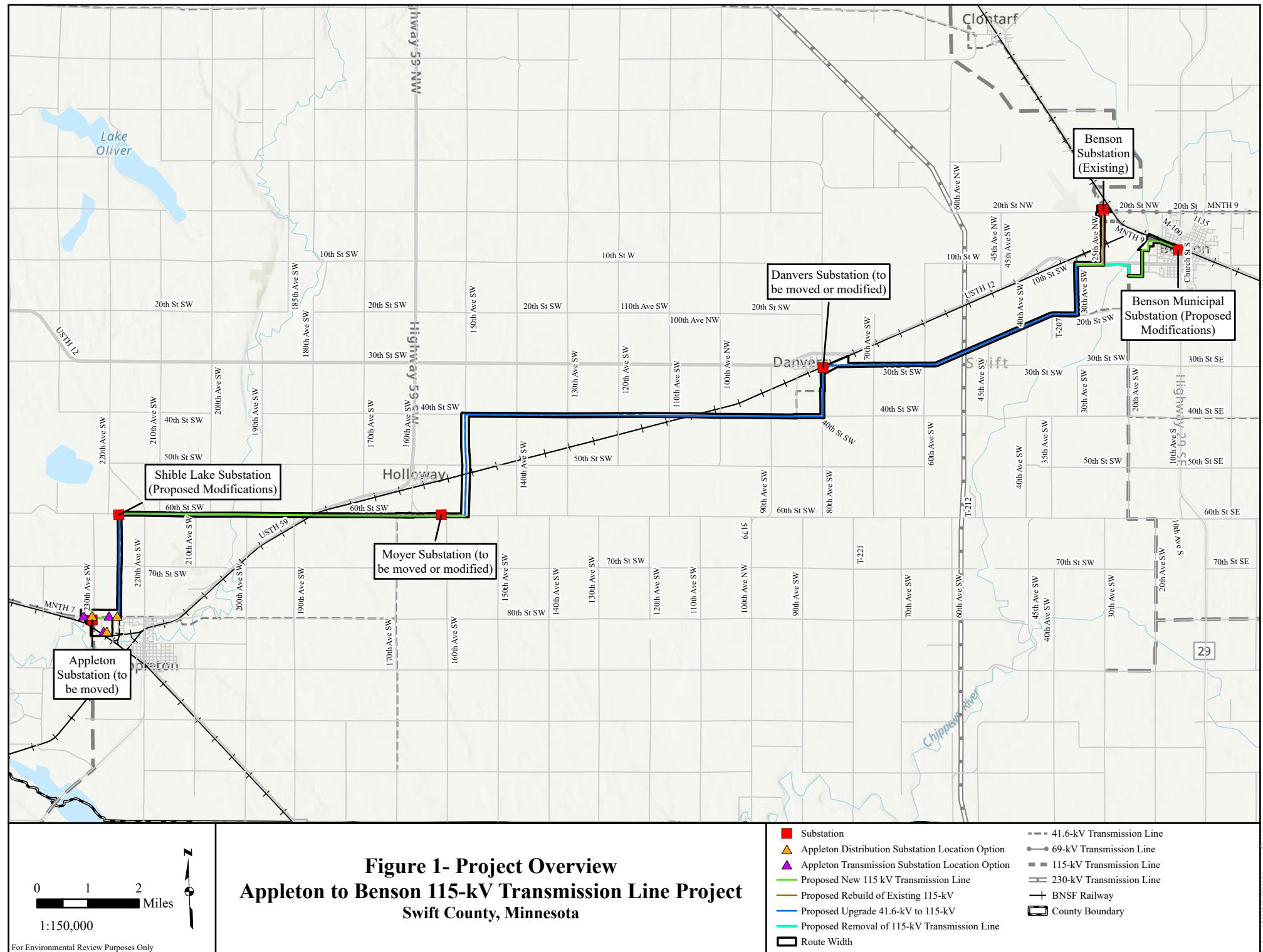
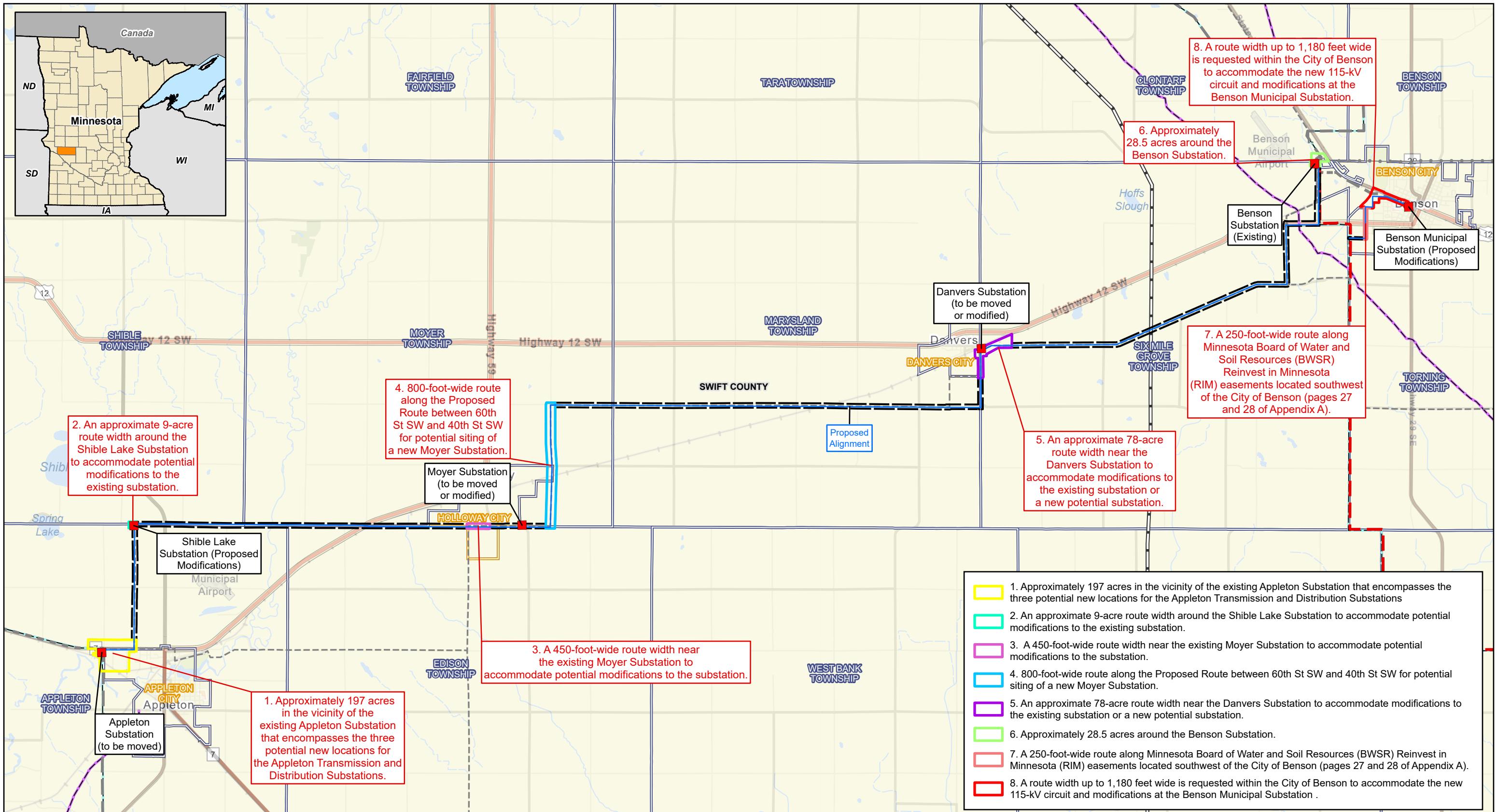


Appendix A- Figures

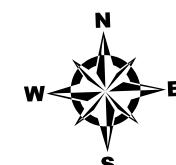




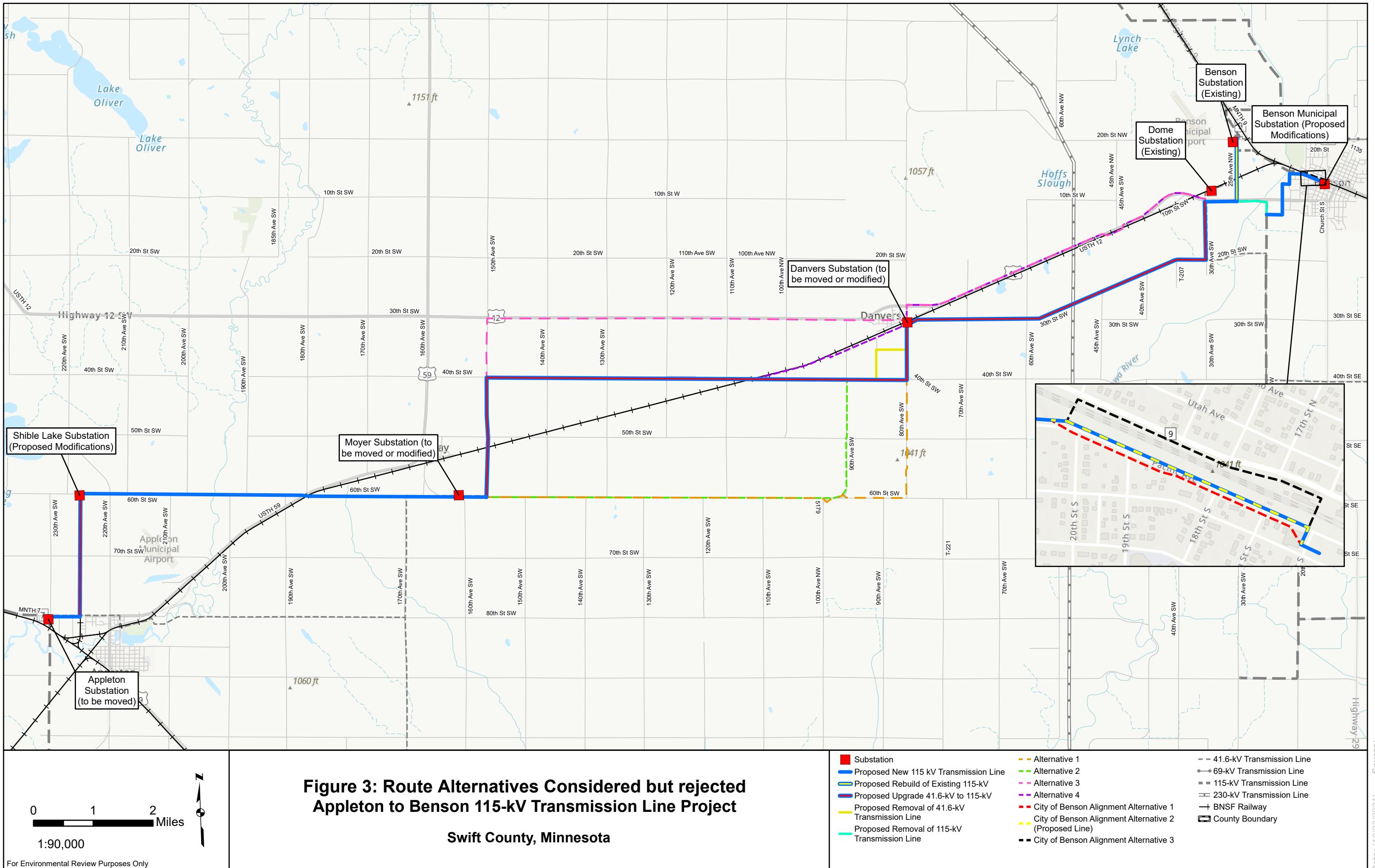
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Figure 2- Proposed Route Widths
Appleton to Benson 115-kV Transmission Line Project
Swift County, Minnesota

0 1 2 Miles
1 inch = 2 miles



■ Substation
— Proposed Alignment
□ Proposed Route
---- 41.6-kV Transmission Line
- - - 69-kV Transmission Line
- - 115-kV Transmission Line
— 230-kV Transmission Line
- - - GRE AG-BK 115-kV Line
— Existing Natural Gas Pipeline
— City Boundary
— Township Boundary
— County Boundary



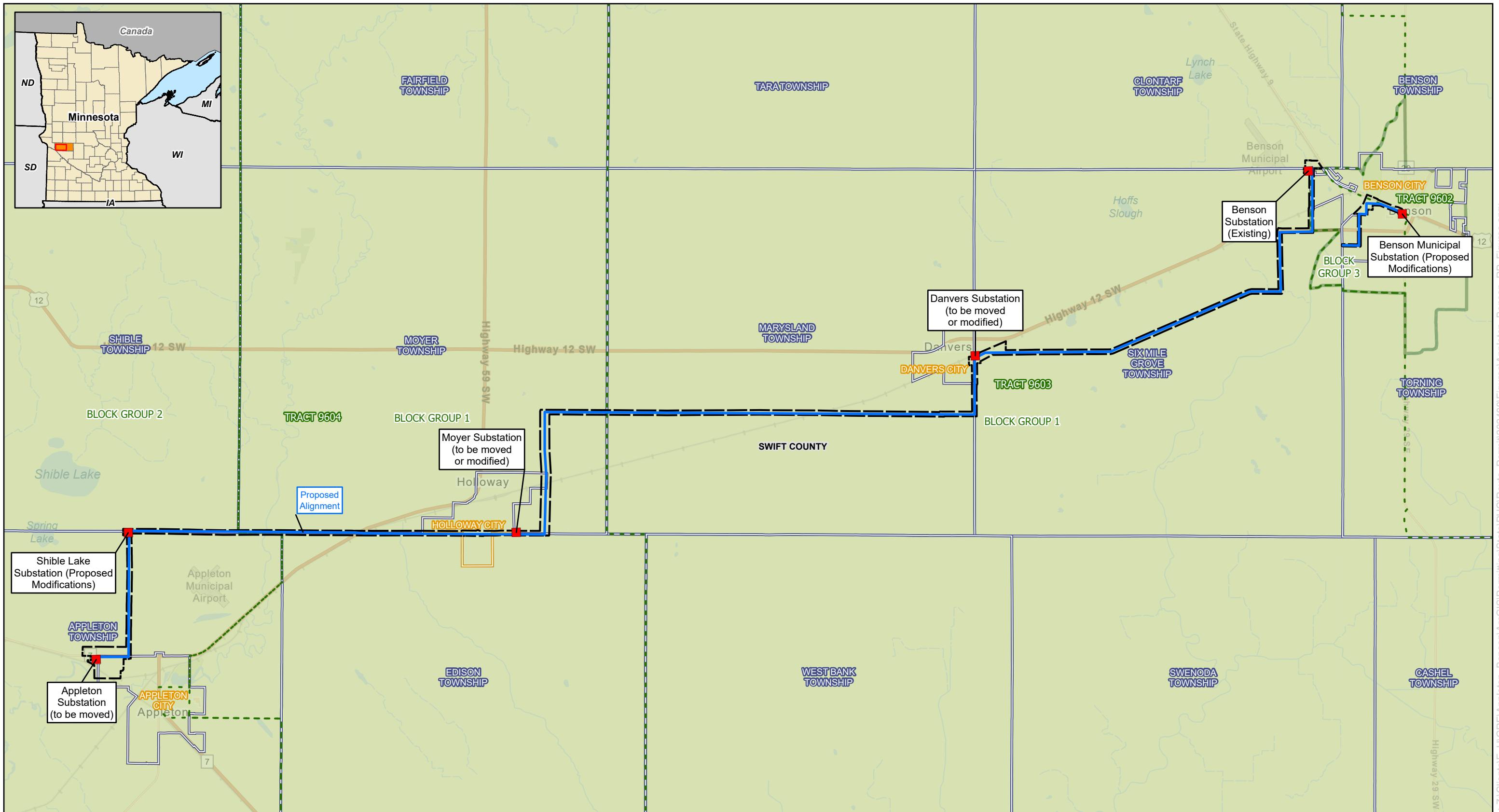


Figure 4: Census Tracts
Appleton to Benson 115-kV Transmission Line Project
Swift County, Minnesota

0 2 Miles
1 inch = 2 miles



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Great River Energy

- Substation
- Proposed Alignment
- Proposed Route

Census Tracts

Census Block Group

City Boundary

Township Boundary

County Boundary

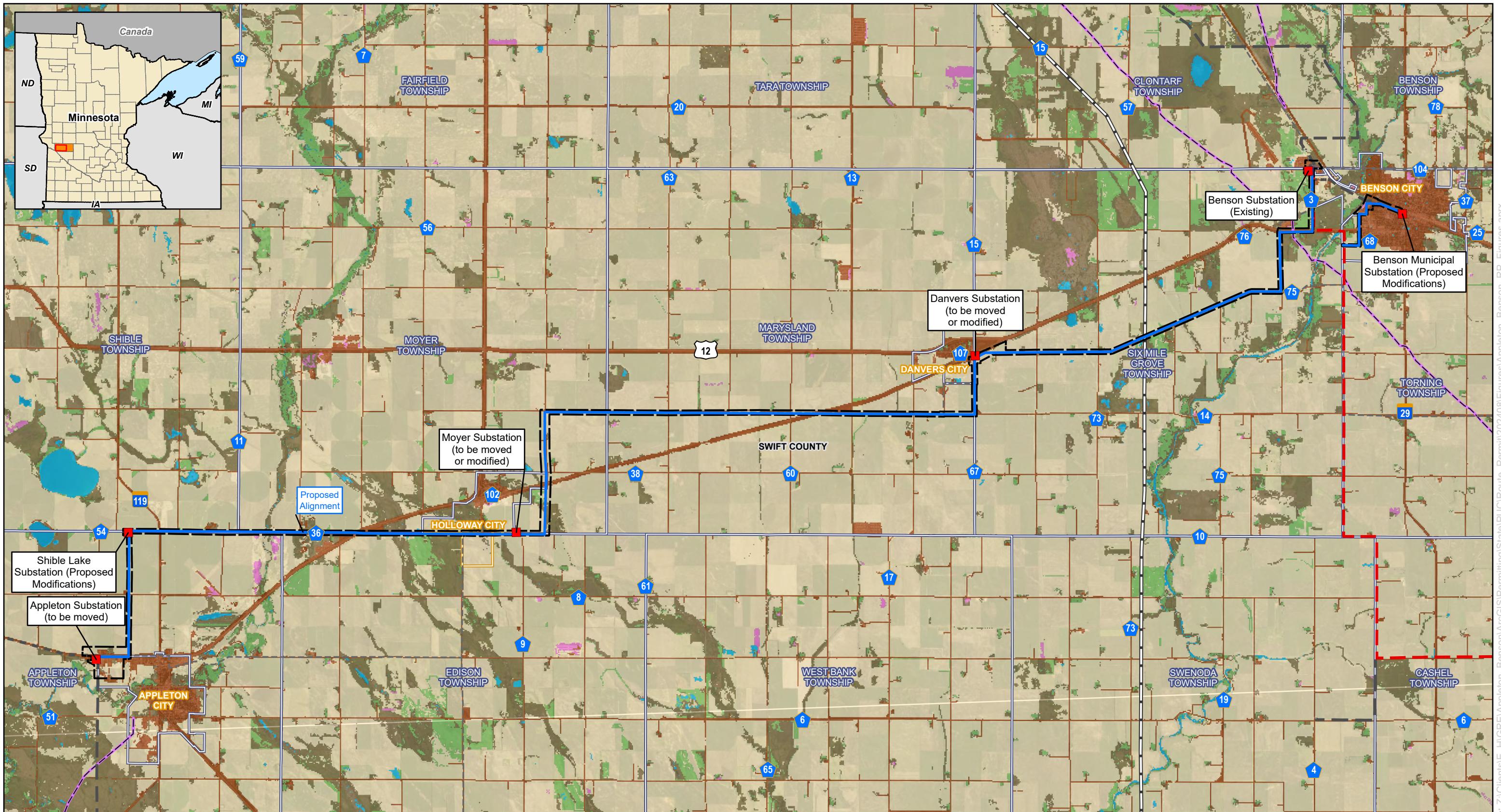


Figure 5: Land Use / Land Cover

Appleton to Benson 115-kV Transmission Line Project Swift County, Minnesota

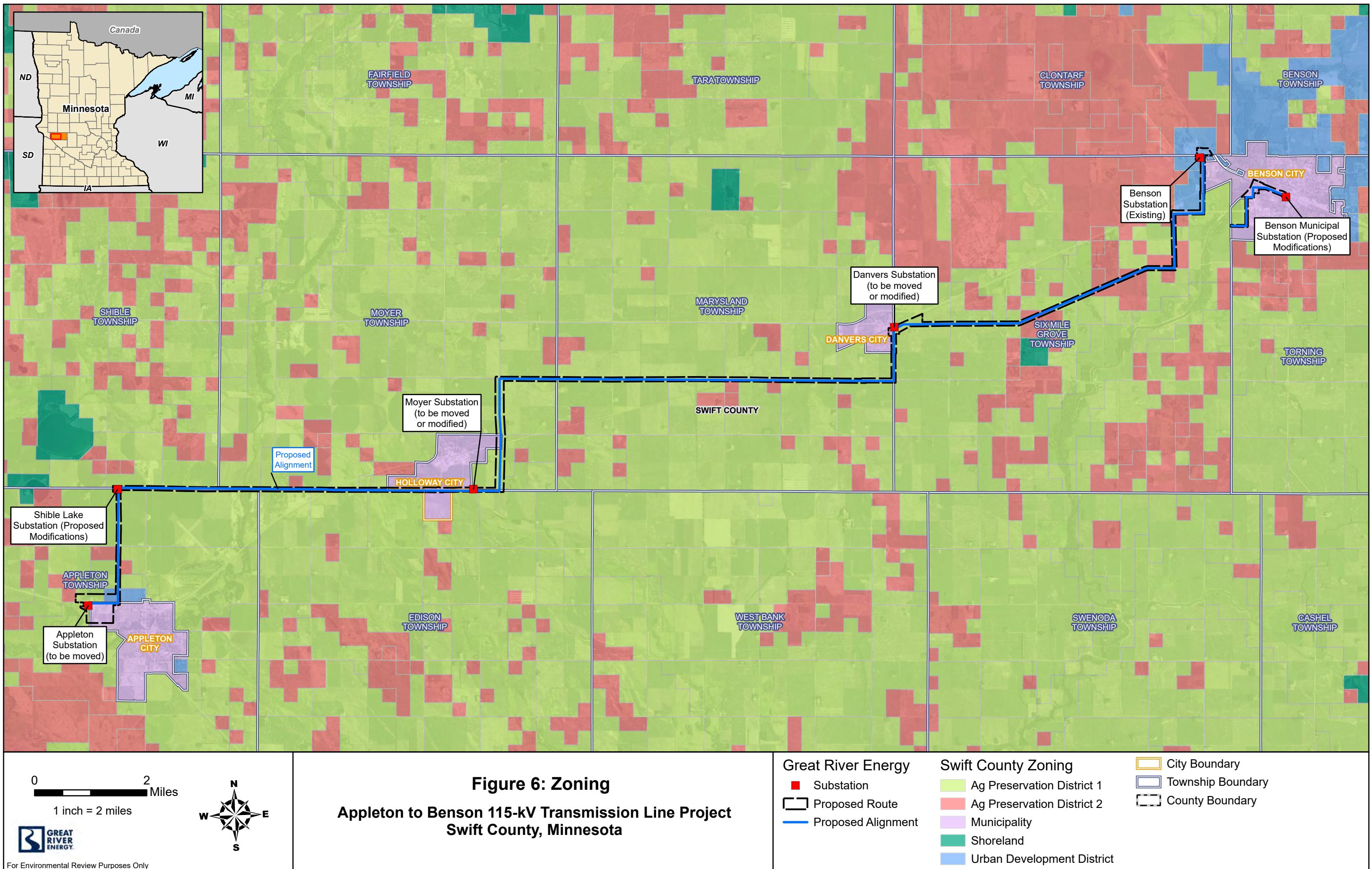
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Great River Energy

- GRE AG-BK 115-kV Line
- - - 41.6-kV Transmission Line
- 69-kV Transmission Line
- - - 115-kV Transmission Line
- 230-kV Transmission Line
- Existing Natural Gas Pipeline

GAP I and Us

The legend is located in the bottom right corner of the map. It consists of five entries, each with a colored square followed by a text label. The entries are: 'Recently Disturbed or Modified' (pink), 'Shrub & Herb Vegetation' (brown), 'City Boundary' (orange), 'Township Boundary' (blue), and 'County Boundary' (black dashed line).



