






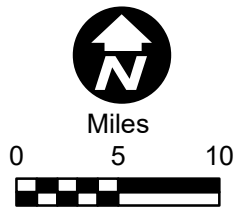
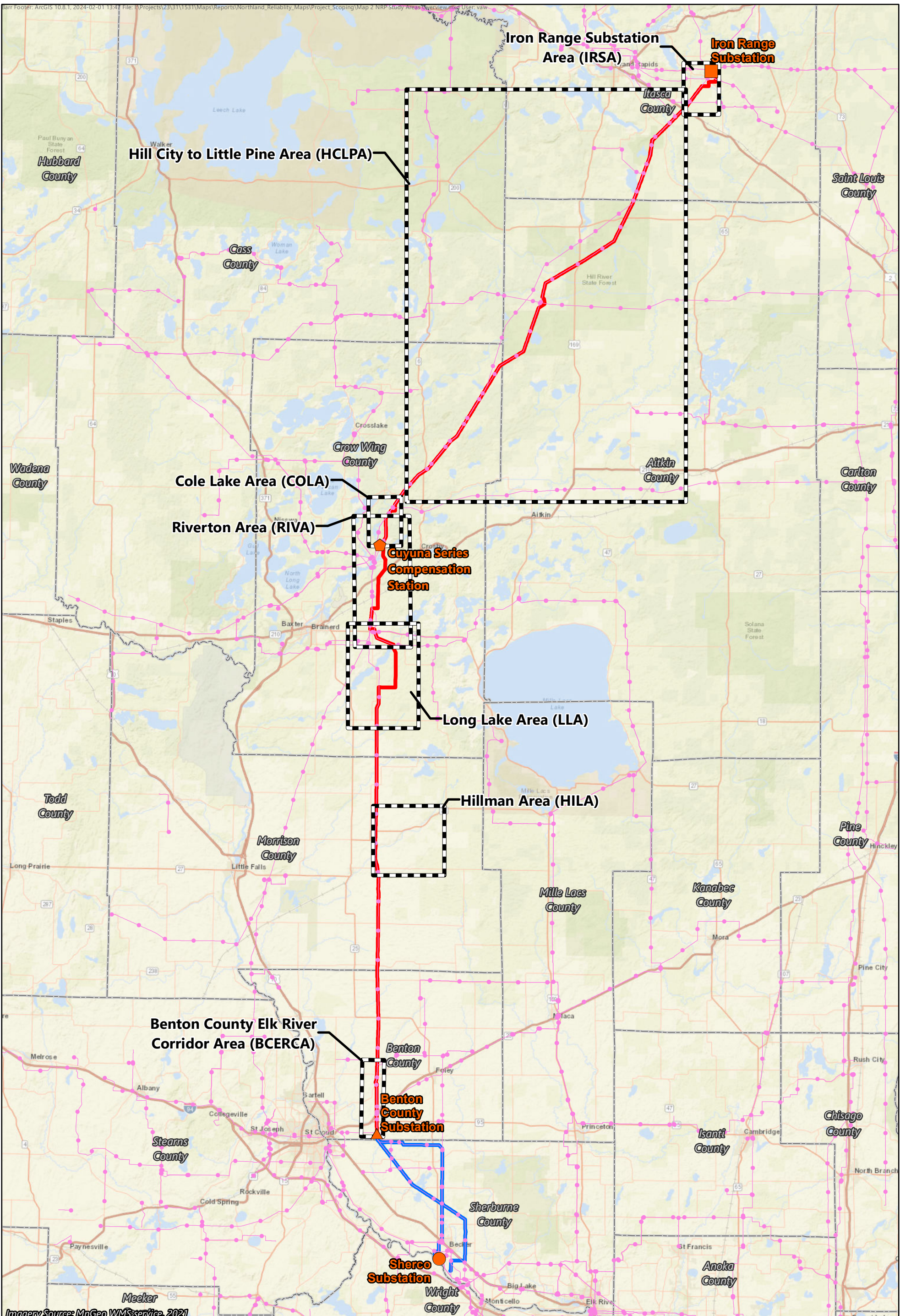










-  Proposed Route Segment 1
-  Proposed Route Segment 2
-  Existing Transmission Line
-  Benton County Substation
-  Iron Range Substation
-  Sherco Substation
-  Cuyuna Series Compensation Station

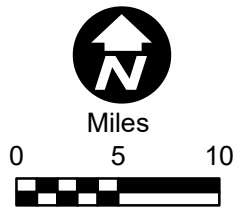


Map 1
APPLICANT'S PROPOSED PROJECT
Scoping Alternatives
Northland Reliability Project

