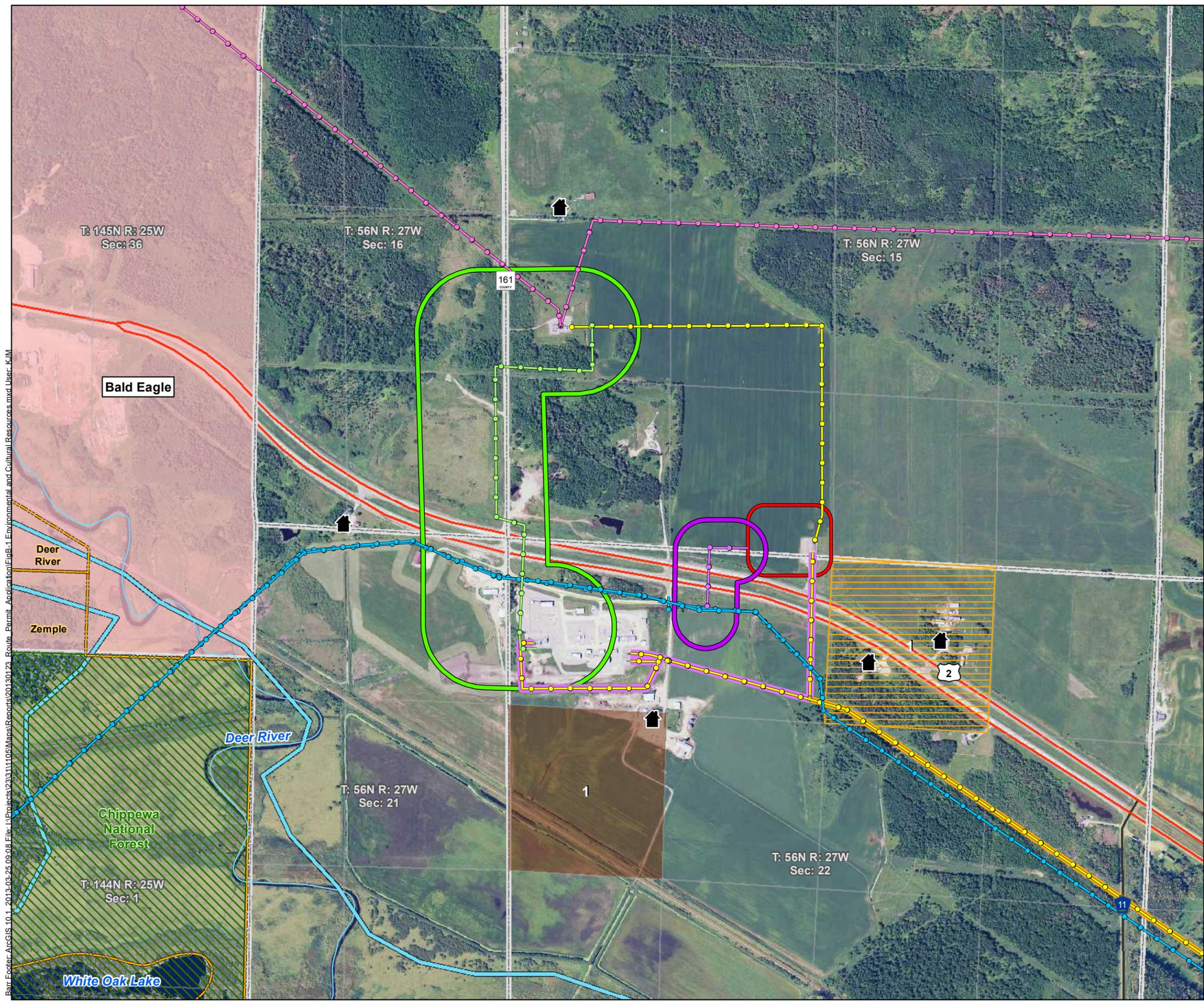


## **APPENDIX B**

### **ENVIRONMENTAL FEATURE AND RESOURCE MAPS**



- Existing 115kV Line
- Existing 69kV Line
- CapX2020 230kV Line
- 115 kV HVTL Proposed for Removal
- Proposed 115 kV Rebuild
- Proposed 115kV Alignment
- Proposed 115 kV HVTL Route
- Proposed 230kV Alignment
- Proposed 230 kV HVTL Route
- Proposed Substation Location
- Residence
- PWI Watercourse
- PWI Basin
- National Forest Boundary
- Rare Natural Feature\*
- Archaeological Site
- Historic Site
- PLS Quarter-Quarter Section
- PLS Section
- Municipal Boundary