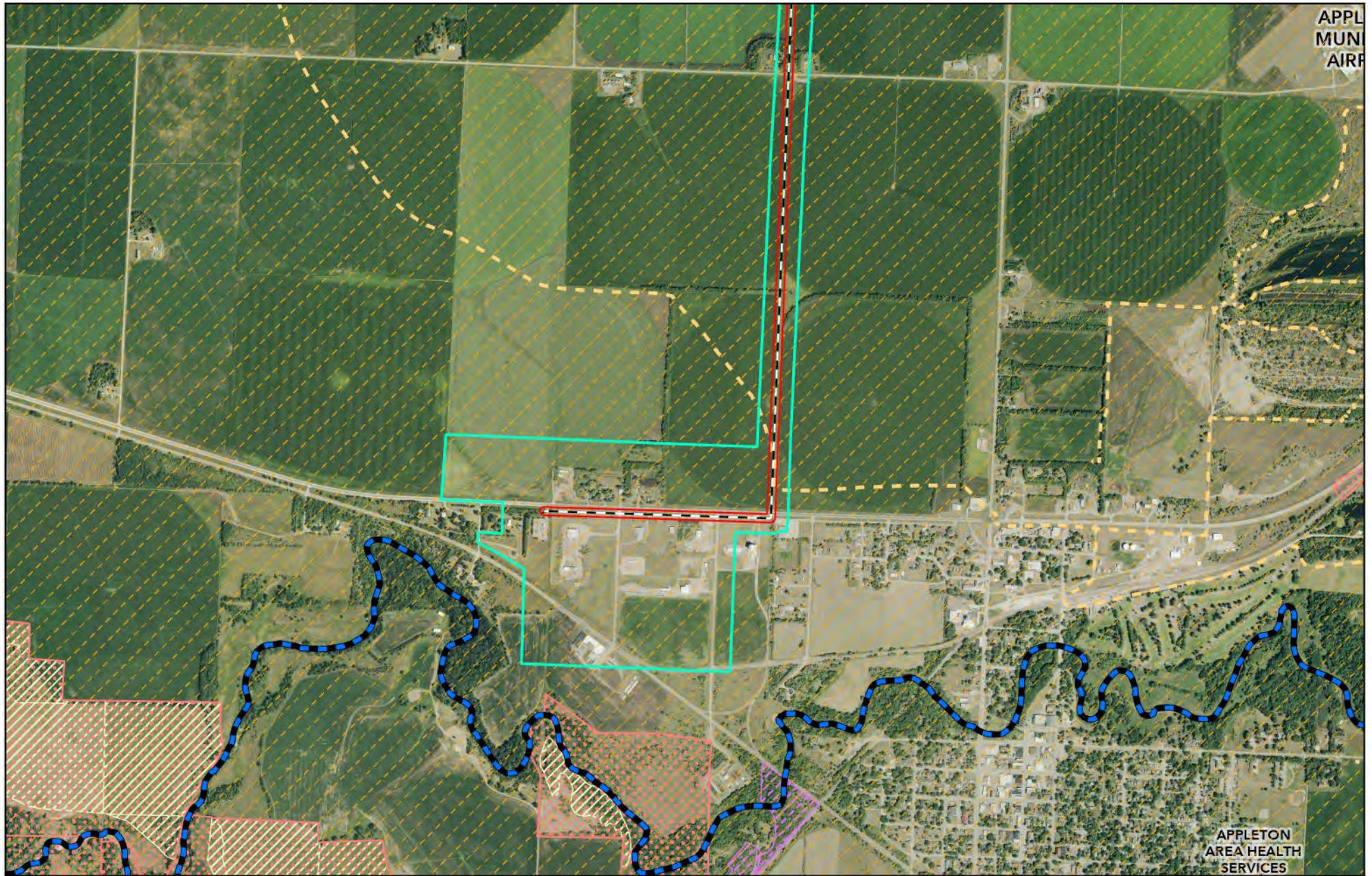


Figure 7: Recreation and Wildlife Resources: Page 1 of 22

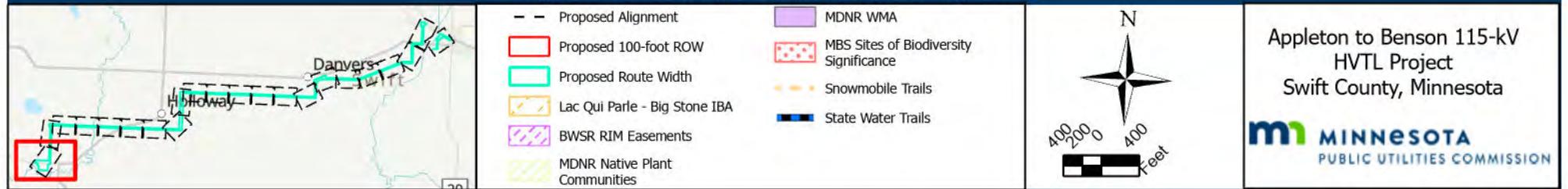




Figure 7: Recreation and Wildlife Resources: Page 2 of 22





Figure 7: Recreation and Wildlife Resources: Page 3 of 22



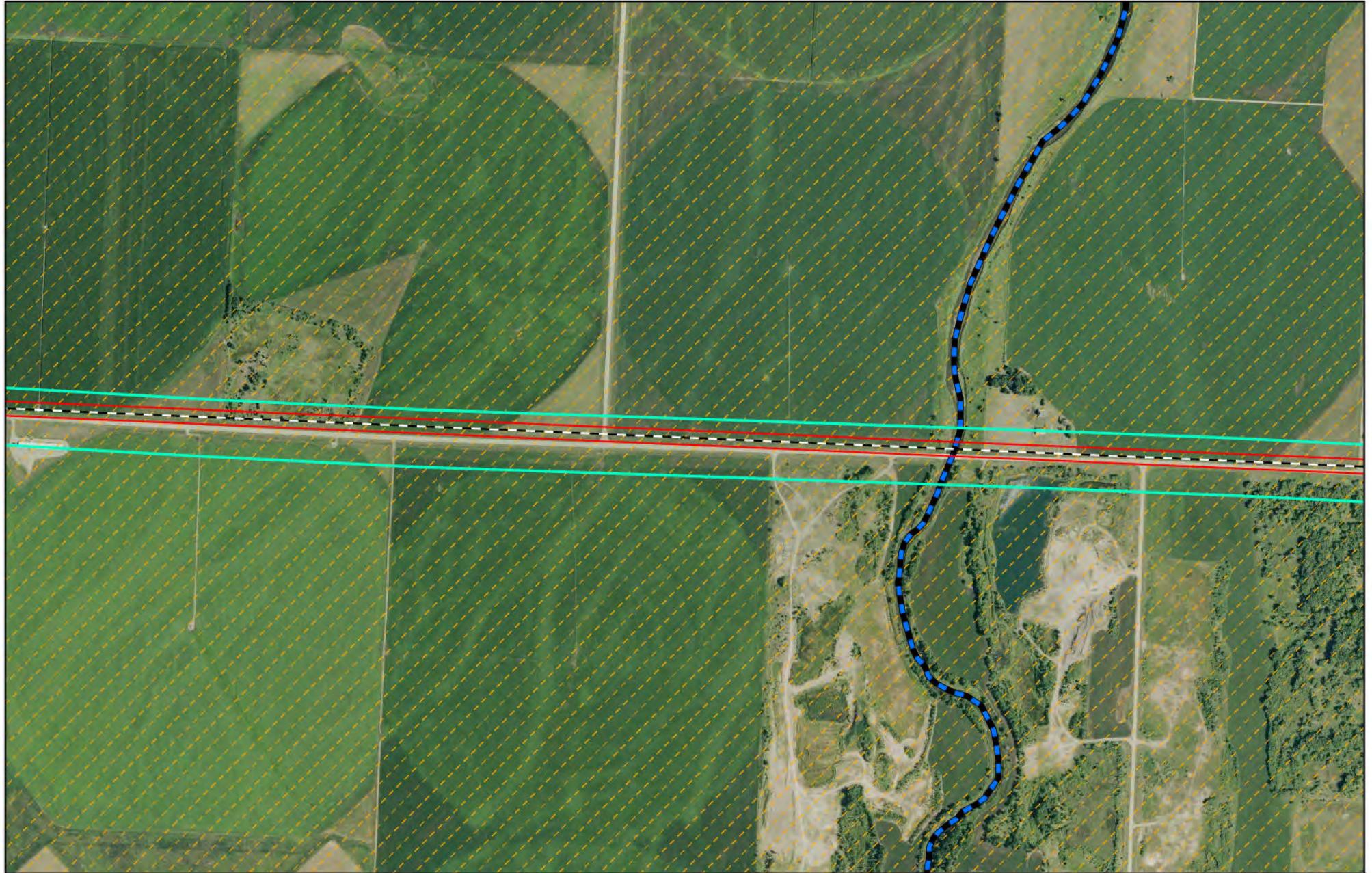


Figure 7: Recreation and Wildlife Resources: Page 4 of 22



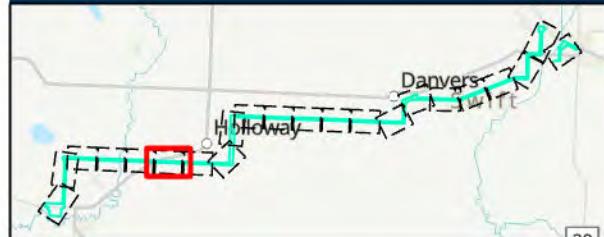


Figure 7: Recreation and Wildlife Resources: Page 5 of 22





Figure 7: Recreation and Wildlife Resources: Page 6 of 22



— Proposed Alignment

— Proposed 100-foot ROW

— Proposed Route Width

— Lac Qui Parle - Big Stone IBA

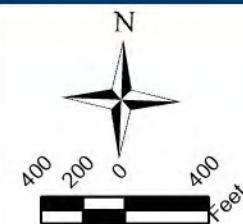
— MDNR Native Plant Communities

— MDNR WMA

— MBS Sites of Biodiversity Significance

— Snowmobile Trails

— State Water Trails



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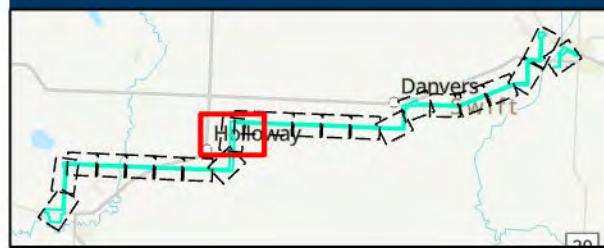
Figure 7: Recreation and Wildlife Resources: Page 7 of 22





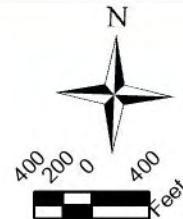
Figure 7: Recreation and Wildlife Resources: Page 8 of 22





- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- BWSR RIM Easements
- MDNR Native Plant Communities

- MDNR WMA
- MBS Sites of Biodiversity Significance
- Snowmobile Trails
- State Water Trails



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HVTL Project
Swift County, Minnesota



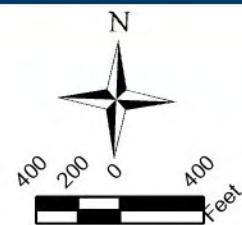


Figure 7: Recreation and Wildlife Resources: Page 10 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- MDNR Native Plant Communities
- MDNR WMA

- MBS Sites of Biodiversity Significance
- Snowmobile Trails
- State Water Trails



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Figure 7: Recreation and Wildlife Resources: Page 11 of 22



— Proposed Alignment

— Proposed 100-foot ROW

— Proposed Route Width

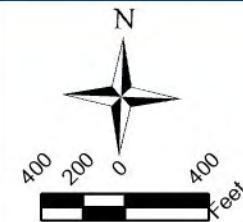
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— MDNR WMA

● MBS Sites of Biodiversity Significance

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— State Water Trails



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Figure 7: Recreation and Wildlife Resources: Page 12 of 22



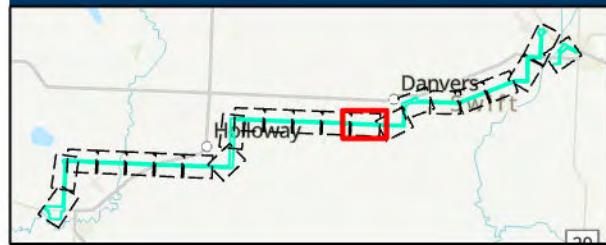


Figure 7: Recreation and Wildlife Resources: Page 13 of 22





Figure 7: Recreation and Wildlife Resources: Page 14 of 22



— Proposed Alignment

— Proposed 100-foot ROW

— Proposed Route Width

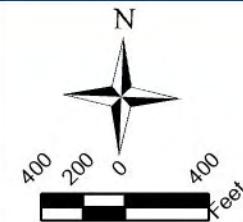
— MDNR Native Plant Communities

— MDNR WMA

● MBS Sites of Biodiversity Significance

— Snowmobile Trails

— State Water Trails

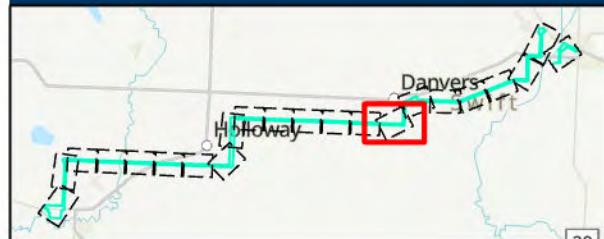


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Figure 7: Recreation and Wildlife Resources: Page 15 of 22



— Proposed Alignment

— Proposed 100-foot ROW

— Proposed Route Width

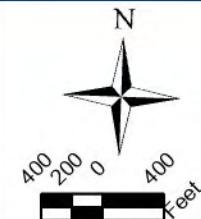
— MDNR Native Plant Communities

— MDNR WMA

— MBS Sites of Biodiversity Significance

— Snowmobile Trails

— State Water Trails



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Figure 7: Recreation and Wildlife Resources: Page 16 of 22



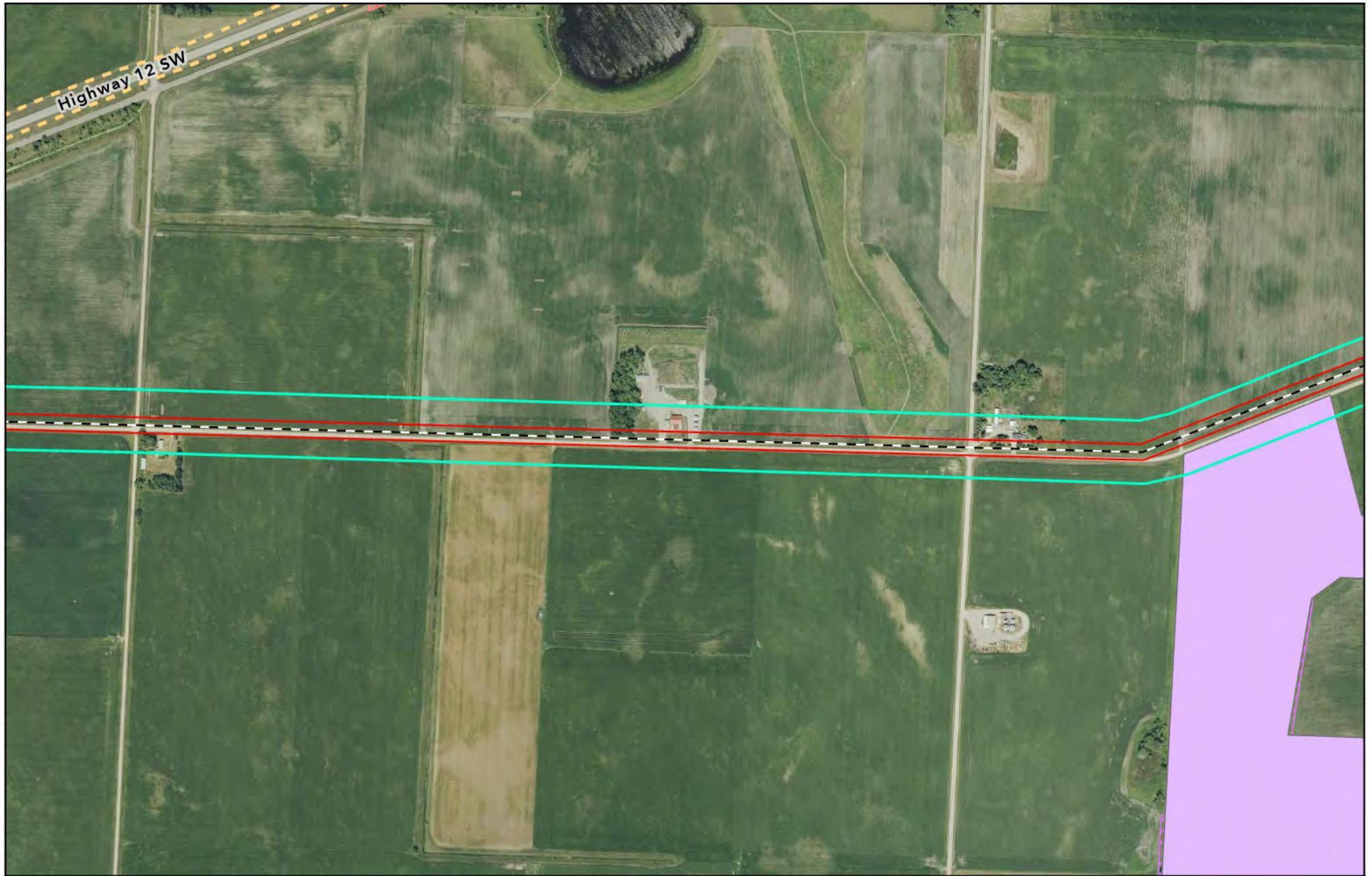
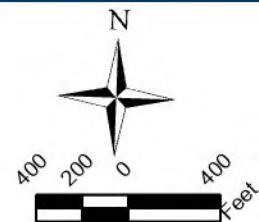


Figure 7: Recreation and Wildlife Resources: Page 17 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- BWSR RIM Easements
- MDNR Native Plant Communities

- MDNR WMA
- MBS Sites of Biodiversity Significance
- Snowmobile Trails
- State Water Trails



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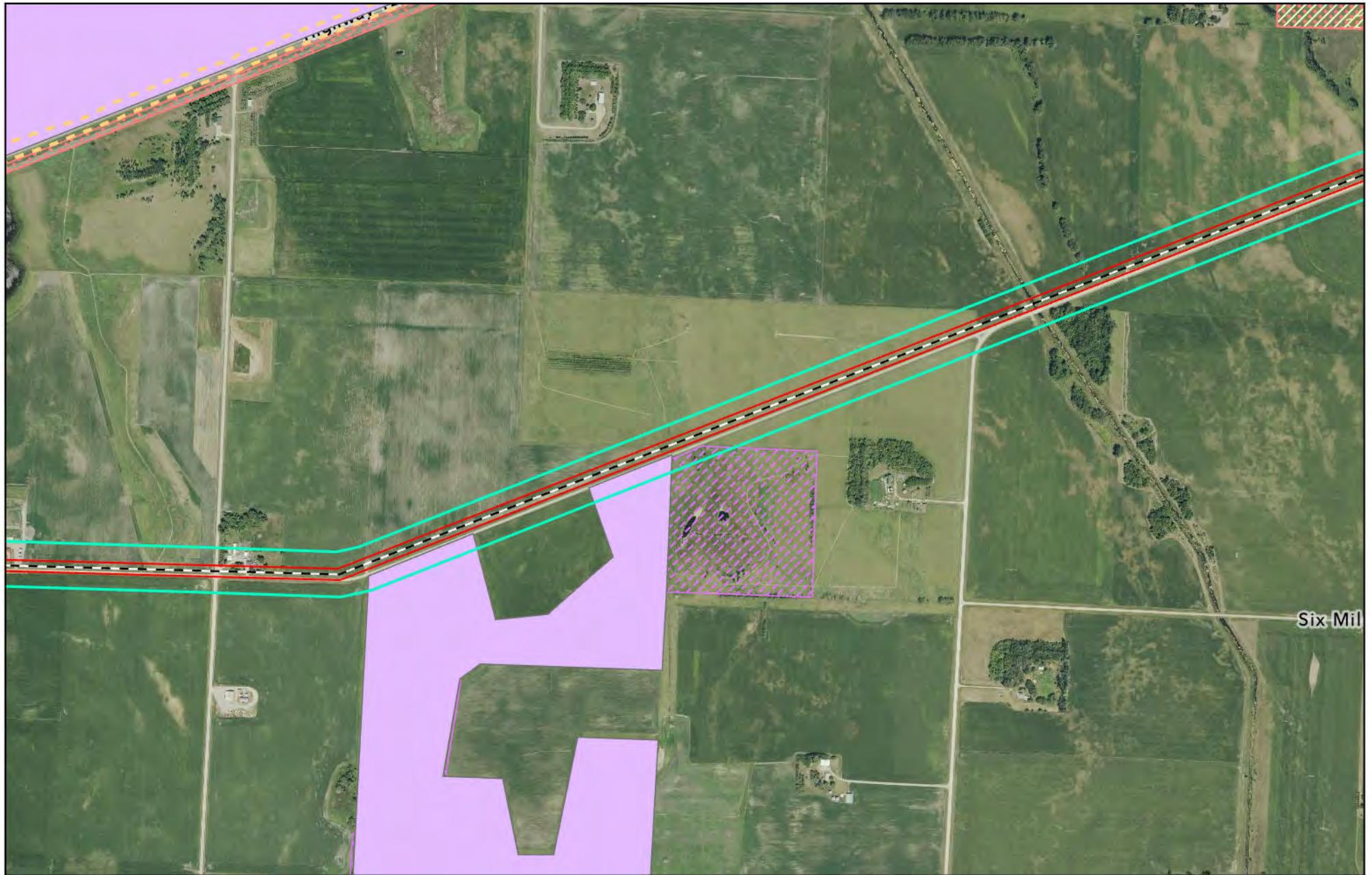


Figure 7: Recreation and Wildlife Resources: Page 18 of 22



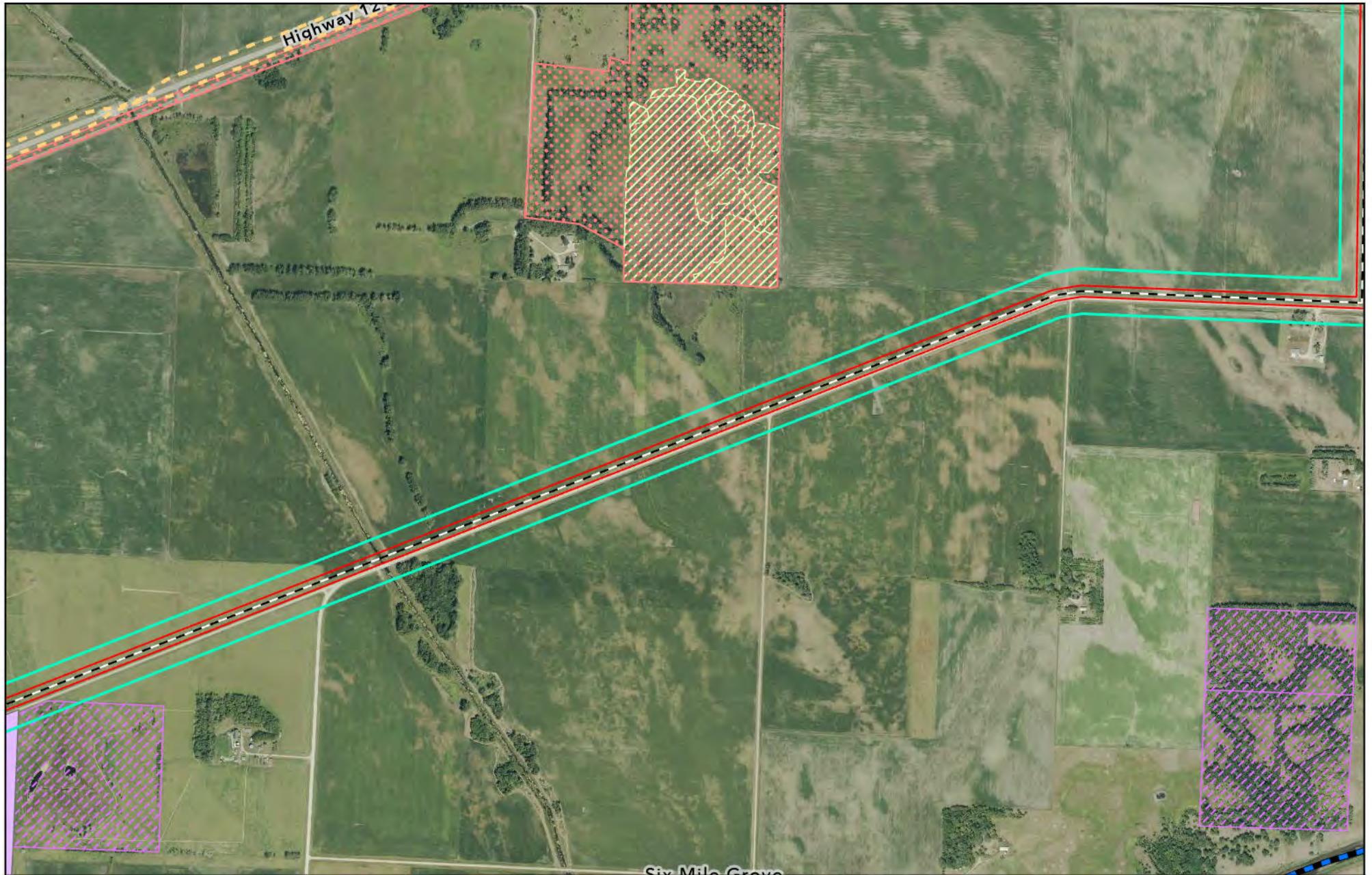
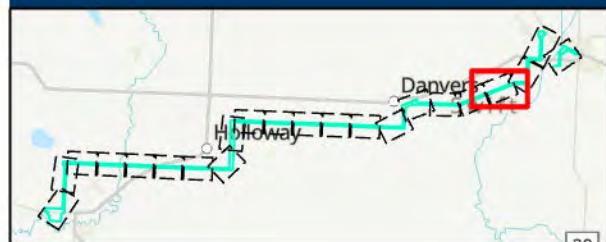
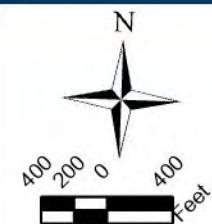


Figure 7: Recreation and Wildlife Resources: Page 19 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- BWSR RIM Easements
- MDNR Native Plant Communities

- MDNR WMA
- MBS Sites of Biodiversity Significance
- Snowmobile Trails
- State Water Trails



