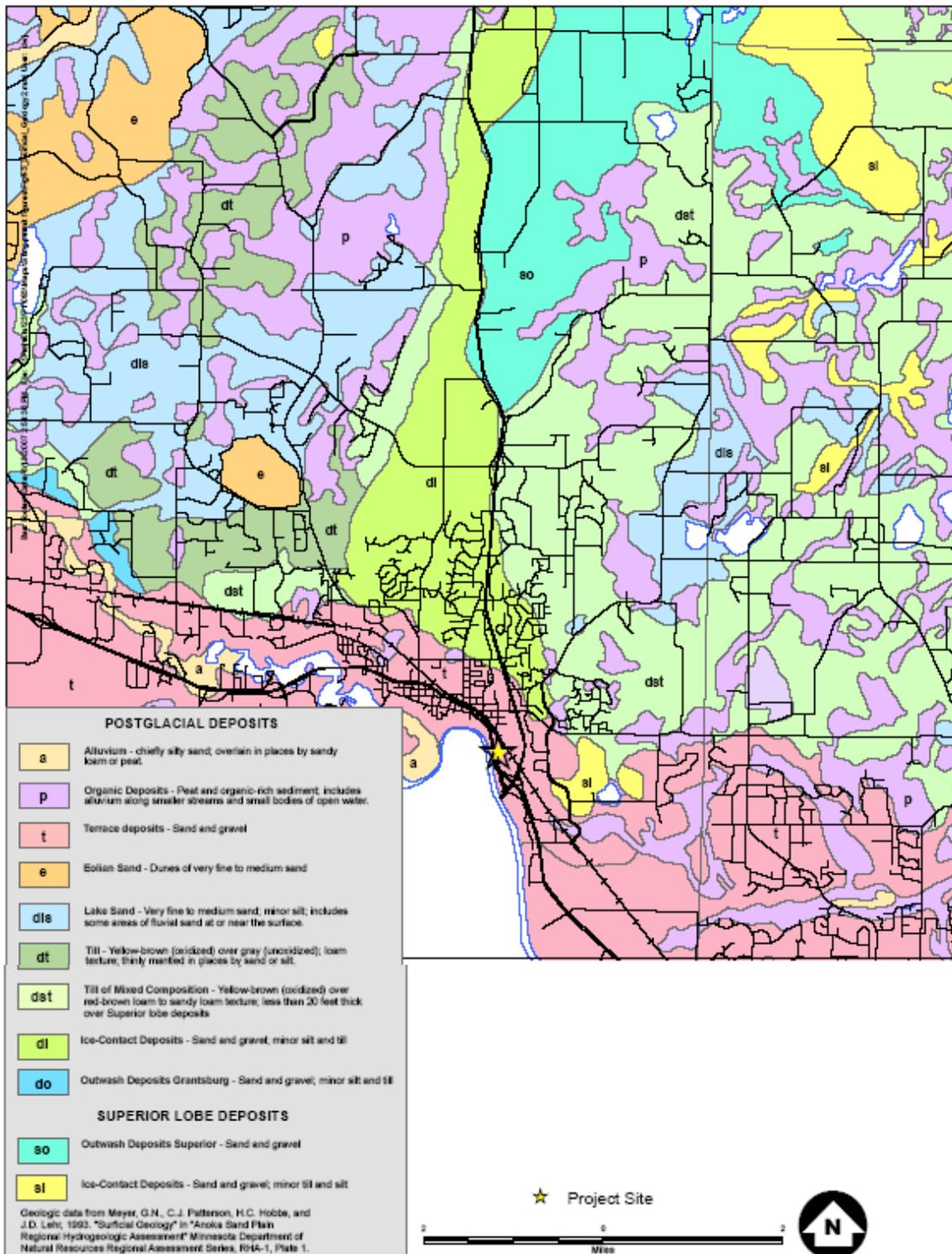


Figure 4-5 Preferred Site Surficial Geology

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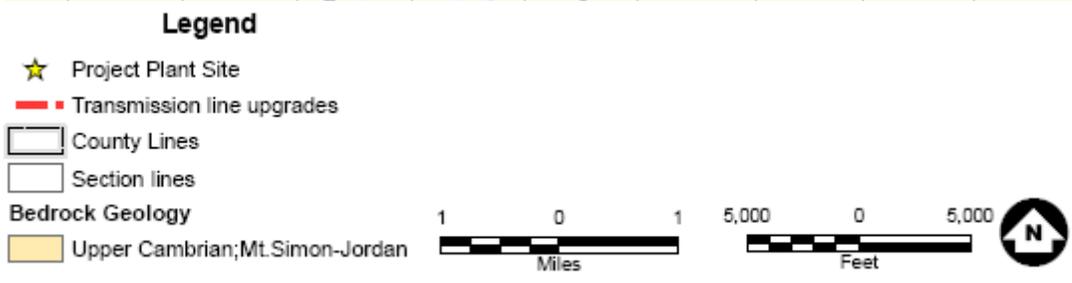


