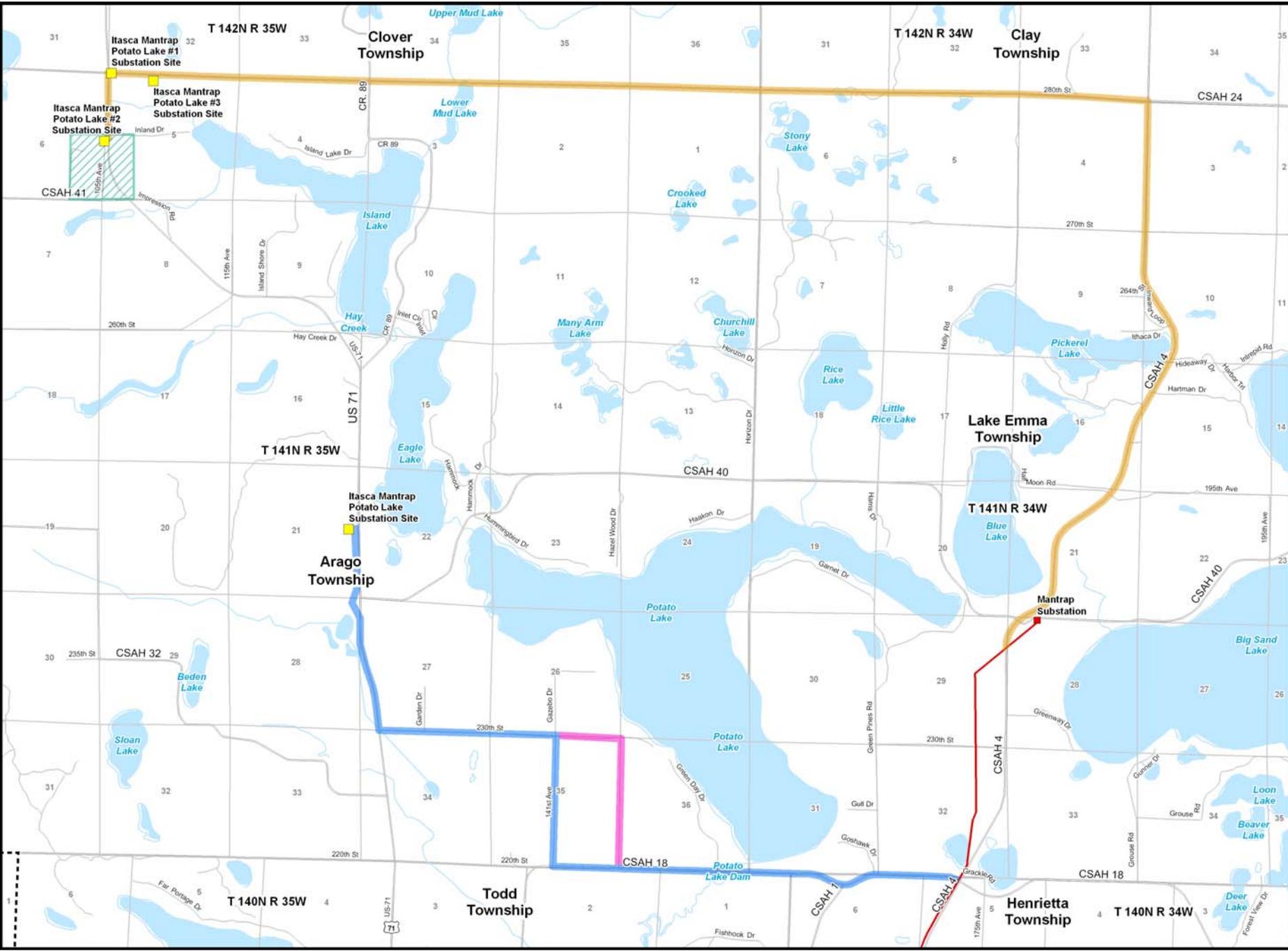


FIGURES



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Property For Sale
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
 - Route B
 - Route C
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - Lakes and Rivers
 - PLS Section Lines

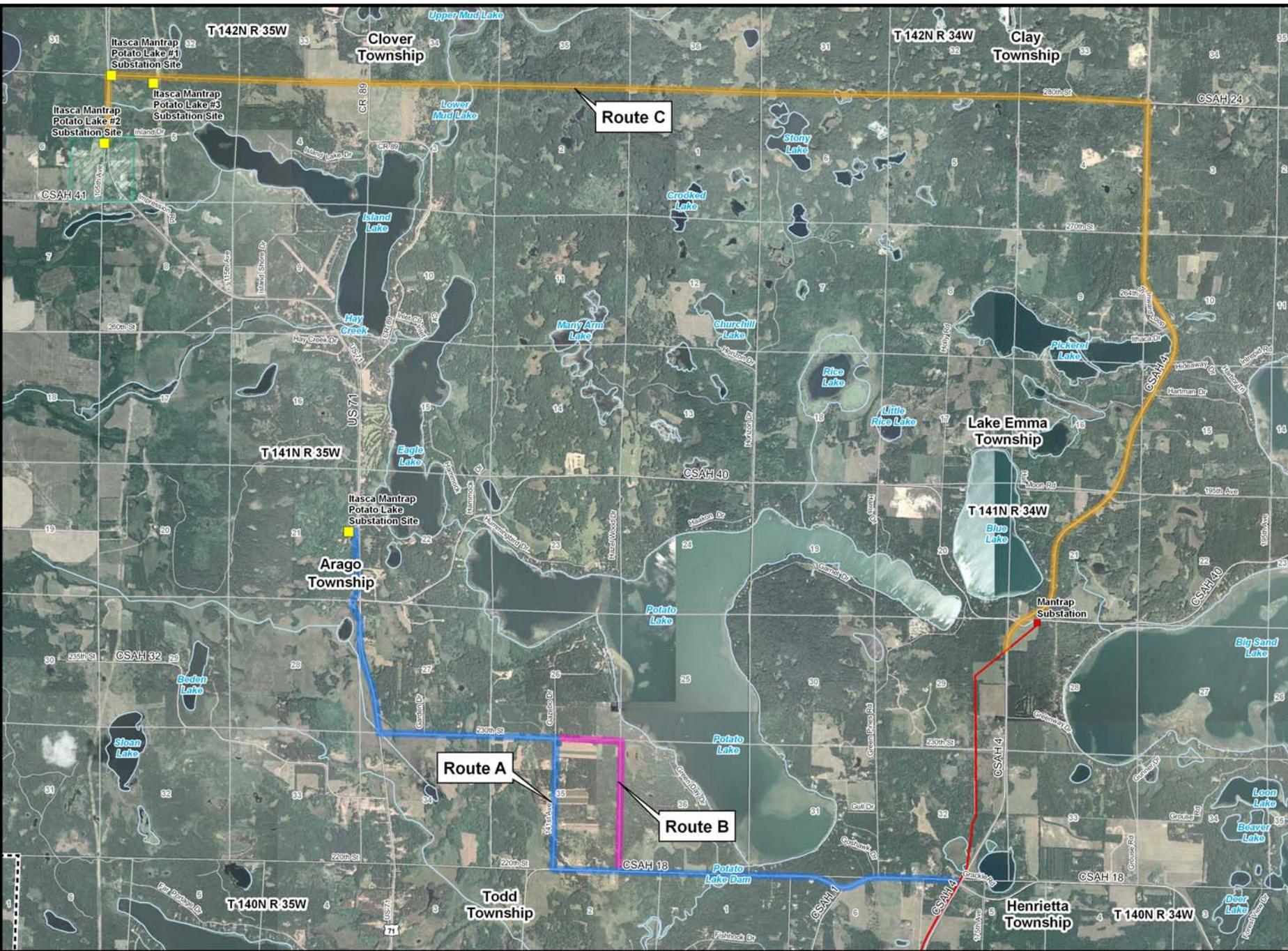
Updated: 8/27/2010

 Data Sources Vary Between
 MNDOT, MNDNR, MNGEO
 and Great River Energy

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 1
Proposed
Project**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - ▨ Property For Sale
- Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
 - Route B
 - Route C
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines

N

Updated: 8/27/2010

0 2,000 4,000 Feet

Data Sources Vary Between MNDOT, MNDNR, MNGEO and Great River Energy 2009 Color Orthophotos from Farm Services Administration (FSA)

Map Projection: UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 2
Depiction of
Routes**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Property For Sale
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
 - Route B
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines

N

Updated: 8/27/2010

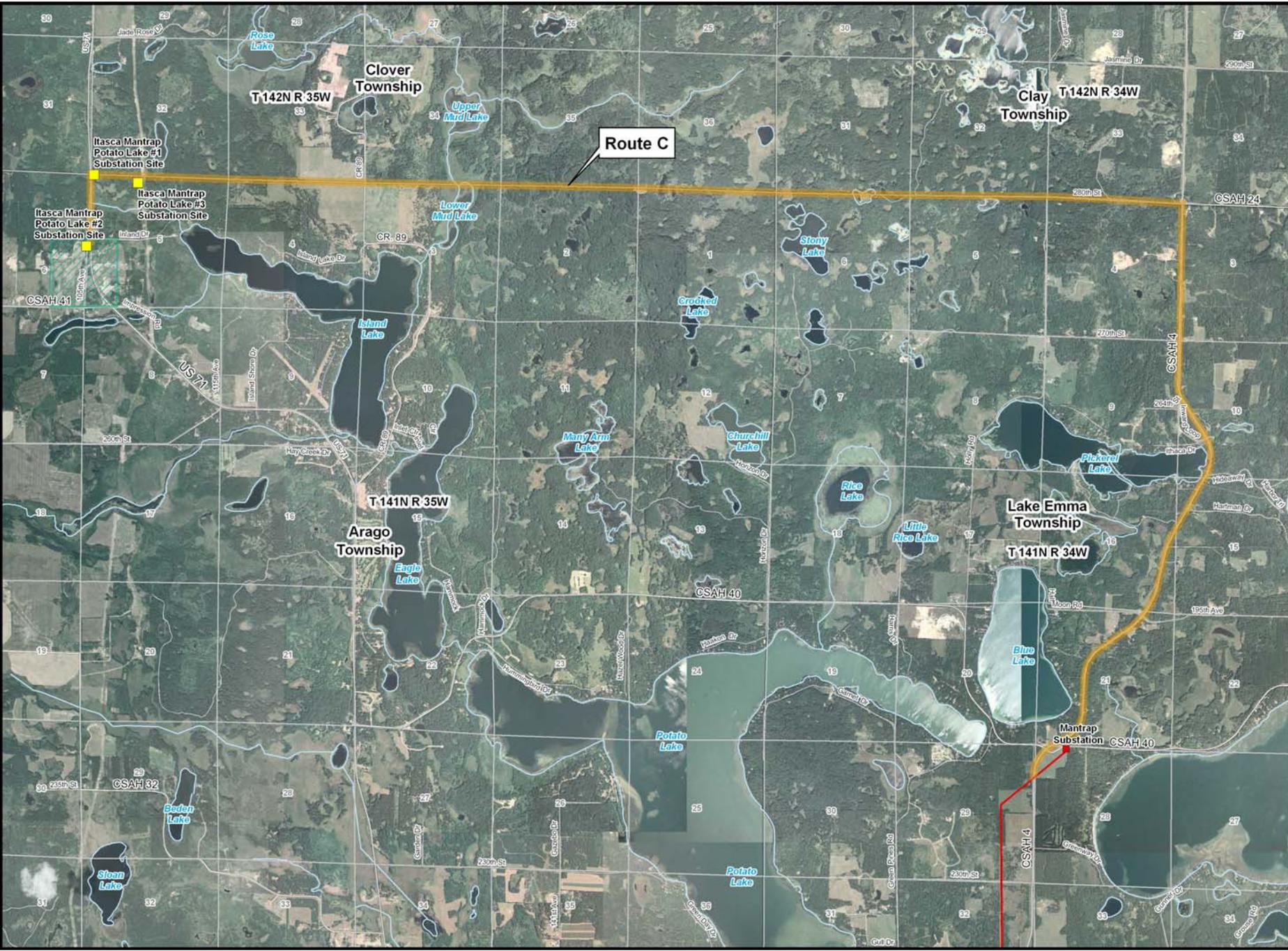
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Data Sources Vary Between MNDOT, MNDNR, MNGEO and Great River Energy
2009 Color Orthophotos from Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 3
Route
A & B**



