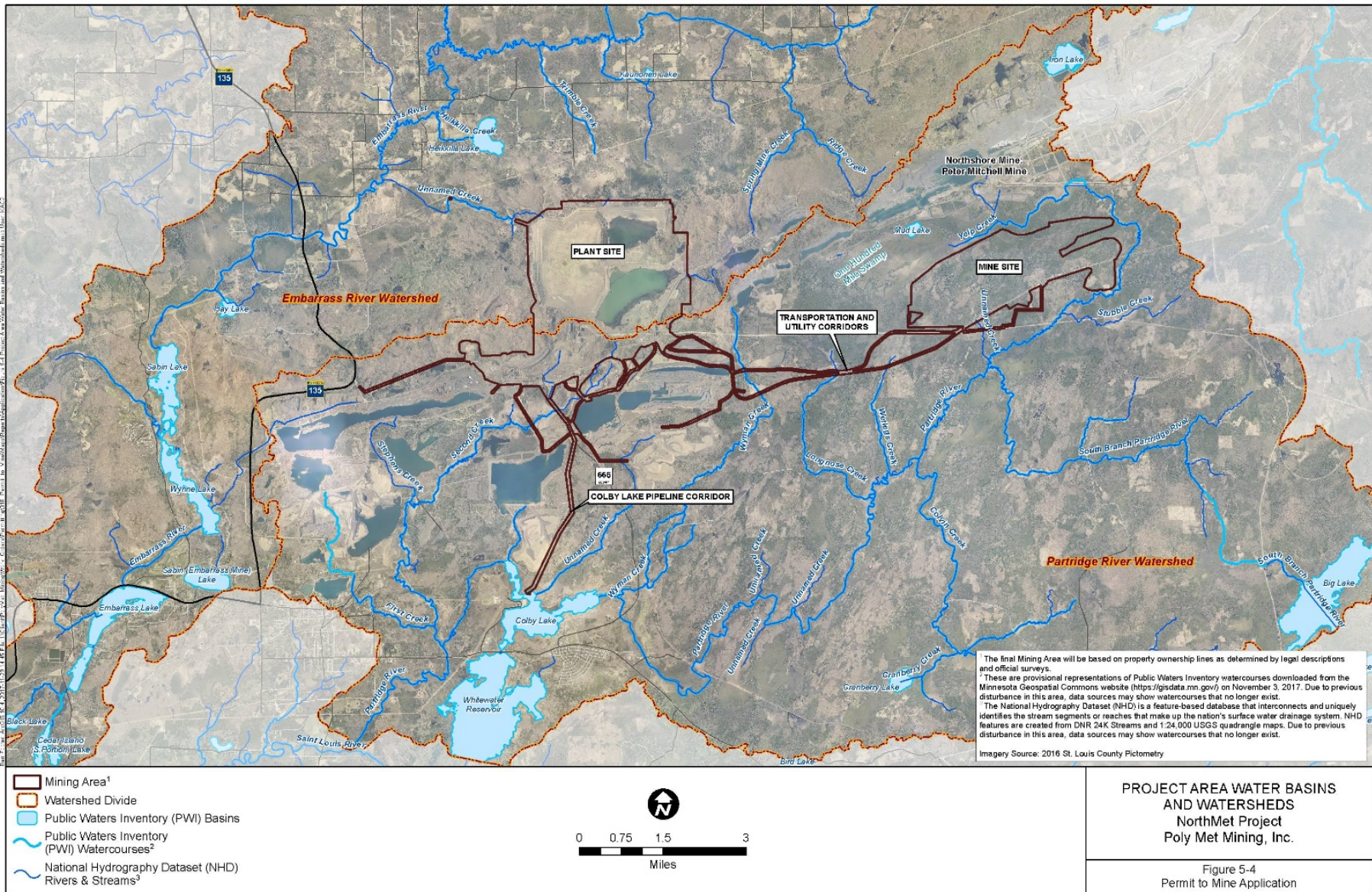


NorthMet Mine Project

File 1999-5528-JKA

Final Record of Decision - Appendix A

Project Figures 1-16



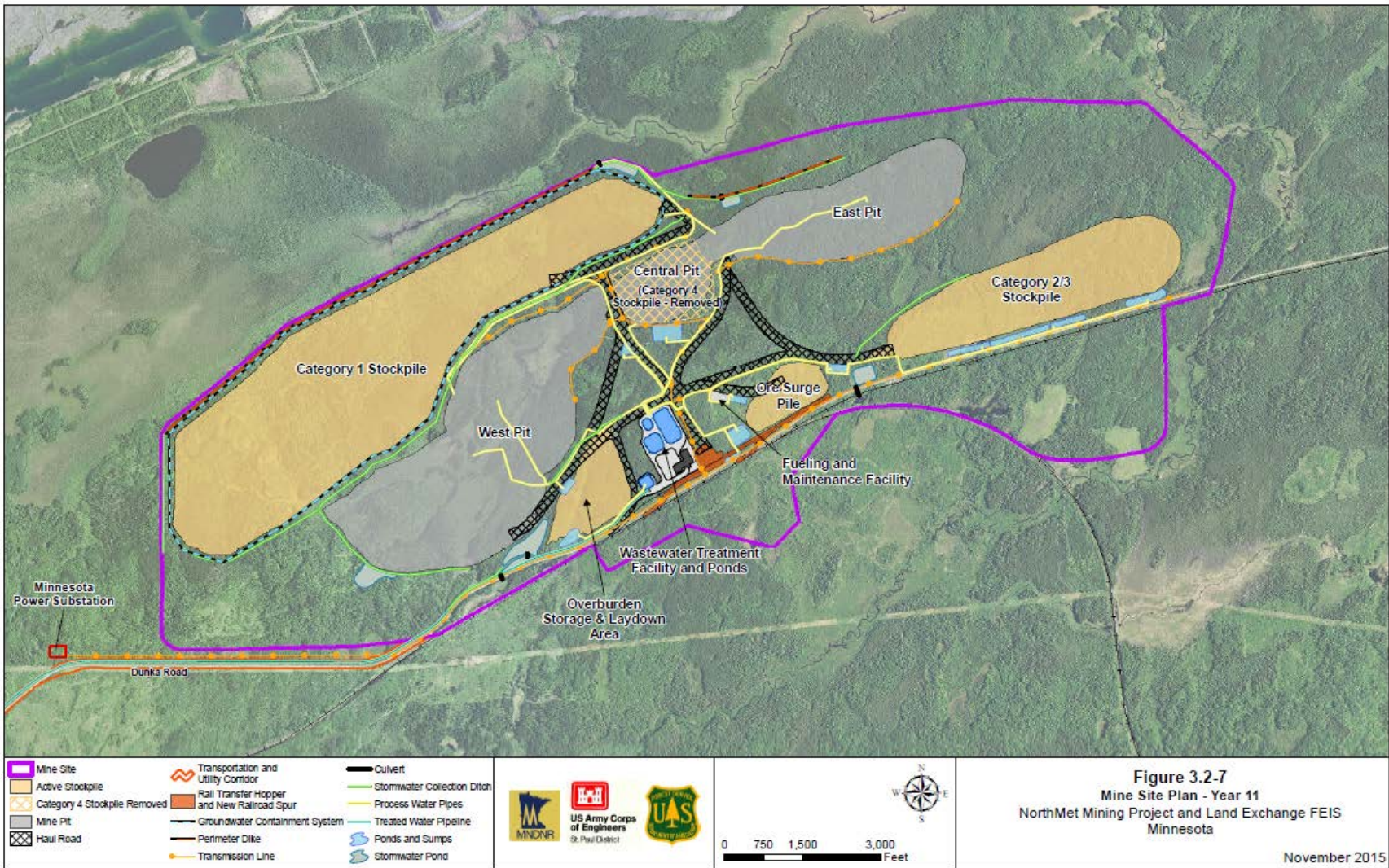