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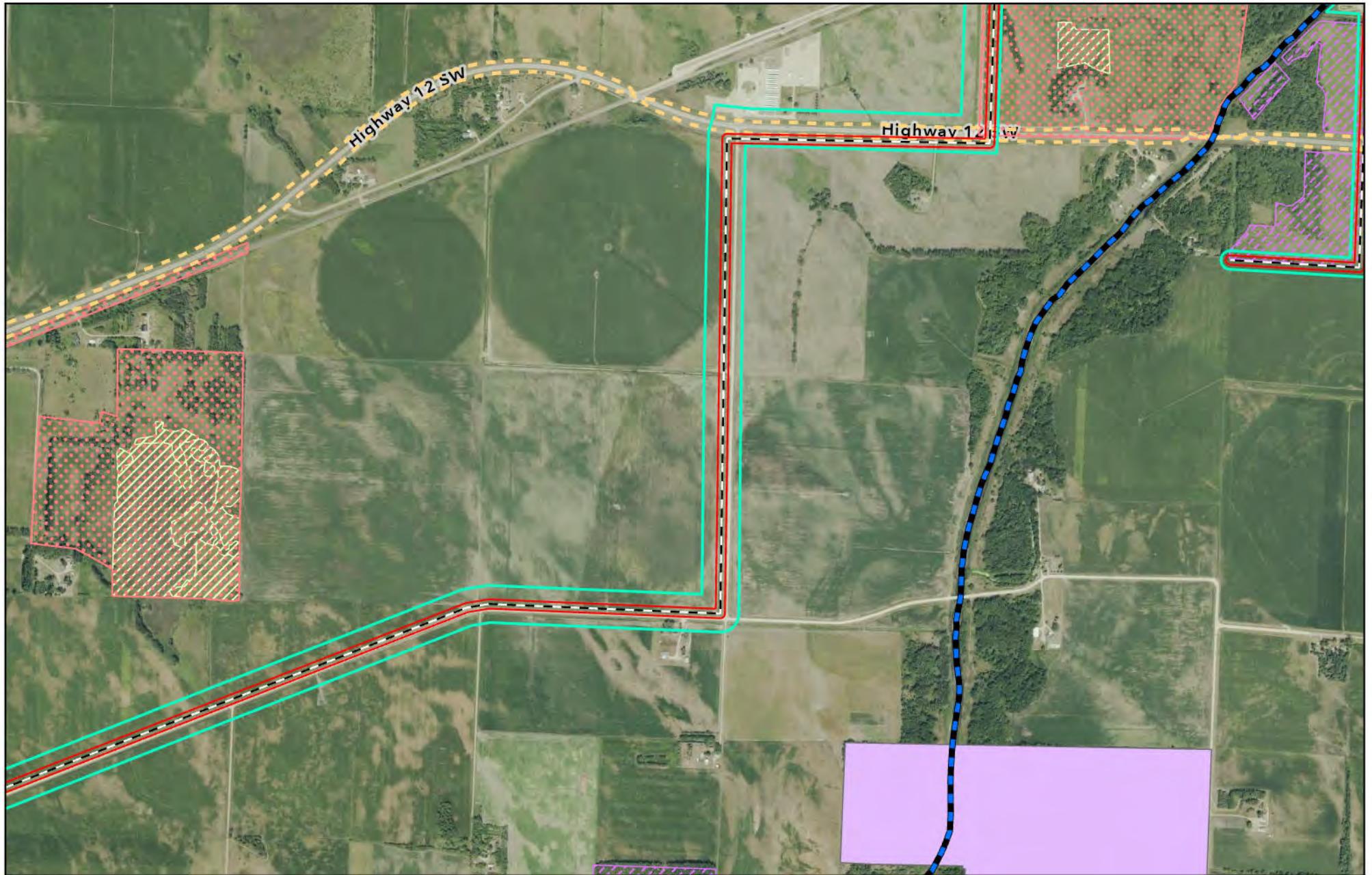


Figure 7: Recreation and Wildlife Resources: Page 20 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- BWSR RIM Easements
- MDNR Native Plant Communities

- MDNR WMA
- MBS Sites of Biodiversity Significance
- Snowmobile Trails
- State Water Trails



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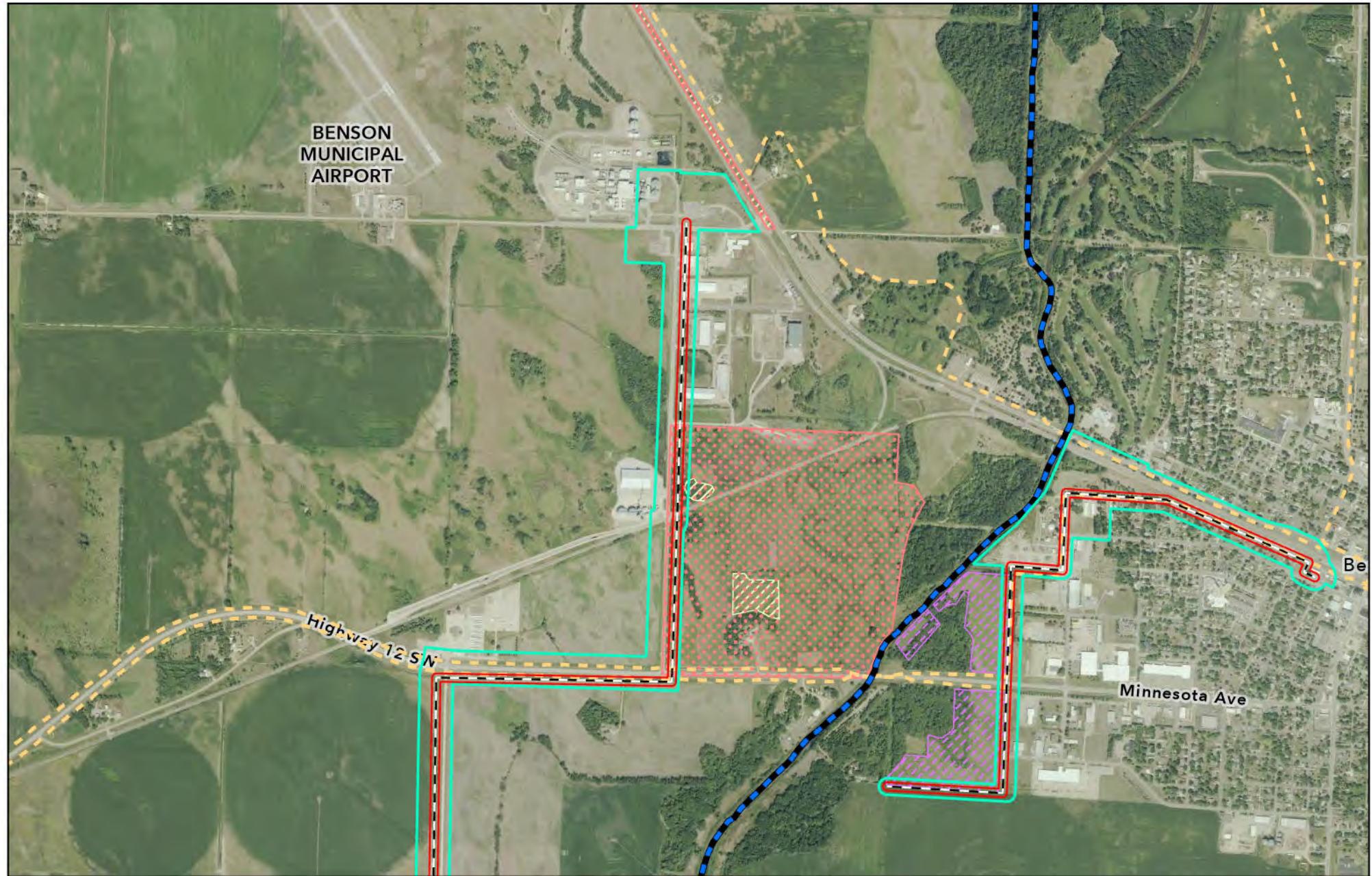


Figure 7: Recreation and Wildlife Resources: Page 21 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- BWSR RIM Easements
- MDNR Native Plant Communities

- MDNR WMA
- MBS Sites of Biodiversity Significance
- Snowmobile Trails
- State Water Trails



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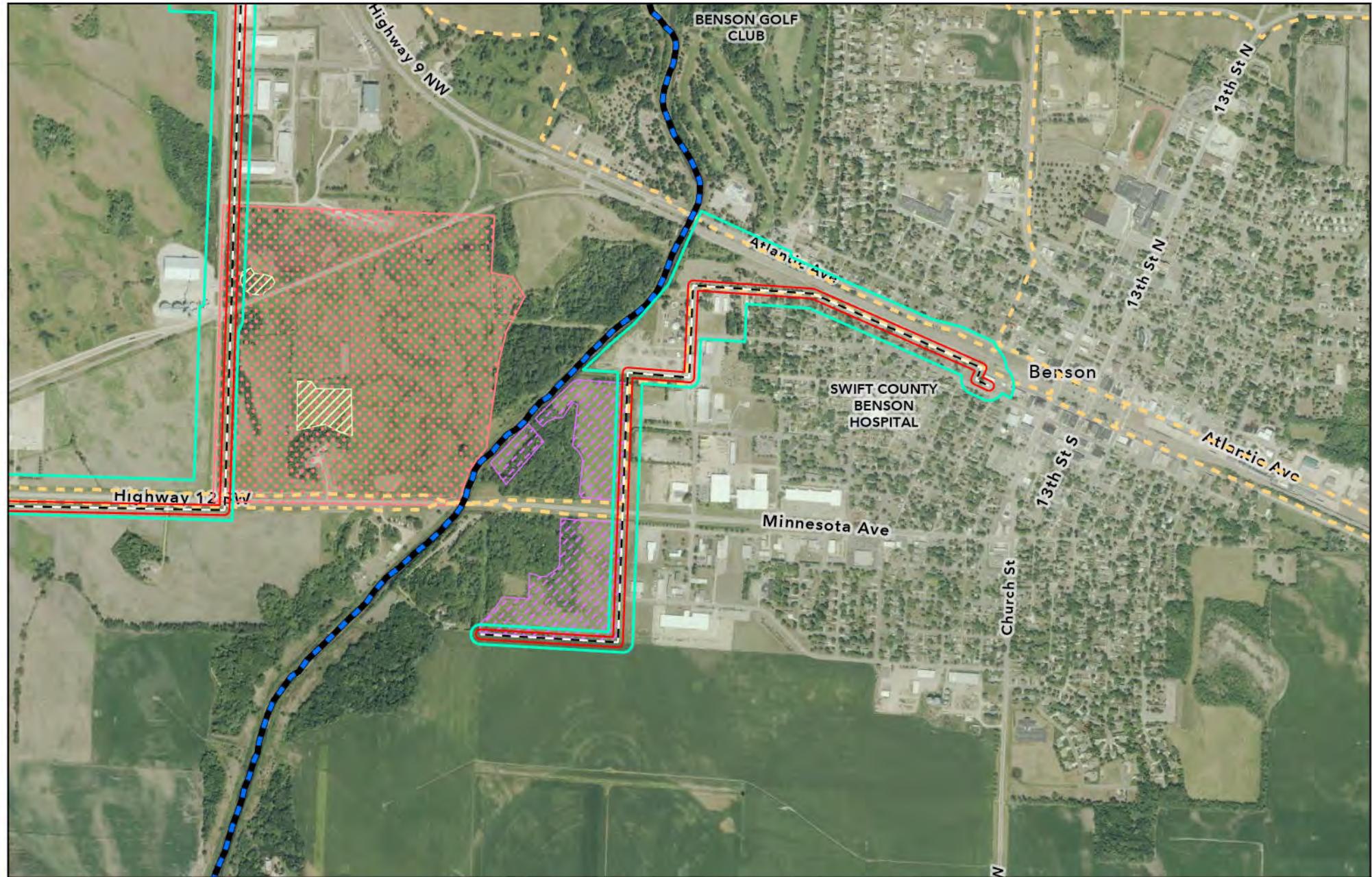


Figure 7: Recreation and Wildlife Resources: Page 22 of 22



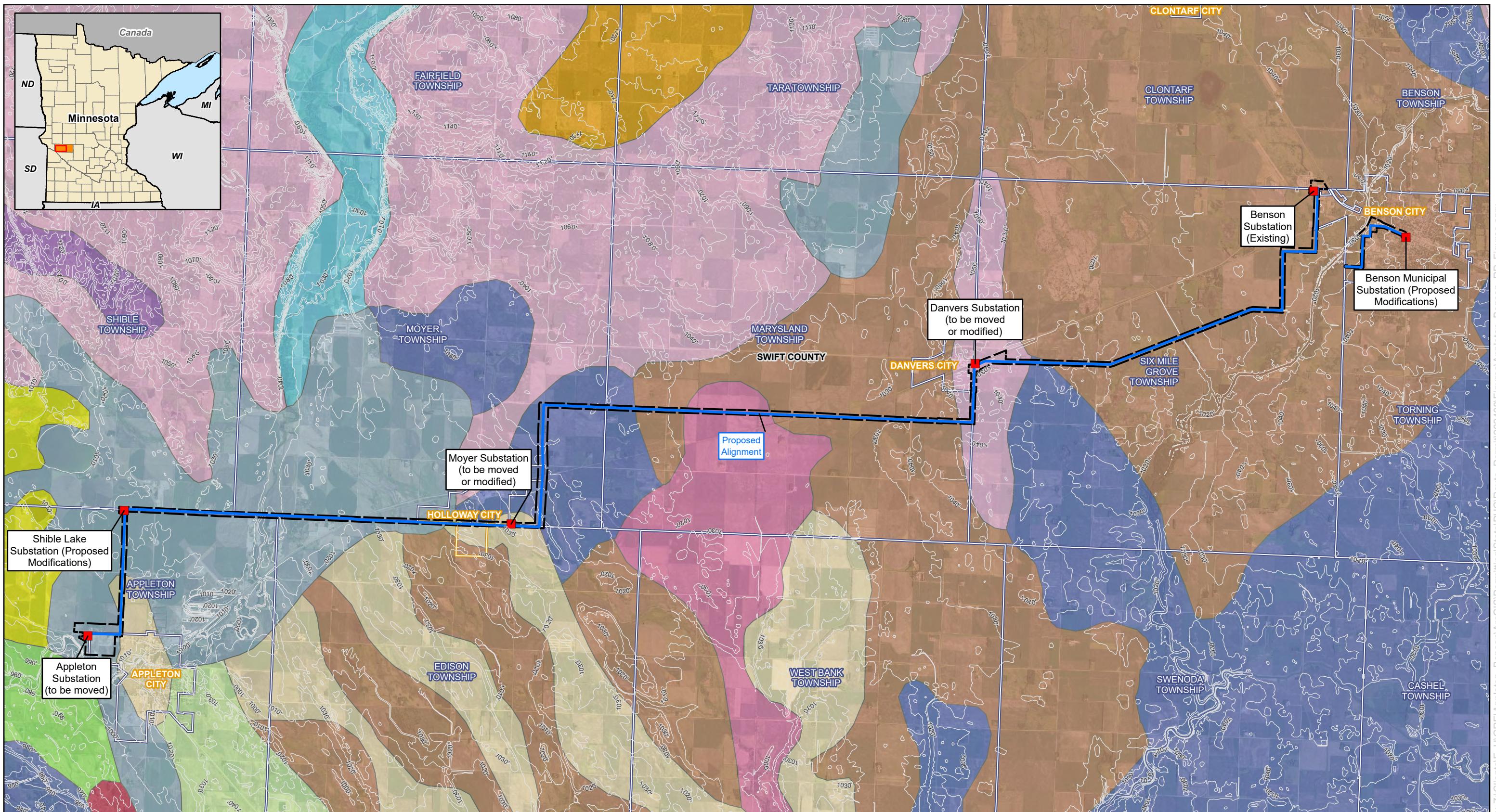
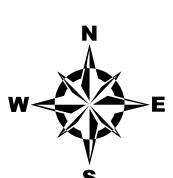


Figure 8: Soils and Topography
Appleton to Benson 115-kV Transmission Line Project
Swift County, Minnesota

0 2 Miles
1 inch = 2 miles



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Great River Energy

- City Boundary
- Township Boundary
- County Boundary
- Proposed Route
- 10' Contour

Parnell-Hamerly-Aazdahl (s3485)
Spottswood-Sioux-Renshaw (s3518)
Sverdrup-Rothsay-Egeland (s3525)
Sverdrup-Shakopee-McDonaldsville (s3528)
Langhei-Hamerly-Barnes (s3467)
Maddock-Egeland (s3520)
Marysland-Esteline-Egeland (s3534)
Tara-Parnell-Hamerly (s3519)
Tara-Spicer-Doland-Colvin (s3522)
Webster-Ves-Normanria-Canisteo (s3529)
Winger-Vallers-Hamerly (s3521)

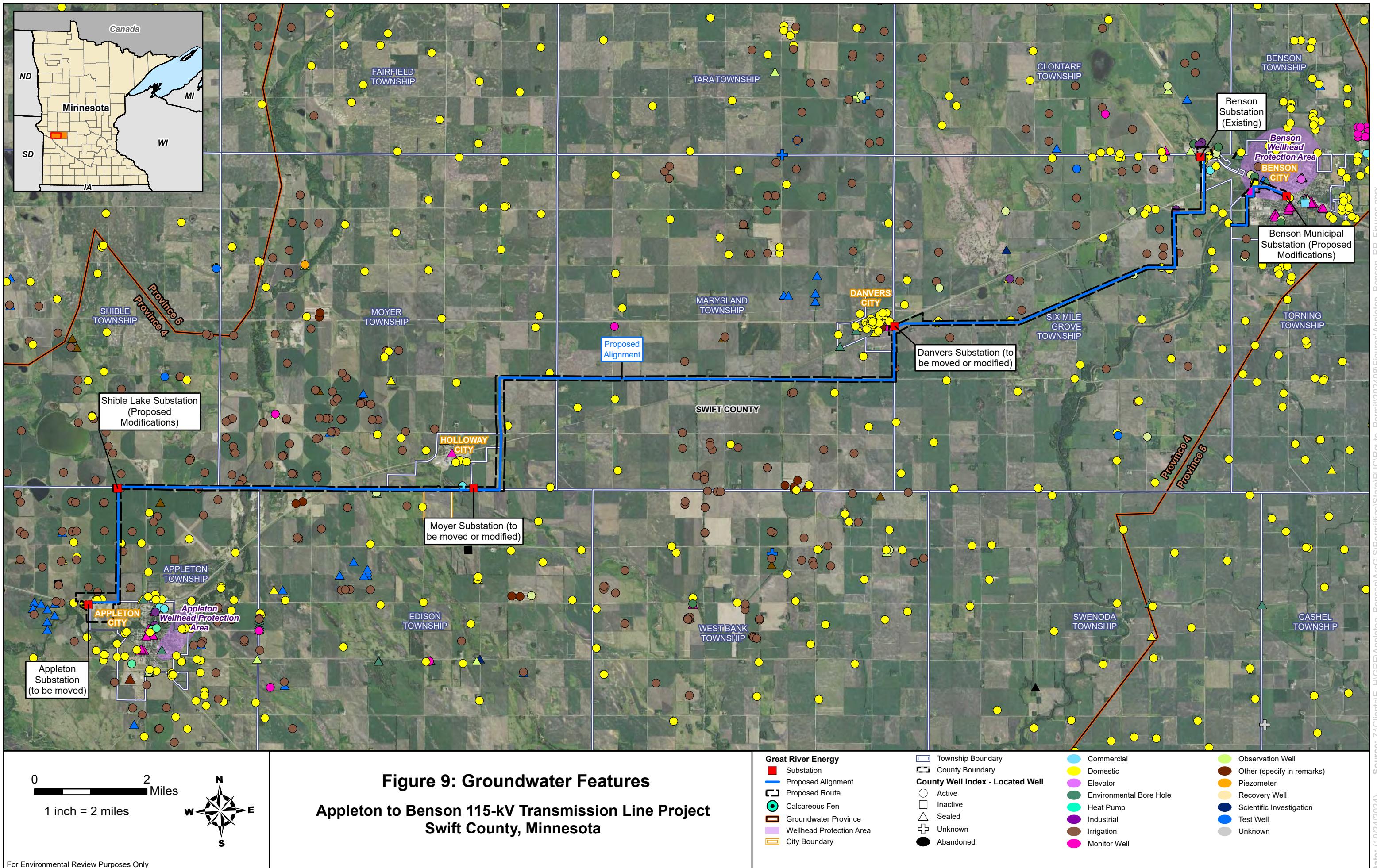


Figure 9: Groundwater Features

Appleton to Benson 115-kV Transmission Line Project Swift County, Minnesota

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Source: Z:\Clients\HGRE\Appleton Benson\ArcGIS\Permitting\State\IJC\CR\Route Permit\2020408\Figures\Appleton Benson RP Figures.arx

Date: (10/24/2024)

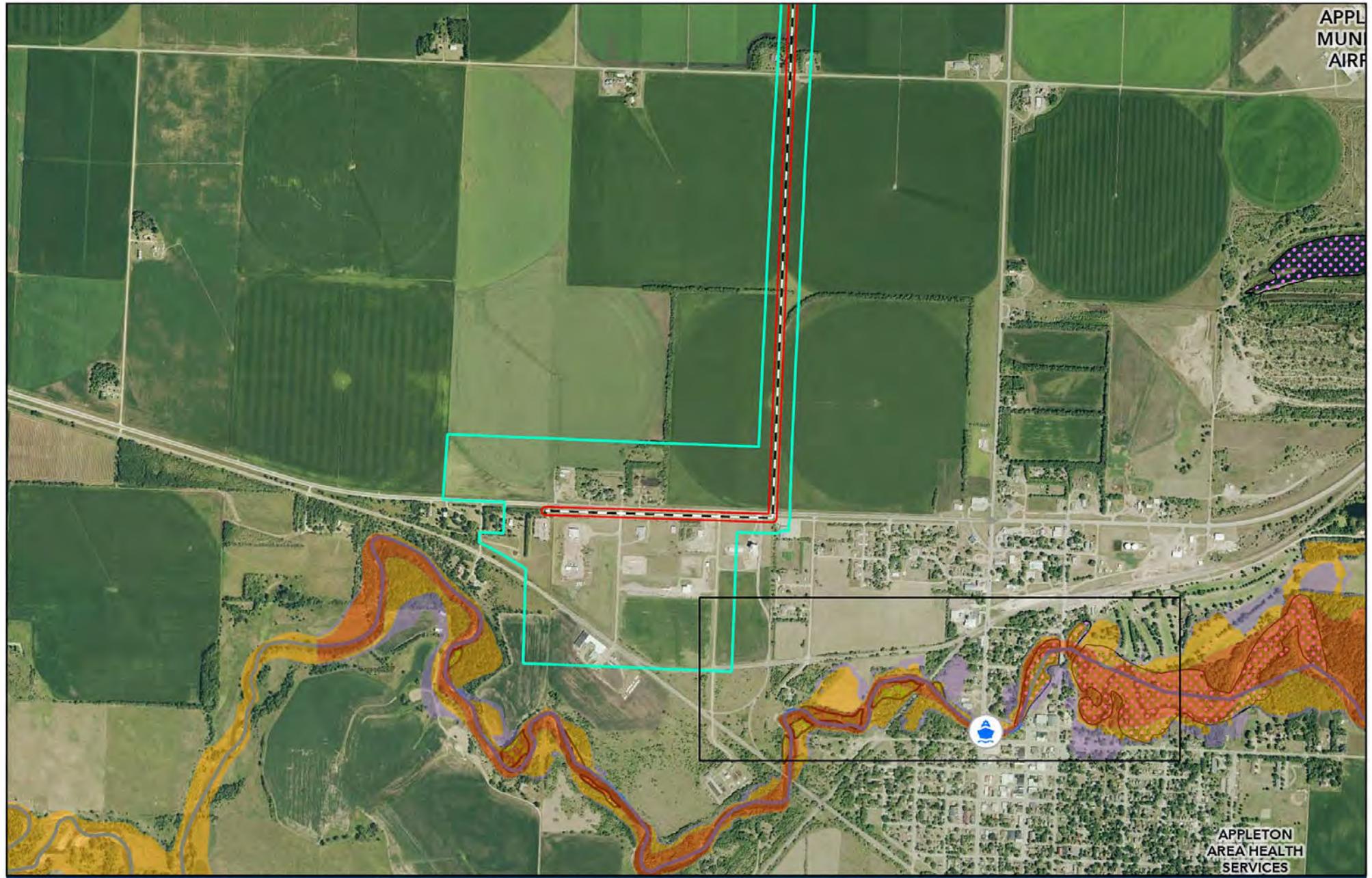
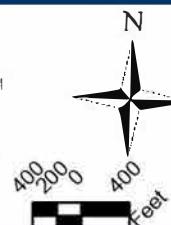


Figure 10: Surface Water Resources: Page 1 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- PWI- Watercourses (MDNR)
- PWI- Waterbodies (MDNR)

- NWI freshwater Emergent Wetland (USFWS)
- NWI Freshwater Forested/ Shrub Wetland (USFWS)
- Water Access Site
- 1% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Area with Reduced Risk Due to Levee
- 0.2% Annual Chance Flood Hazard
- Special Floodway



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Figure 10: Surface Water Resources: Page 2 of 22

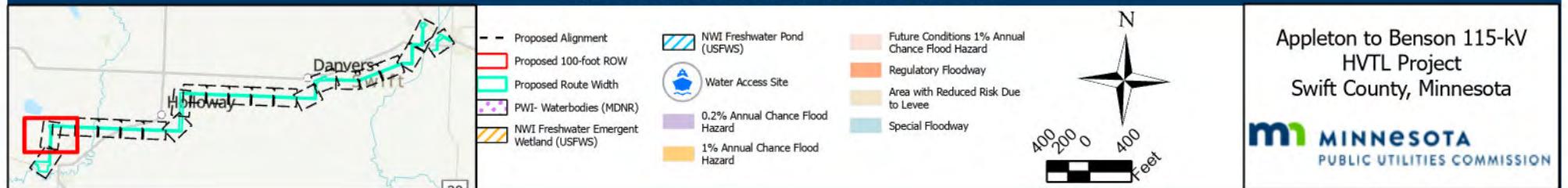
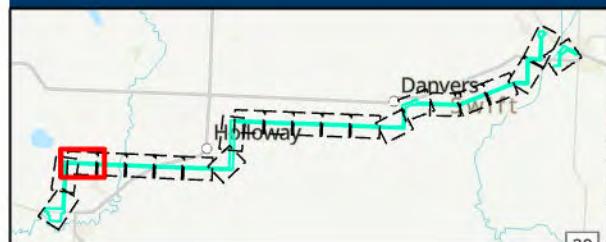




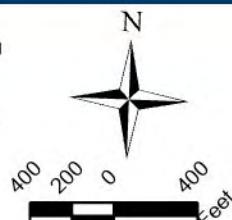
Figure 10: Surface Water Resources: Page 3 of 22



- - Proposed Alignment
 - - - Proposed 100-foot ROW
 - - - Proposed Route Width
 - - - NWI Freshwater Emergent Wetland (USFWS)
 - - - NWI Freshwater Pond (USFWS)