- Proposed Itasca-Mantrap (IM)
- Distribution Substation
- ▨ Property For Sale
- ▨ Existing Itasca-Mantrap
- Distribution Substation
- Proposed Great River Energy (GRE)
- Route C
- Existing Great River Energy
- 34.5 kV Transmission Line
- Land Base Features
- Road Centerline
- ▭ PLS Section Lines

N

Updated: 8/27/2010

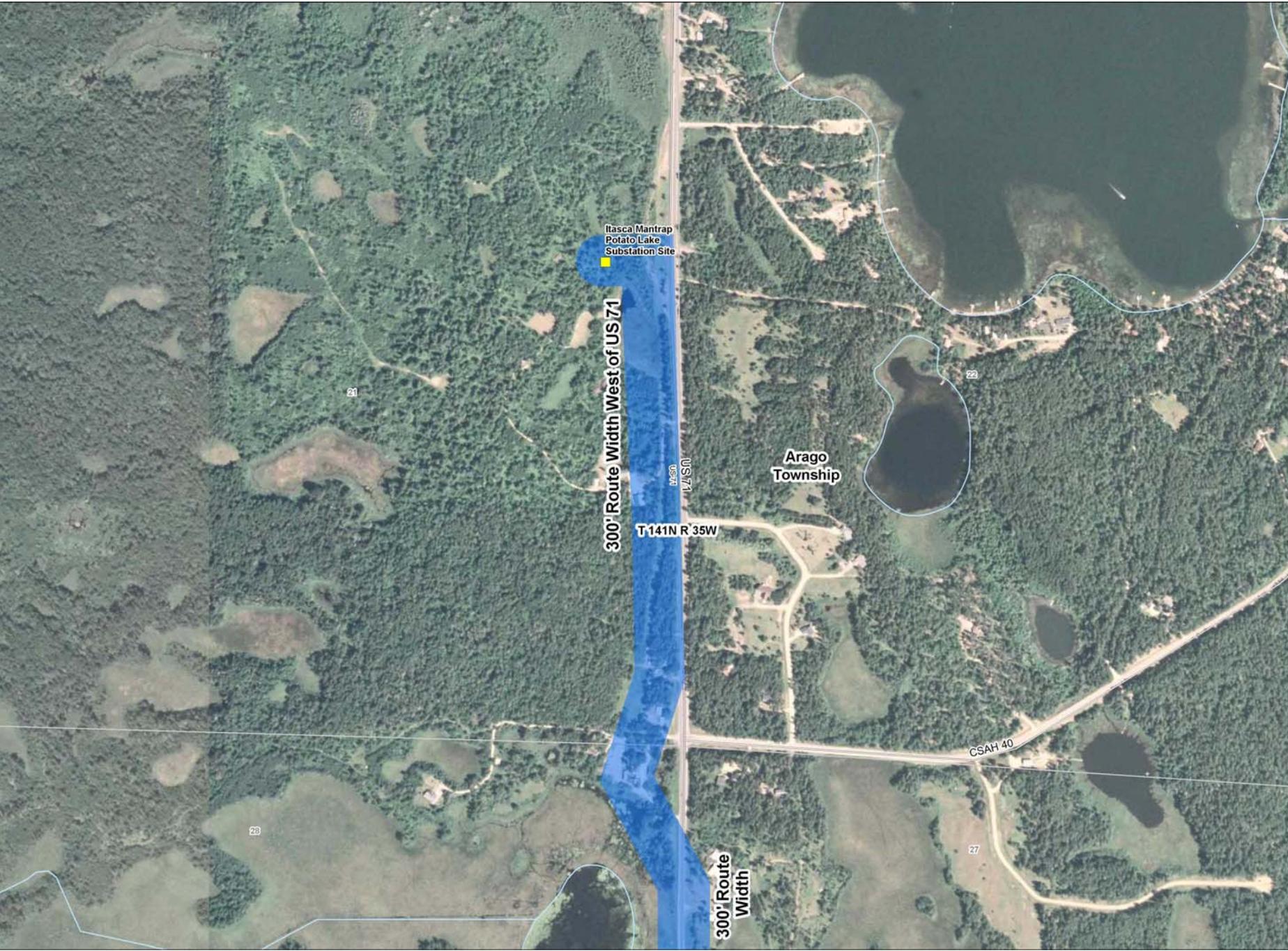
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Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4
Route C**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010



Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4A-1
Route A
Map 01**

- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Existing Itasca-Mantrap
 - Distribution Substation
 - Proposed Great River Energy (GRE)
 - Route A
 - Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010