Figure 4-6 Preferred Site: Bedrock Geology

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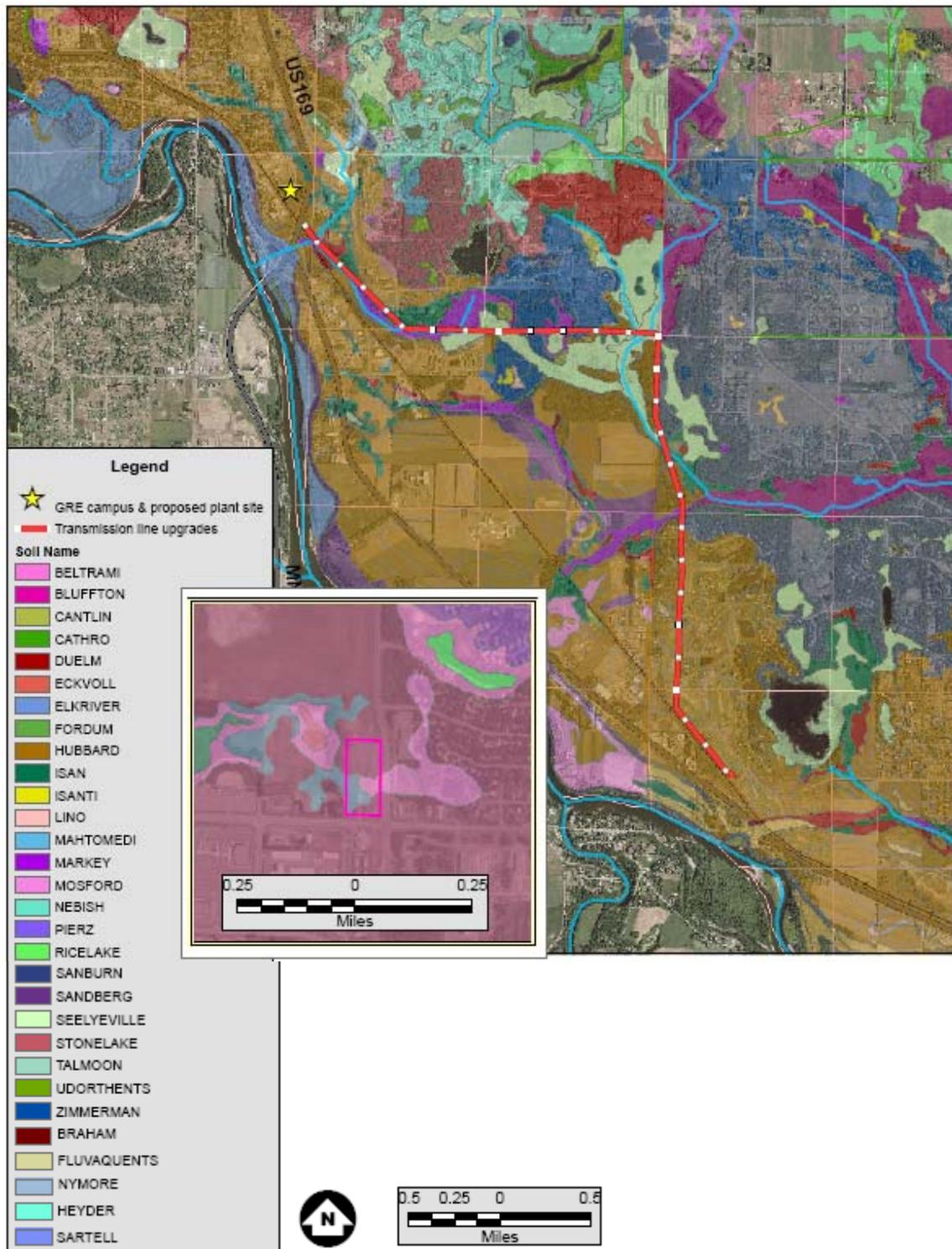
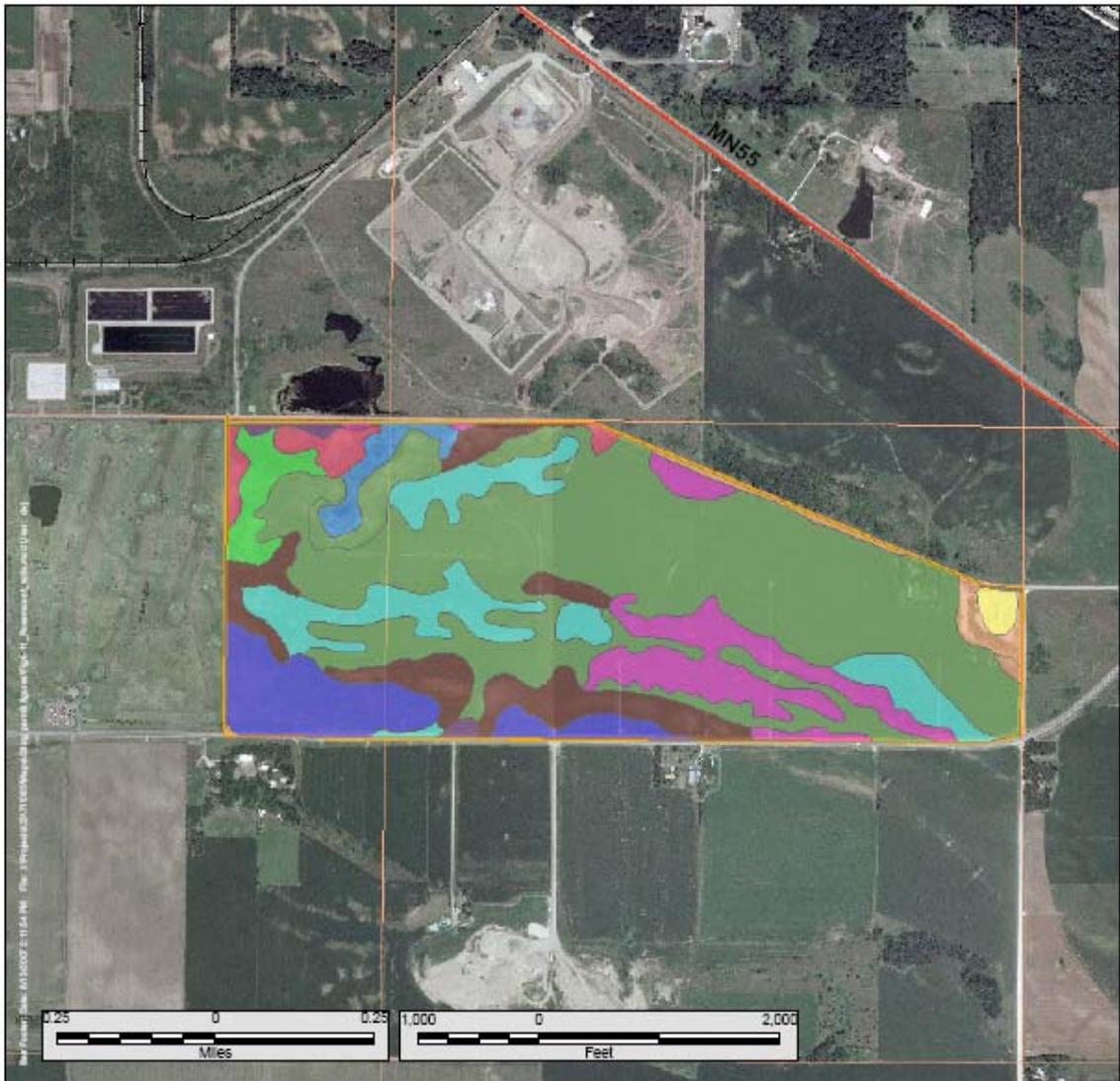