\* Natural Heritage Information System Rare Features Data  
 Copyright 2012 State of Minnesota, Department of Natural Resources

Image Source: 2010 Farm Service Agency

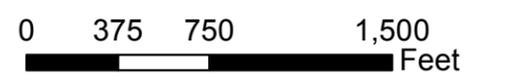
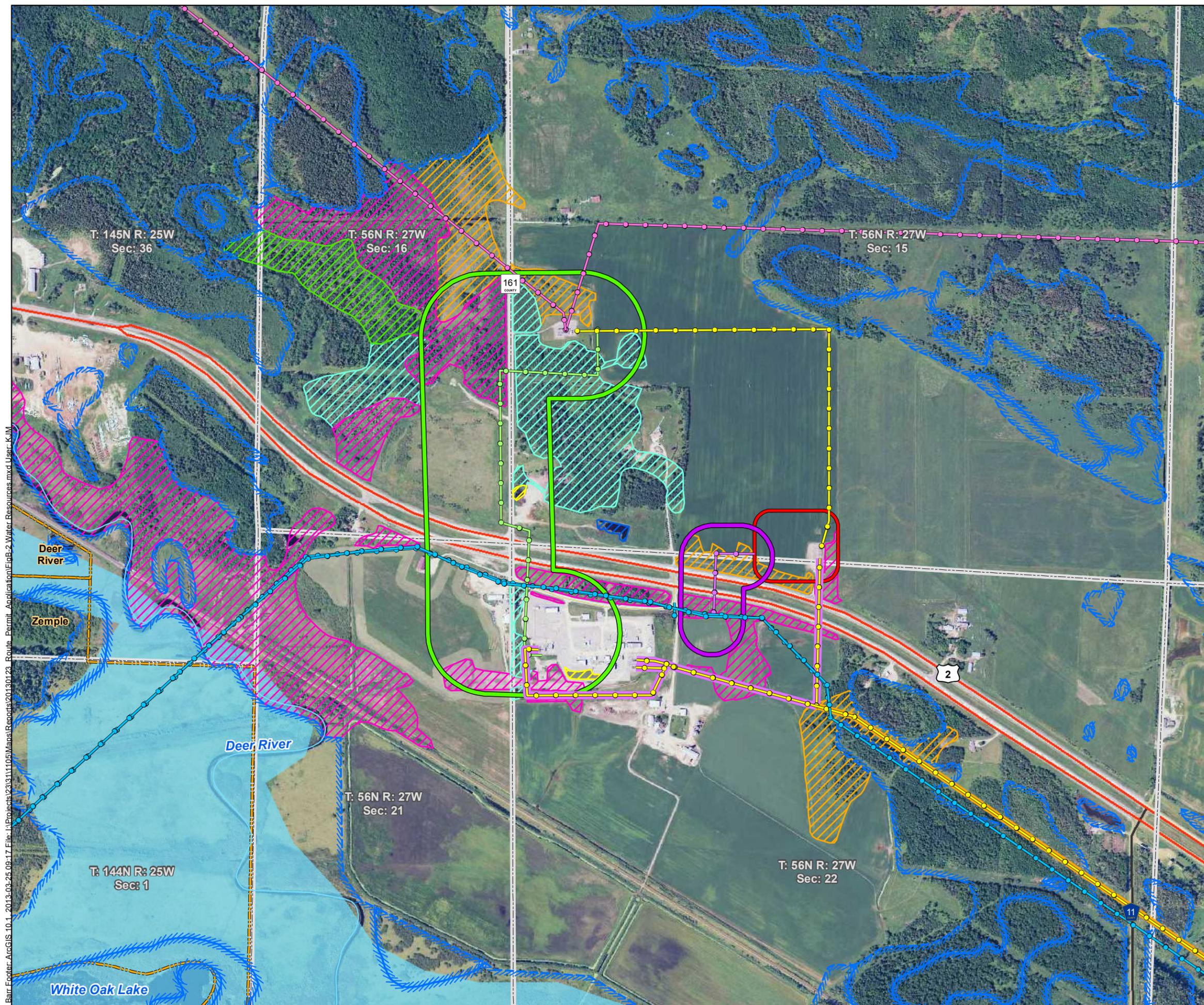