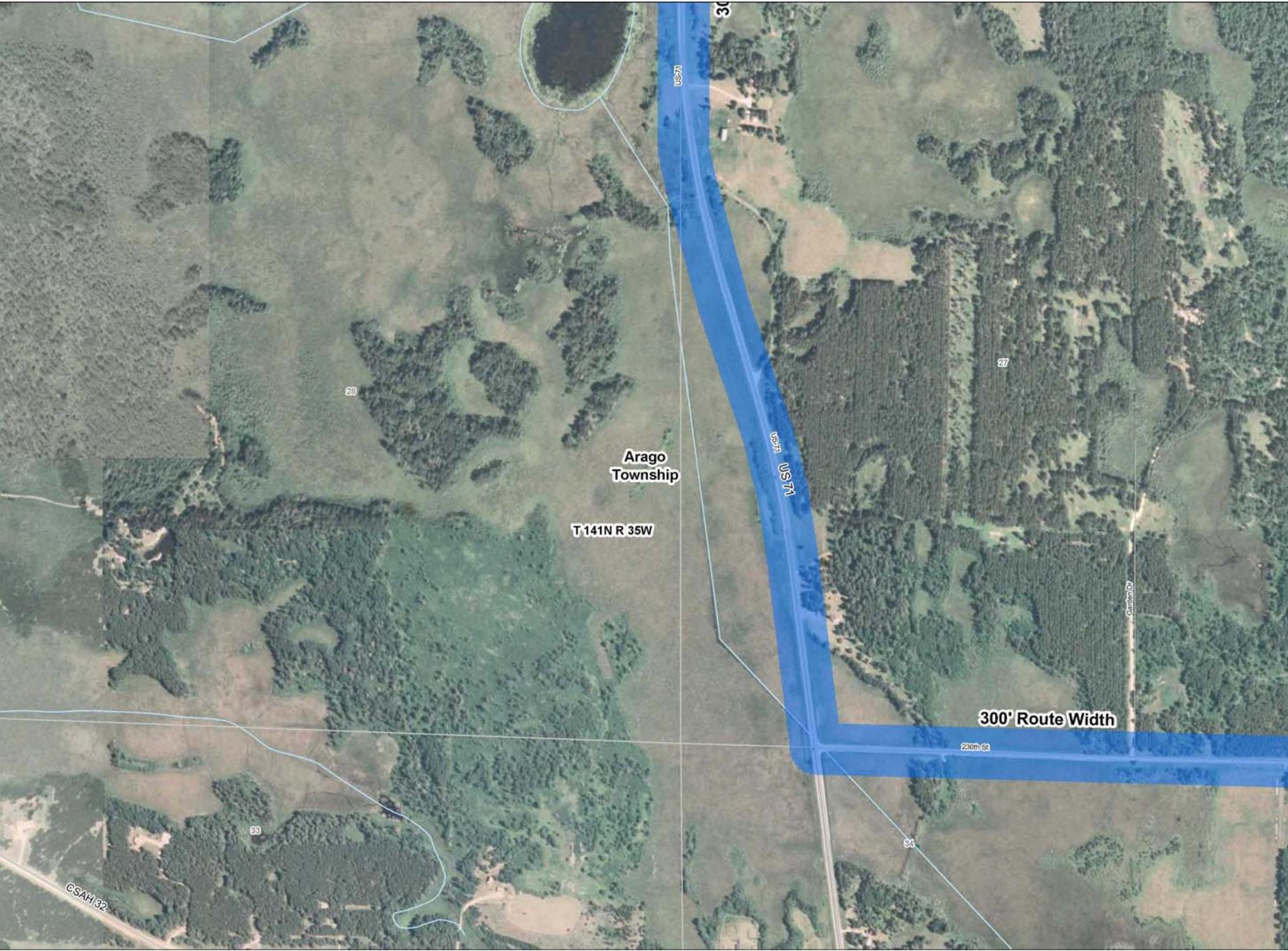


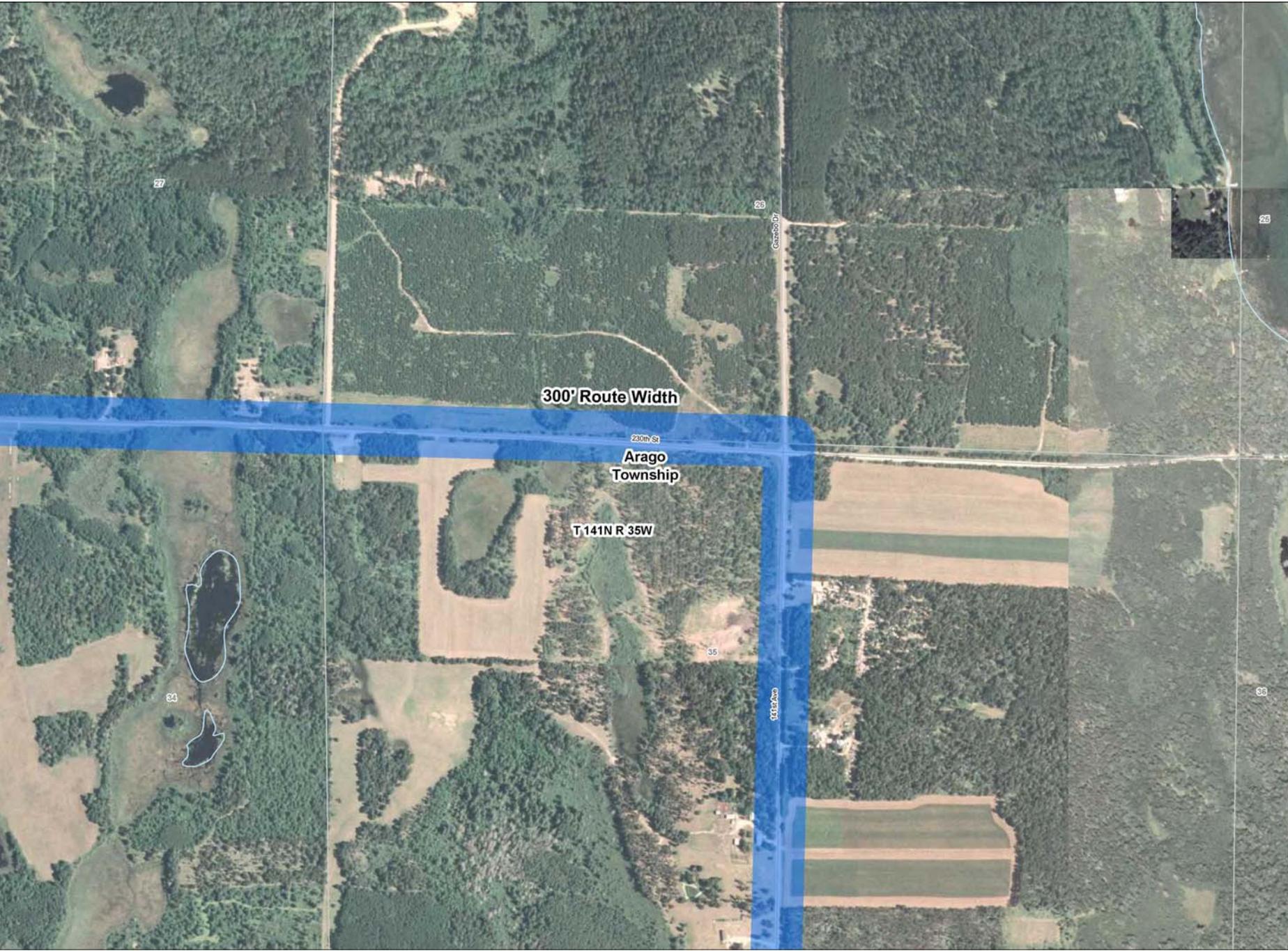
Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4A-2
Route A
Map 02**





- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010



Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4A-3
Route A
Map 03**



- Proposed Itasca-Mantrap (IM)
- Distribution Substation
- Existing Itasca-Mantrap
- Distribution Substation
- Proposed Great River Energy (GRE)
- Route A
- Existing Great River Energy
- 34.5 kV Transmission Line
- Land Base Features
- Road Centerline
- PLS Section Lines

300' Route Width



Updated: 8/26/2010

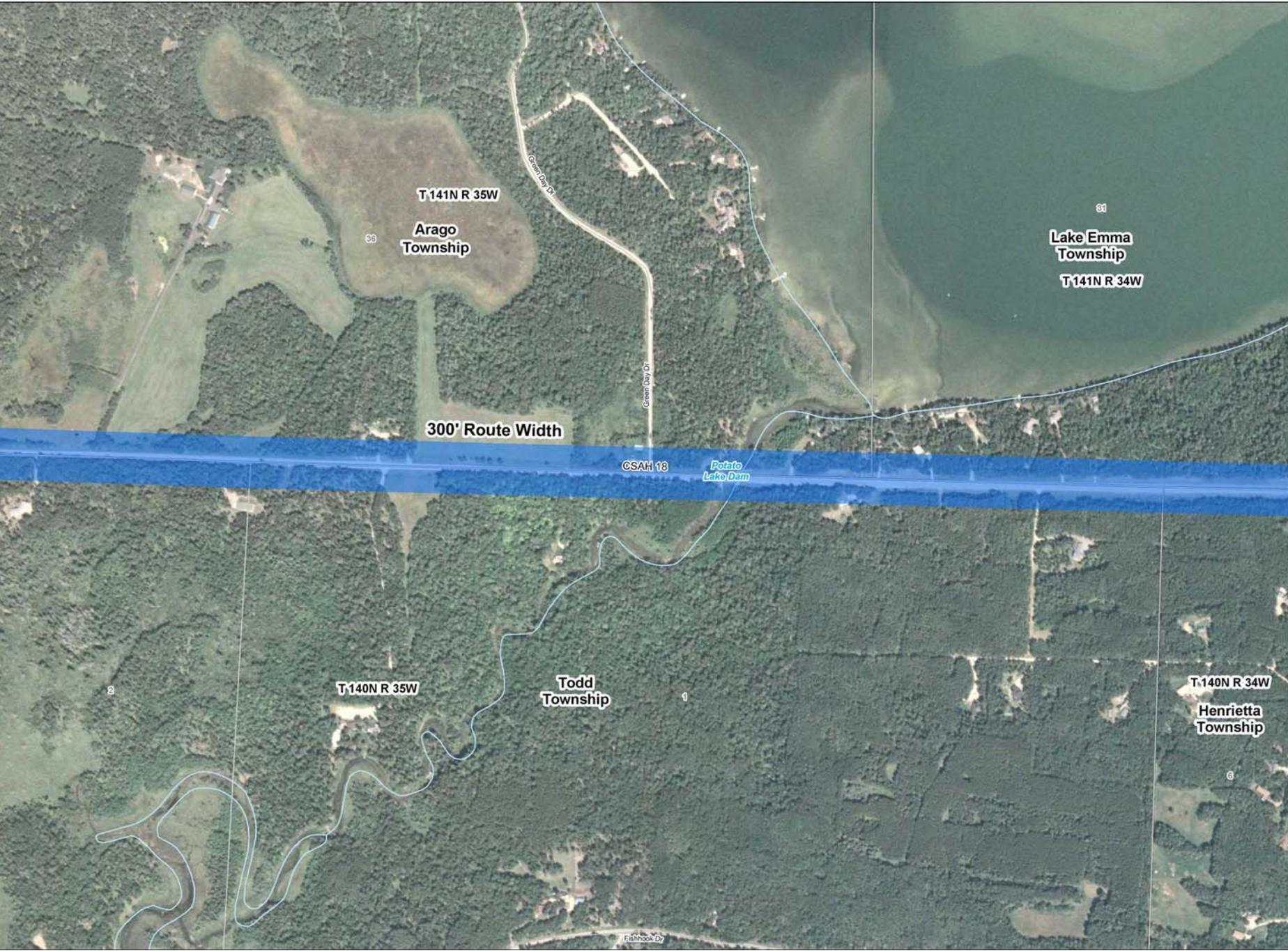


Data Sources Vary Between
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and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4A-4
Route A
Map 04**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
 - Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010

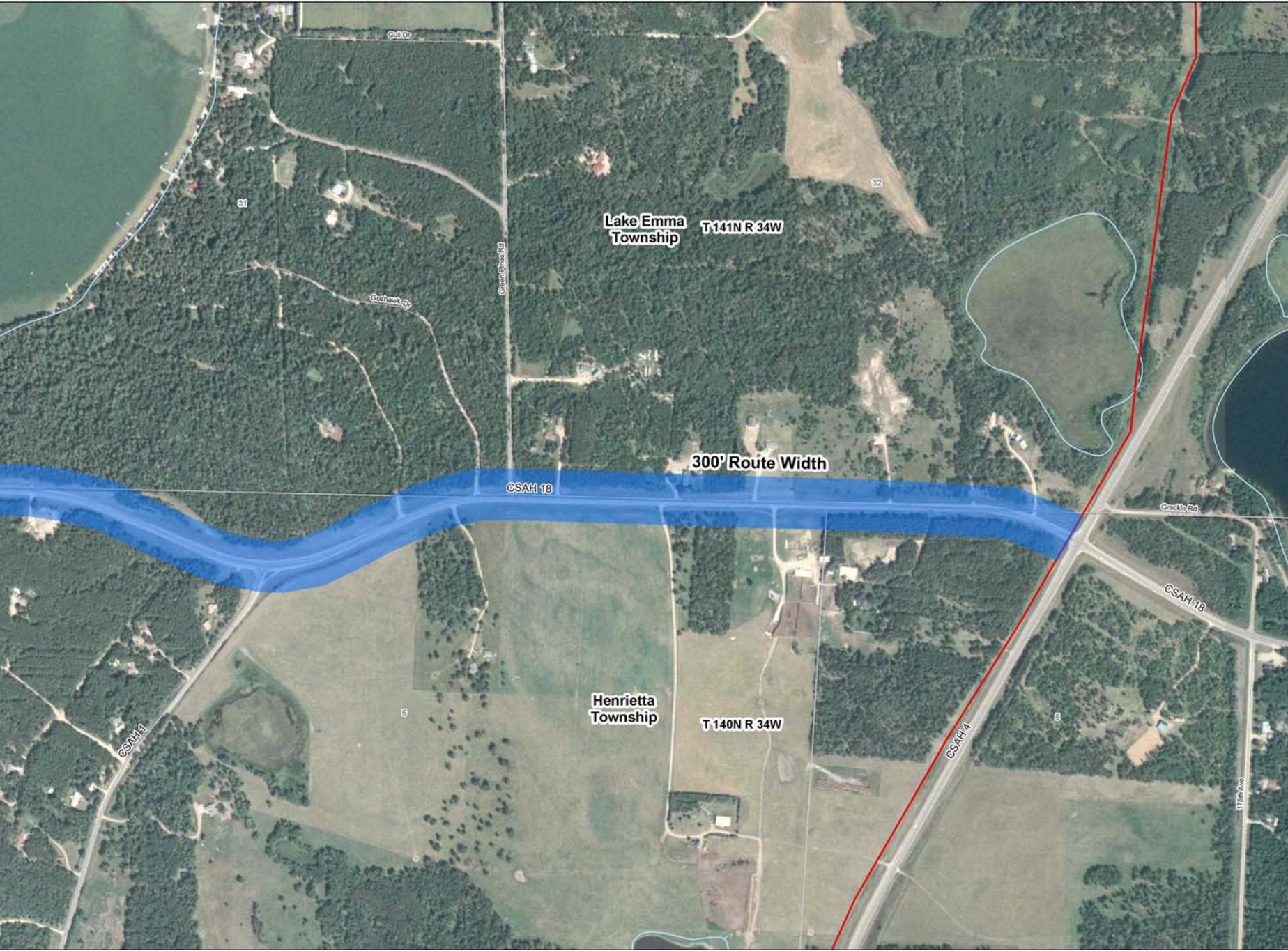


Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4A-5
Route A
Map 05**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
 - Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010