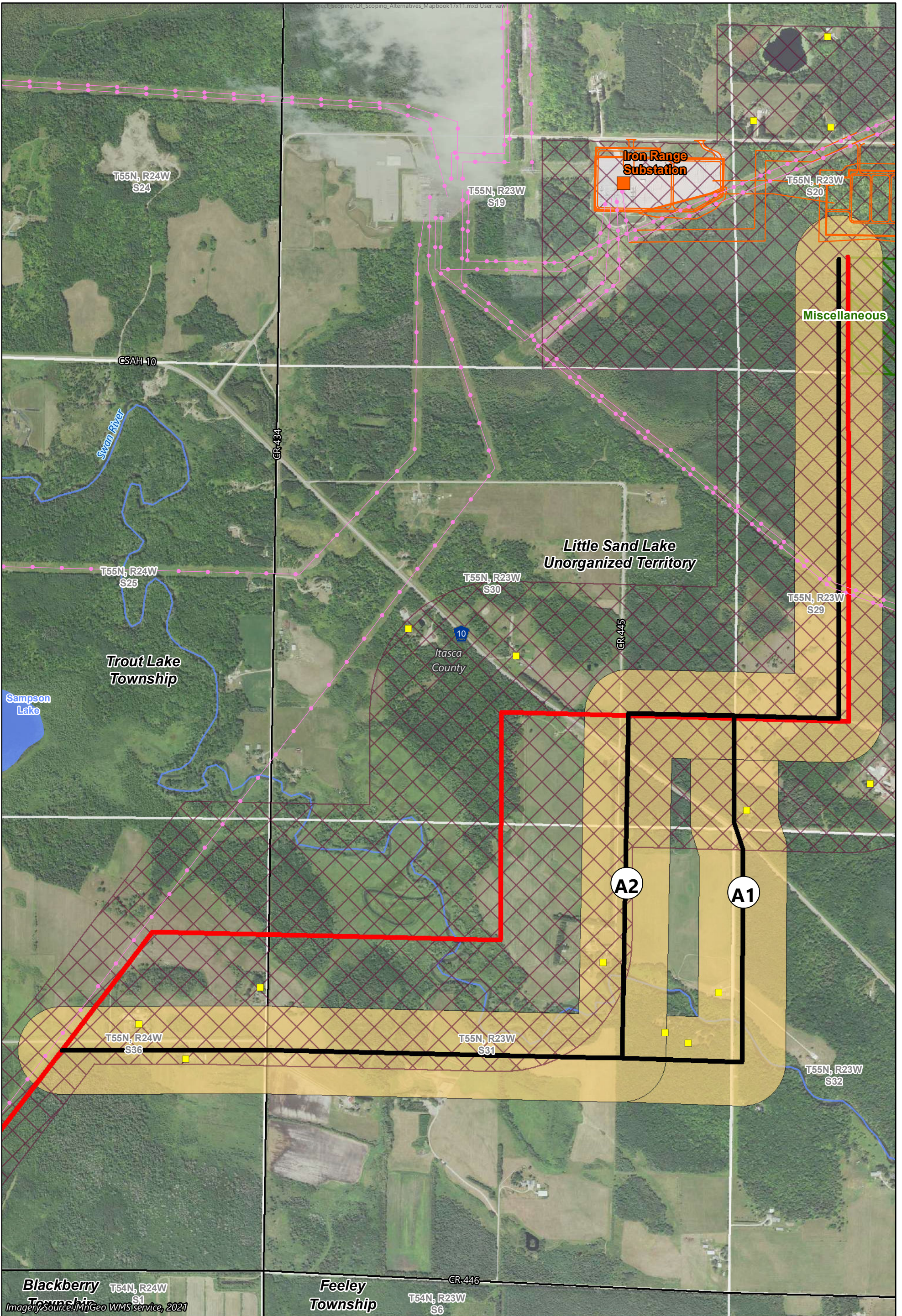










Imagery Source: MnGeo WMS service, 2021







-  Proposed Route Segment 1
-  Proposed Route Segment 2
-  Study Area
-  Existing Transmission Line
-  Benton County Substation
-  Iron Range Substation
-  Sherco Substation
-  Cuyuna Series Compensation Station