Water Access Site
 - - - 0.2% Annual Chance Flood Hazard
 - - - 1% Annual Chance Flood Hazard

Future Conditions 1% Annual Chance Flood Hazard
 Regulatory Floodway
 Area with Reduced Risk Due to Levee
 Special Floodway



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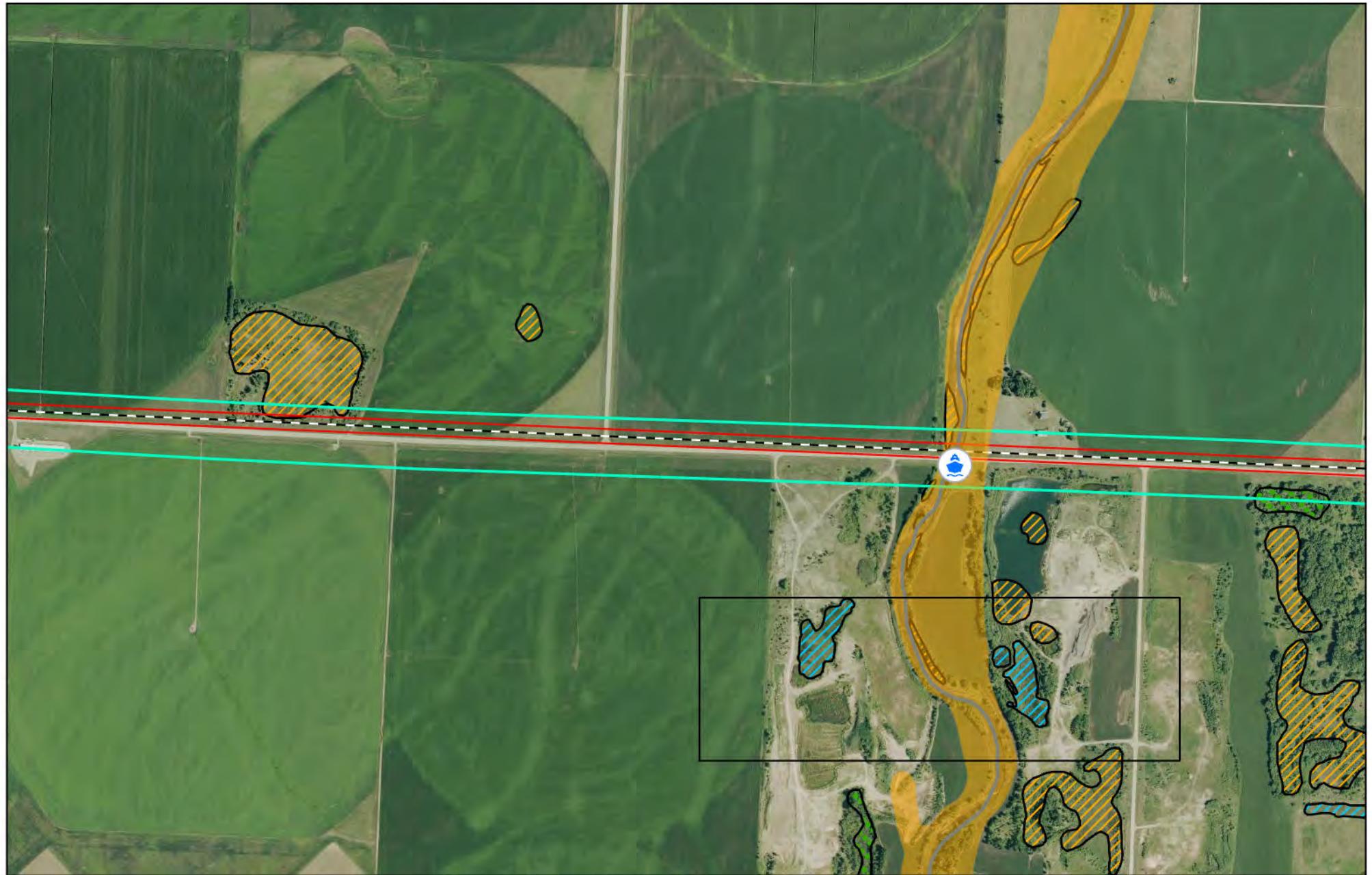
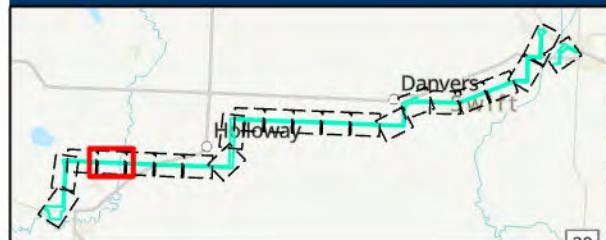


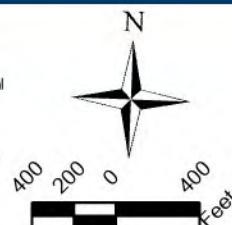
Figure 10: Surface Water Resources: Page 4 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- PWI- Watercourses (MDNR)
- NWI Freshwater Emergent Wetland (USFWS)

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- Regulatory Floodway
- Area with Reduced Risk Due to Levee
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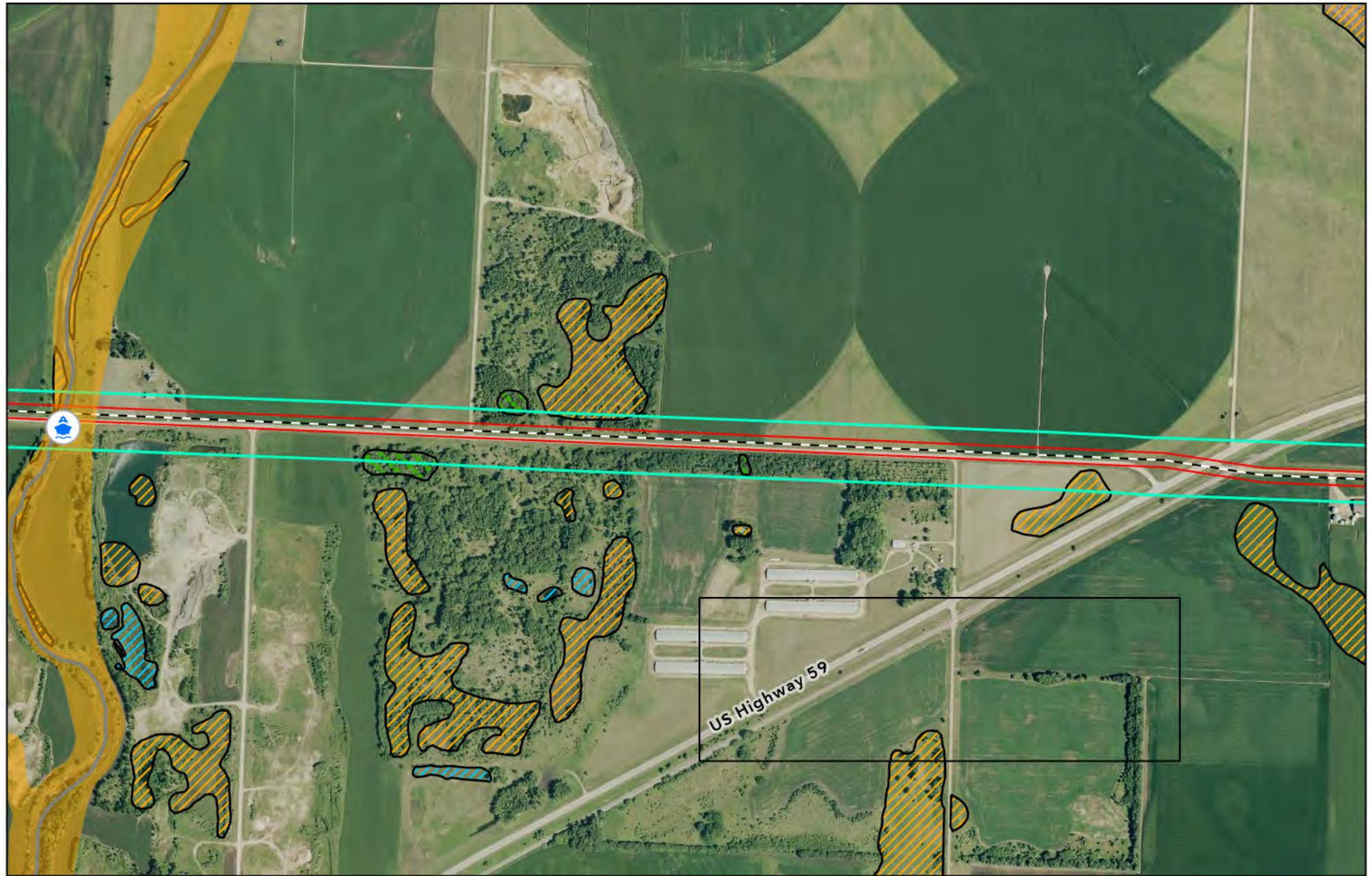
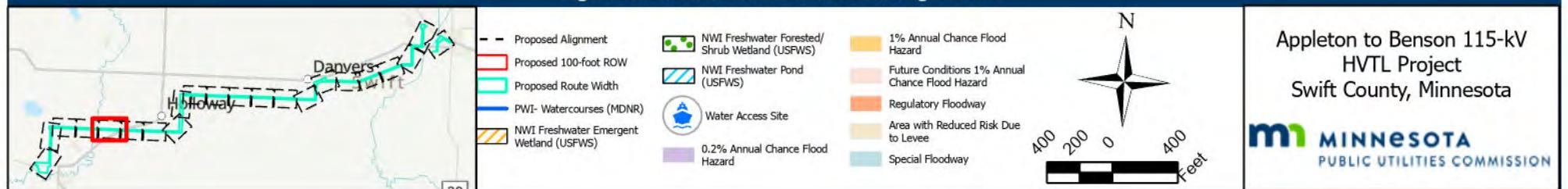


Figure 10: Surface Water Resources: Page 5 of 22



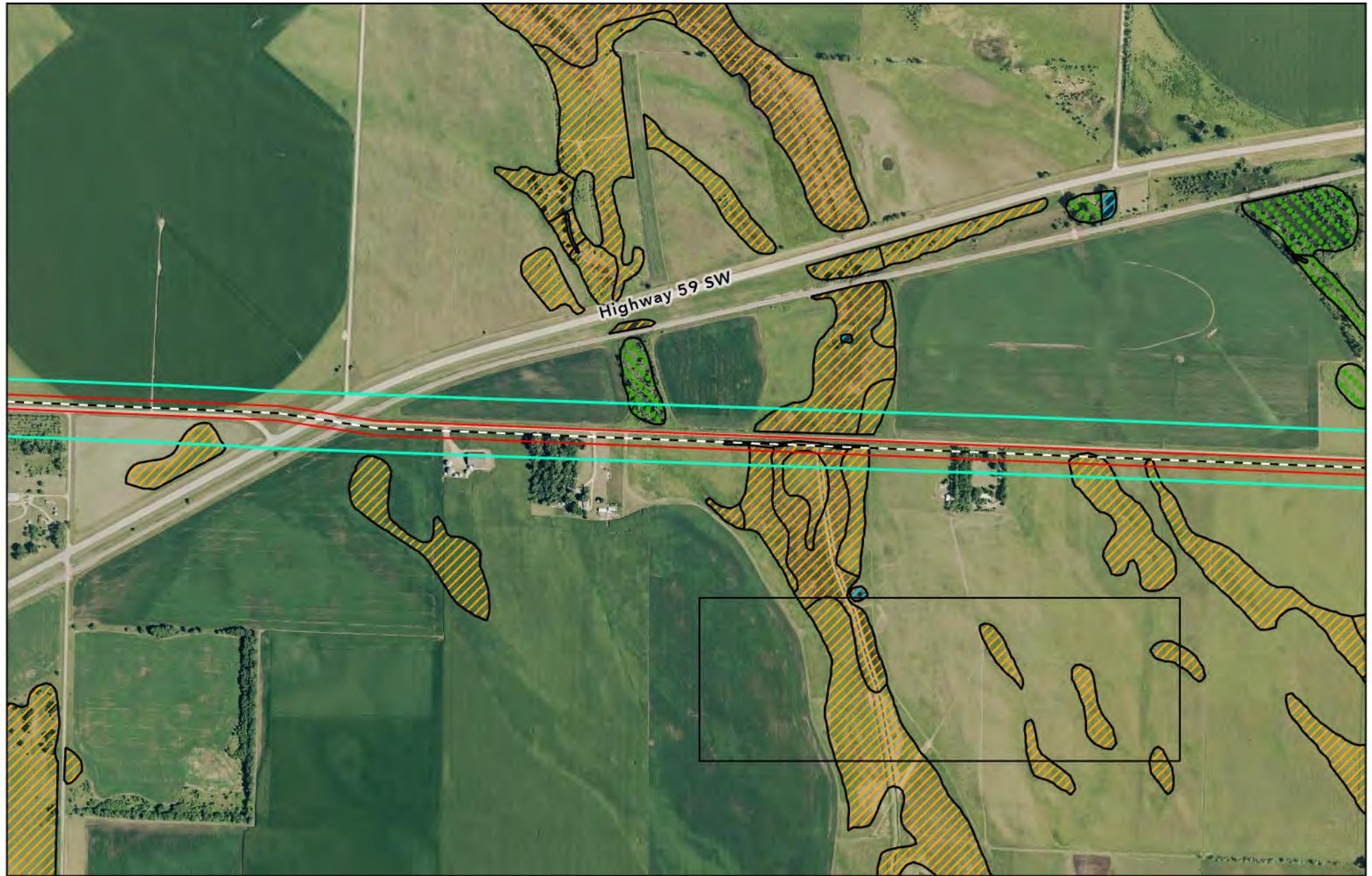


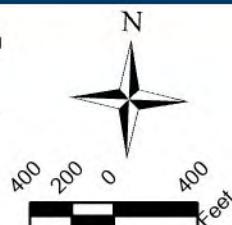
Figure 10: Surface Water Resources: Page 6 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- NWI Freshwater Emergent Wetland (USFWS)
- NWI Freshwater Forested/ Shrub Wetland (USFWS)

- NWI Freshwater Pond (USFWS)
- Water Access Site
- 0.2% Annual Chance Flood Hazard
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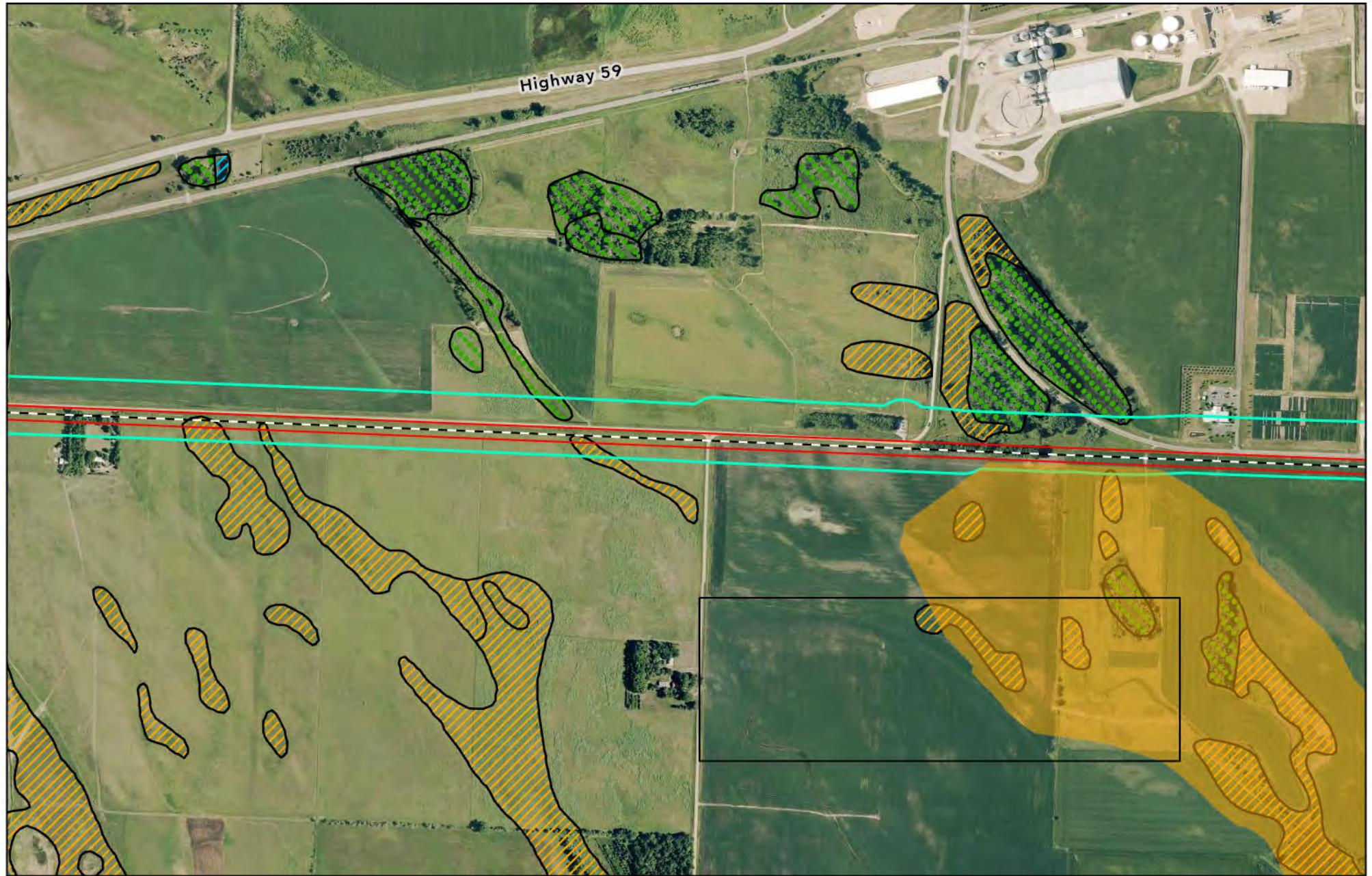
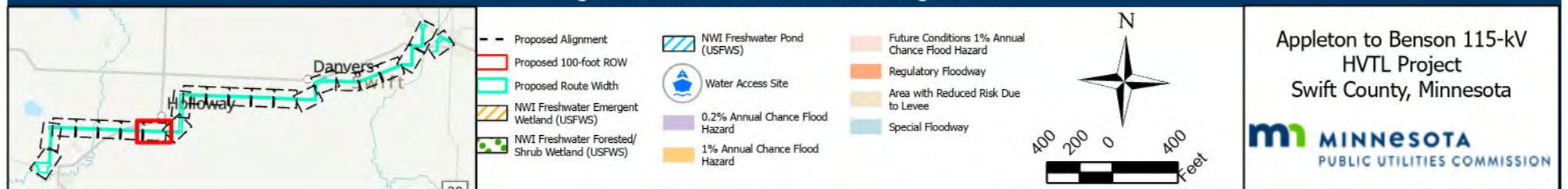


Figure 10: Surface Water Resources: Page 7 of 22



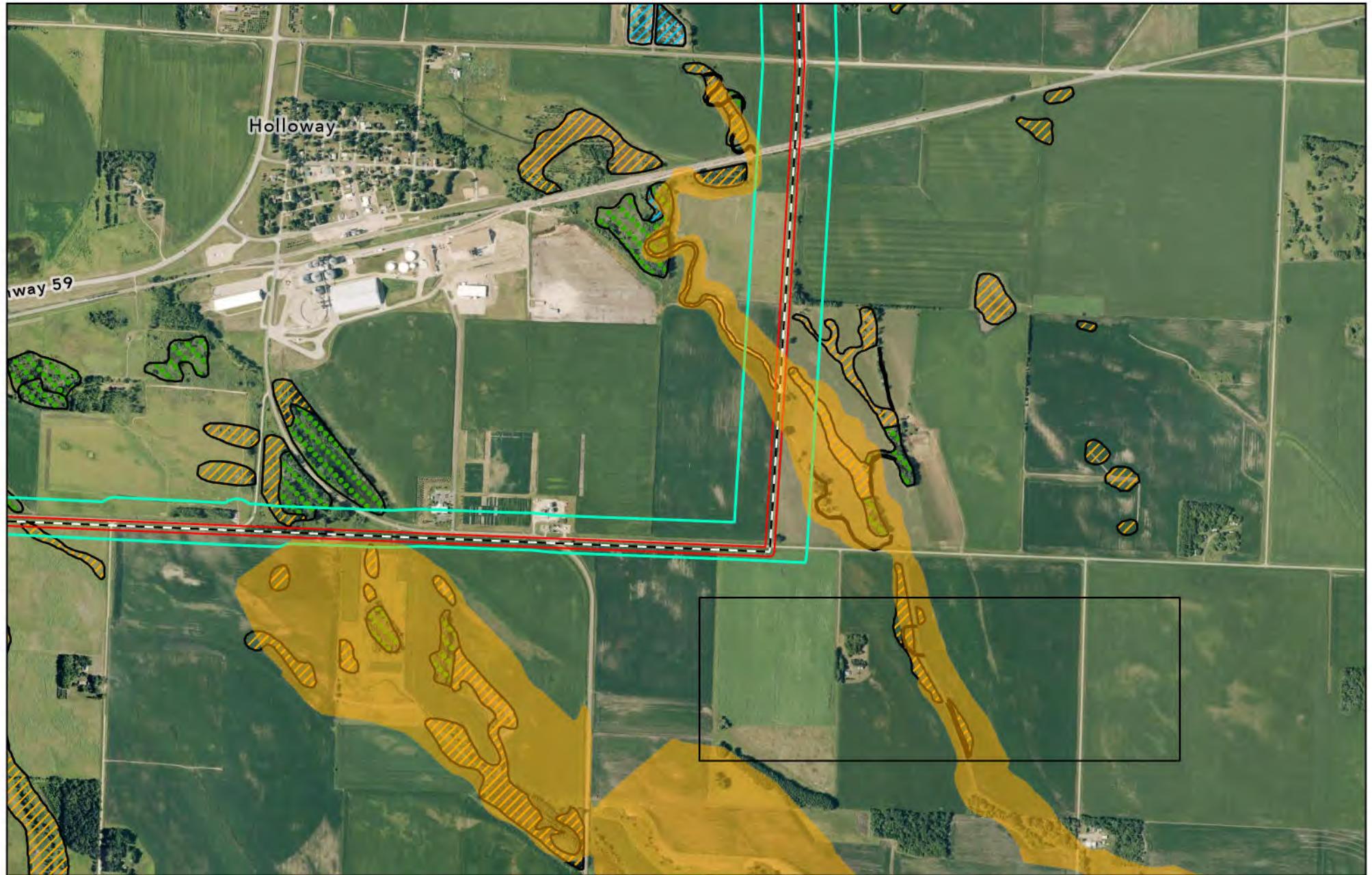
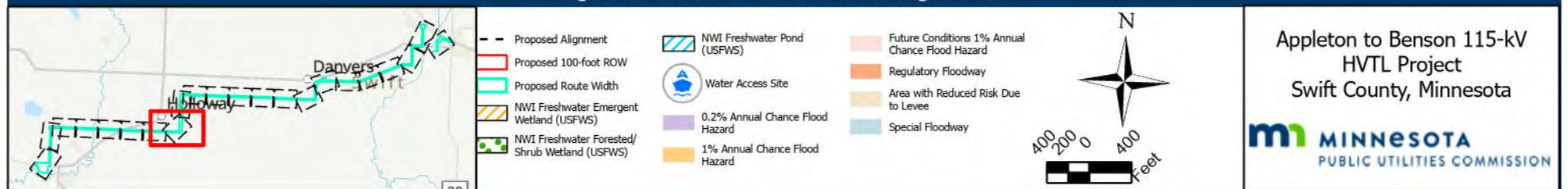


Figure 10: Surface Water Resources: Page 8 of 22



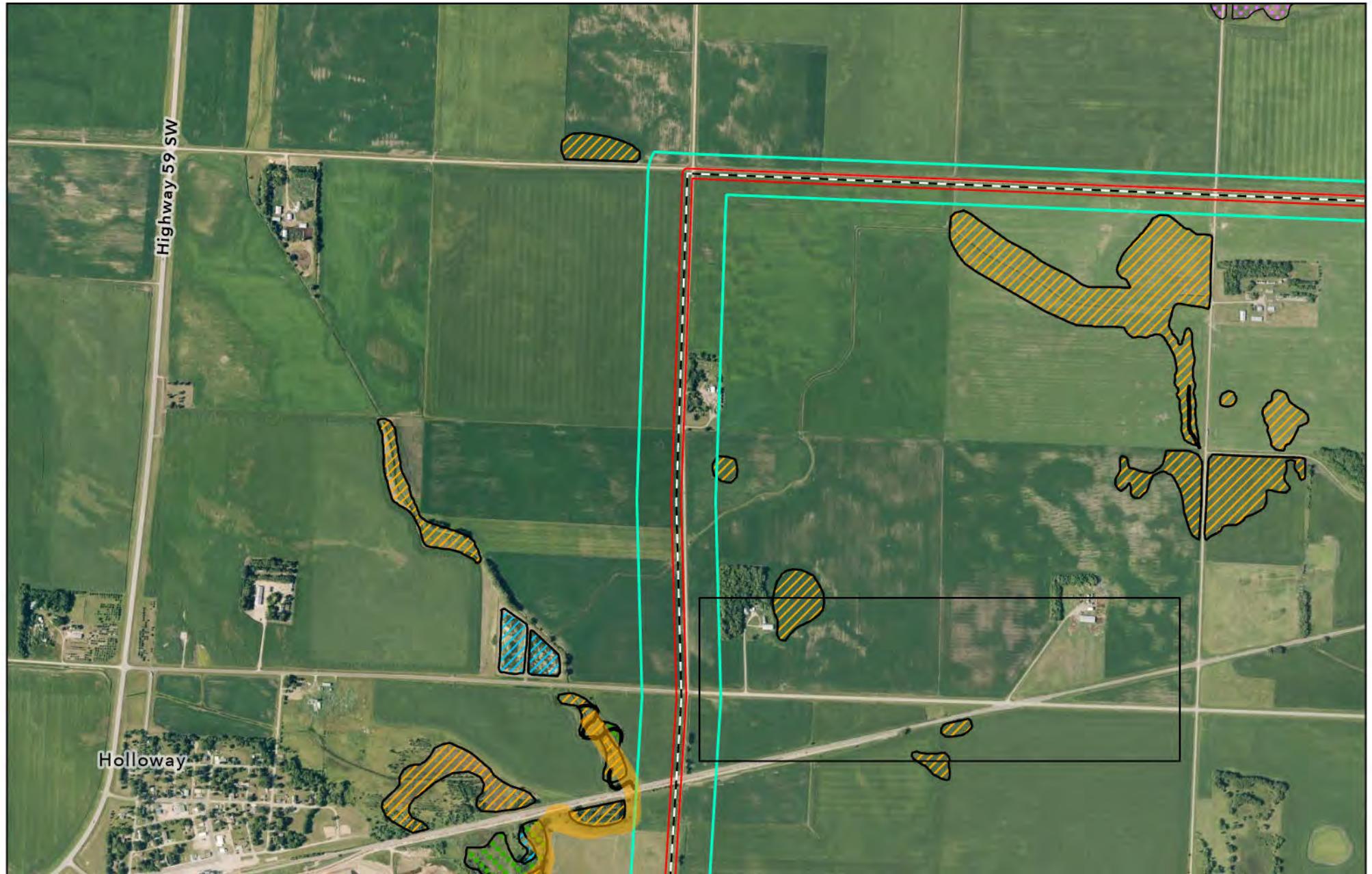


Figure 10: Surface Water Resources: Page 9 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- PWI- Waterbodies (MDNR)
- NWI Freshwater Emergent Wetland (USFWS)