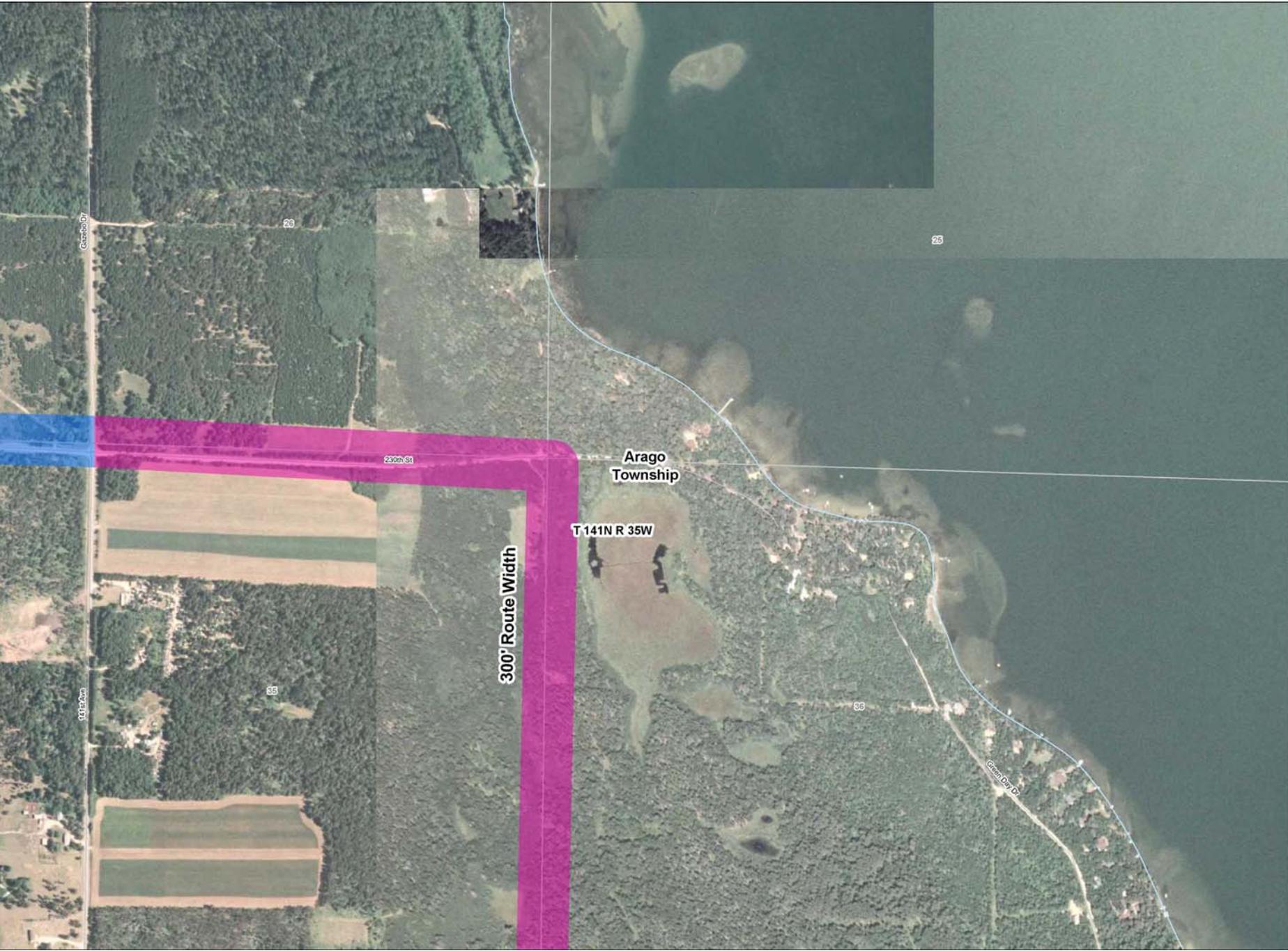


Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4A-6
Route A
Map 06**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
- Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
 - Route B
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines

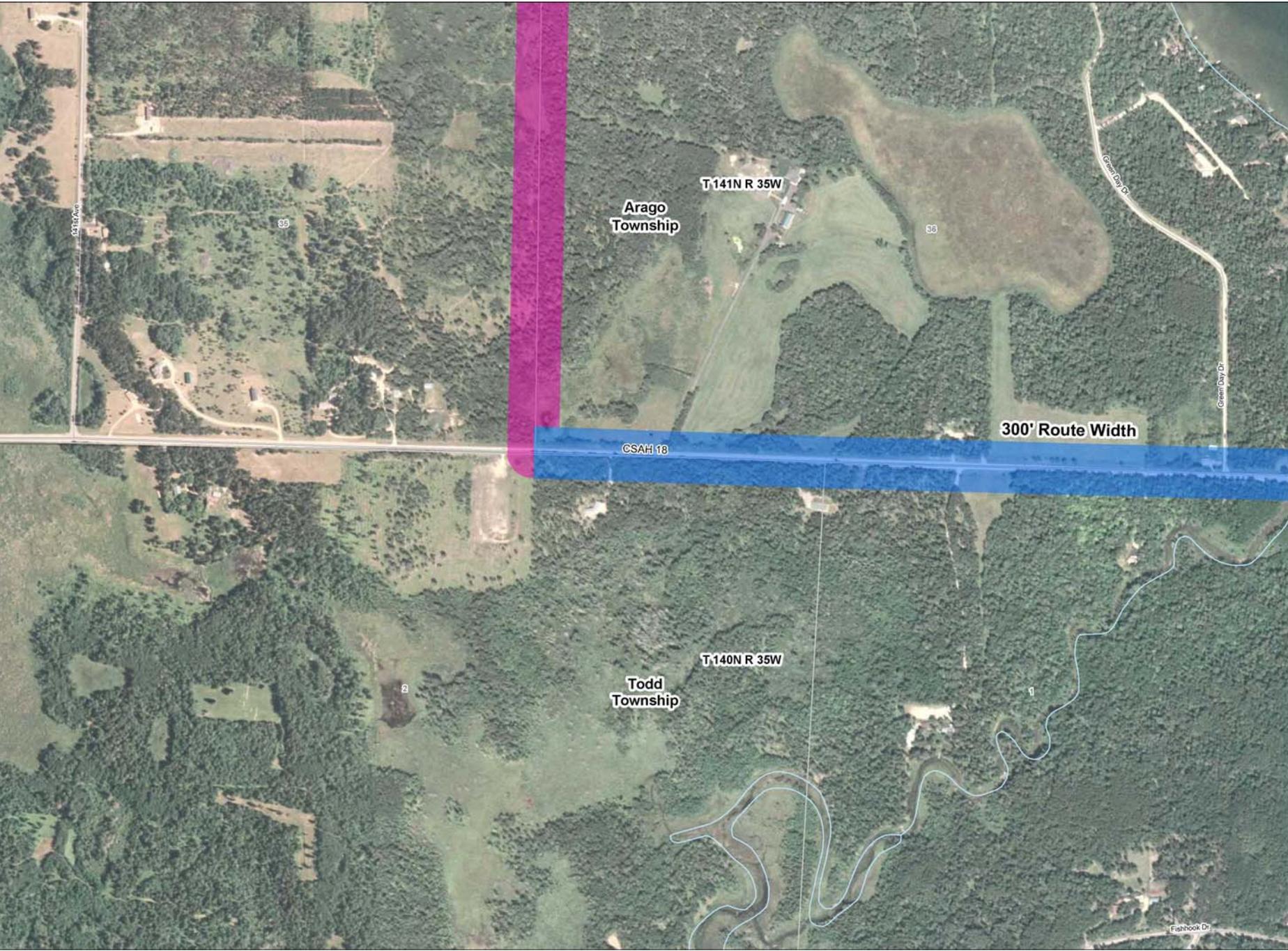


Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4B-1
Route B
Map 01**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
- Existing Itasca-Mantrap
- Proposed Great River Energy (GRE)
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
 - Route B
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines

300' Route Width

CSAH 18

Arago Township

T.141N R.35W

Todd Township

T.140N R.35W

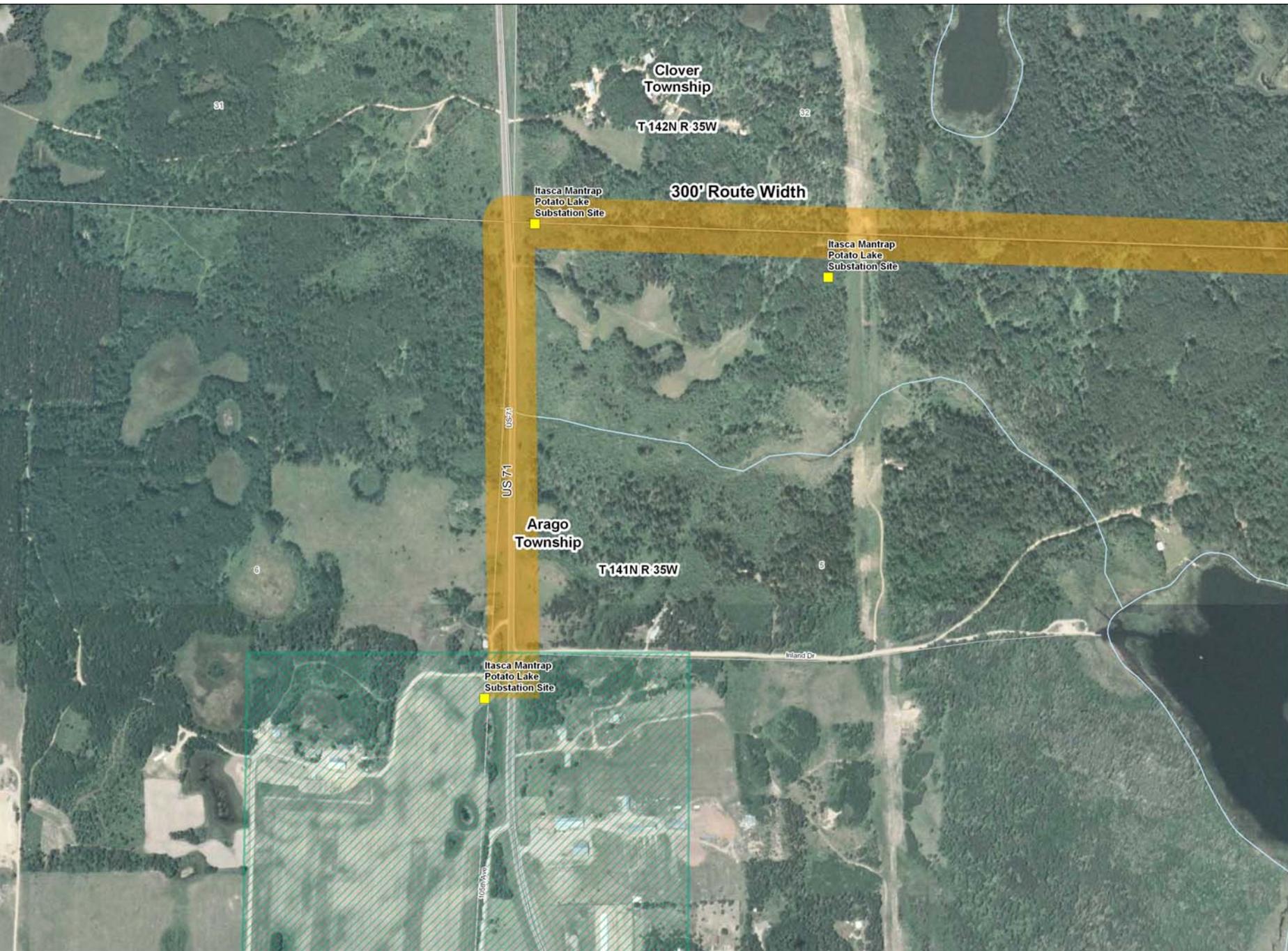


Updated: 8/26/2010
Data Sources Vary Between MNDOT, MNDNR, MNGEO and Great River Energy 2009 Color Orthophotos from Farm Services Administration (FSA)