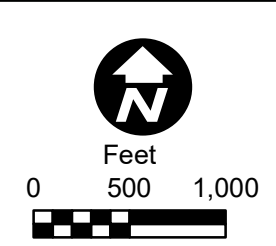


Map 2
STUDY AREAS OVERVIEW
 Scoping Alternatives
 Northland Reliability Project



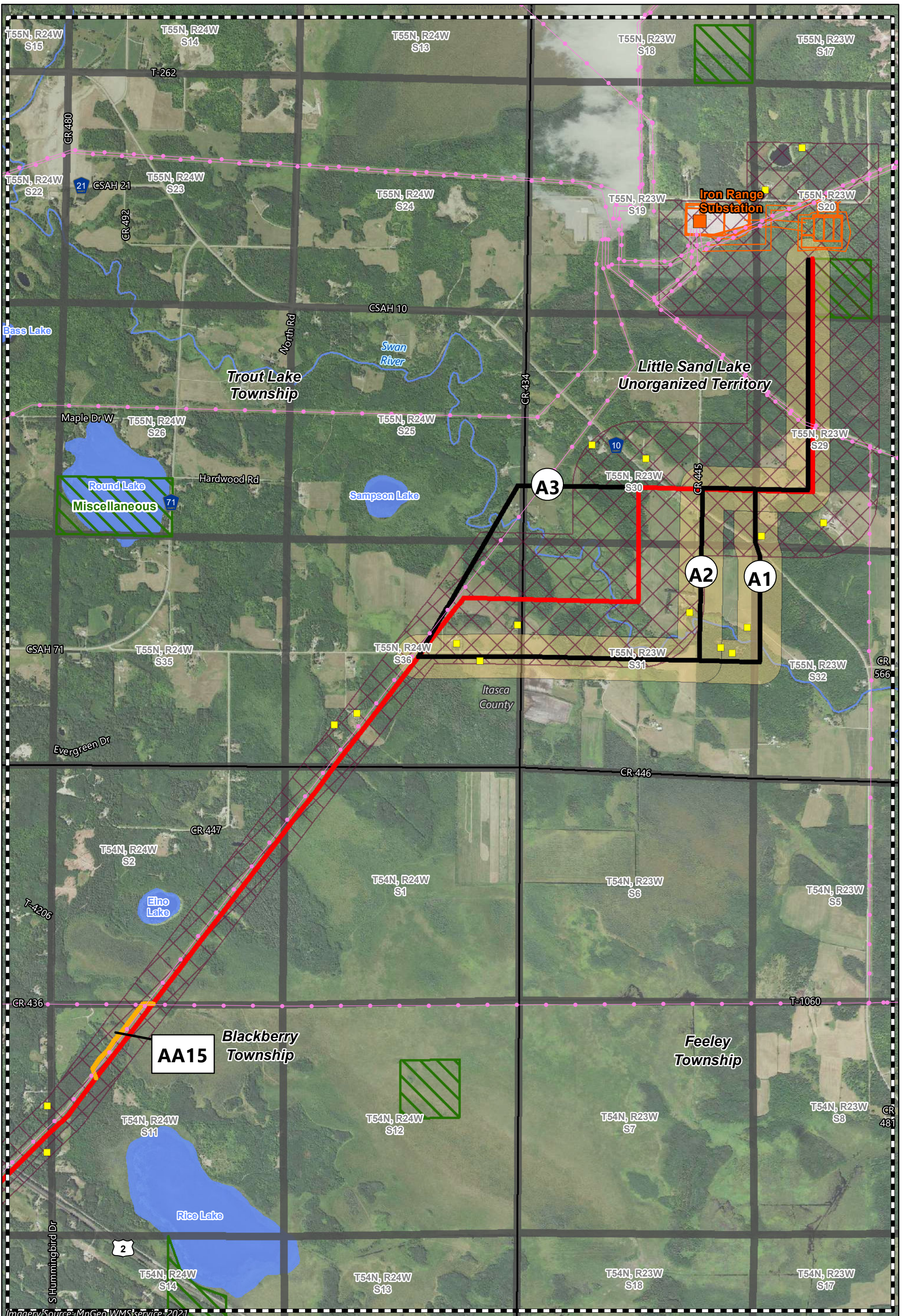
-  Proposed Alignment
-  Existing Transmission Line
-  Other DNR Land
-  Proposed Route
-  Iron Range Substation
-  Residence Location
-  Route Alternative
-  PWI Waterway
- PWI Basin
- Alignment Alternative
- Route Alternative Width

-  Existing Transmission Line
-  Other DNR Land
-  Iron Range Substation
-  Residence Location
-  PWI Waterway
-  PWI Basin



Map 3

ROUTE ALTERNATIVES A1 AND A2
 Iron Range Substation Area (IRSA)
 Scoping Alternatives
 Northland Reliability Project