Figure 4-7 Preferred Site: Soils along Transmission Line Upgrades/Substation

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Legend

Rosemount site boundary

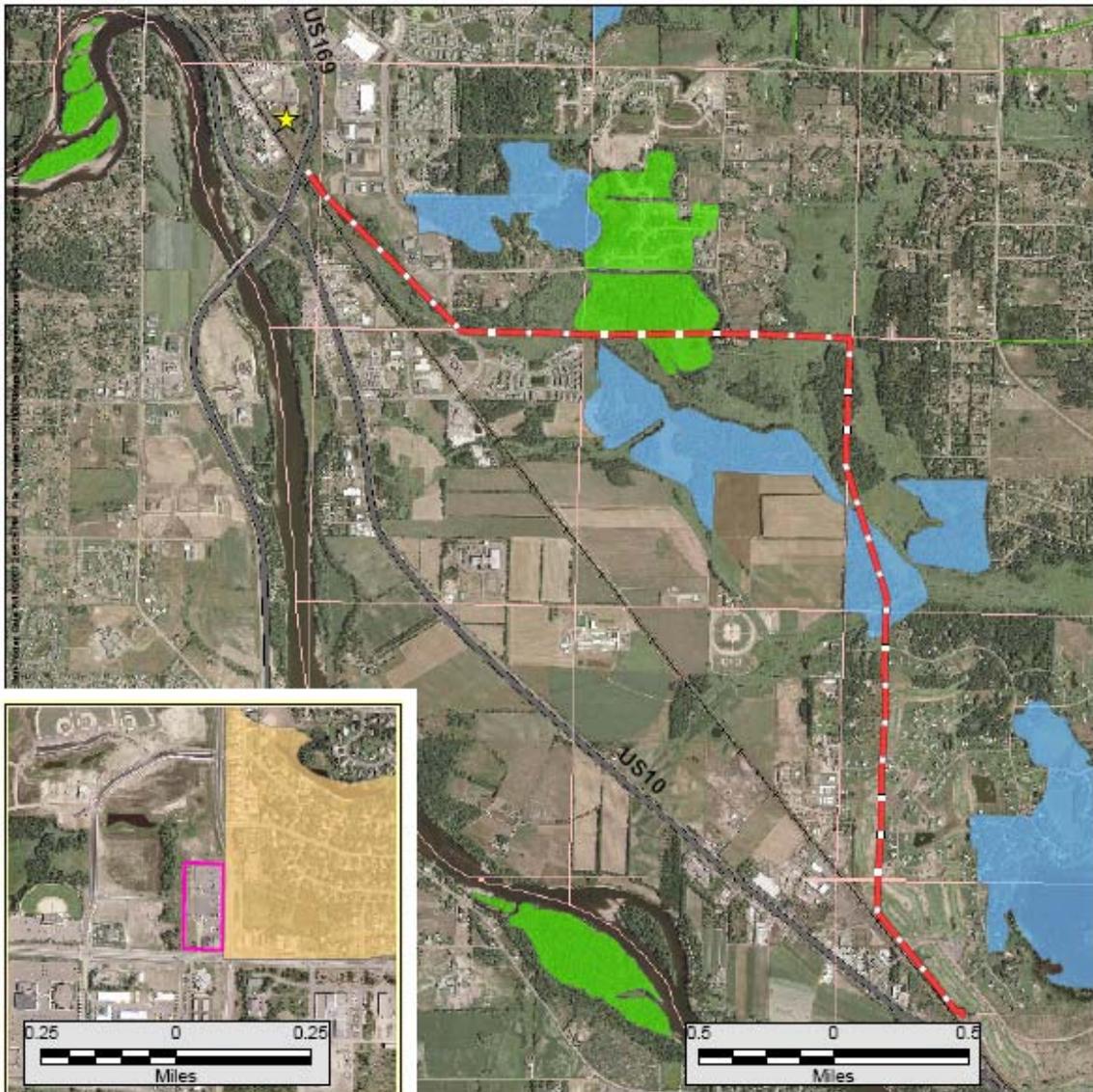
Soil Series

- Dickinson
- Estherville