Map Projection: UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4B-2
Route B
Map 02**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - ▨ Property For Sale
- Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route C
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/27/2010

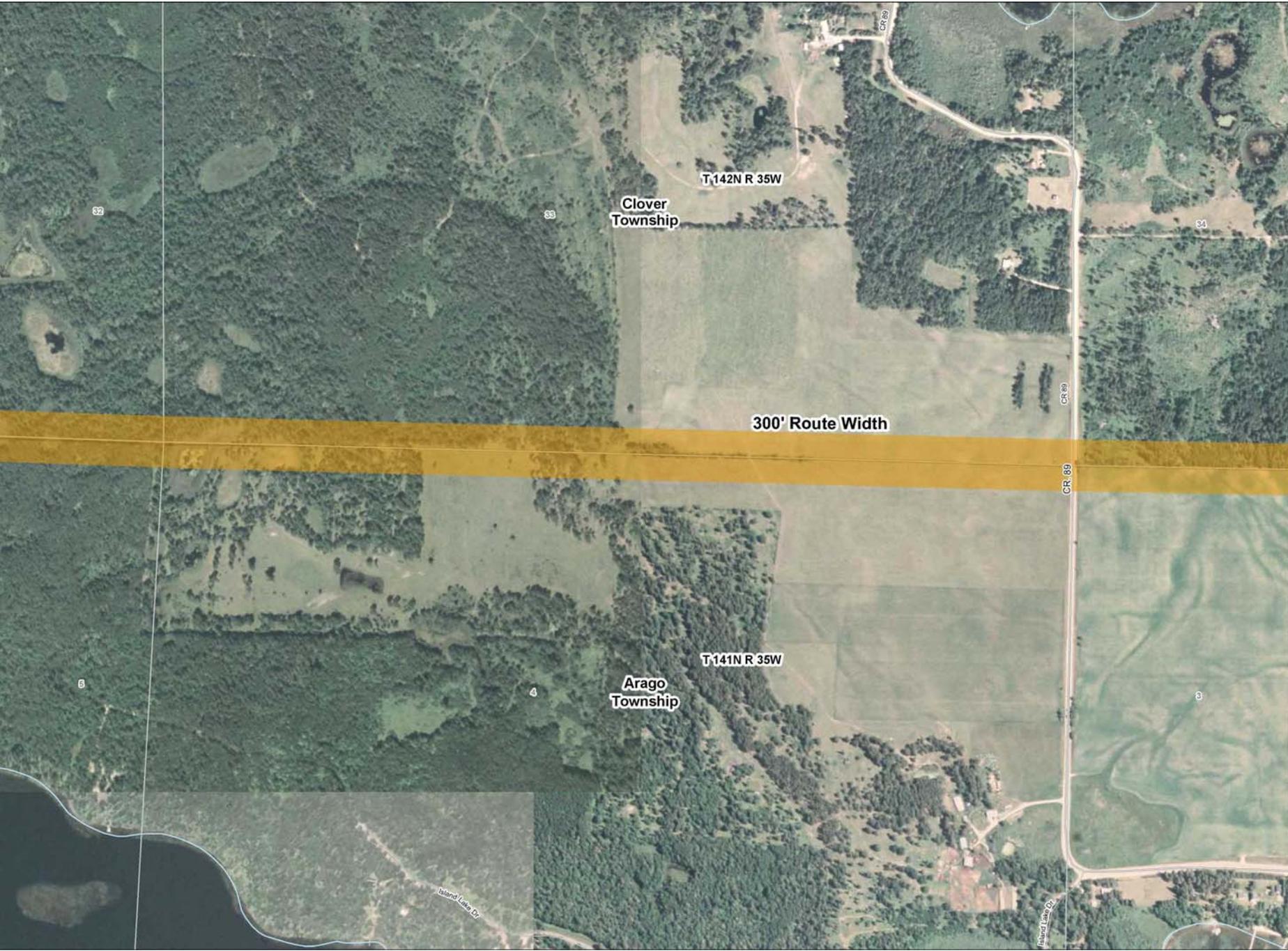


Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4C-1
Route C
Map 01**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route C
 - Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010



Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4C-2
Route C
Map 02**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route C
 - Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010



Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4C-3
Route C
Map 03**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route C
 - Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010

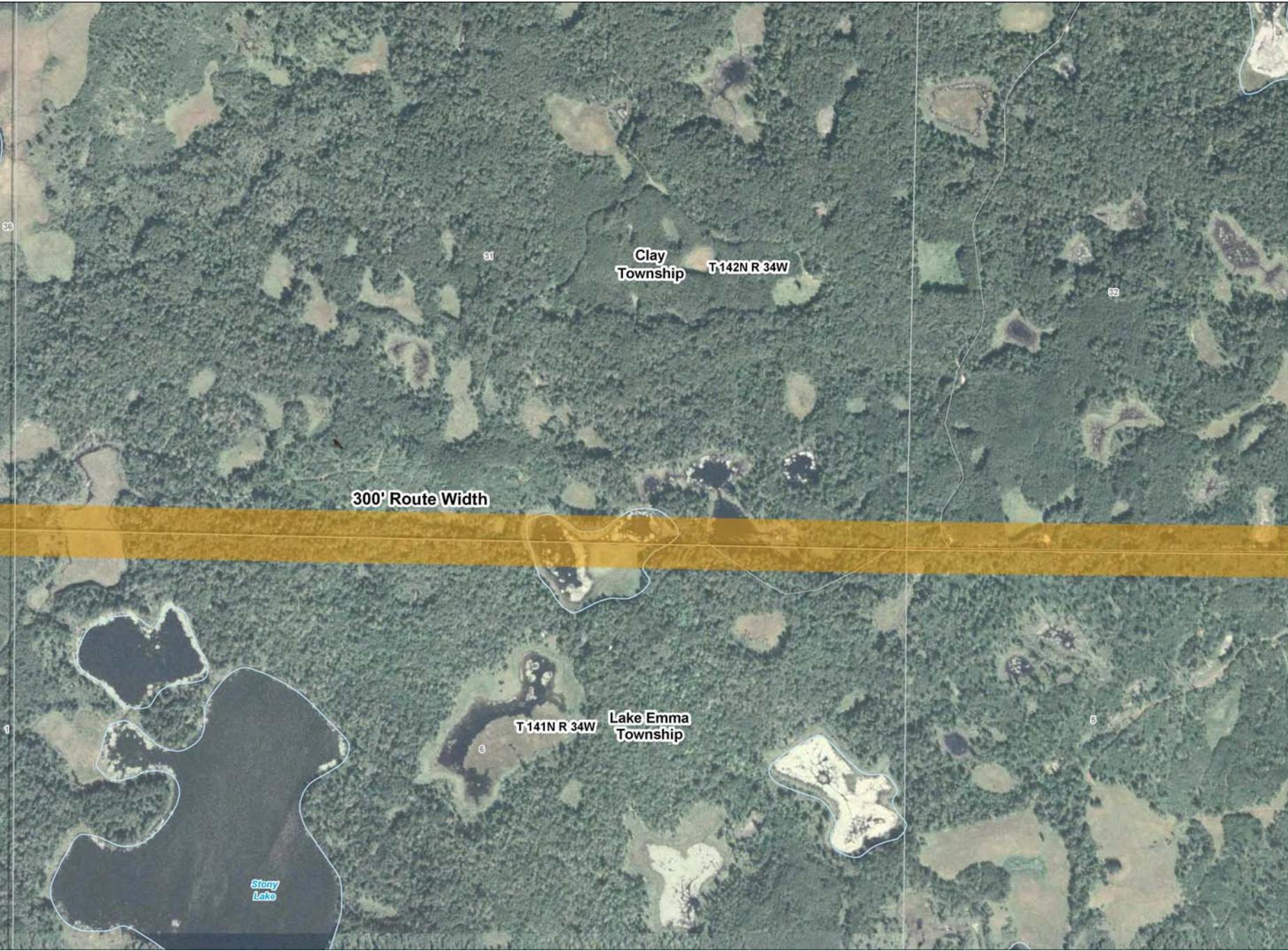


Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4C-4
Route C
Map 04**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
- Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route C
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010