Figure 2 - Mine Site Infrastructure at Year 11 as Described in the FEIS

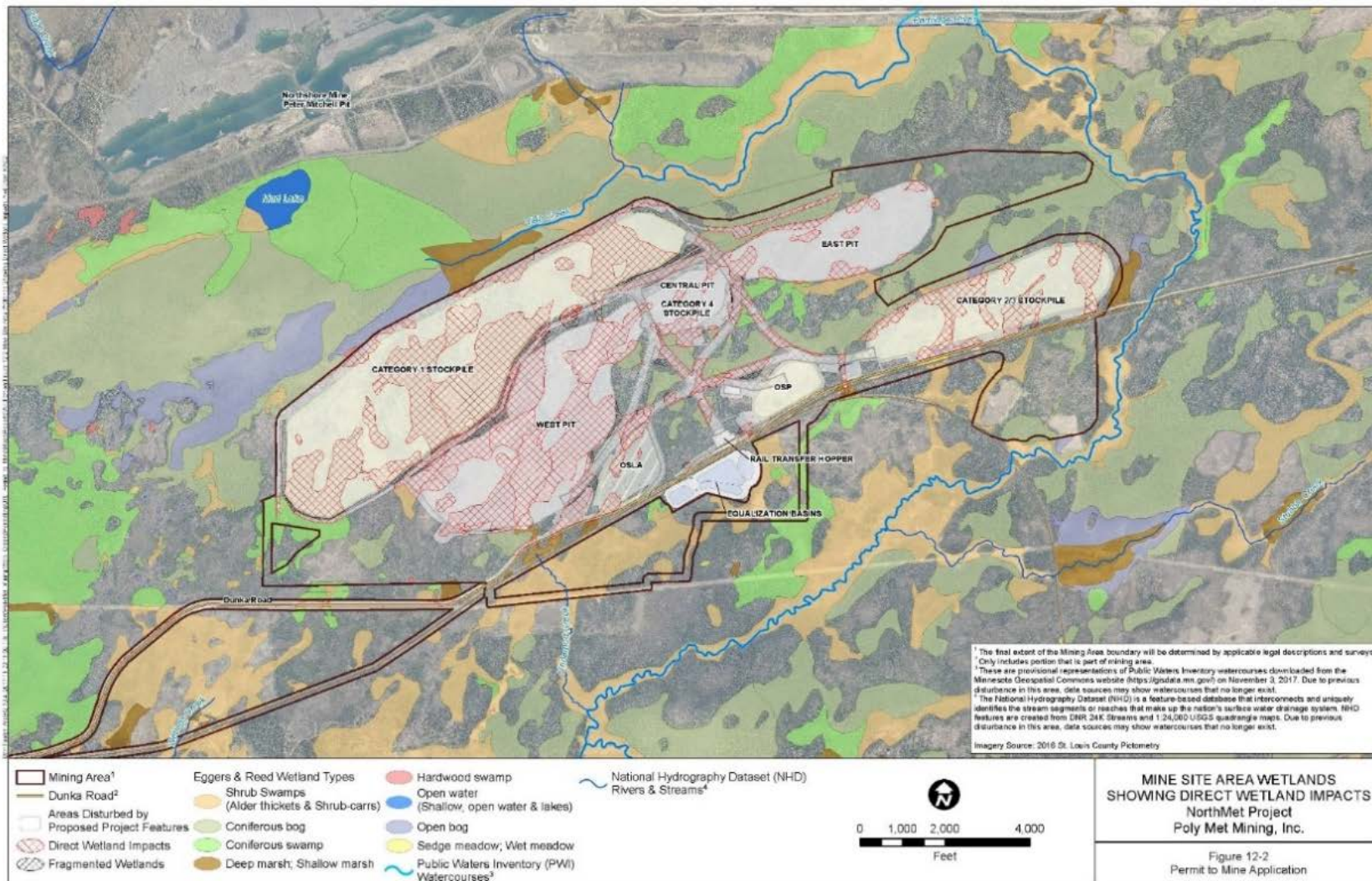


Figure 3 – Mine Site Showing Direct Wetland Impacts

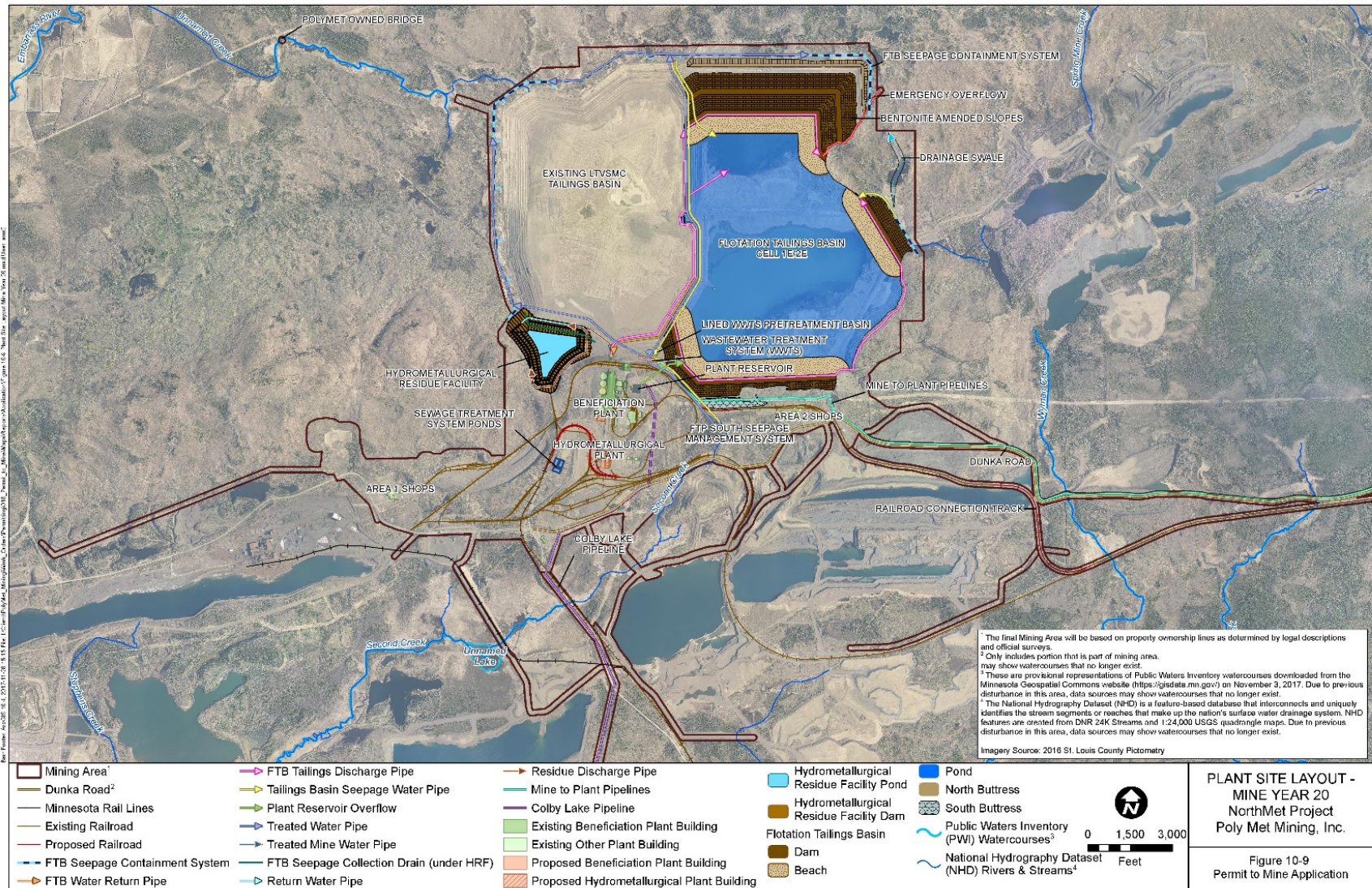