- Hawick
- Hubbard
- Kanaranzi
- Kato
- Kennebec
- Spillville
- Urban Land
- Wadena
- Waukegan



Figure 4-8 Alternative Site: Soils Map

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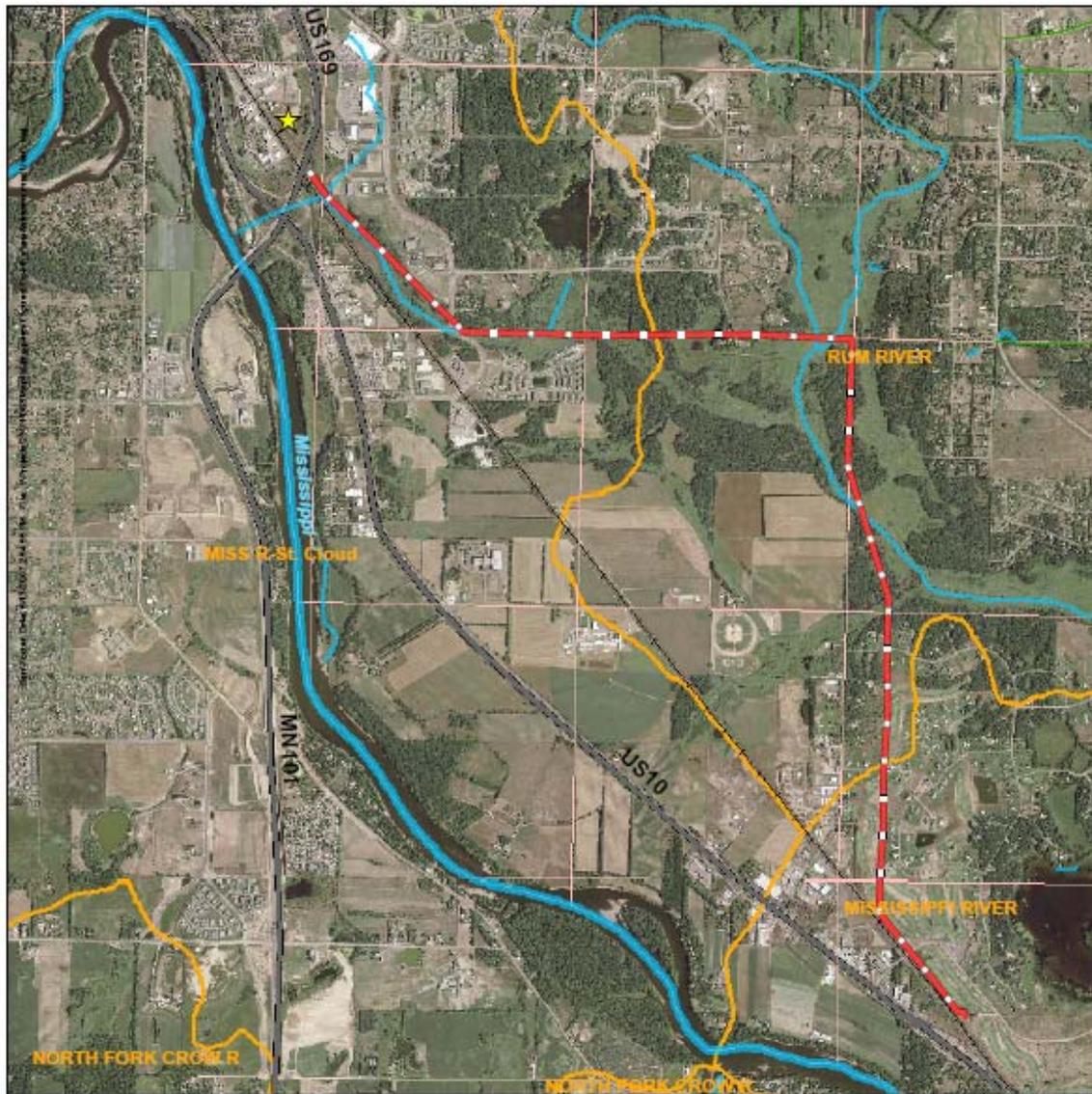
Legend