- NWI Freshwater Forested/ Shrub Wetland (USFWS)
- NWI Freshwater Pond (USFWS)
- Water Access Site
- 0.2% Annual Chance Flood Hazard

- 1% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Area with Reduced Risk Due to Levee
- Special Floodway



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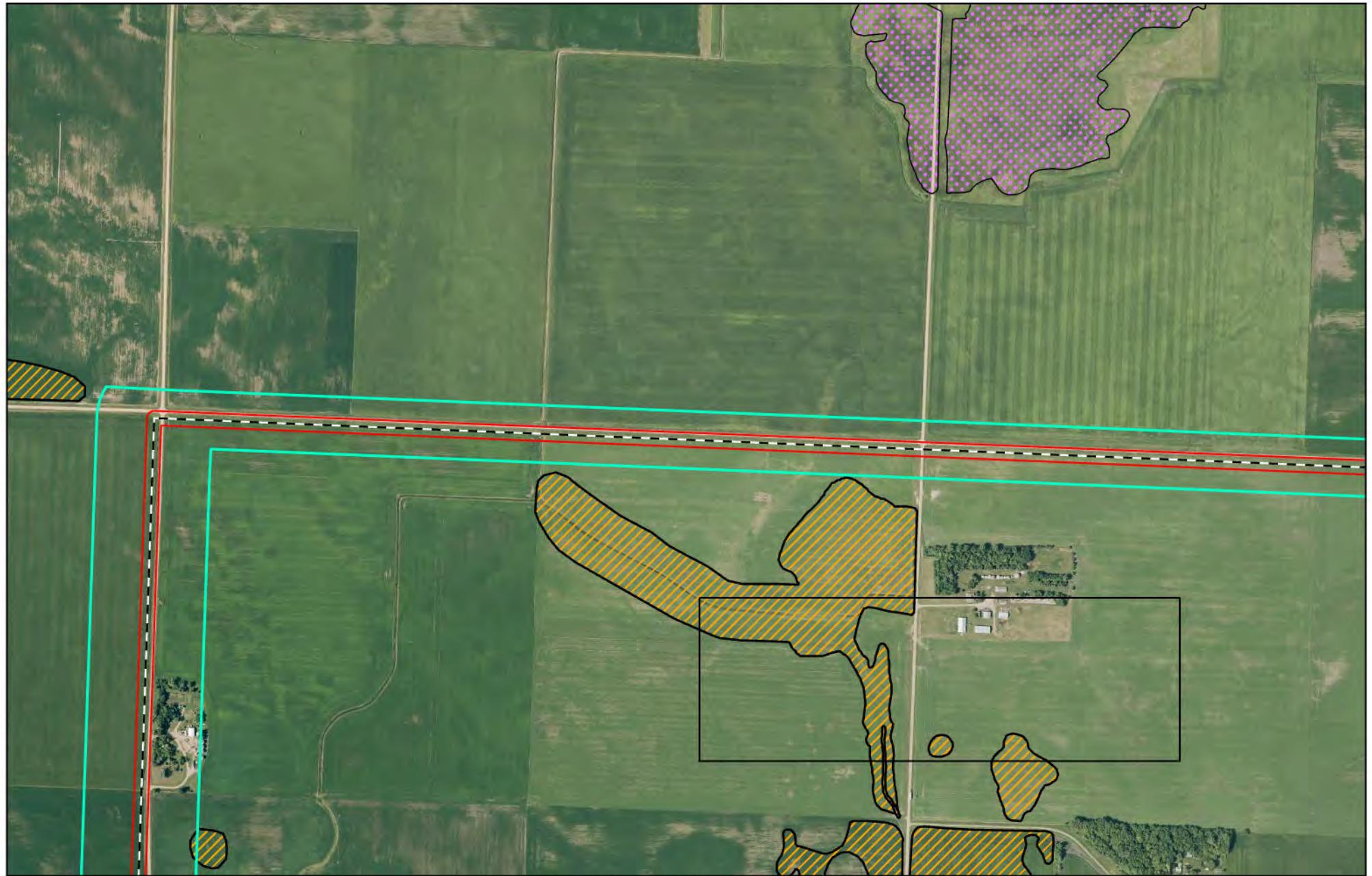


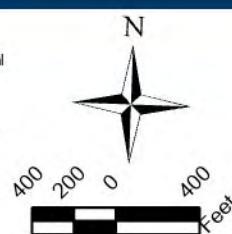
Figure 10: Surface Water Resources: Page 10 of 22



- Proposed Alignment
- Proposed 100-foot ROW
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Swift County, Minnesota

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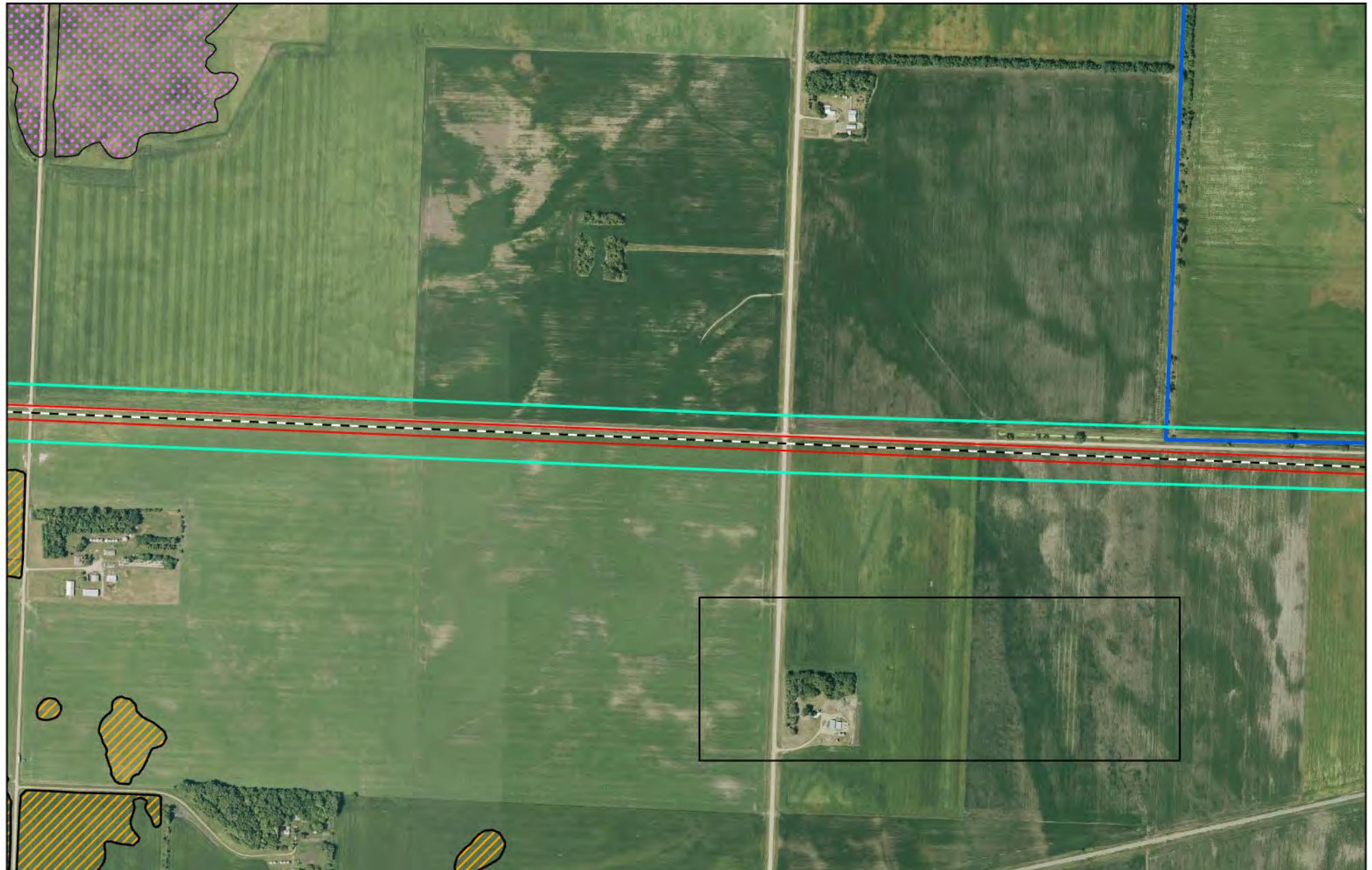


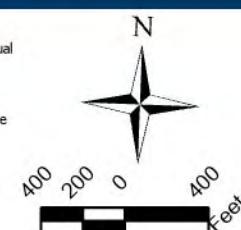
Figure 10: Surface Water Resources: Page 11 of 22



- Proposed Alignment
- Proposed 100-foot ROW
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- PWI- Watercourses (MDNR)
- PWI- Waterbodies (MDNR)

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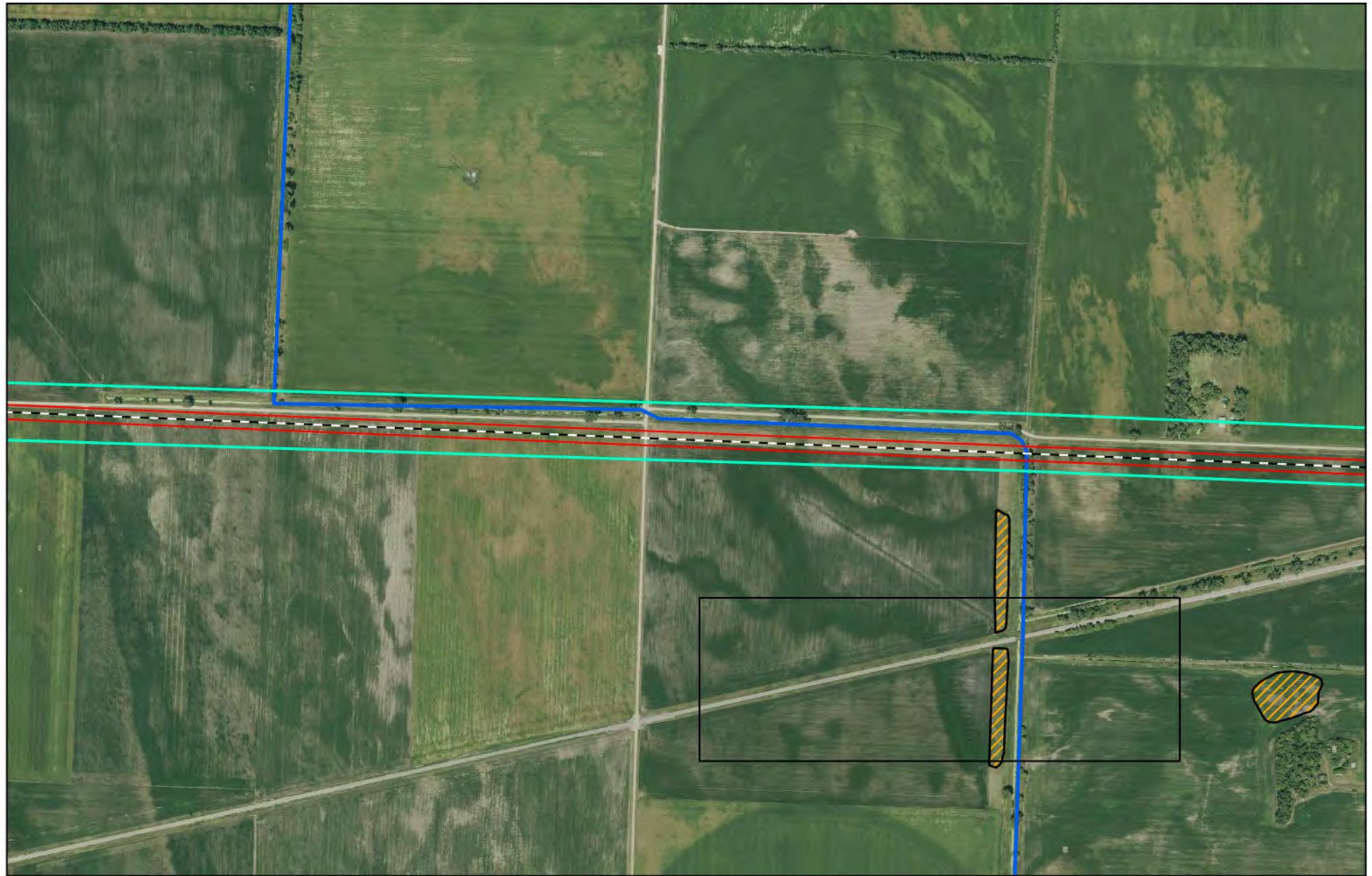
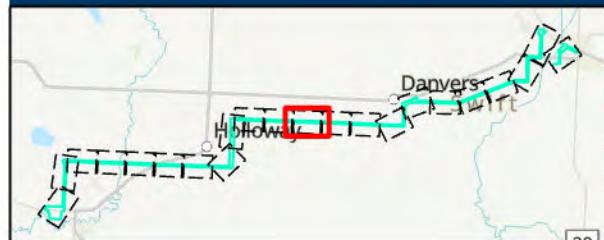


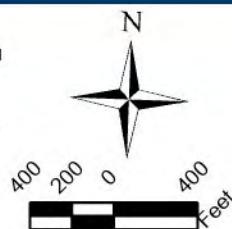
Figure 10: Surface Water Resources: Page 12 of 22



— Proposed Alignment
— Proposed 100-foot ROW
— Proposed Route Width
— PWI- Watercourses (MDNR)
— NWI Freshwater Emergent Wetland (USFWS)

Water Access Site
0.2% Annual Chance Flood Hazard
1% Annual Chance Flood Hazard

Future Conditions 1% Annual Chance Flood Hazard
Regulatory Floodway
Area with Reduced Risk Due to Levee
Special Floodway

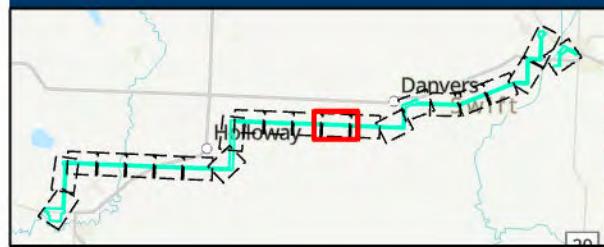


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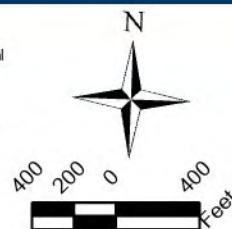
Figure 10: Surface Water Resources: Page 13 of 22



— Proposed Alignment
— Proposed 100-foot ROW
— Proposed Route Width
— PWI- Watercourses (MDNR)
— NWI Freshwater Emergent Wetland (USFWS)

Water Access Site
0.2% Annual Chance Flood Hazard
1% Annual Chance Flood Hazard

Future Conditions 1% Annual Chance Flood Hazard
Regulatory Floodway
Area with Reduced Risk Due to Levee
Special Floodway

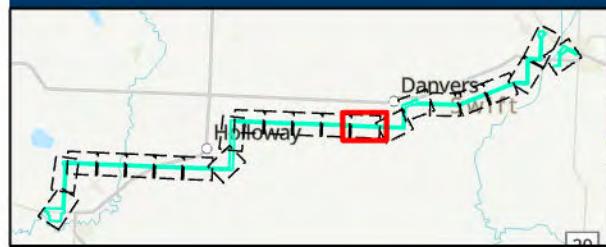


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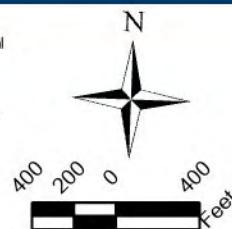
Figure 10: Surface Water Resources: Page 14 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- PWI- Watercourses (MDNR)
- NWI Freshwater Emergent Wetland (USFWS)

- NWI Freshwater Forested/ Shrub Wetland (USFWS)
- Water Access Site
- 0.2% Annual Chance Flood Hazard
- 1% Annual Chance Flood Hazard

- Future Conditions 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Area with Reduced Risk Due to Levee
- Special Floodway



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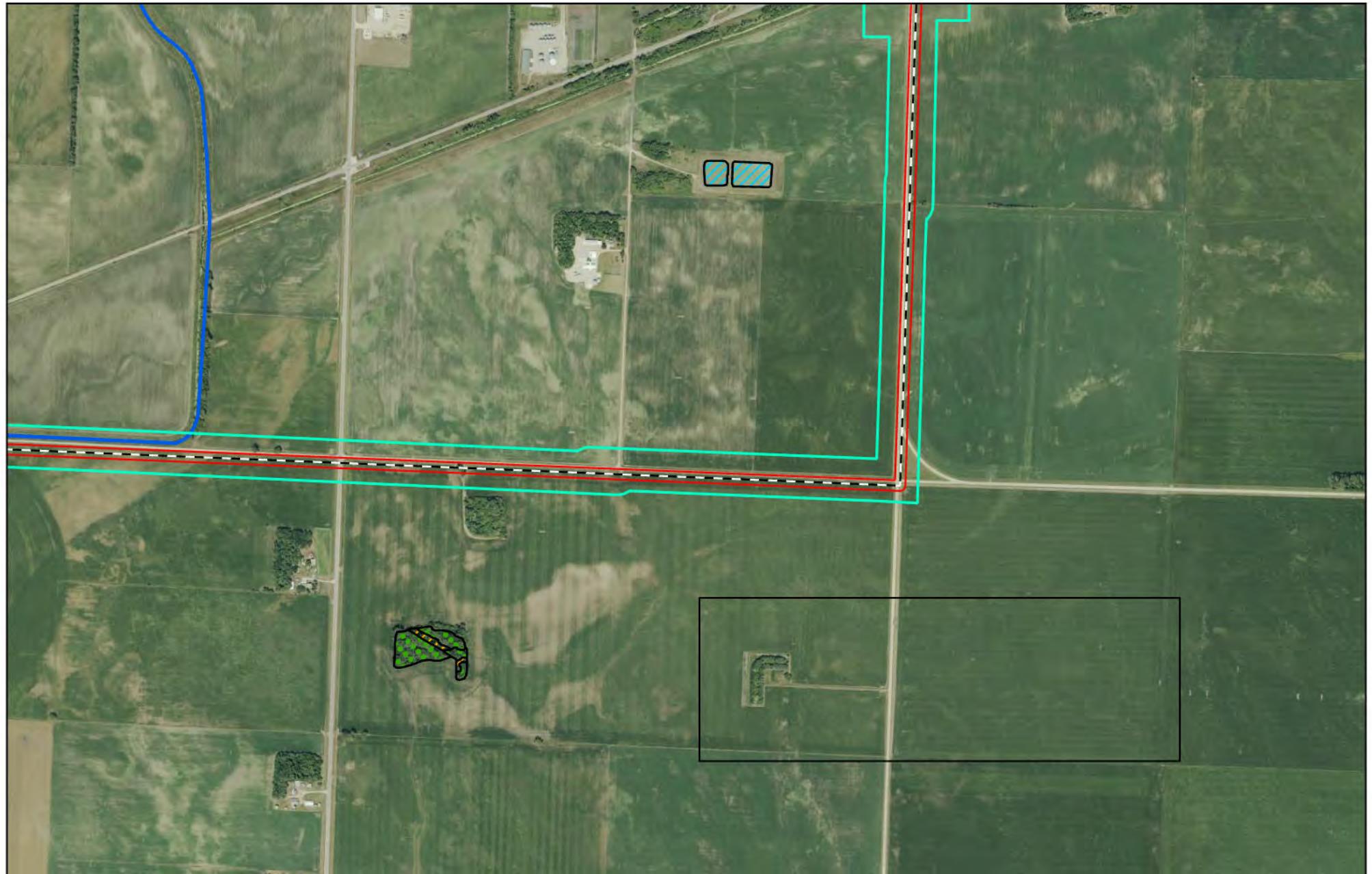
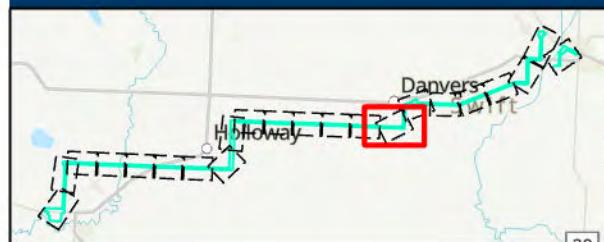


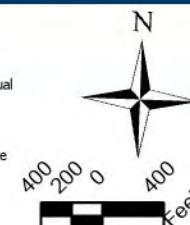
Figure 10: Surface Water Resources: Page 15 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- PWI- Watercourses (MDNR)
- NWI Freshwater Emergent Wetland (USFWS)

- NWI Freshwater Forested/ Shrub Wetland (USFWS)
- NWI Freshwater Pond (USFWS)
- Water Access Site
- 0.2% Annual Chance Flood Hazard

- 1% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Area with Reduced Risk Due to Levee
- Special Floodway

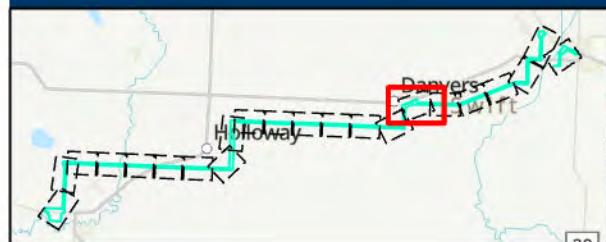


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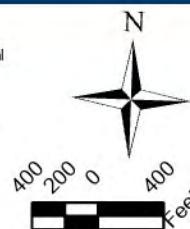


Figure 10: Surface Water Resources: Page 16 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- PWI- Waterbodies (MDNR)
- NWI Freshwater Pond (USFWS)

- Water Access Site
- 0.2% Annual Chance Flood Hazard
- 1% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Area with Reduced Risk Due to Levee
- Special Floodway



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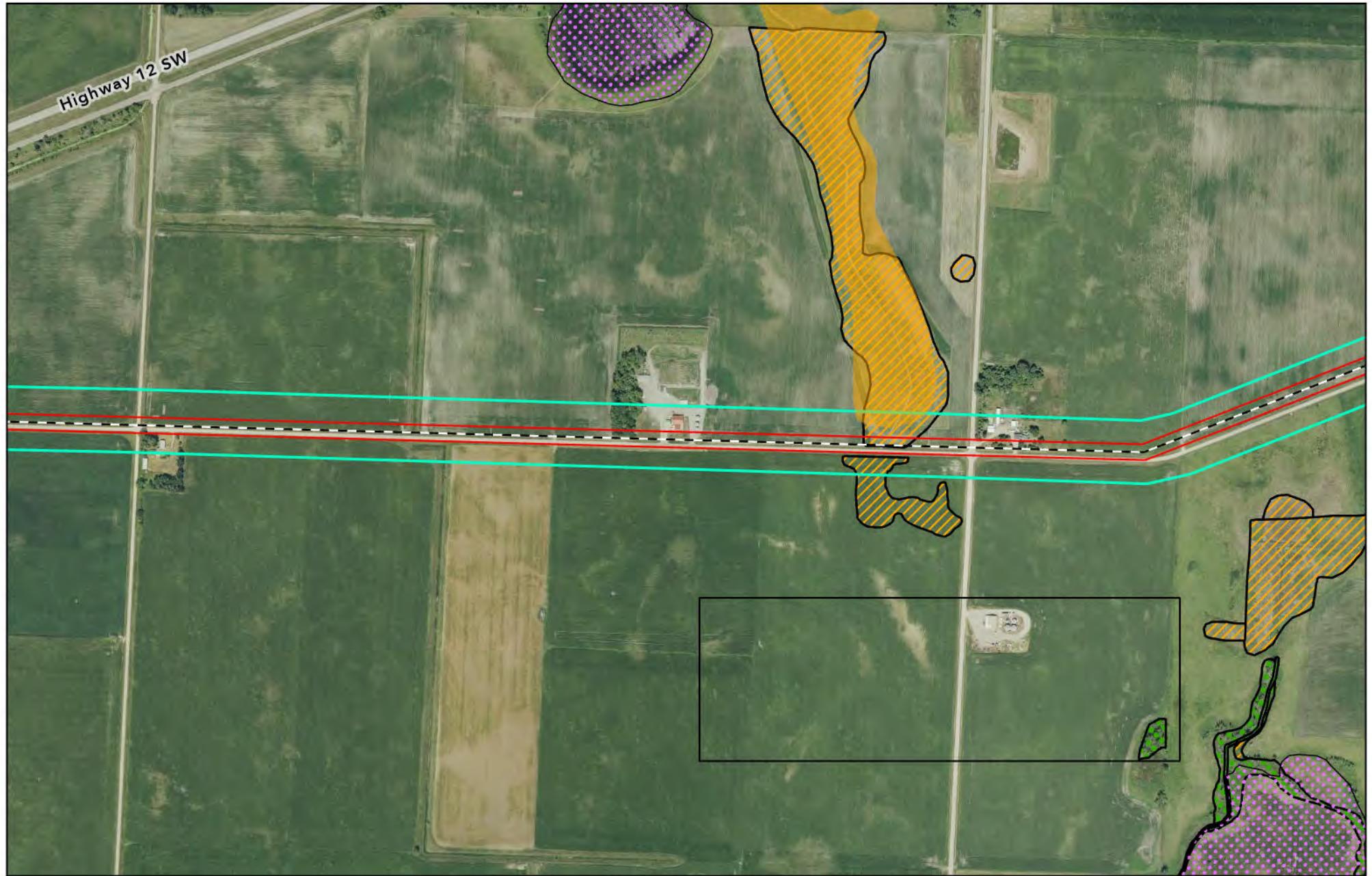
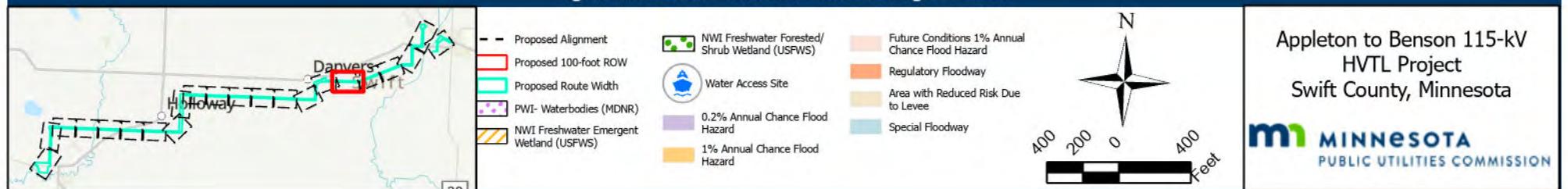