Figure B-1

ENVIRONMENTAL AND  
 CULTURAL RESOURCES  
 Proposed 115 kV, 230 kV  
 HVTL and Substation  
 Minnesota Power  
 Itasca County, MN

Barr Footer: ArcGIS 10.1, 2013-03-25 09:09 File: I:\Projects\231311\1105\Maps\Reports\20130123\_Route\_Permit\_Application\Fig-B-1\_Environmental\_and\_Cultural\_Resources.mxd User: KJM



- Existing 115kV Line
  - Existing 69kV Line
  - CapX2020 230kV Line
  - 115 kV HVTL Proposed for Removal
  - Proposed 115 kV Rebuild
  - Proposed 115kV Alignment
  - Proposed 115 kV HVTL Route
  - Proposed 230kV Alignment
  - Proposed 230 kV HVTL Route
  - Proposed Substation Location
  - PWI Watercourse
  - PWI Basin
  - PLS Section
  - Municipal Boundary
  - NWI Wetland
- Barr Wetland Determination**
- Eggers & Reed Wetland Types**
- Coniferous Swamp
  - Hardwood Swamp
  - Sedge/Wet Meadow
  - Shallow Marsh
  - Shallow, Open Water
  - Shrub Swamp

Image Source: 2010 Farm Service Agency

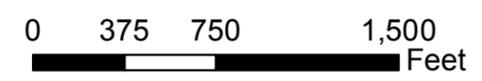
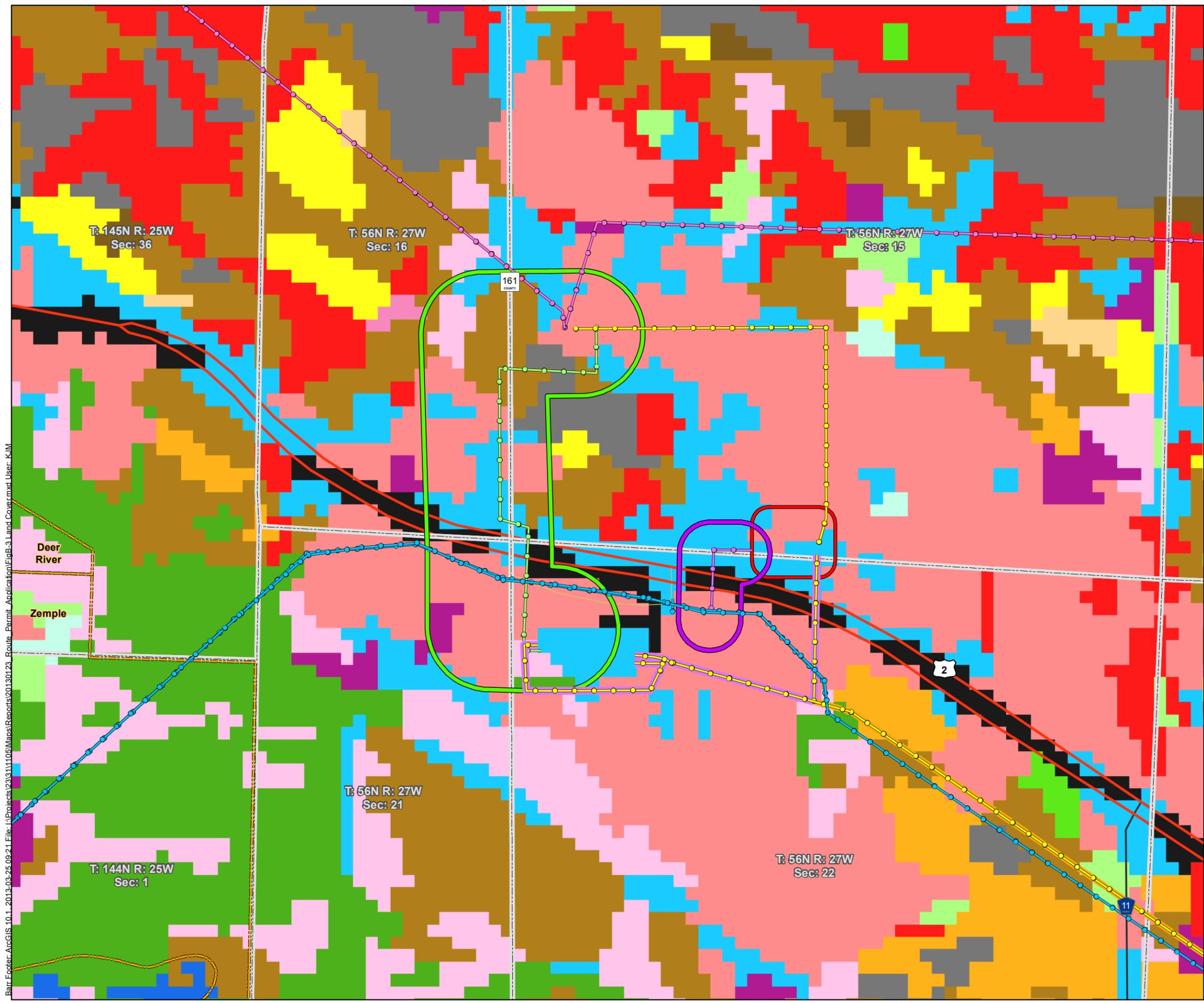