- ★ GRE campus & proposed plant site
- Transmission line upgrades
- Substation
- Sites of Biodiversity Significance**
- Outstanding
- High
- Moderate
- Below



Figure 4-9 Preferred Site: Biodiversity Map

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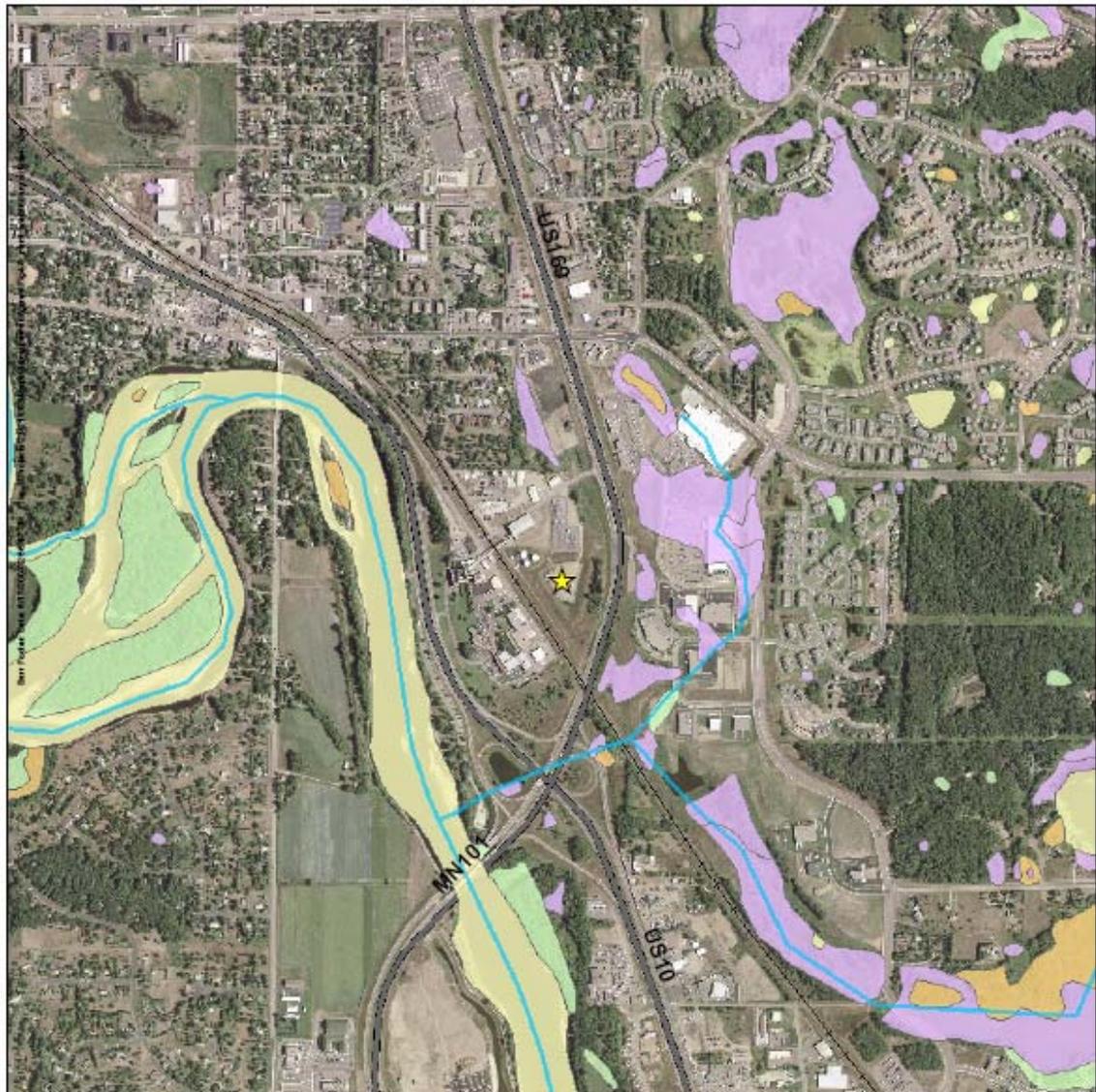
Legend