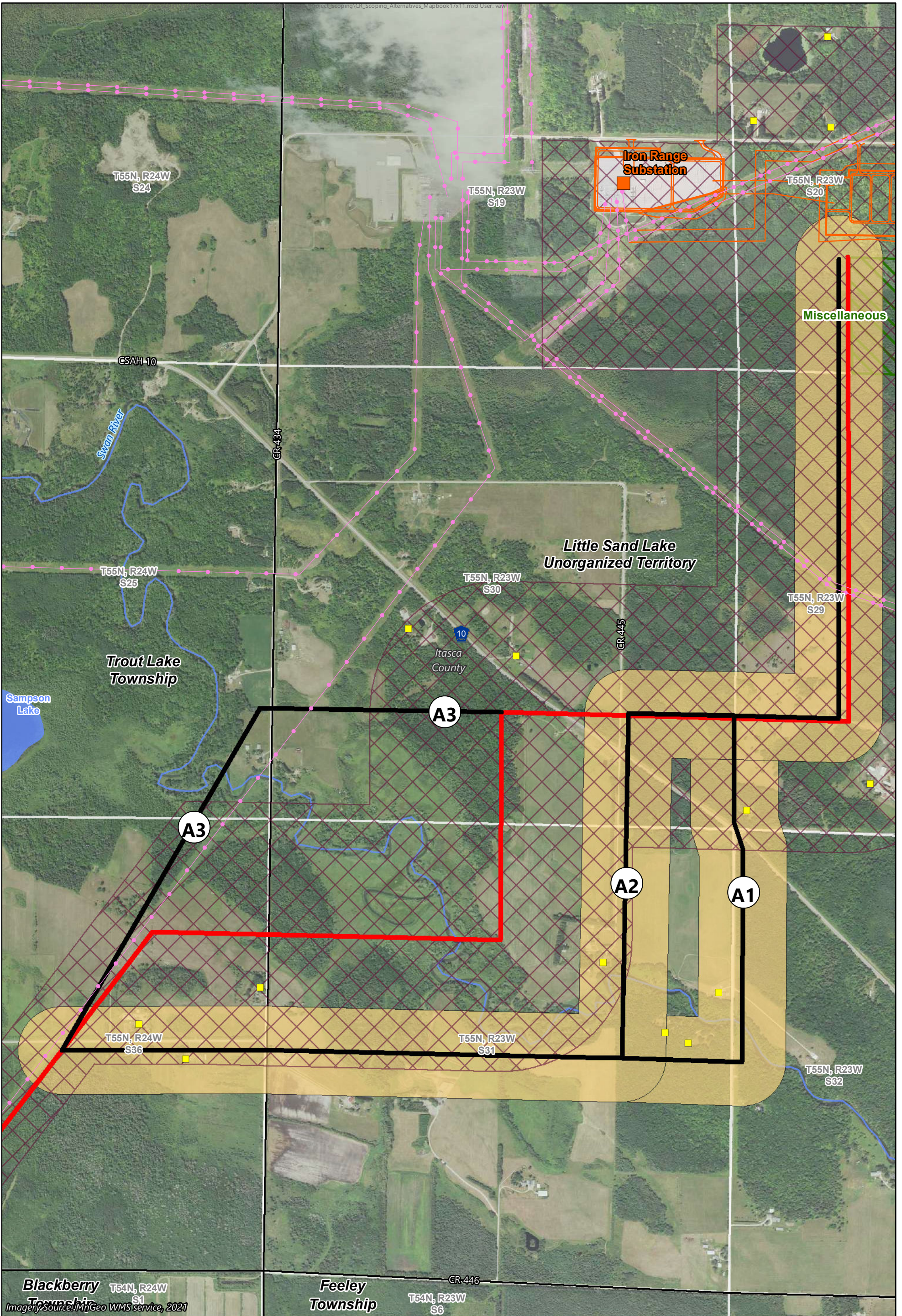
	Proposed Alignment		Study Area		PWI Basin
	Proposed Route		Existing Transmission Line		Other DNR Land
	Route Alternative		Iron Range Substation		Residence Location
	Alignment Alternative		PWI Waterway		
	Route Alternative Width				

Map 3-1

IRON RANGE SUBSTATION AREA (IRSA)
Scoping Alternatives
Northland Reliability Project

Feet
0 1,000 2,000

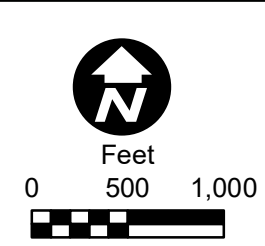
Imagery Source: MnGeo WMS service, 2021



- Proposed Alignment
- Existing Transmission Line
- Proposed Route
- Iron Range Substation
- Residence Location
- Route Alternative
- PWI Waterway
- Alignment Alternative
- PWI Basin
- Route Alternative Width