Figure 10: Surface Water Resources: Page 17 of 22



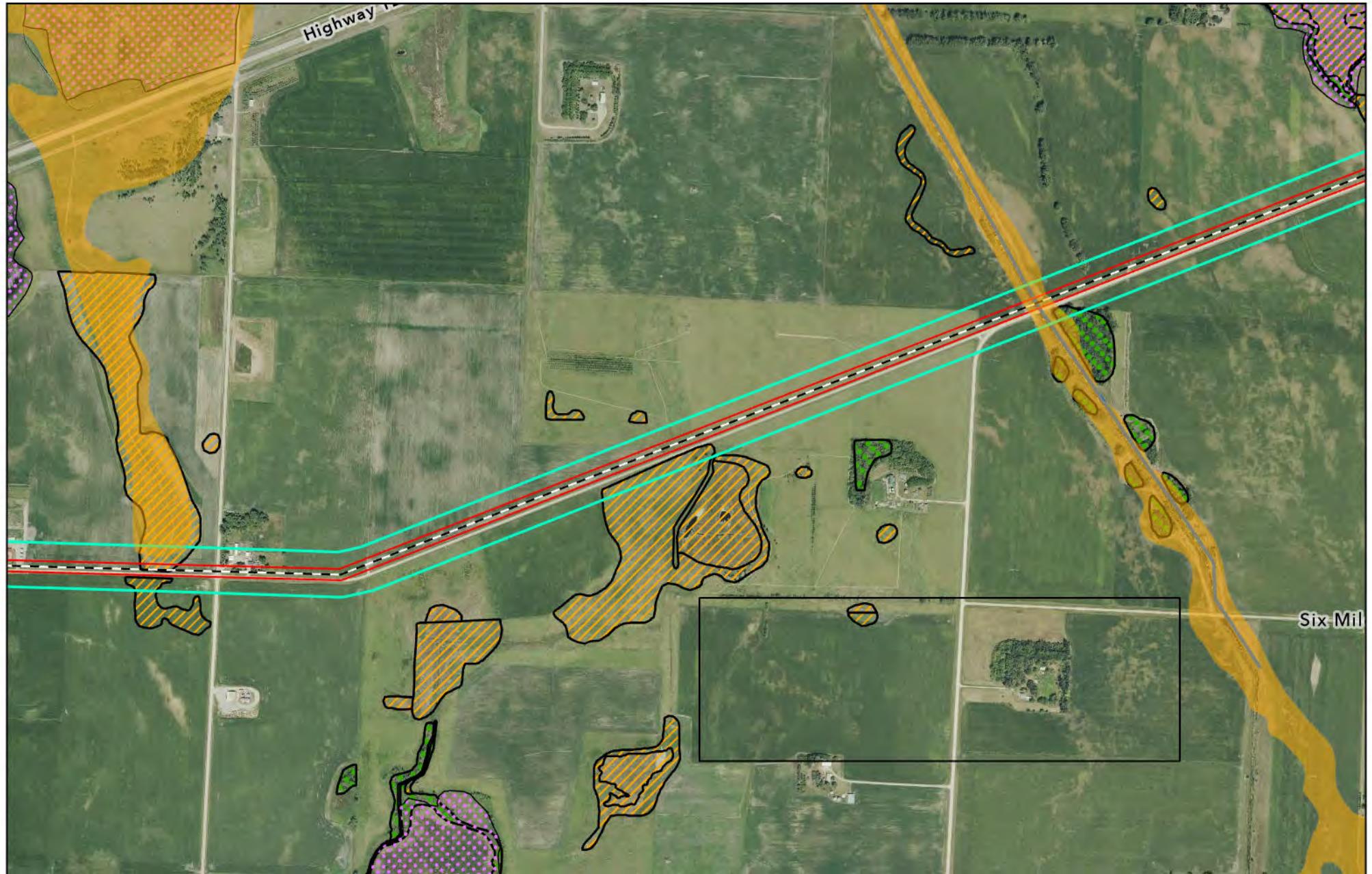
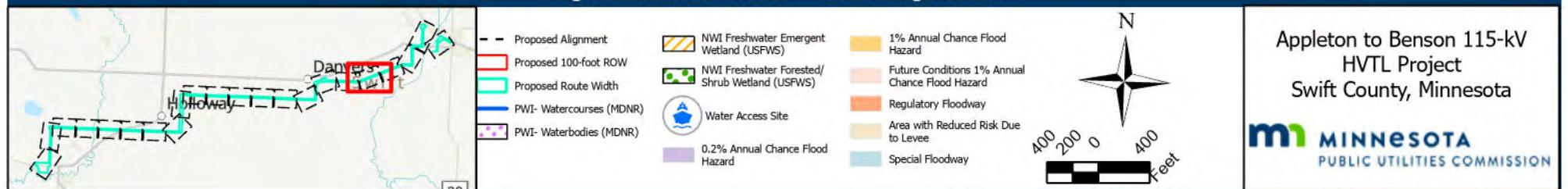


Figure 10: Surface Water Resources: Page 18 of 22



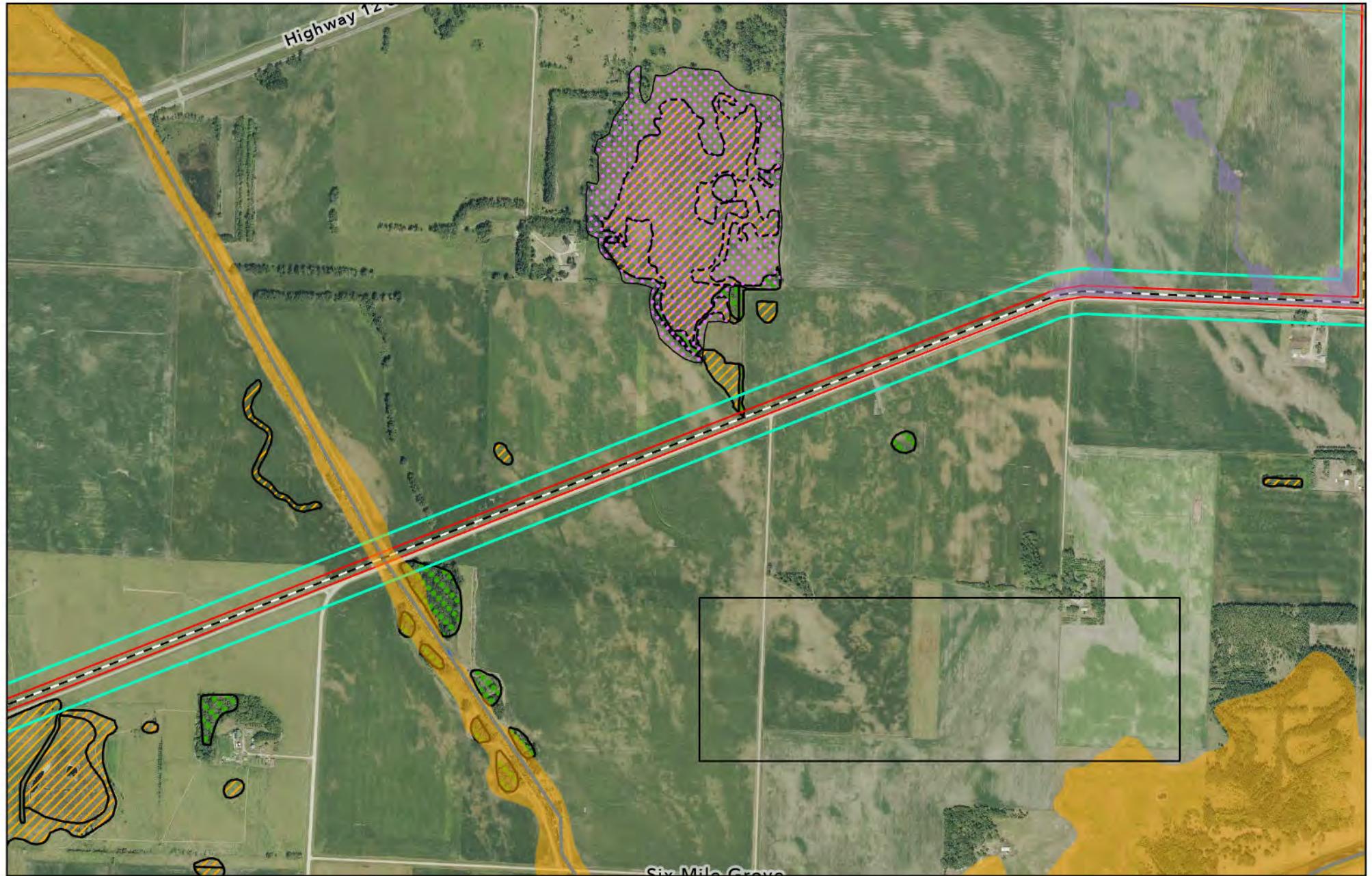
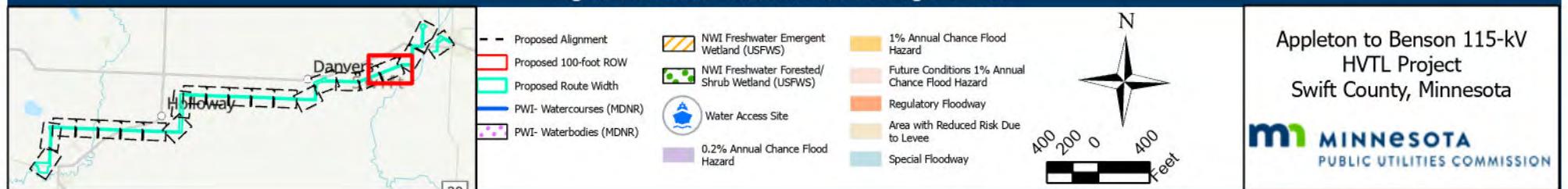


Figure 10: Surface Water Resources: Page 19 of 22



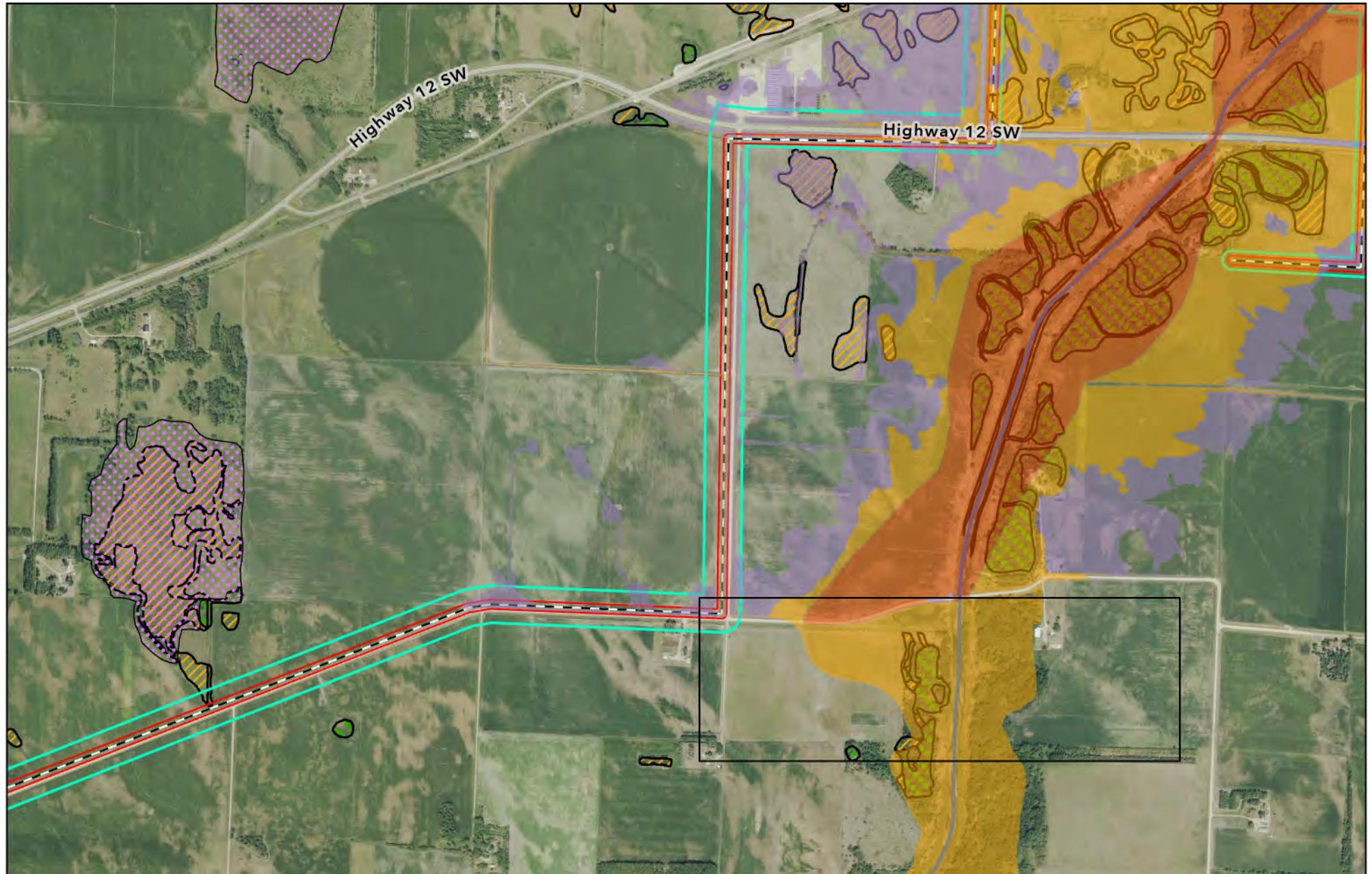
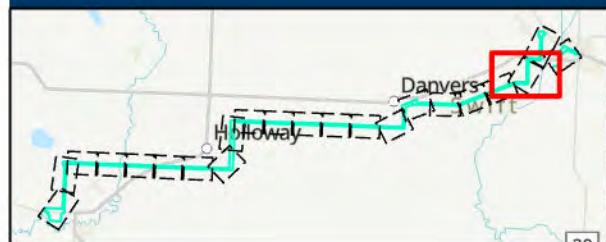


Figure 10: Surface Water Resources: Page 20 of 22



- - Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- PWI- Watercourses (MDNR)
- PWI- Waterbodies (MDNR)
- NWI Freshwater Emergent Wetland (USFWS)

- NWI Freshwater Forested/ Shrub Wetland (USFWS)
- NWI Freshwater Pond (USFWS)
- Water Access Site
- 0.2% Annual Chance Flood Hazard

- 1% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Area with Reduced Risk Due to Levee
- Special Floodway



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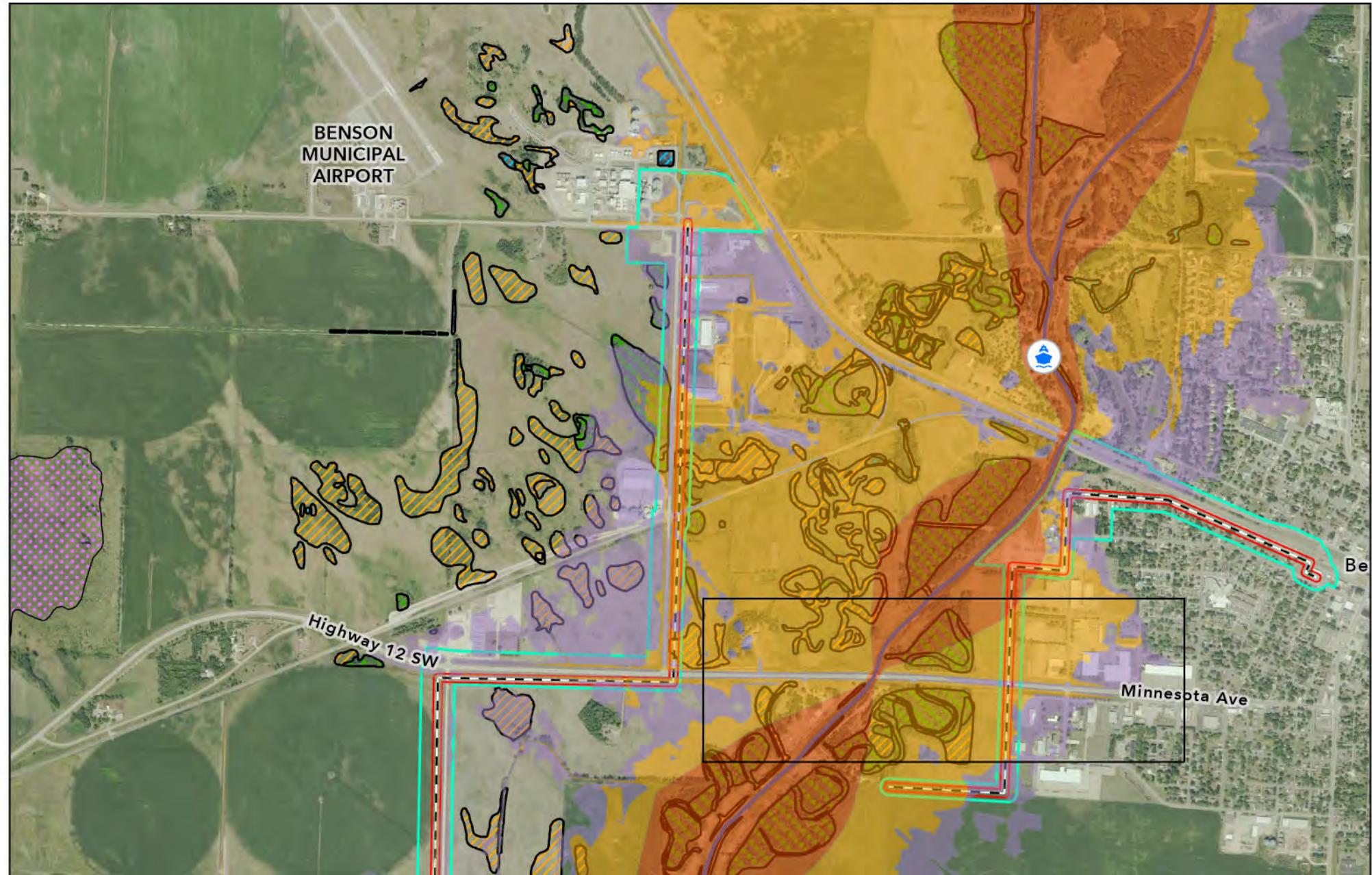
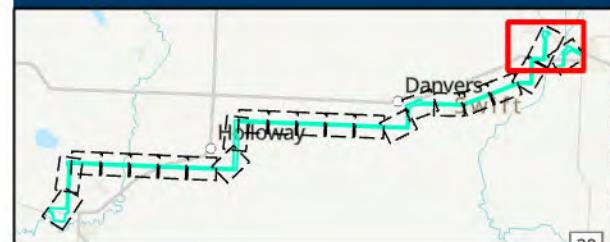


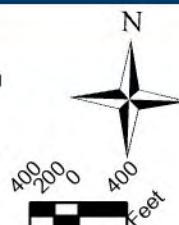
Figure 10: Surface Water Resources: Page 21 of 22



- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width
- PWI- Watercourses (MDNR)
- PWI- Waterbodies (MDNR)
- NWI Freshwater Emergent Wetland (USFWS)

- NWI Freshwater Forested/ Shrub Wetland (USFWS)
- NWI Freshwater Pond (USFWS)
- Water Access Site
- 0.2% Annual Chance Flood Hazard

- 1% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Area with Reduced Risk Due to Levee
- Special Floodway



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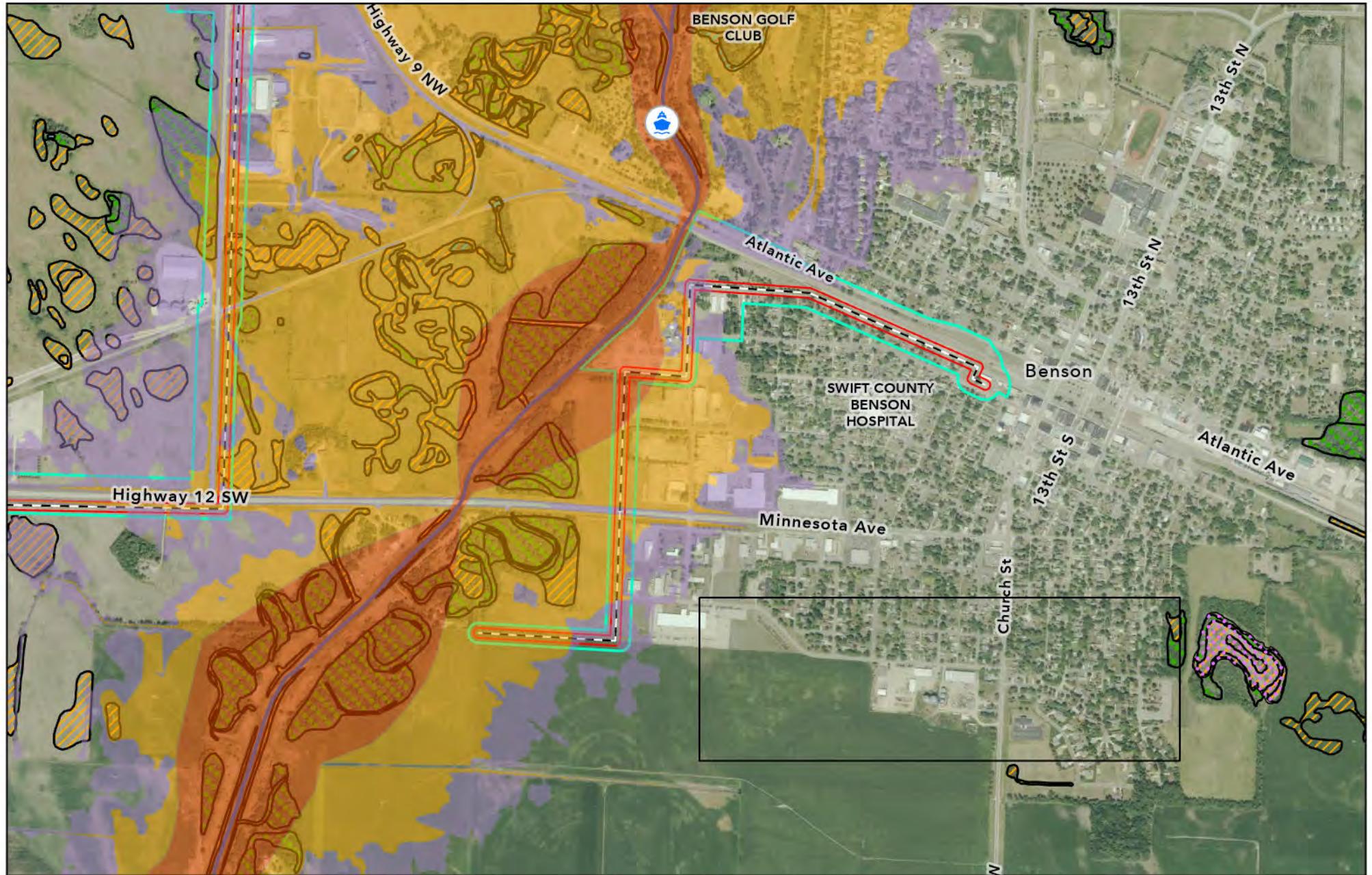
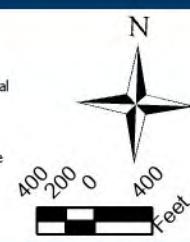
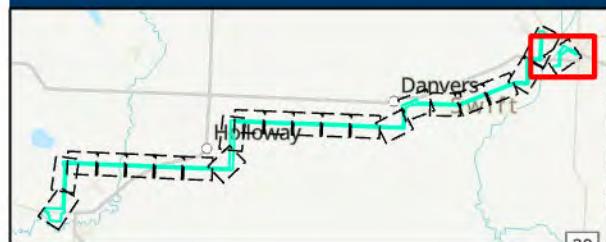