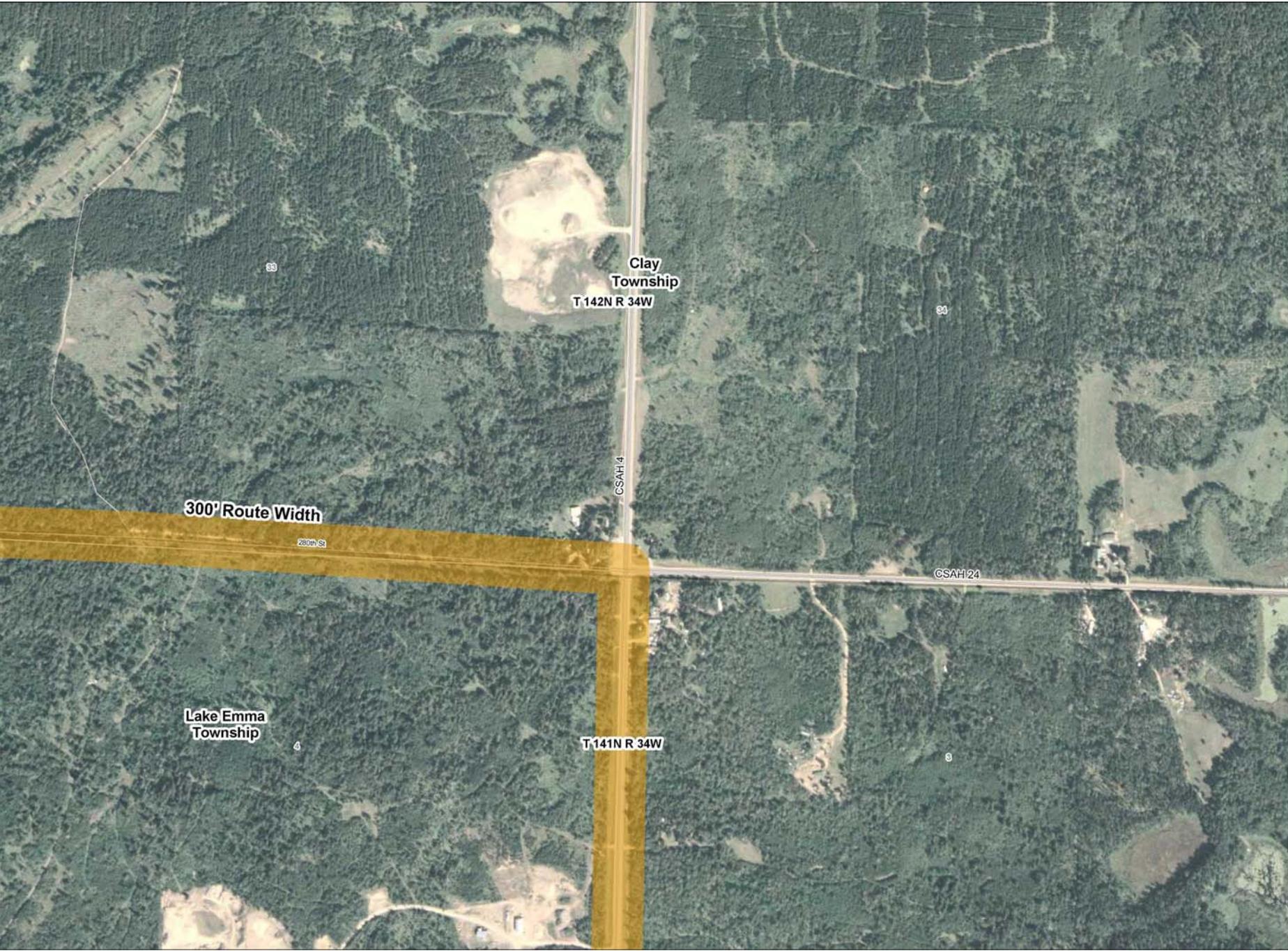


Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4C-5
Route C
Map 05**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
- Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route C
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010

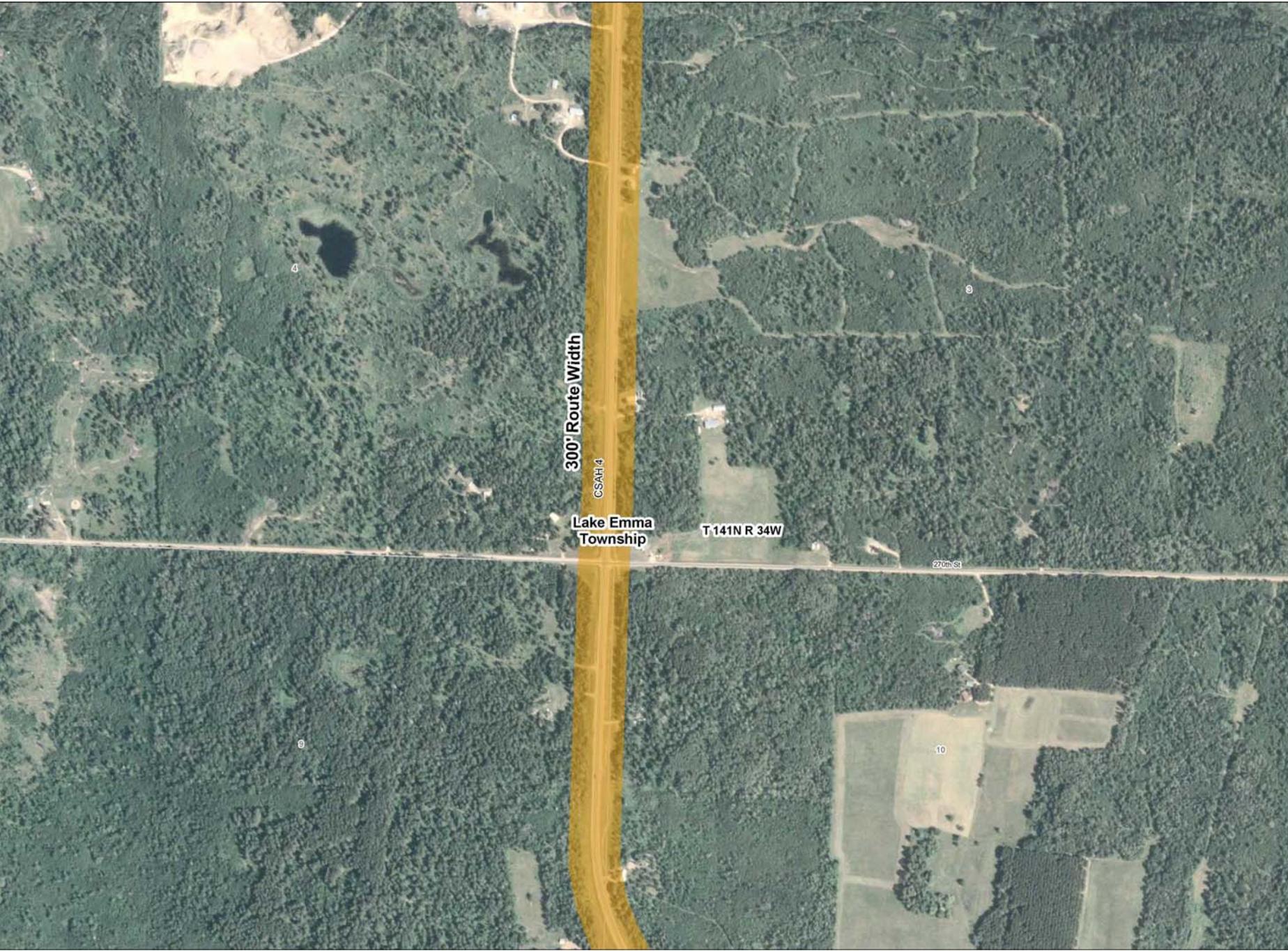


Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4C-7
Route C
Map 07**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route C
 - Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010

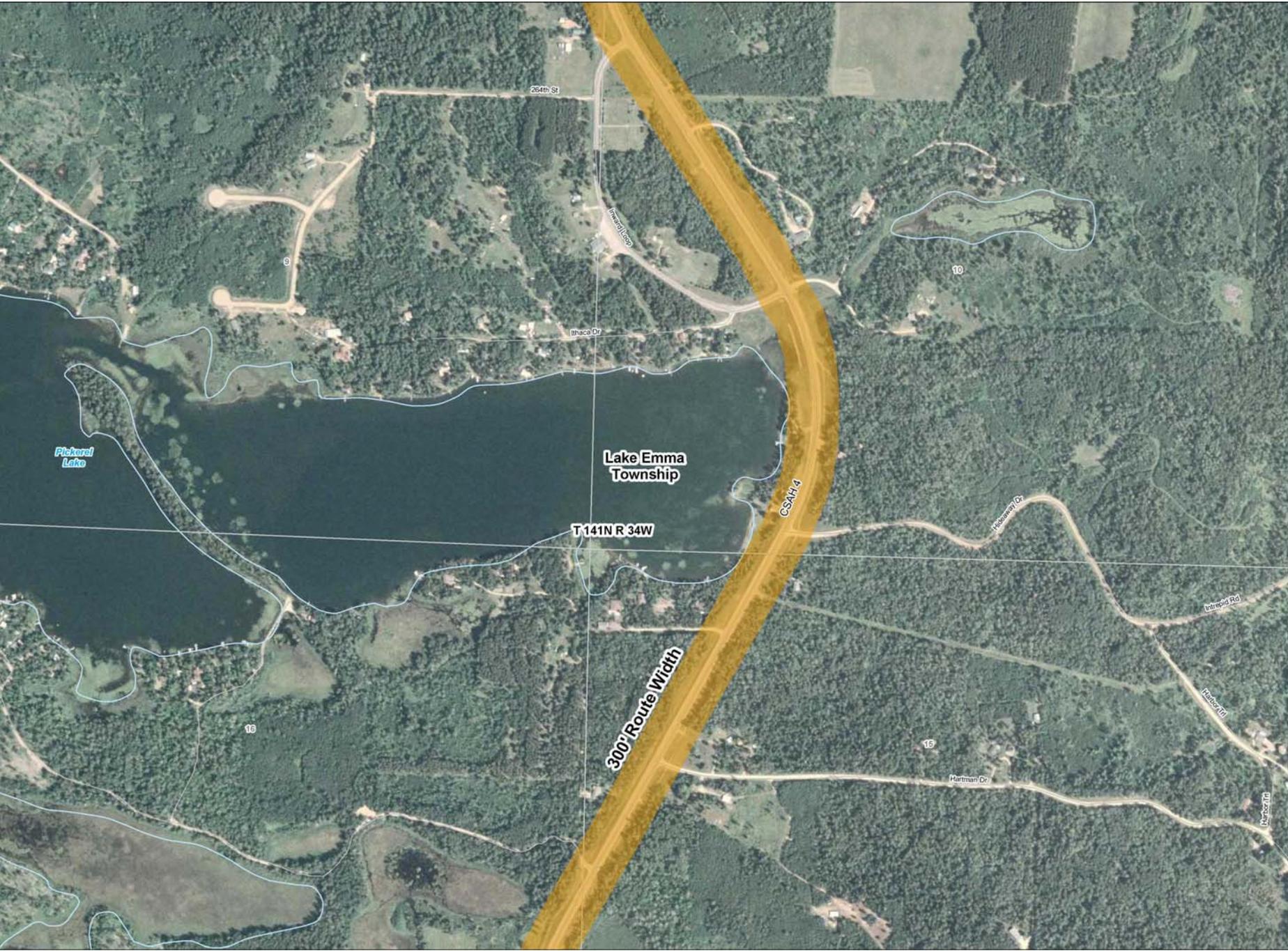


Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4C-8
Route C
Map 08**



- Proposed Itasca-Mantrap (IM)
- Distribution Substation
- Existing Itasca-Mantrap
- Distribution Substation
- Proposed Great River Energy (GRE)
- Route C
- Existing Great River Energy
- 34.5 kV Transmission Line
- Land Base Features
- Road Centerline
- PLS Section Lines