Figure B-2

**WATER RESOURCES**  
 Proposed 115 kV, 230 kV  
 HVTL and Substation  
 Minnesota Power  
 Itasca County, MN

Barr Footer: ArcGIS 10.1, 2013-03-25 09:17 File: I:\Projects\231311\105\Map\Reports\20130123\_Route\_Permit\_Application\FigB-2\_Water\_Resources.mxd User: KJM



- Existing 115kV Line
  - Existing 69kV Line
  - CapX2020 230kV Line
  - 115 kV HVTL Proposed for Removal
  - Proposed 115 kV Rebuild
  - Proposed 115kV Alignment
  - Proposed 115 kV HVTL Route
  - Proposed 230kV Alignment
  - Proposed 230 kV HVTL Route
  - Proposed Substation Location
  - PLS Section
  - Municipal Boundary
- Land Cover\***
- Aspen/White Birch
  - Black Ash
  - Broadleaf Sedge/Cattail
  - Cropland
  - Grassland
  - Lowland Black Spruce
  - Lowland Conifer-Deciduous mix
  - Lowland Deciduous
  - Lowland Deciduous Shrub
  - Lowland Northern White-Cedar
  - Maple/Basswood
  - Sedge Meadow
  - Tamarack
  - Transportation
  - Upland Deciduous
  - Upland Northern White-Cedar
  - Upland Shrub
  - Water
- \* USGS National Gap Analysis Program

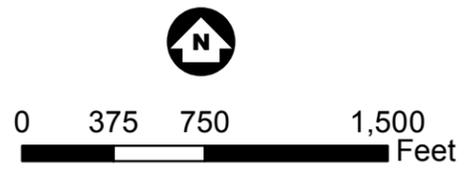


Figure B-3

LAND COVER  
Proposed 115 kV, 230 kV  
HVTL and Substation  
Minnesota Power  
Itasca County, MN

Barr Footer: ArcGIS 10.1 2013-02-25 09:21 File: I:\Projects\231311105\Maps\Reports\20130123\_Route\_Permit\_Application\FigB-3\_Land\_Cover.mxd User: KJM