Figure 4 – Processing Plant and Associated Shops and Infrastructure

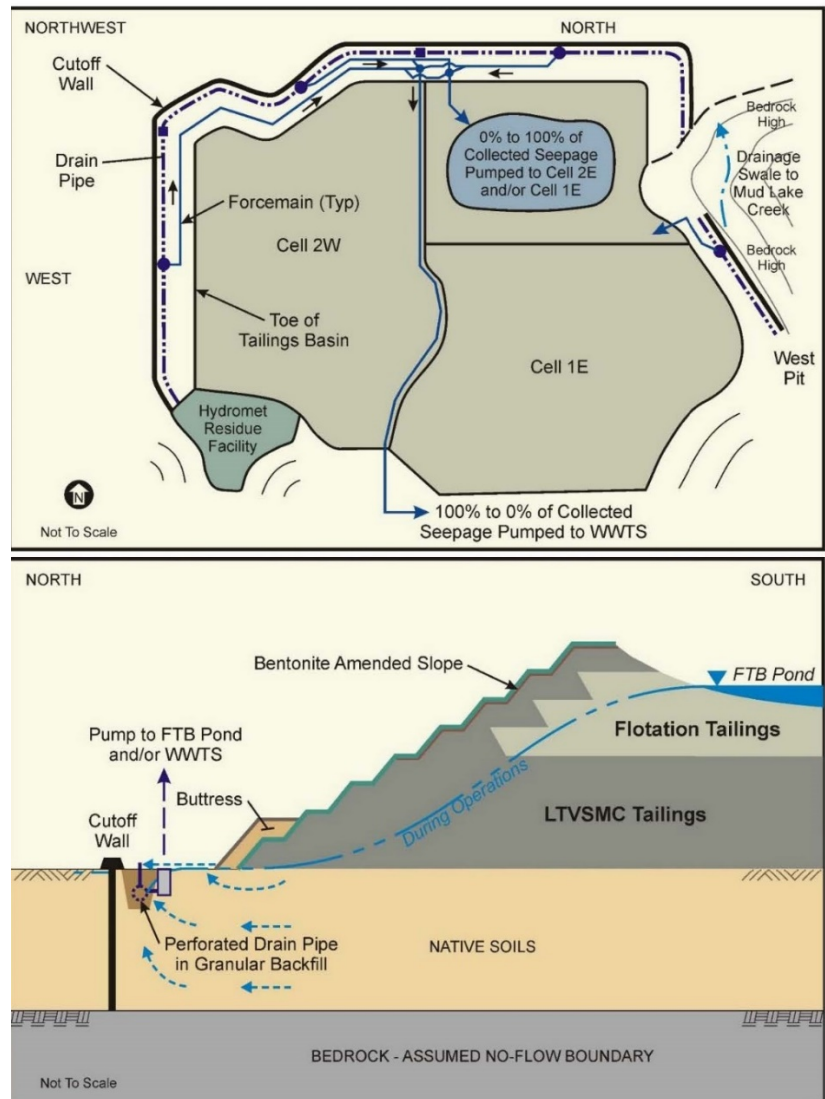


Figure 5 – Schematic of the Tailings Basin Seepage Collection System