Figure 10: Surface Water Resources: Page 22 of 22

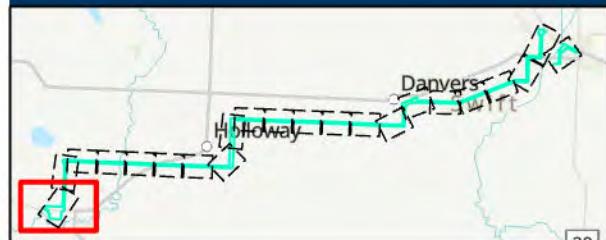


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Figure 11: Mining and Forestry Resources: Page 1 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



600 300 0 600
Feet

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Figure 11: Mining and Forestry Resources: Page 2 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



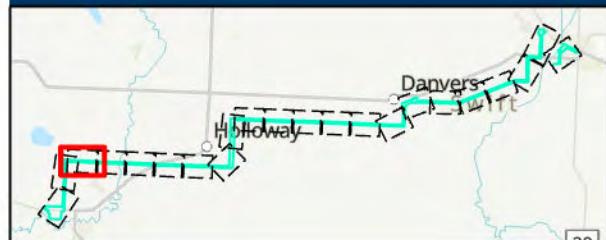
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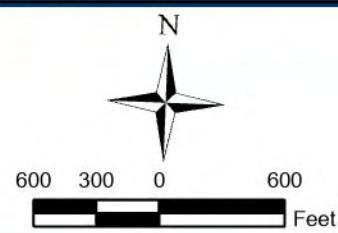


Figure 11: Mining and Forestry Resources: Page 3 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

- - Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width

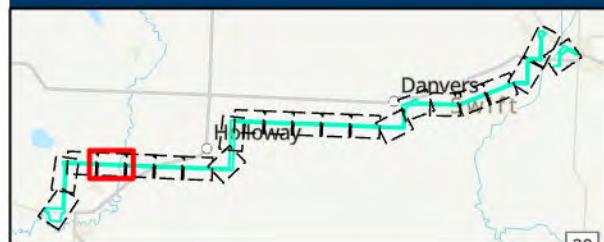


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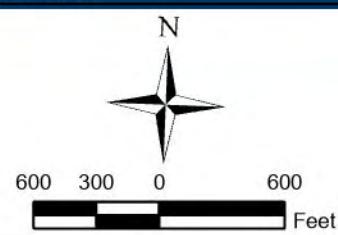
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Figure 11: Mining and Forestry Resources: Page 4 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site
- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width

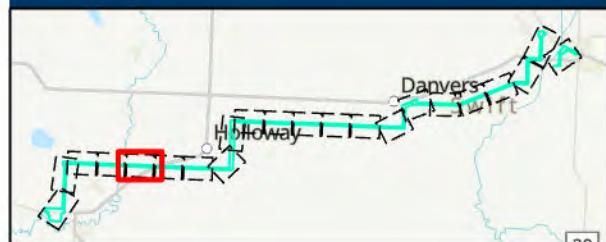


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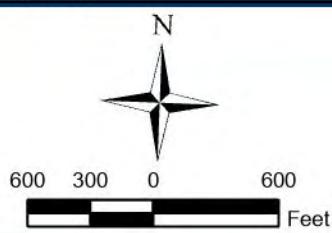


Figure 11: Mining and Forestry Resources: Page 5 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width

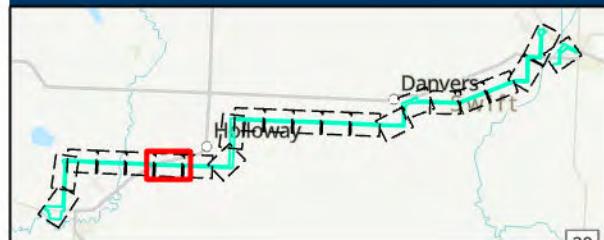


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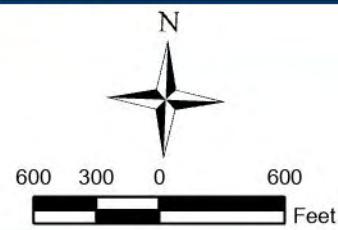
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Figure 11: Mining and Forestry Resources: Page 6 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site
- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width

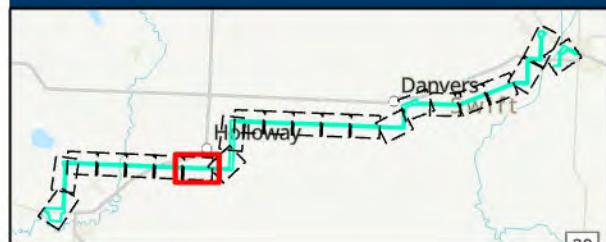


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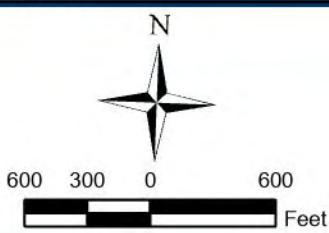


Figure 11: Mining and Forestry Resources: Page 7 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

— Proposed Alignment
— Proposed 100-foot ROW
— Proposed Route Width

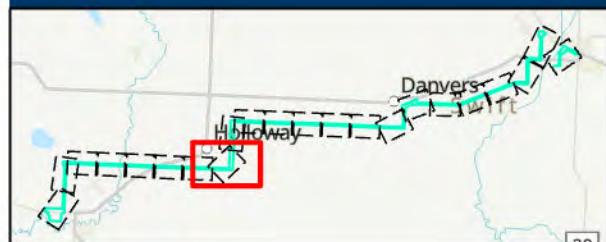


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Figure 11: Mining and Forestry Resources: Page 8 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



600 300 0 600
Feet

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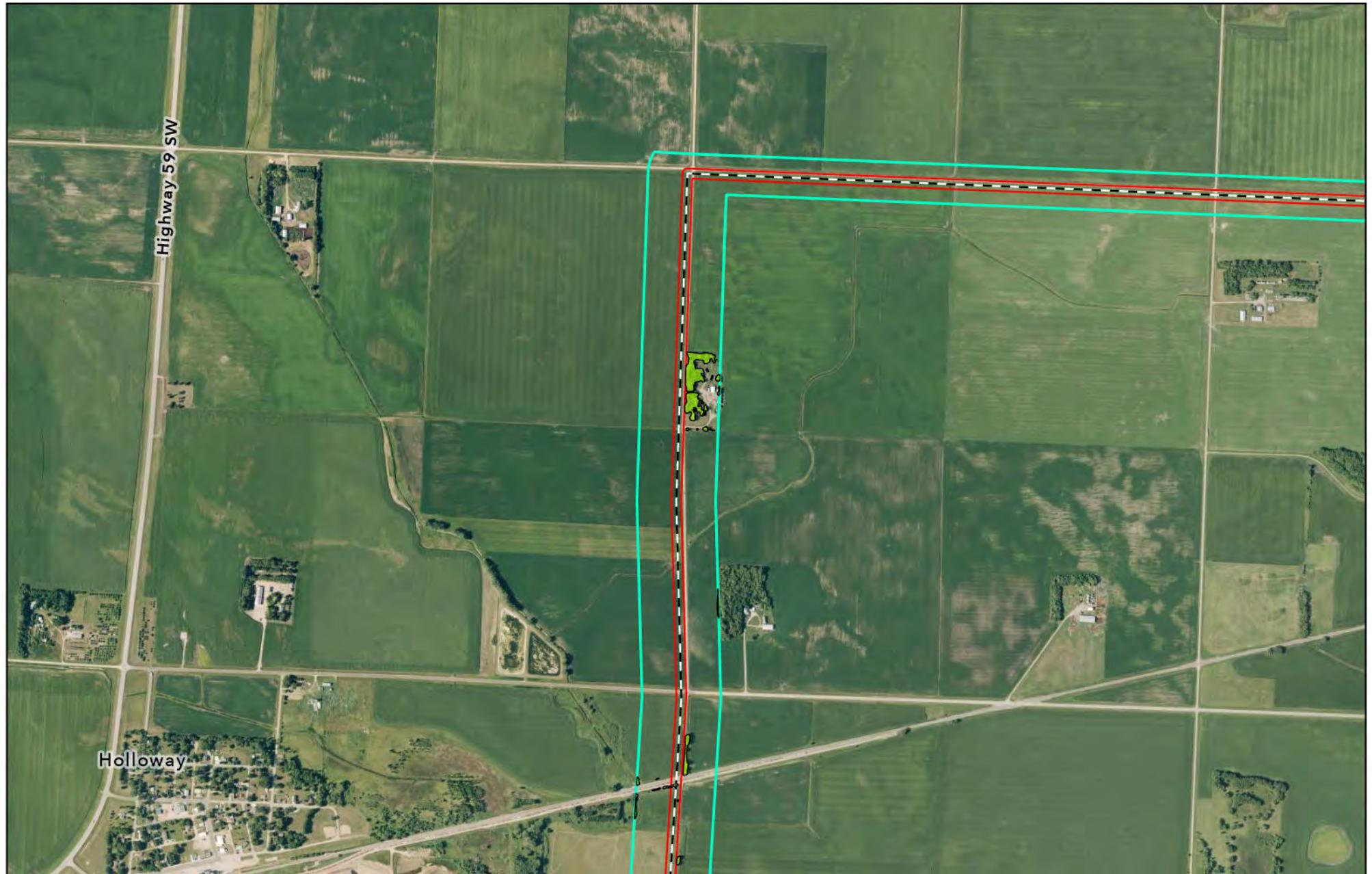
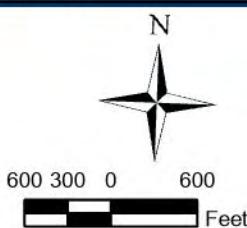


Figure 11: Mining and Forestry Resources: Page 9 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

— Proposed Alignment
— Proposed 100-foot ROW
— Proposed Route Width

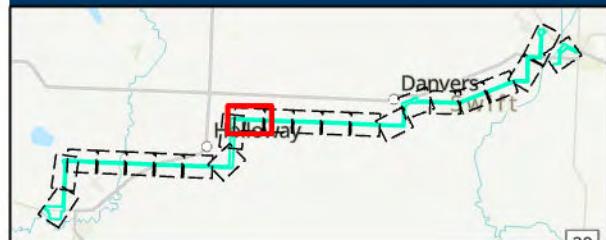


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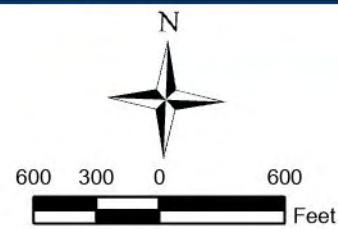


Figure 11: Mining and Forestry Resources: Page 10 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

— Proposed Alignment
— Proposed 100-foot ROW
— Proposed Route Width



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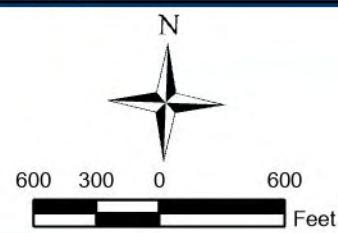


Figure 11: Mining and Forestry Resources: Page 11 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



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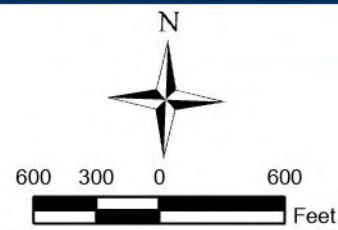


Figure 11: Mining and Forestry Resources: Page 12 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

— Proposed Alignment
— Proposed 100-foot ROW
— Proposed Route Width

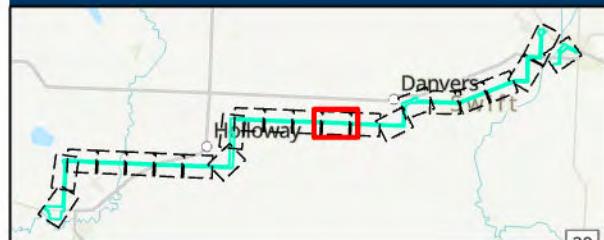


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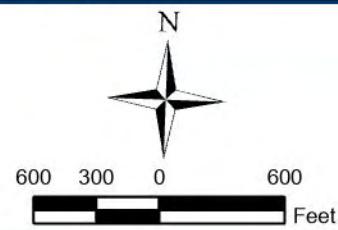


Figure 11: Mining and Forestry Resources: Page 13 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

— Proposed Alignment
— Proposed 100-foot ROW
— Proposed Route Width

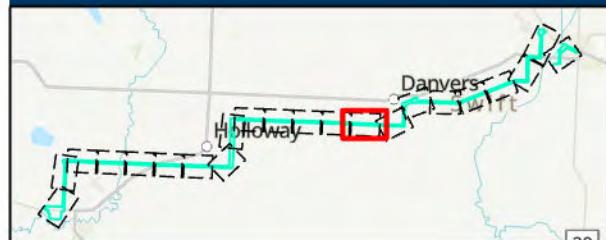


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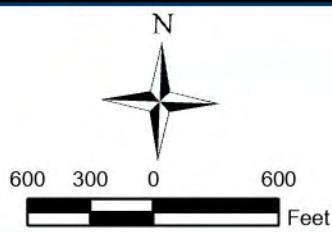


Figure 11: Mining and Forestry Resources: Page 14 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

— Proposed Alignment
— Proposed 100-foot ROW
— Proposed Route Width



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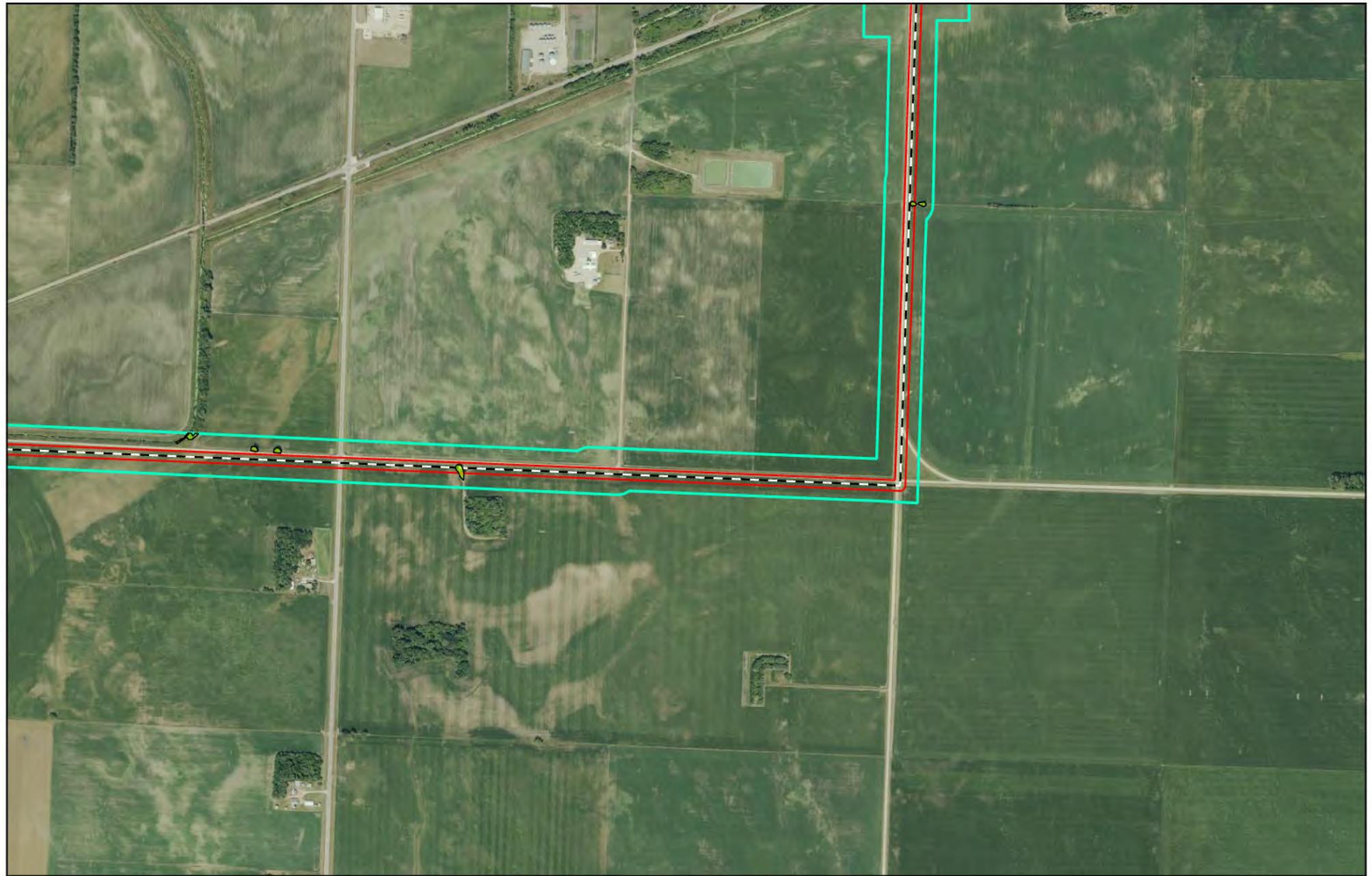
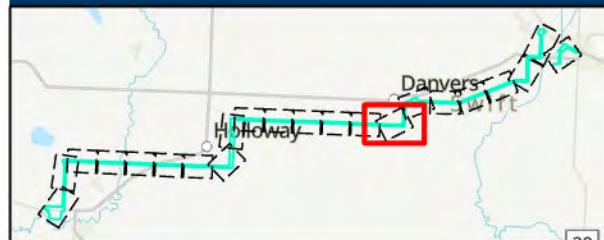


Figure 11: Mining and Forestry Resources: Page 15 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site
- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



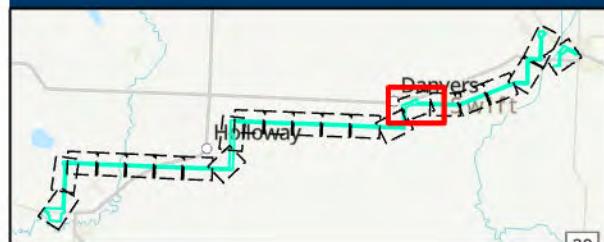
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Feet

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Figure 11: Mining and Forestry Resources: Page 16 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site
- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



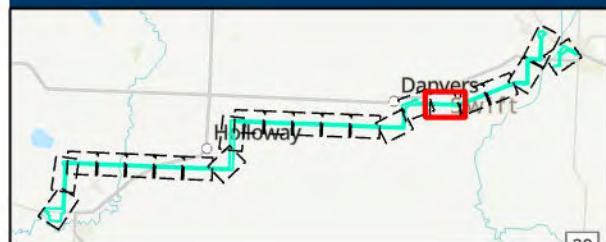
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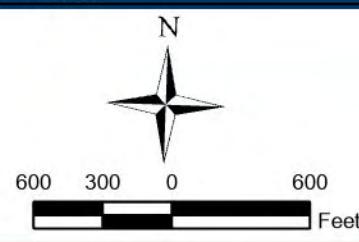
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Figure 11: Mining and Forestry Resources: Page 17 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site
- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



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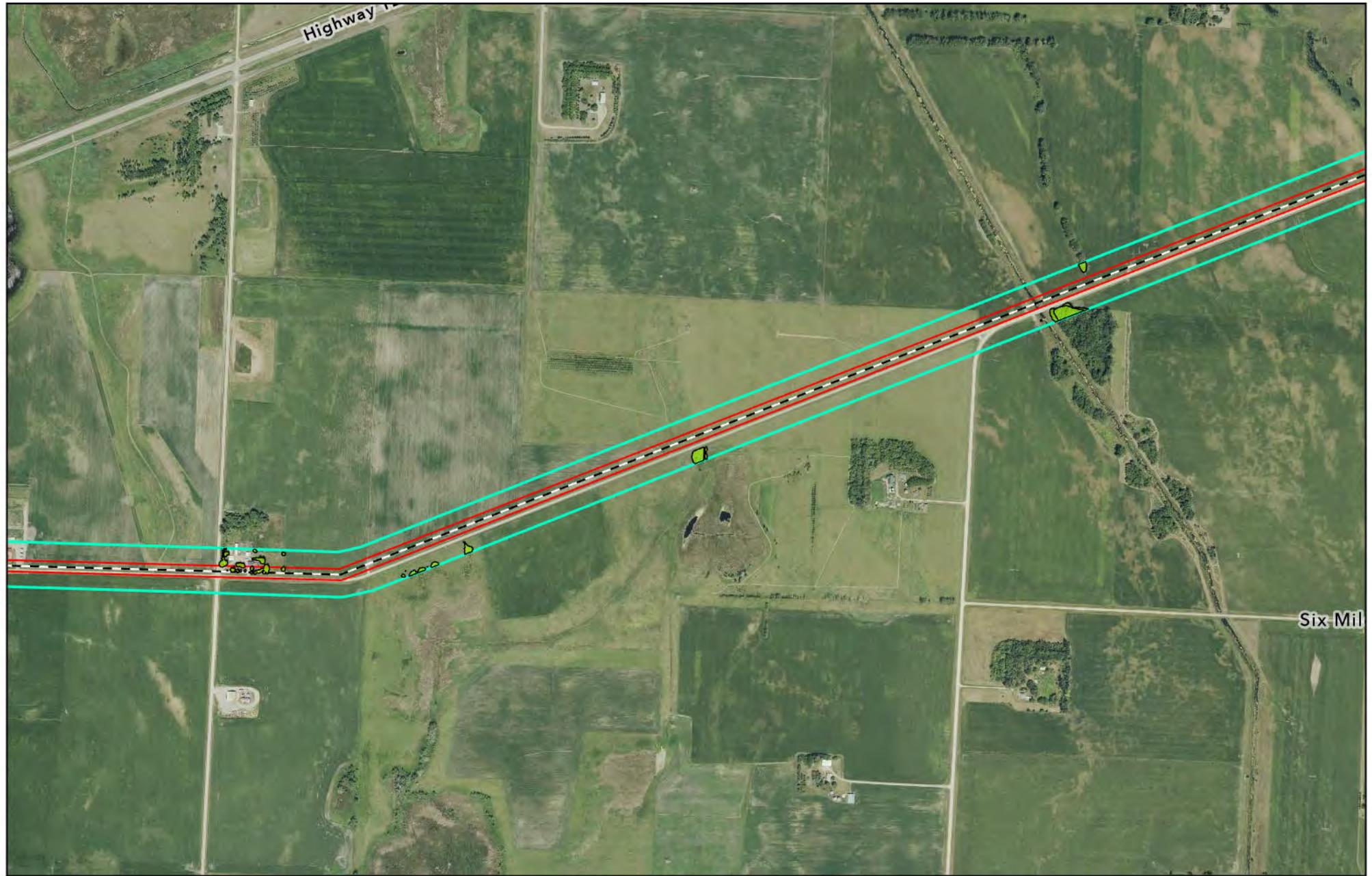
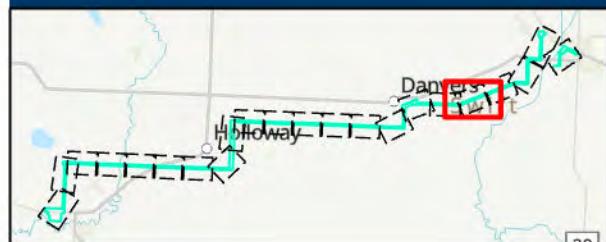


Figure 11: Mining and Forestry Resources: Page 18 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



600 300 0 600
Feet

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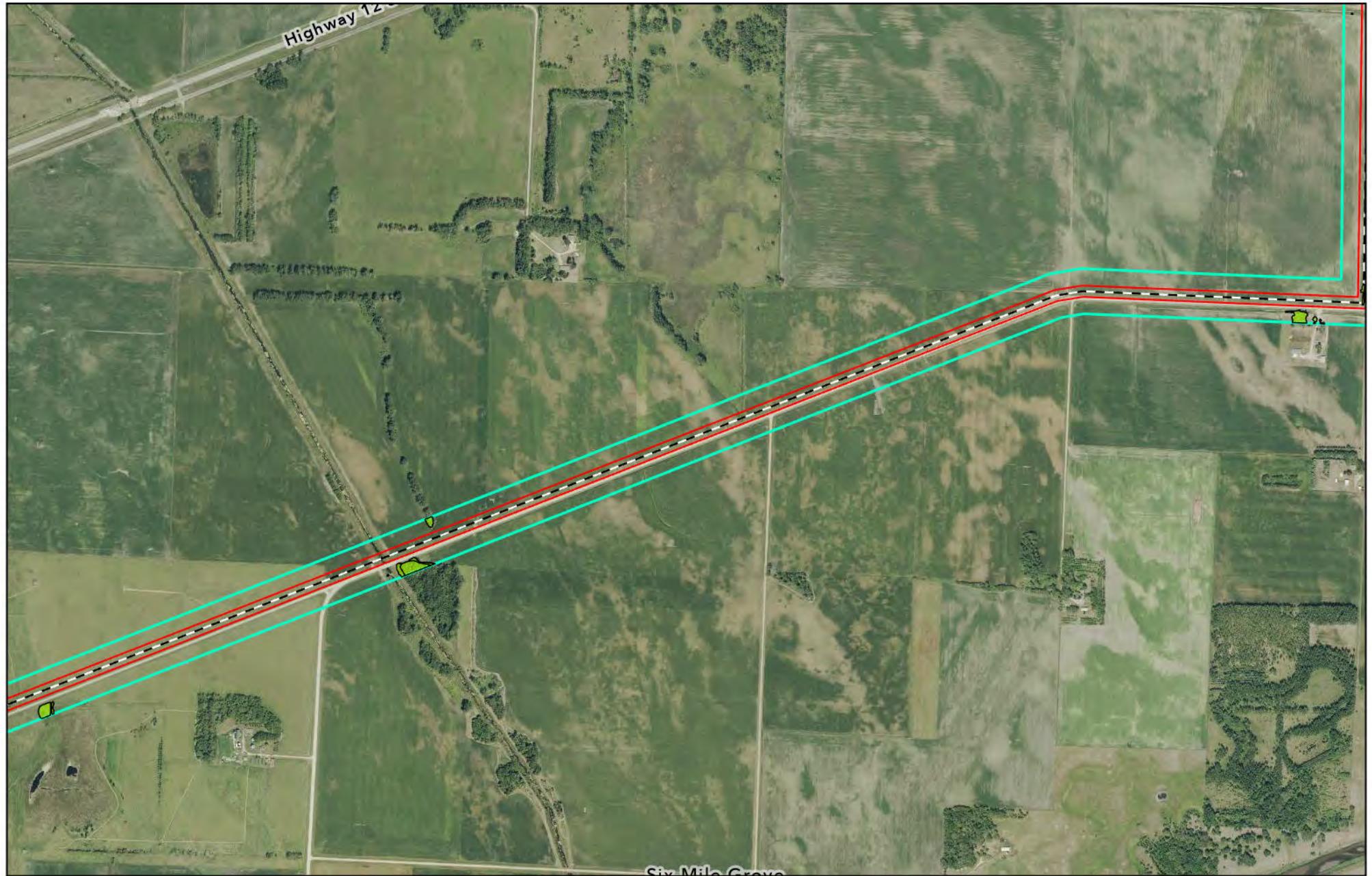
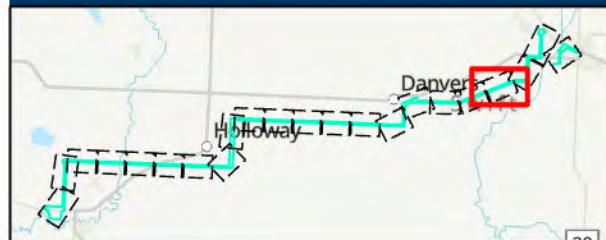