Updated: 8/26/2010

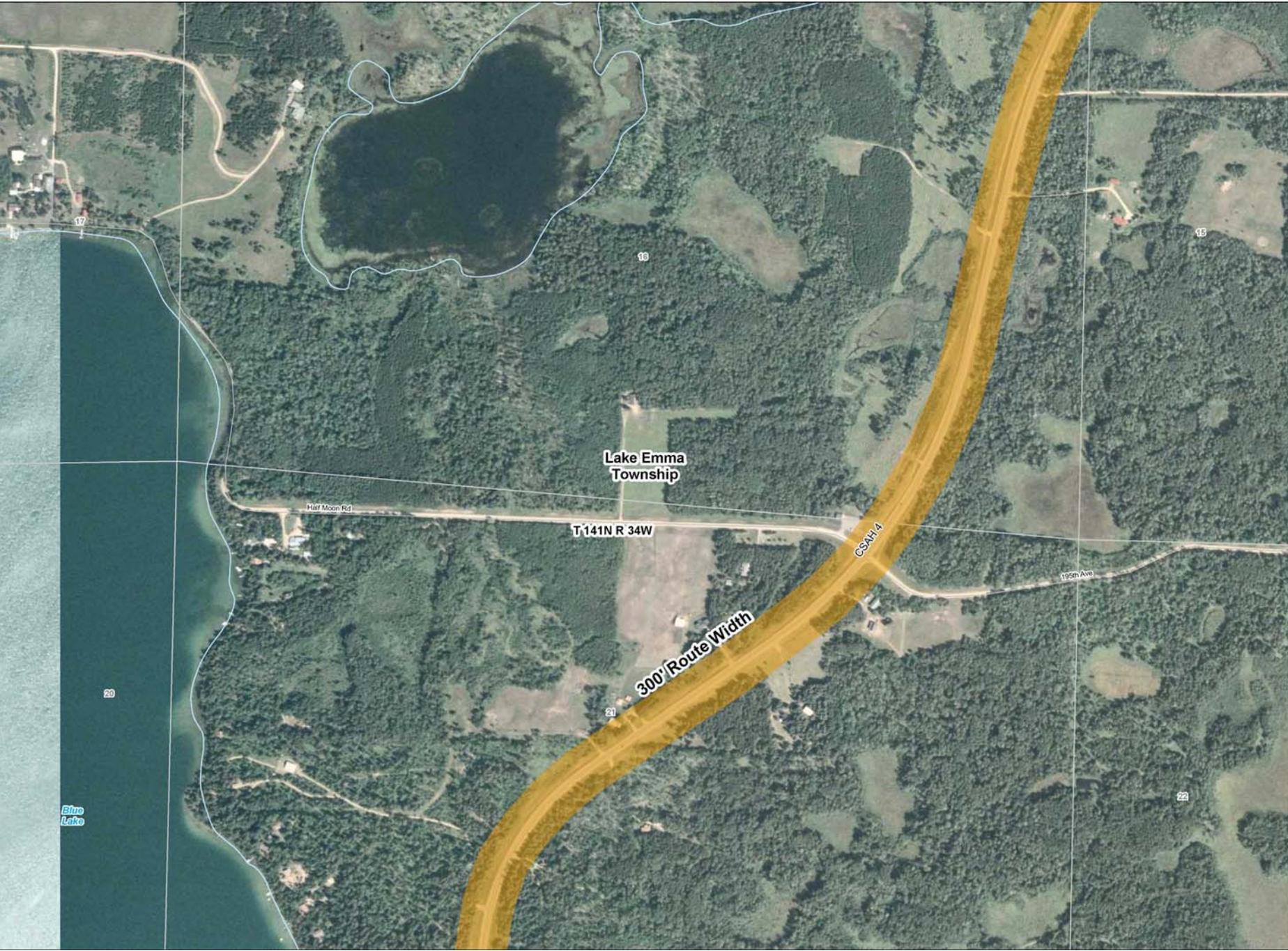


Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4C-9
Route C
Map 09**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
- Existing Itasca-Mantrap
- Distribution Substation
- Proposed Great River Energy (GRE)
 - Route C
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010



Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4C-10
Route C
Map 10**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Existing Itasca-Mantrap
 - Distribution Substation
 - Proposed Great River Energy (GRE)
 - Route C
 - Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines



Updated: 8/26/2010

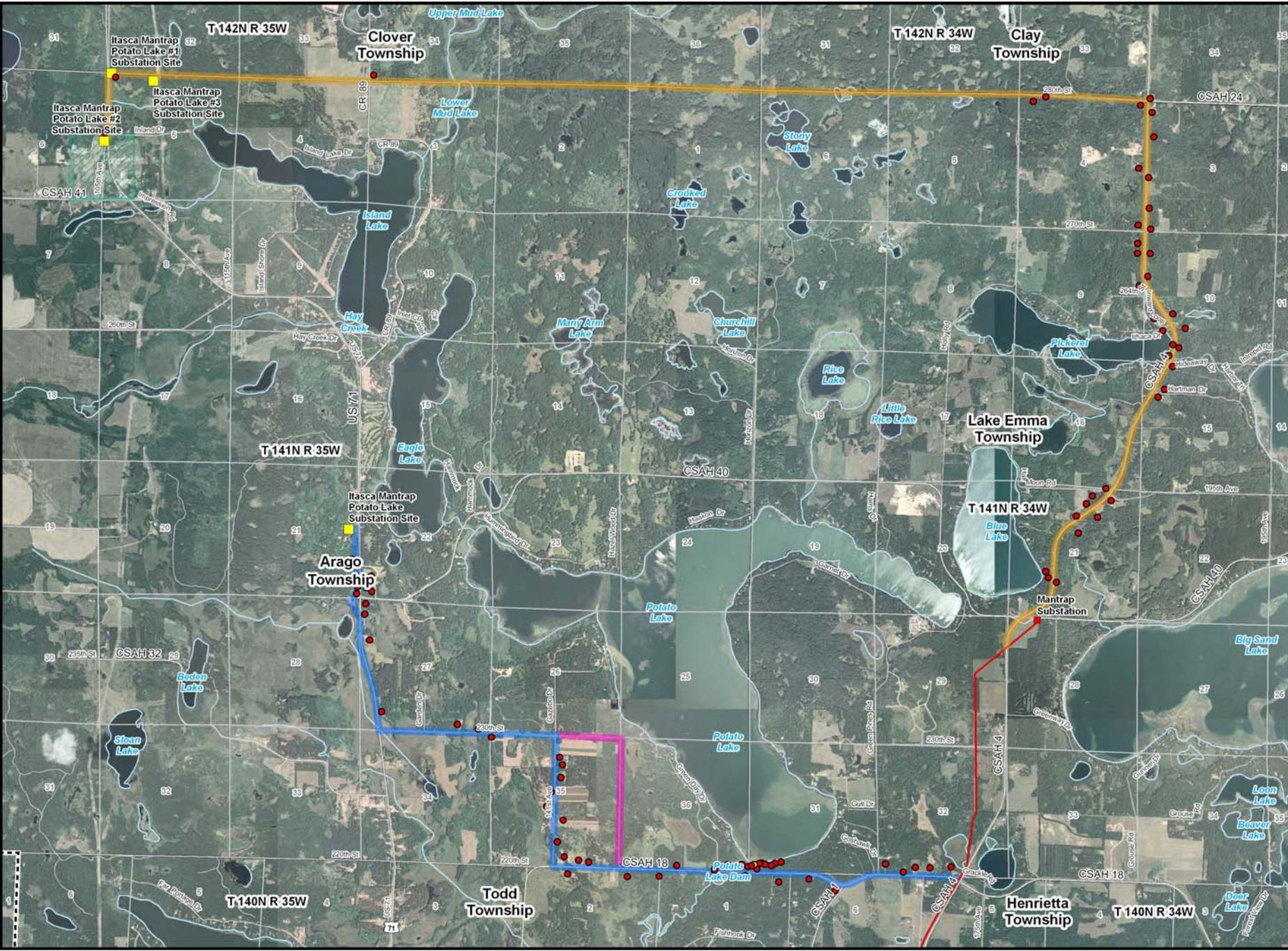


Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
2009 Color Orthophotos from
Farm Services Administration (FSA)

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 4C-11
Route C
Map 11**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - ▨ Property For Sale
- Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
 - Route B
 - Route C
- Existing Great River Energy
 - 34.5 kV Transmission Line
 - Residential Home
 - Commercial Building
- Land Base Features
 - Road Centerline
 - PLS Section Lines

N

Updated: 8/27/2010

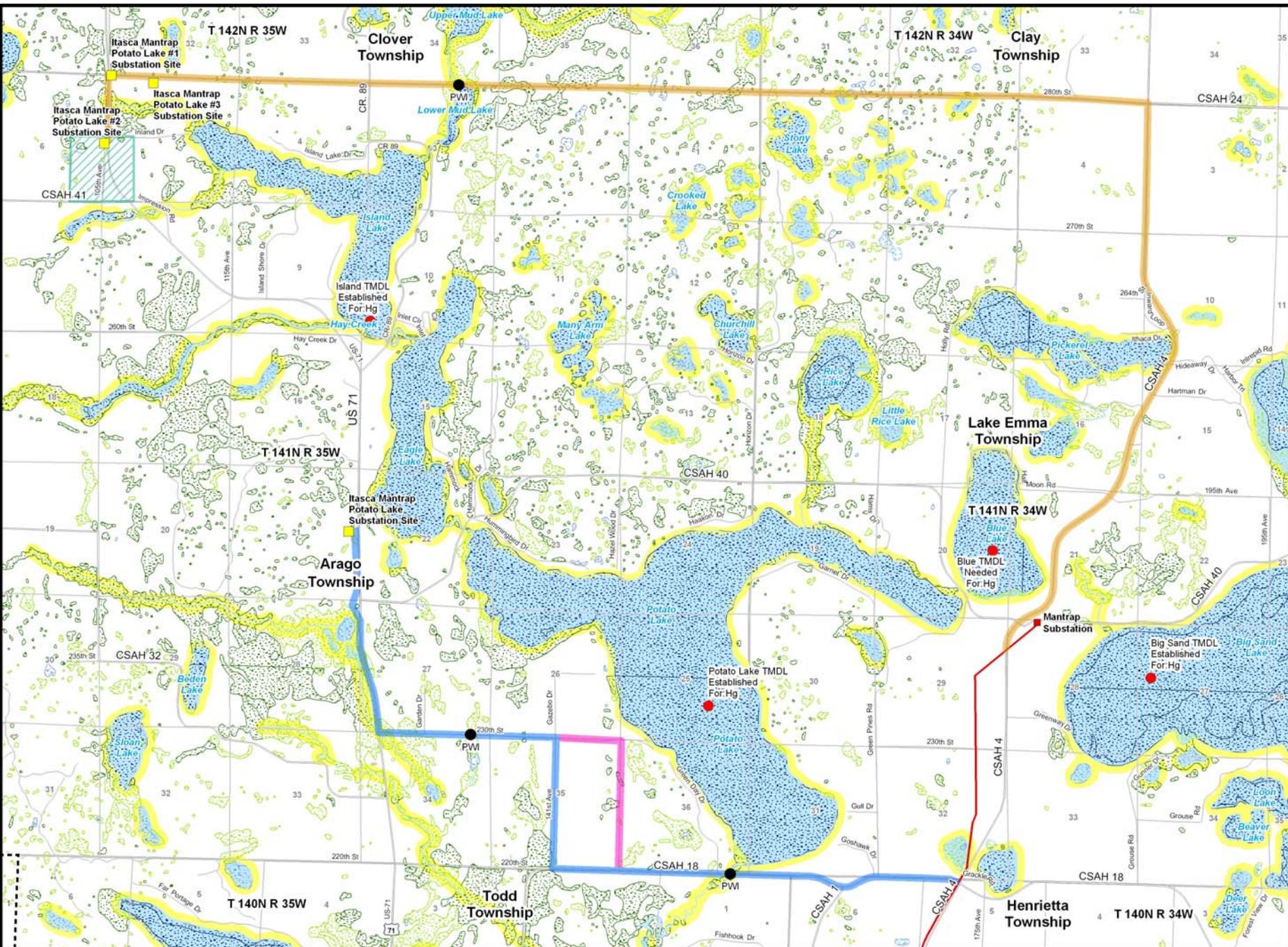
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Data Sources Vary Between MNDOT, MNDNR, MNGEO and Great River Energy 2009 Color Orthophotos from Farm Services Administration (FSA)