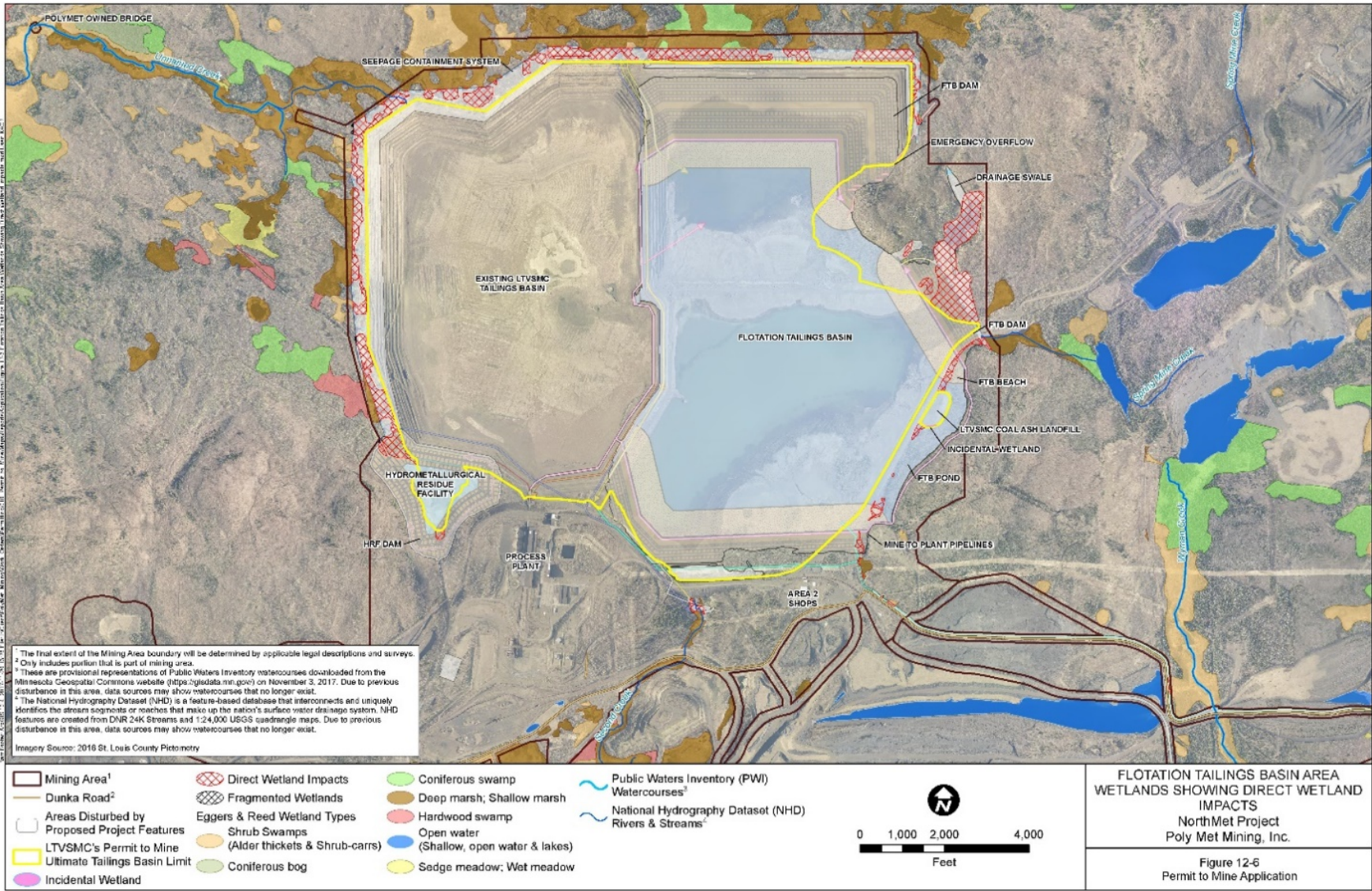


Figure 6 - Direct Wetland Impacts at the Tailings Basin

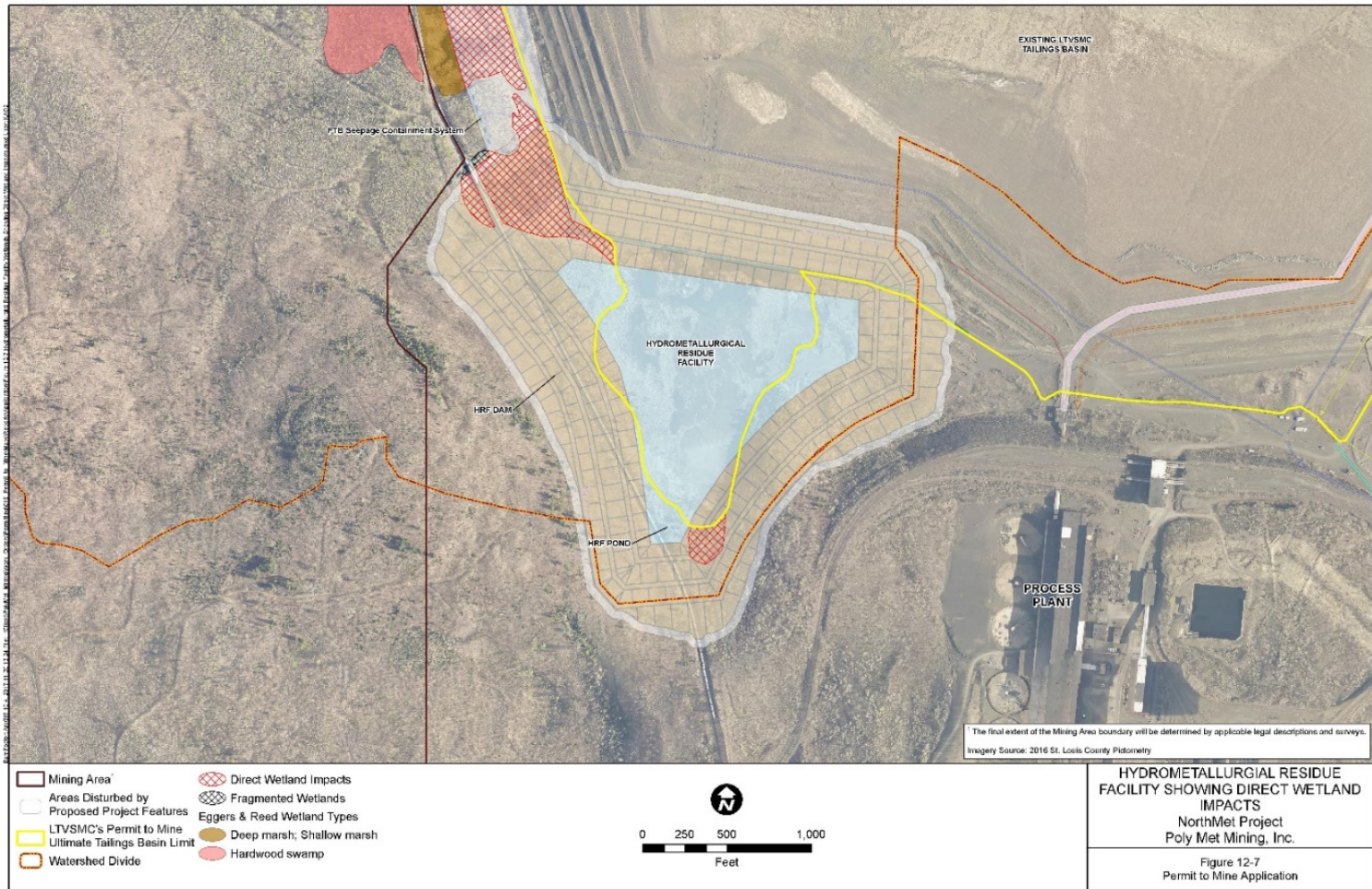


Figure 7- Hydrometallurgical Residue Facility Wetland Impacts