- ★ GRE campus & proposed plant site
- Transmission line upgrades
- Rivers & Streams
- Major Watershed Boundary



Figure 4-10 Preferred Site: Rivers, Streams & Watersheds

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Legend

- ★ GRE campus & proposed plant site
- Rivers & Streams
- NWI wetlands:
 - Emergent
 - Forested
 - Scrub-shrub
 - Unconsolidated bottom

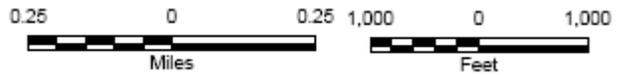
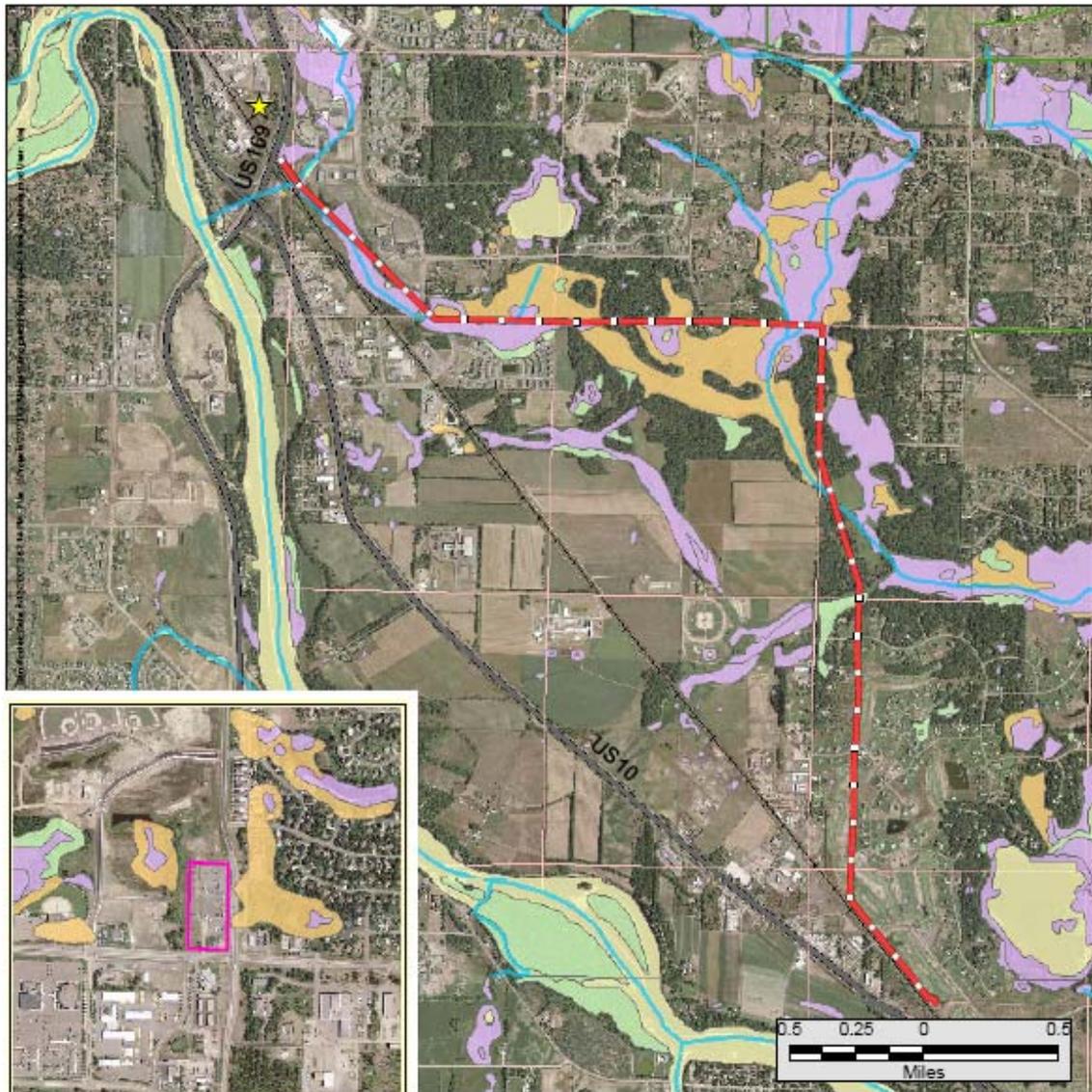