Map Projection: UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 5
Residential/Commercial
Buildings within 500' of
Road Centerline**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Property For Sale
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
 - Route B
 - Route C
- Existing Great River Energy
 - 34.5 kV Transmission Line
- NWI Wetlands
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Lake
 - Riverine
 - Riparian Area (200' Buffer of Lakes and Rivers)
- MPCA Designated Impaired Water
- Public Water Inventory
- Land Base Features
 - Road Centerline
 - Lakes and Rivers
 - PLS Section Lines

N

Updated: 8/27/2010

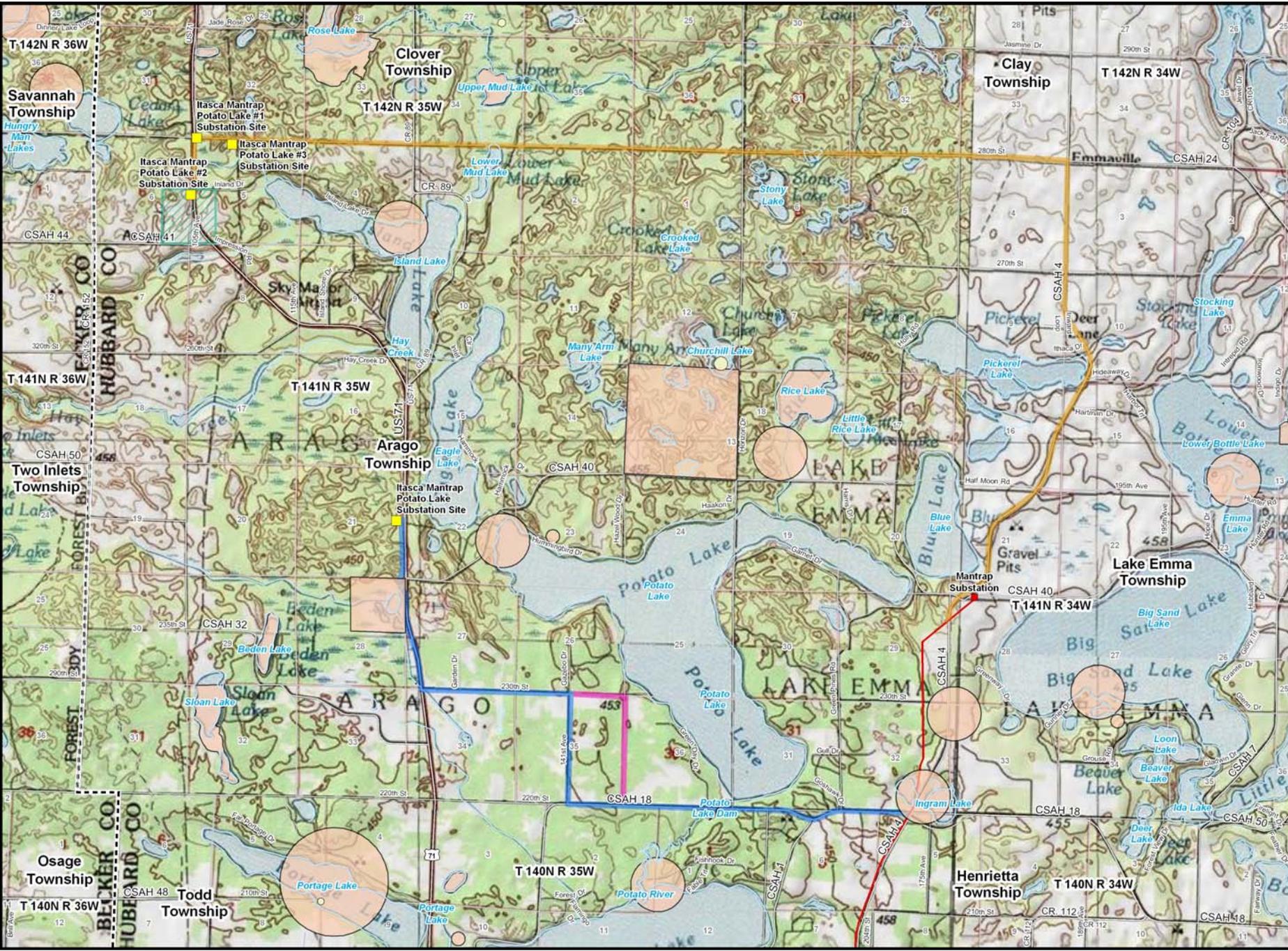
0 2,000 4,000 Feet

Data Sources Vary Between MNDOT, MNDNR, MNGEO and Great River Energy Impaired Waters from the MNPCA National Wetlands (NWI) PWI & Riparian Area from MNDNR

Map Projection: UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 6
Water
Resources**



- Proposed Itasca-Mantrap (IM)
 - Distribution Substation
 - Property For Sale
 - Existing Itasca-Mantrap
 - Distribution Substation
- Proposed Great River Energy (GRE)
 - Route A
 - Route B
 - Route C
- Existing Great River Energy
 - 34.5 kV Transmission Line
- Land Base Features
 - Road Centerline
 - PLS Section Lines
- Rare Natural Features Polygons
 - Botanical Range
 - Ecological
 - Zoological Range

N

Updated: 9/9/2010

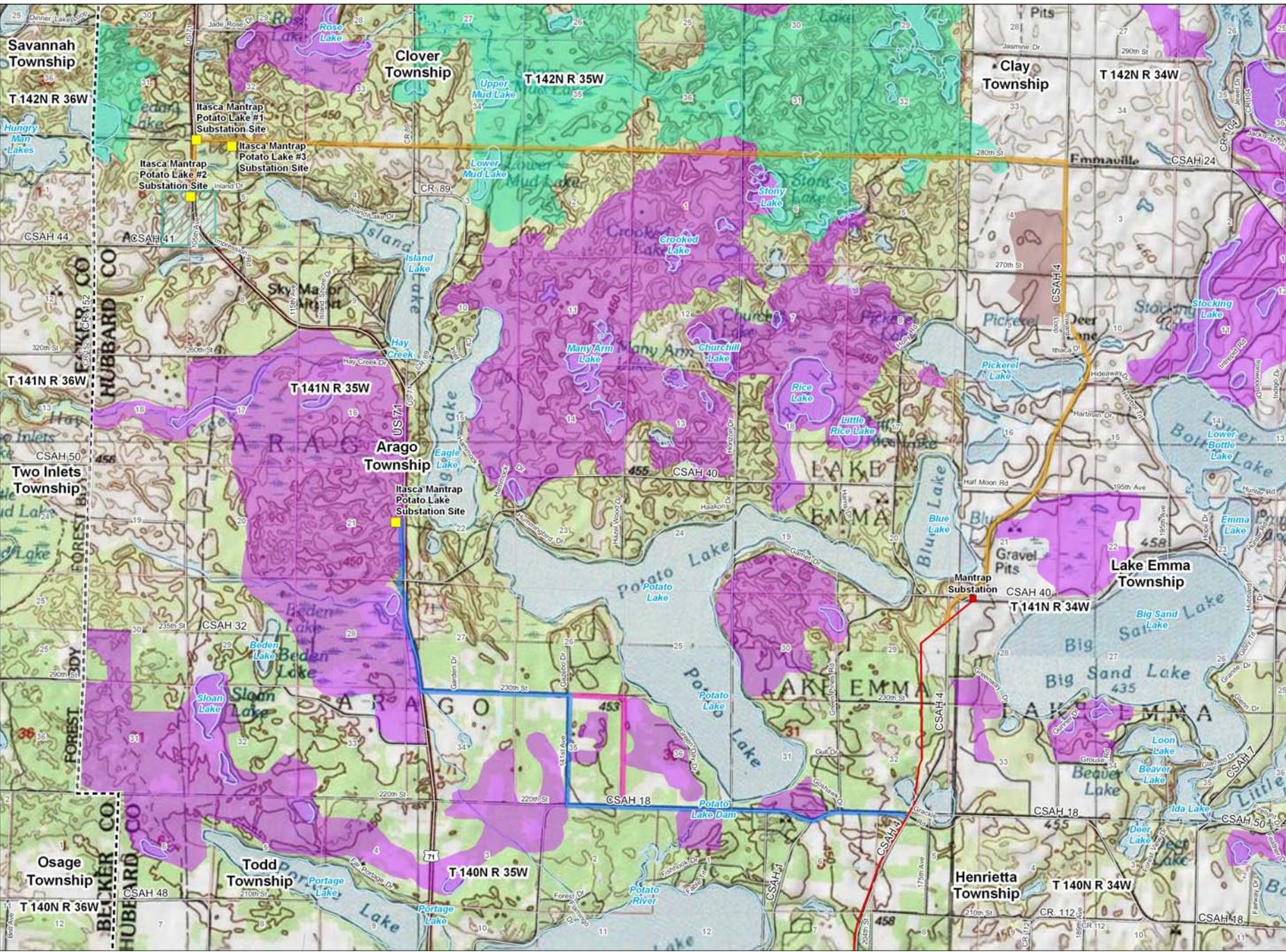
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Data Sources Vary Between
MNDOT, MNDNR, MNGEO
and Great River Energy
NGS US Topo Maps from ESRI
ArcGIS Data Web Service

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 7
Rare Features**



- Proposed Itasca-Mantrap (IM) Distribution Substation
- Property For Sale
- Existing Itasca-Mantrap Distribution Substation
- Proposed Great River Energy (GRE) Distribution Substation
- Route A
- Route B
- Route C
- Existing Great River Energy
- 34.5 kV Transmission Line
- Road Centerline
- PLS Section Lines
- Preliminary MCBS Sites*
- High
- Moderate
- Below

* The Preliminary MCBS Sites layer is not a finished product. This information is subject to change, including changes to the boundaries, classifications, and attributes.

N

Updated: 9/9/2010

0 2,000 4,000 Feet

Data Sources Vary Between MNDOT, MNDNR, MNGEO and Great River Energy
NGS US Topo Maps from ESRI
ArcGIS Data Web Service

Map Projection:
UTM, NAD83, Zone15, Meters

**Potato Lake
115 kV Transmission
Line & Substation
Project:**

**Figure 8
Minnesota Biological
Significant Sites**