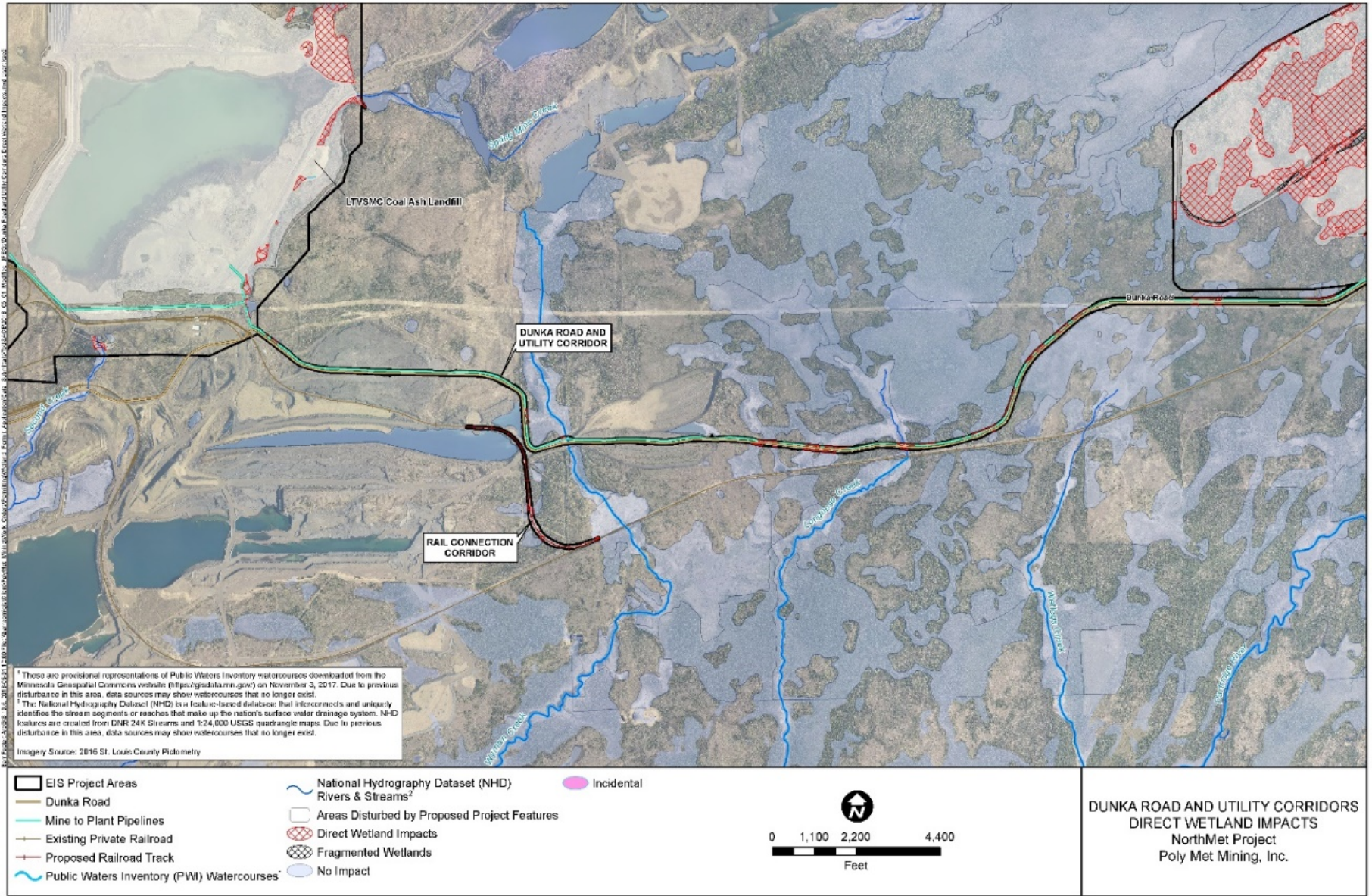


Figure 8 - Dunka Road, Utility Corridor, and Rail Spur Wetland Impacts

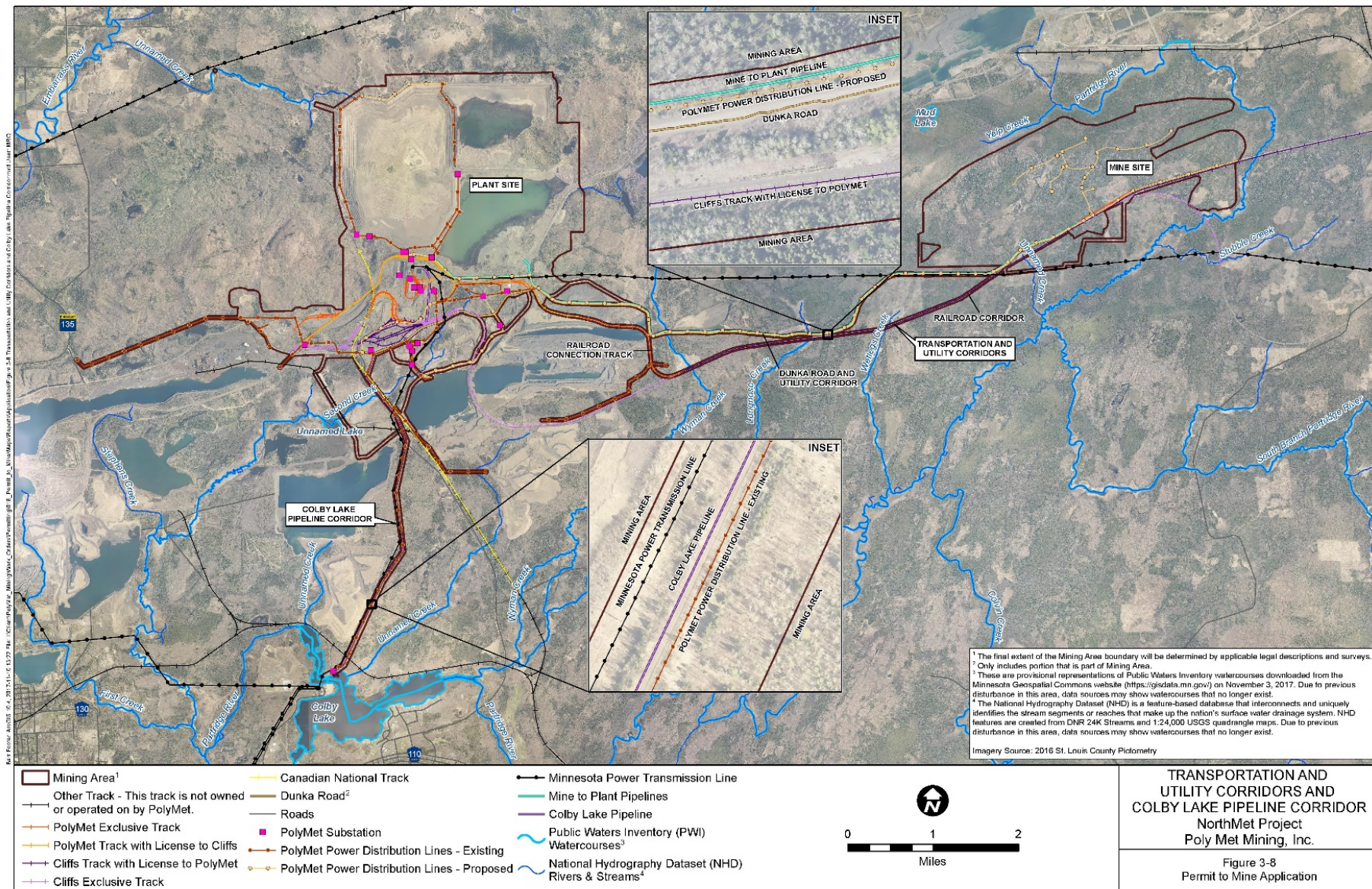
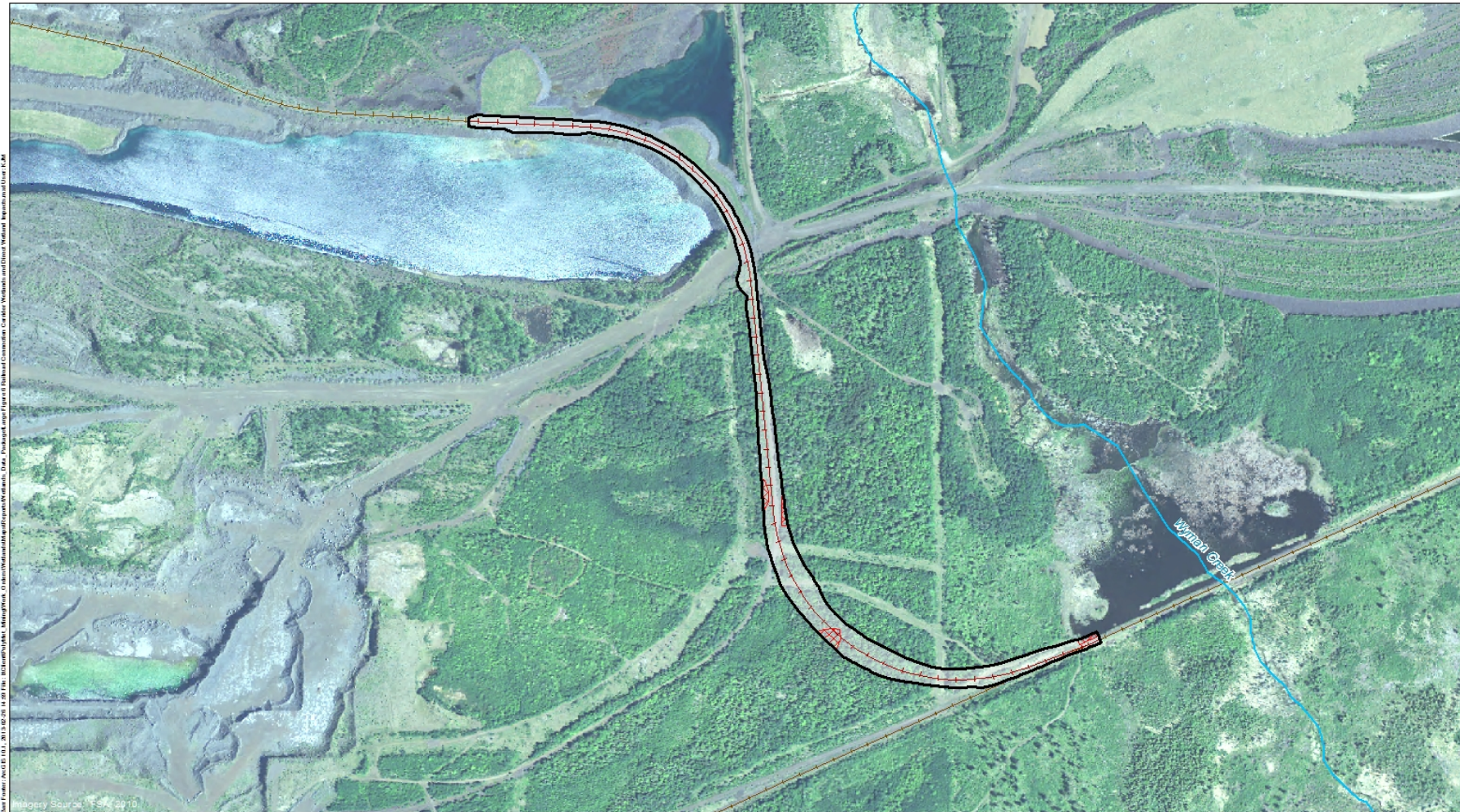