Figure 4-11 Preferred Site: National Wetland Inventory Map

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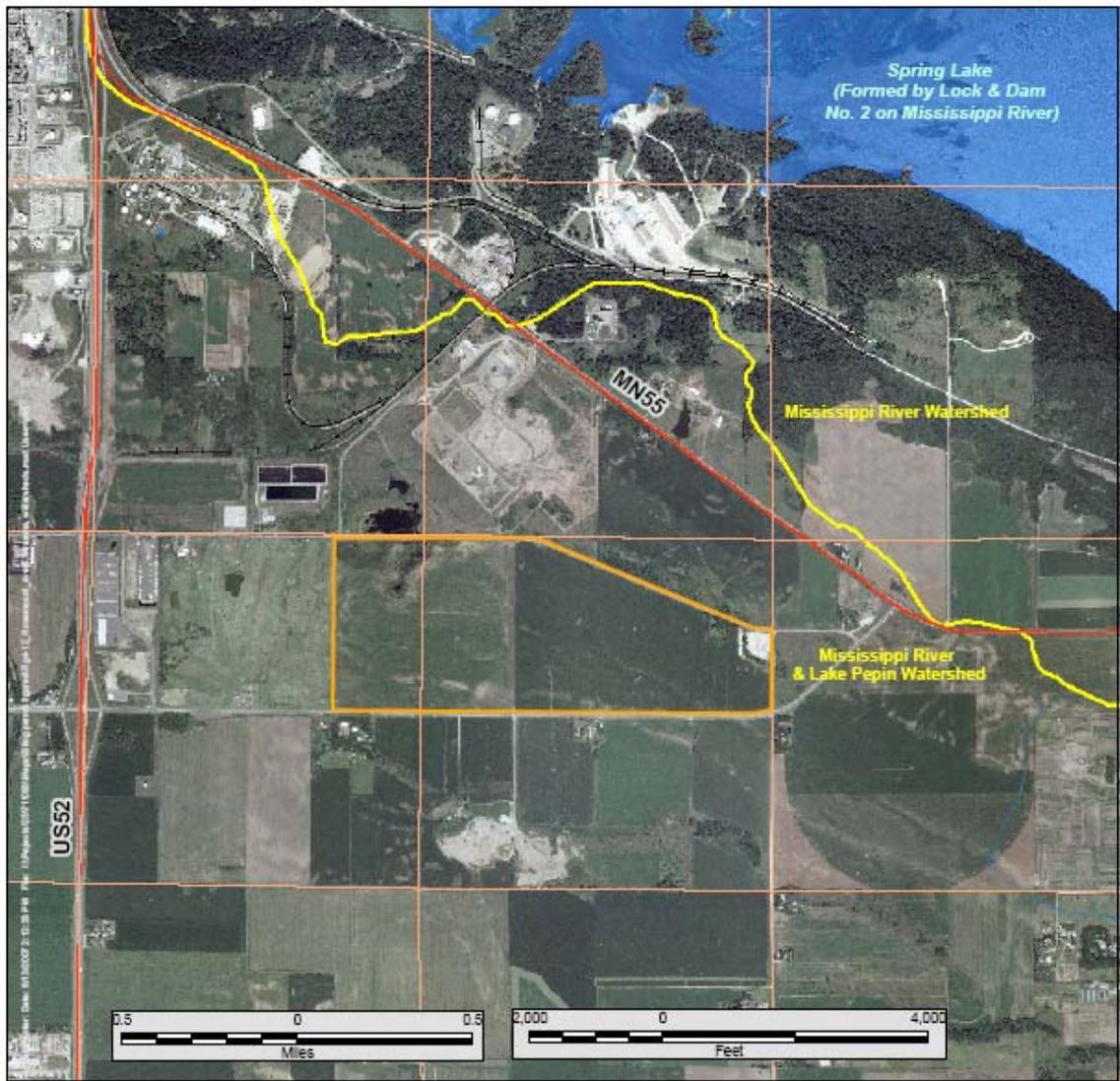
Legend