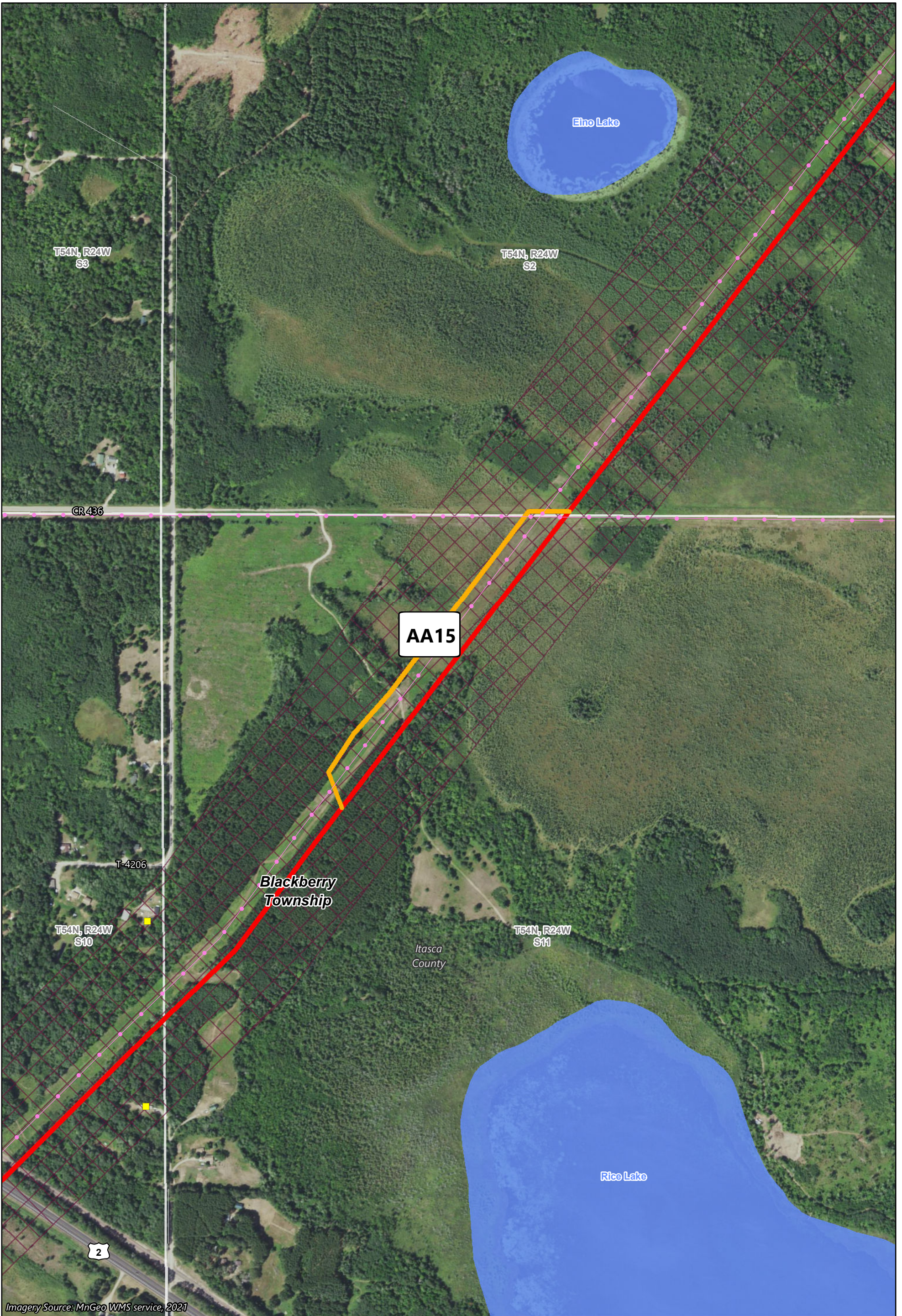
- Other DNR Land

- North











Map 3-2

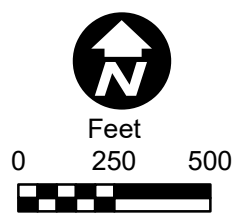
ROUTE ALTERNATIVES A1 AND A2
Iron Range Substation Area (IRSA)
Scoping Alternatives
Northland Reliability Project



Imagery Source: MnGeo WMS service, 2021

-  Proposed Alignment
-  Existing Transmission Line
-  Route Alternative
-  Residence Location
-  Route Alternative Width

-  Existing Transmission Line
-  Residence Location
-  PWI Basin



Map 3-3
ALIGNMENT ALTERNATIVE AA15
 Scoping Alternatives
 Northland Reliability Project