Figure 9 - Dunka Road, Utility Corridor, Rail Spur, and Colby Lake Pipeline

The Colby Lake Pipeline is an existing structure. No wetland impacts are associated with that project feature.



Map made using ArcGIS 10.1, 2012, 02/28/12 11:49:15 AM. 2012, 02/28/12 11:49:15 AM. 2012, 02/28/12 11:49:15 AM. Data: Polymet Iron Project EIS/EA/NEPA. Environmental Data: Wetlands and Direct Wetland Impacts. Map Date: 2/28/12.

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> Railroad Connection Corridor Proposed Track Existing Railroad Dunka Road Areas Disturbed by Proposed Project Features Direct Wetland Impacts | <ul style="list-style-type: none"> Shrub Swamps (Alder thickets & Shrub-carrs) Coniferous bog Coniferous swamp Deep marsh; Shallow marsh Hardwood swamp Open water (Shallow, open water & lakes) Open bog Sedge meadow; Wet meadow |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Feet

Large Figure 6
**RAILROAD CONNECTION CORRIDOR WETLANDS
 AND DIRECT WETLAND IMPACTS**
 NorthMet Project
 Poly Met Mining Inc.
 Hoyt Lakes, Minnesota

Figure 10 - Railroad Spur Connection Showing Wetland Impacts

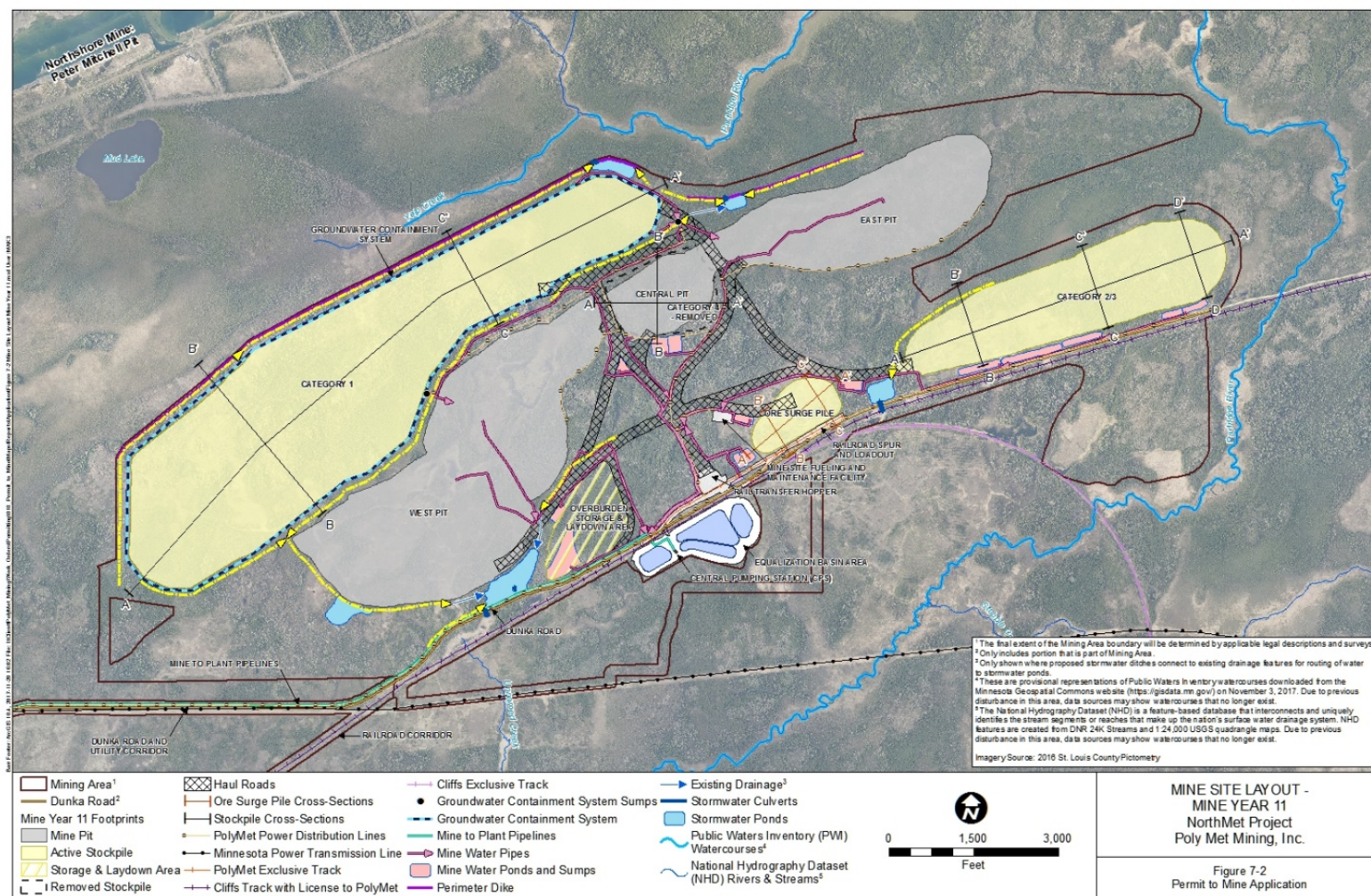


Figure 11 -Water Management infrastructure Year 11
 Stormwater conveyances are shown in yellow