- ★ GRE campus & proposed plant site
- Transmission line upgrades
- Rivers & Streams
- NWI wetlands:
 - Emergent
 - Forested
 - Scrub-shrub
 - Unconsolidated bottom



Figure 4-12 Preferred Site: National Wetland Inventory Map (Transmission Upgrades/Substation)

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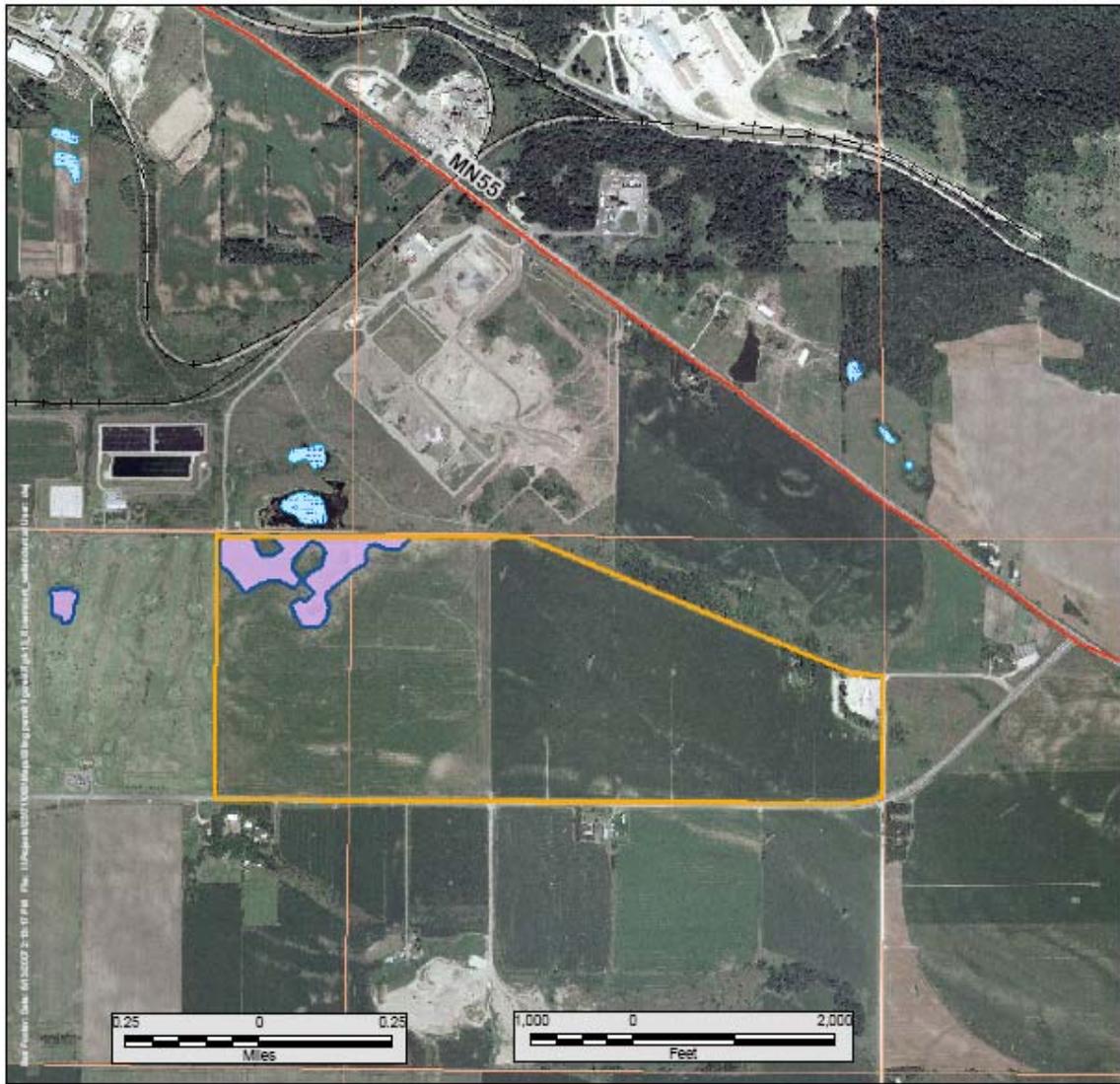


Legend

- Rosemount site boundary
- Lake/River
- Watershed Boundary



Figure 4-13 Alternative Site: Rivers & Watersheds



Legend

-  Rosemount site boundary
-  Palustrine emergent
-  Wetlands Delineated April 2003



Figure 4-14 Alternative Site: National Wetland Inventory Map