Figure 11: Mining and Forestry Resources: Page 19 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site

- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



600 300 0 600
Feet

Appleton to Benson 115-kV
HVTL Project
Swift County, Minnesota

mn MINNESOTA
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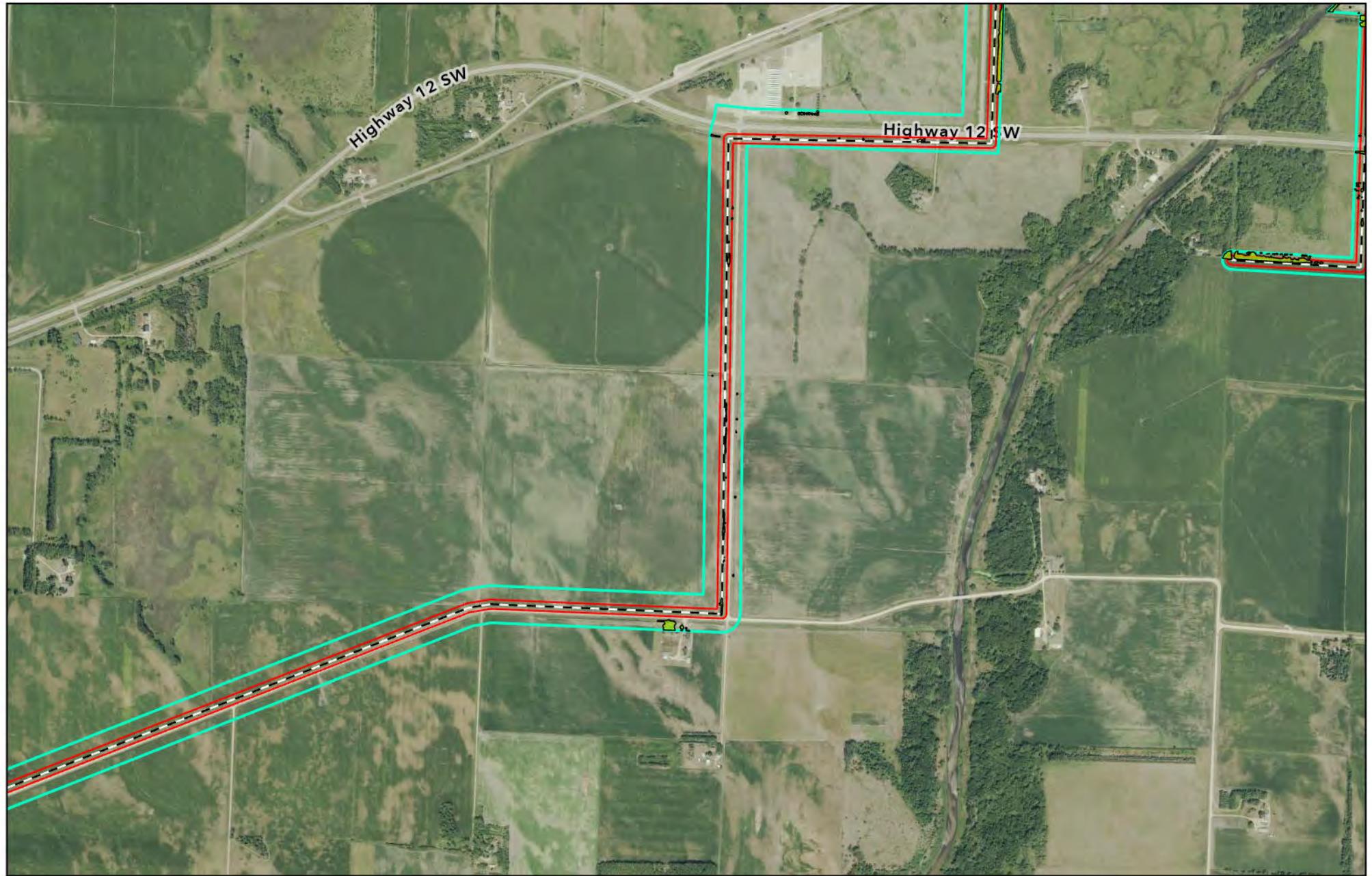


Figure 11: Mining and Forestry Resources: Page 20 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site
- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



600 300 0 600
Feet

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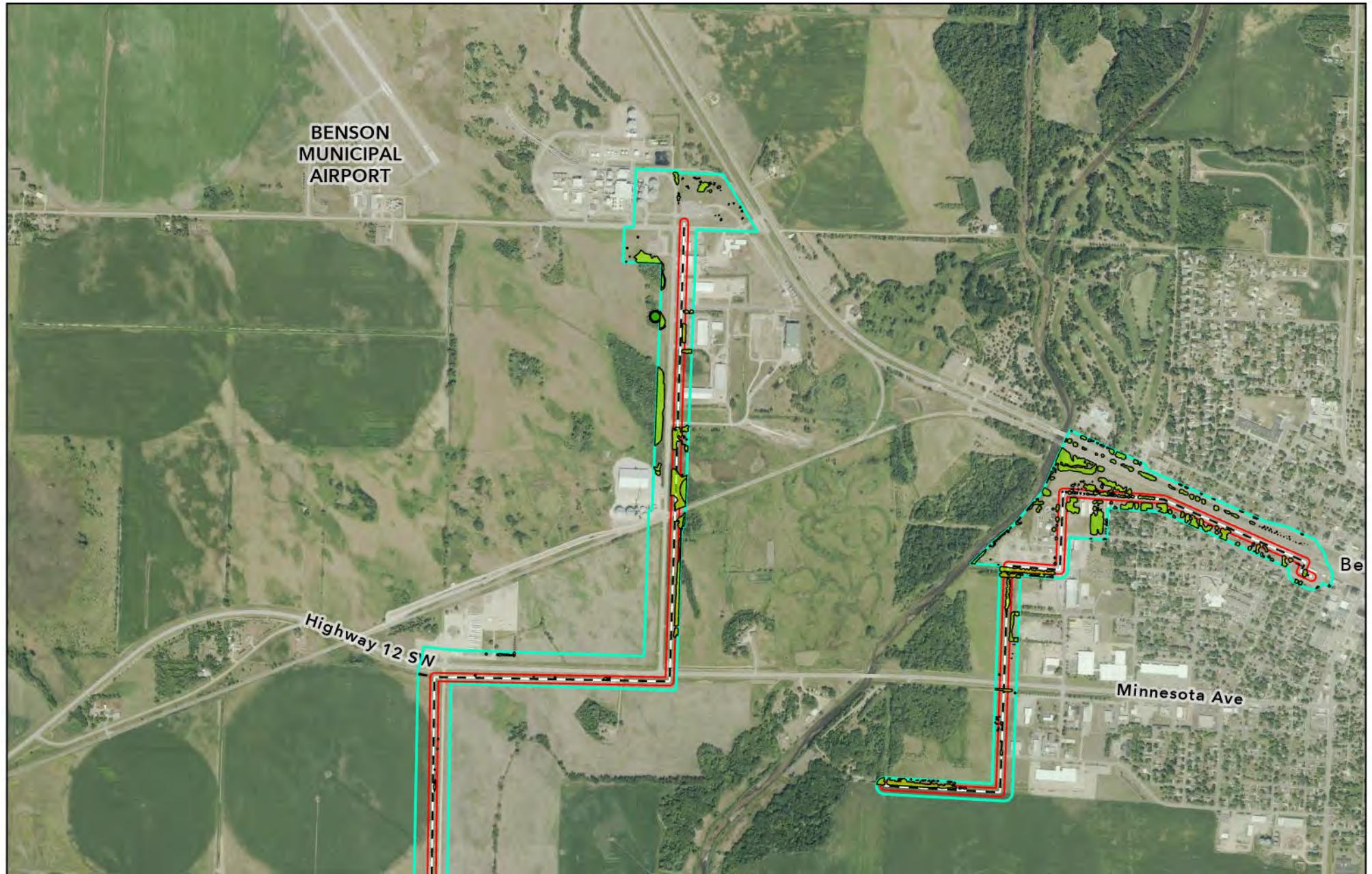
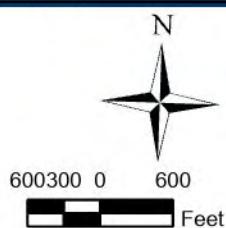


Figure 11: Mining and Forestry Resources: Page 21 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site
- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



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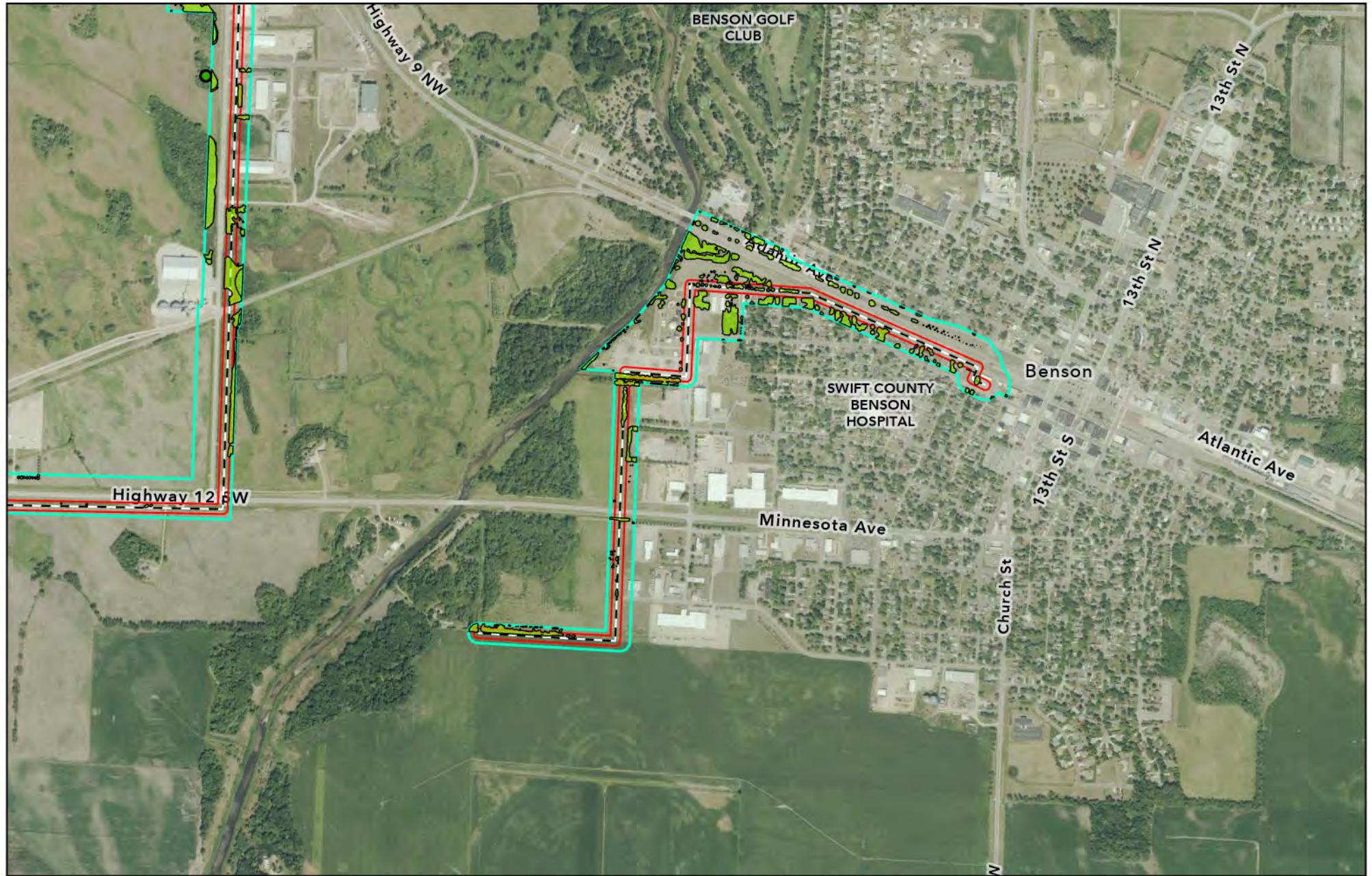
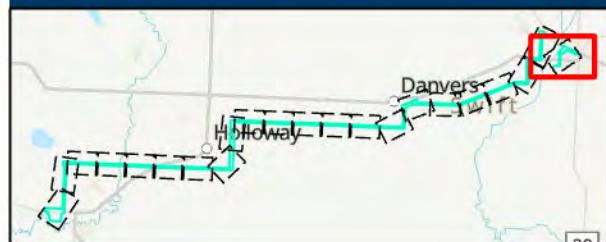


Figure 11: Mining and Forestry Resources: Page 22 of 22



- Forested / Scrub Shrub Areas
- Active Mine Site
- Prospective Mine Site
- Reclaimed Mine Site
- Proposed Alignment
- Proposed 100-foot ROW
- Proposed Route Width



600 300 0 600
Feet

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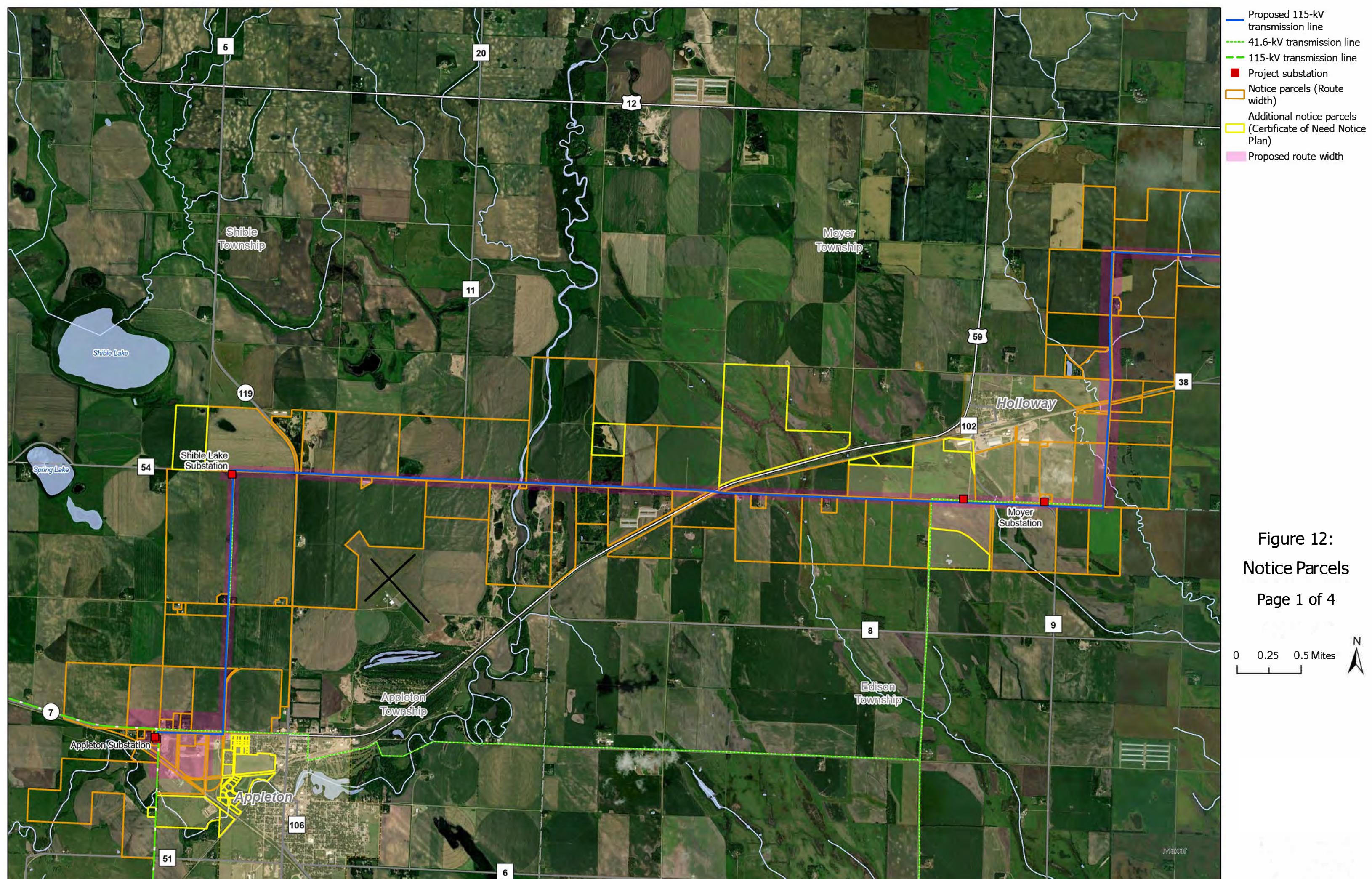


Figure 12:
Notice Parcels
Page 1 of 4

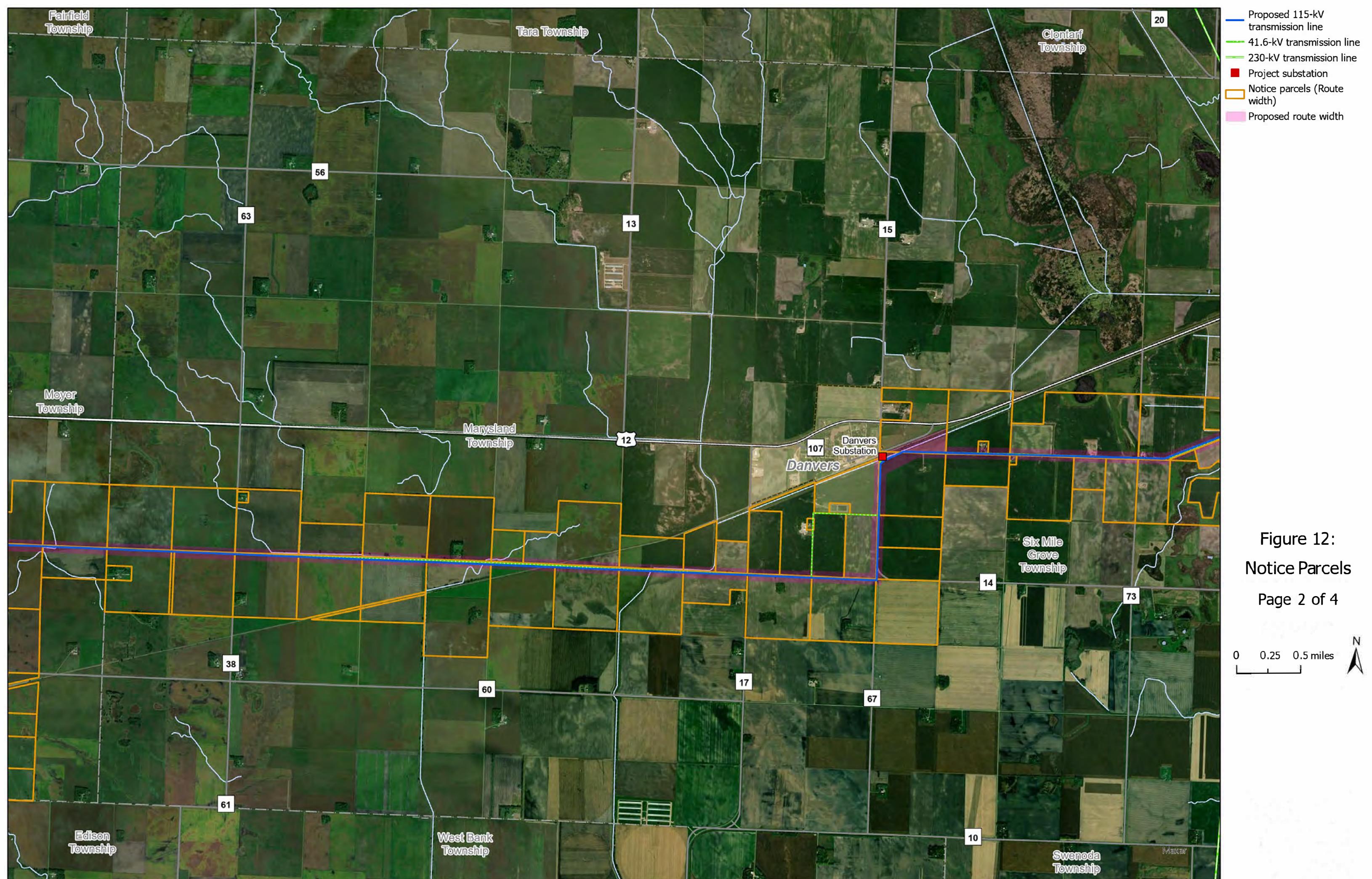


Figure 12:

Notice Parcels

Page 2 of 4



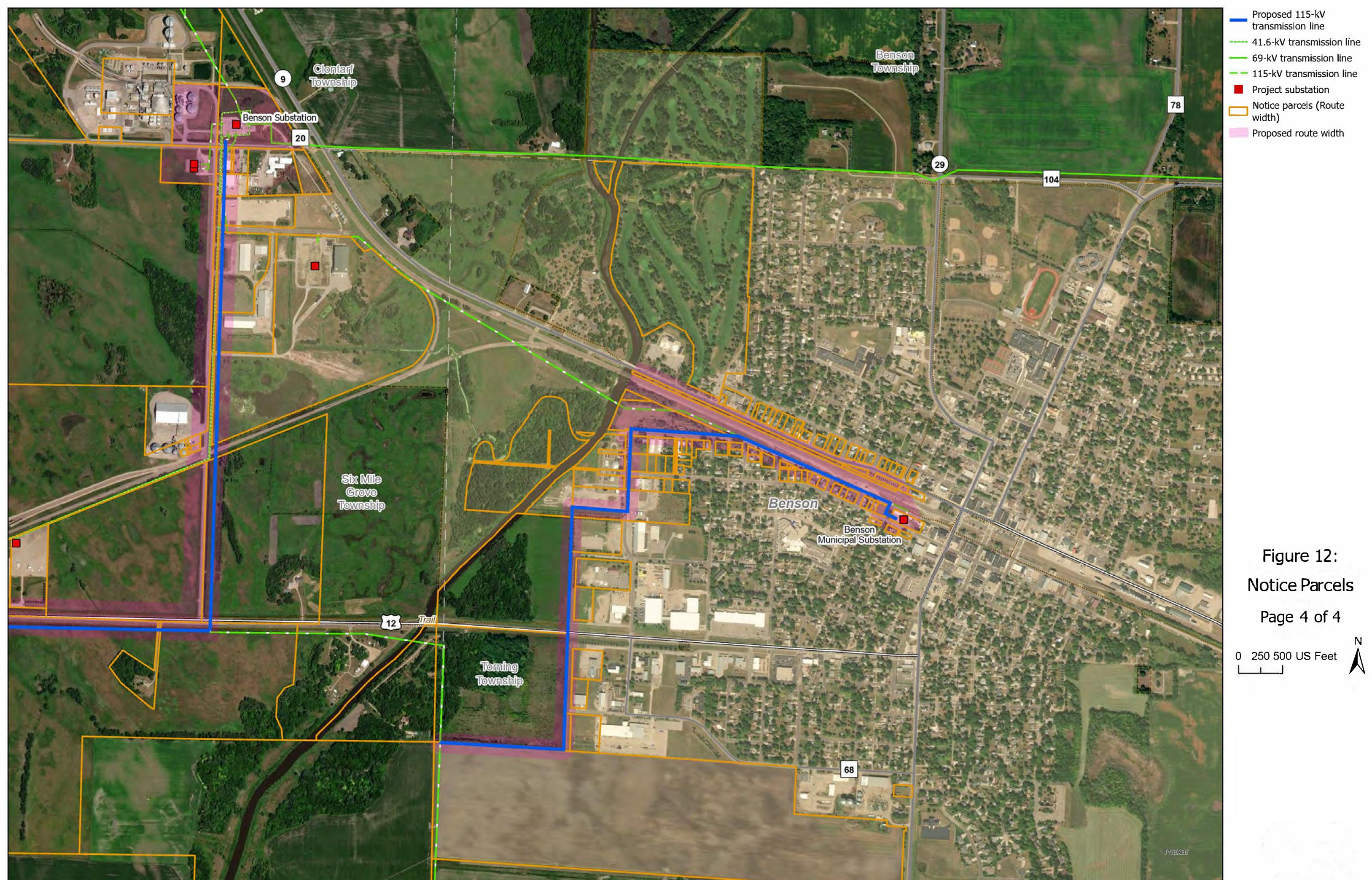


Figure 12:

Notice Parcels

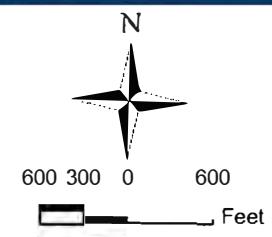
Page 4 of 4



Figure 11: Mining and Forestry Resources: Page 22 of 22



- Forested / Scrub Shrub Areas
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