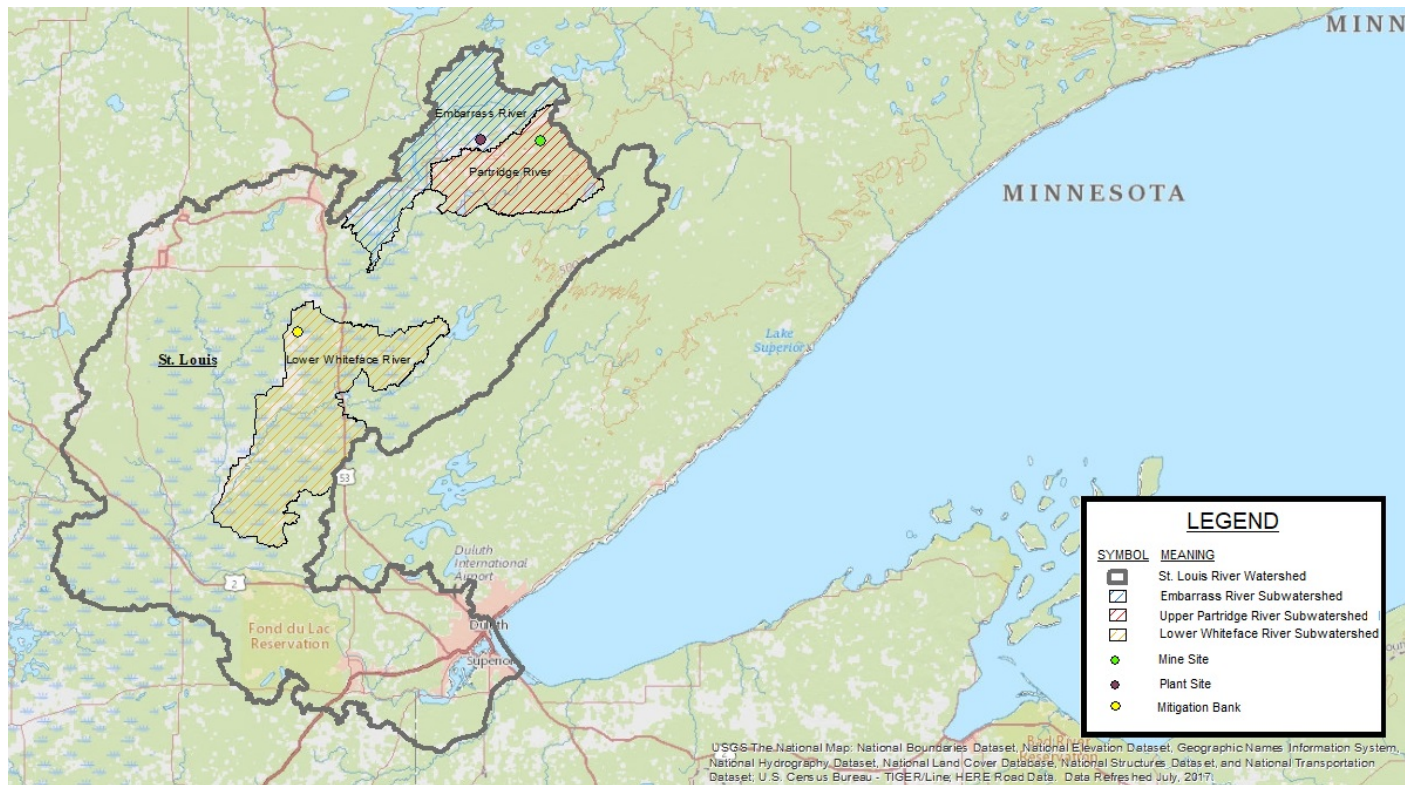


Figure 12 - Location of the Lake Superior Mitigation Bank in Relation to the Project Site

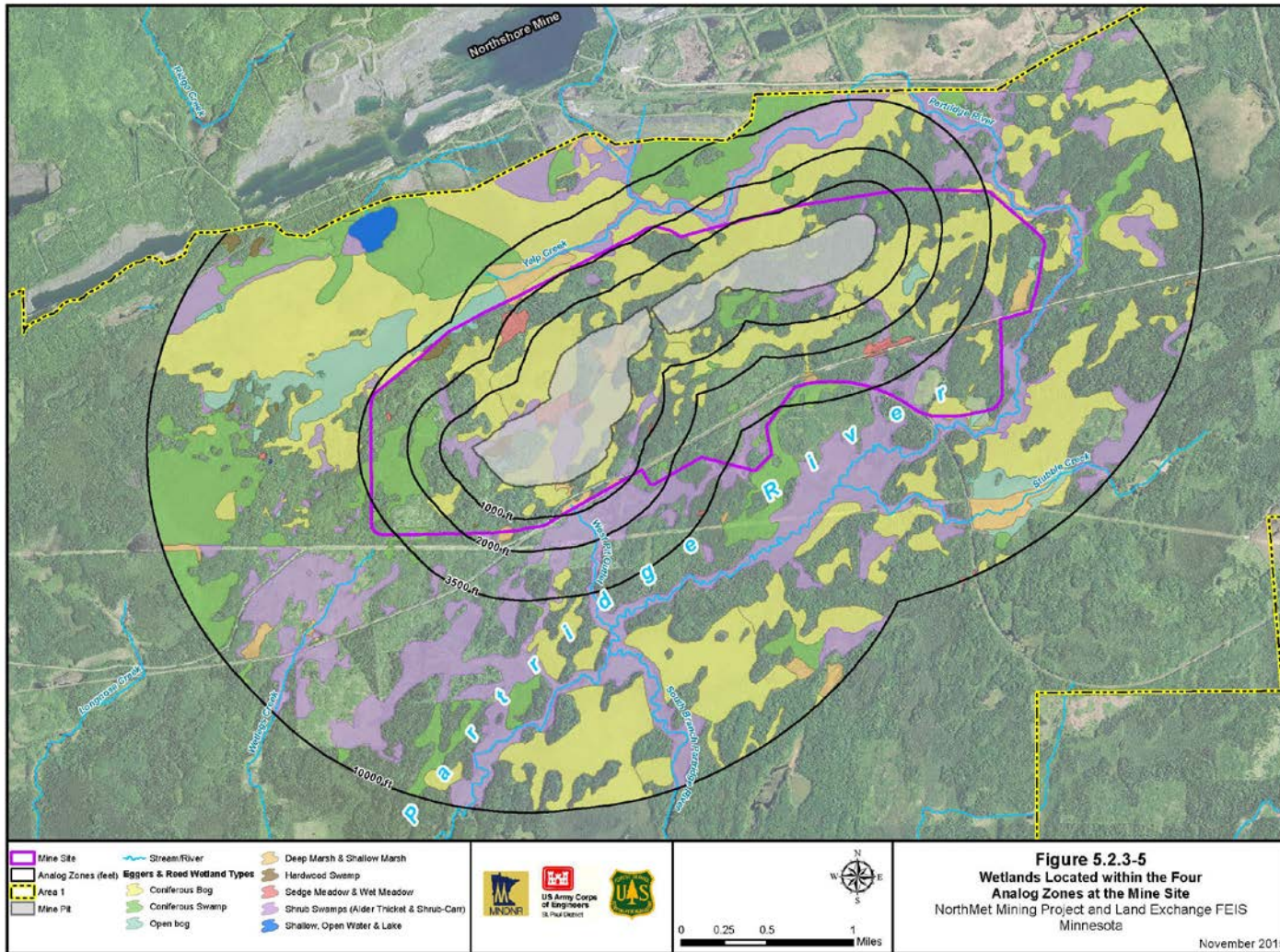


Figure 13 - Wetlands Within the Four Analog Zones

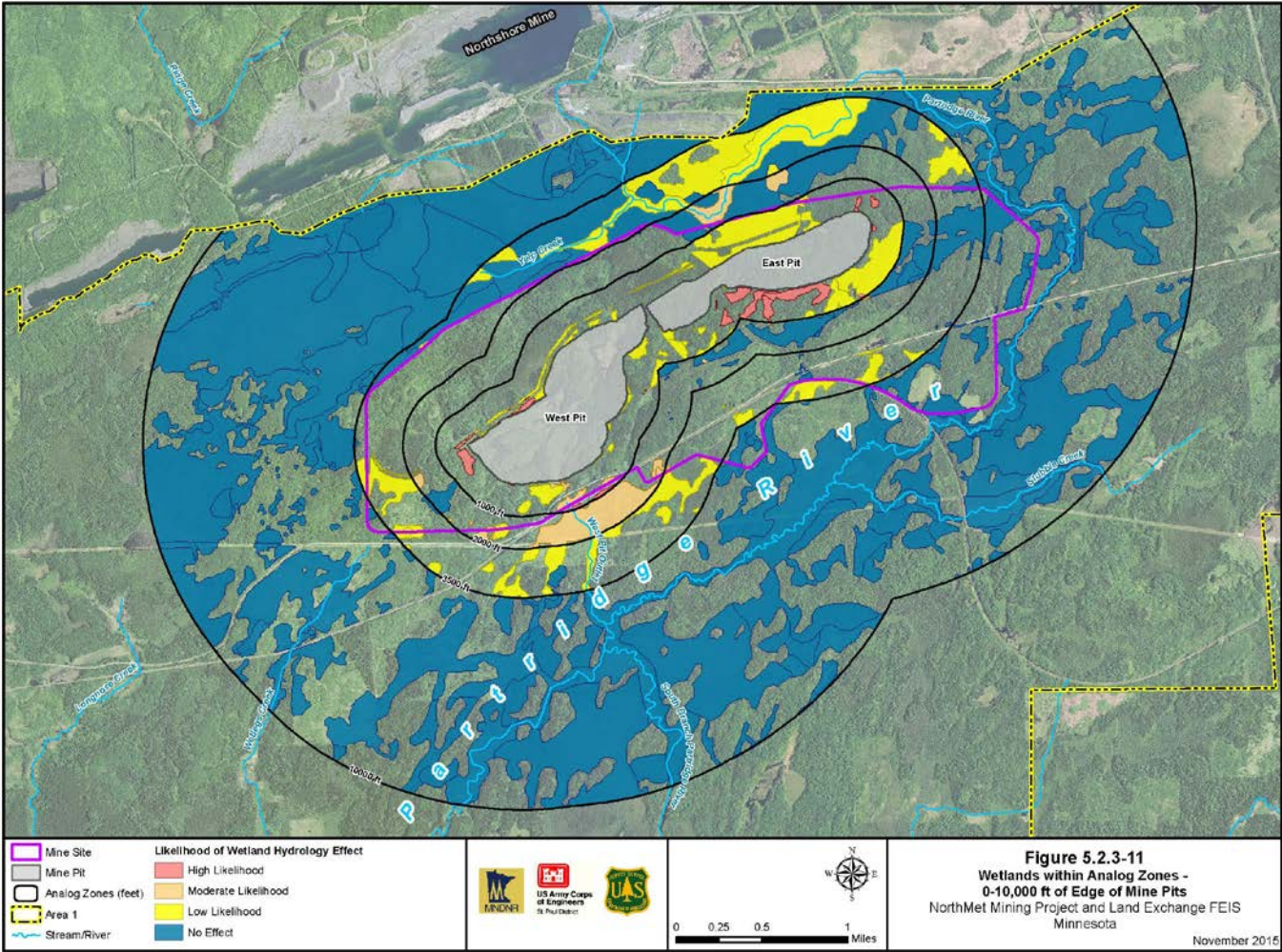


Figure 14 -Potential Wetland Impacts Based on the “Within Analog zone Approach”

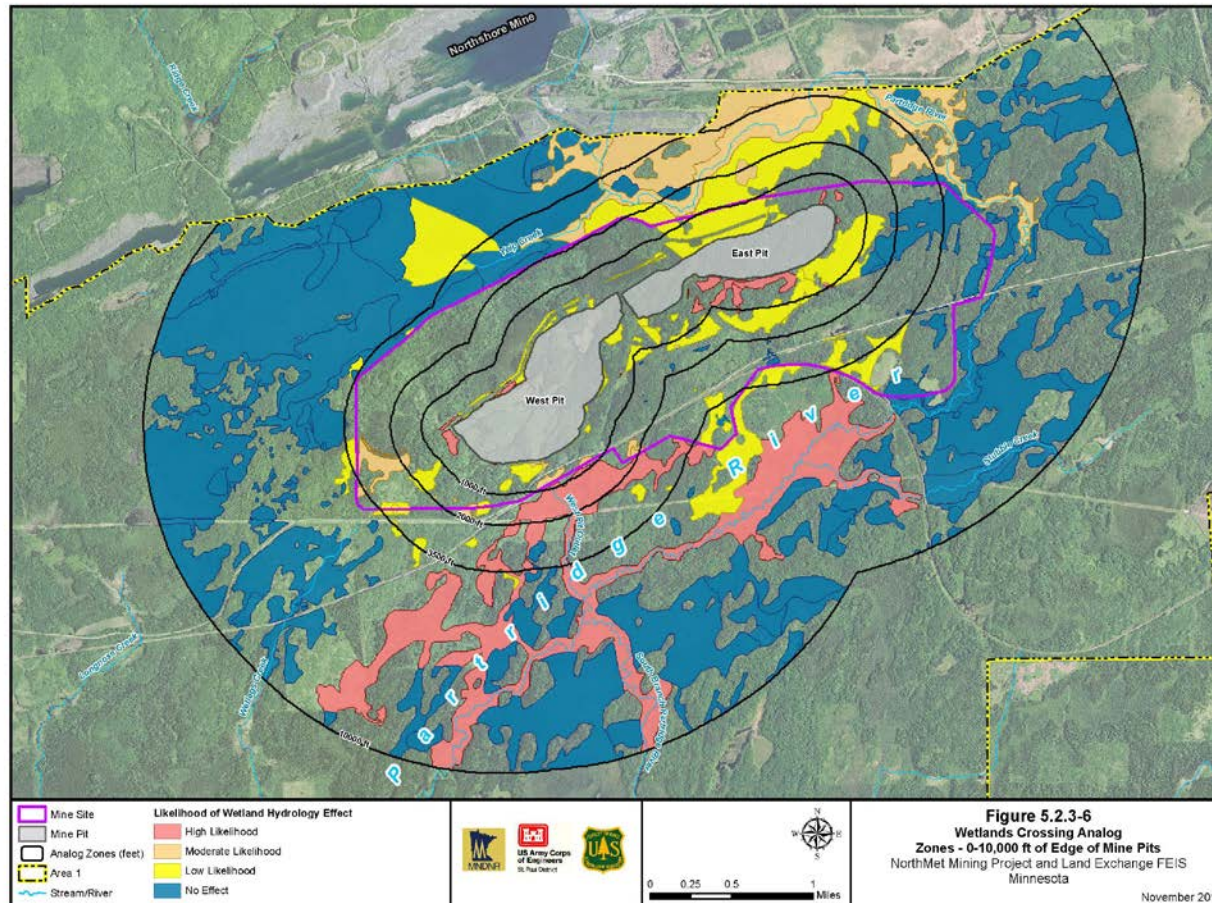


Figure 15 - Potential Wetland Impacts Based on the “Crossing Analog Zone Approach”¹

¹ The analog approach predicts no impacts beyond 3,500 feet from the mine pit. It should be noted that the “highly likely” wetland impacts beyond 3,500 feet predicted by the crossing analog zone approach and shown in this Figure are inconsistent with that approach. However, the wetland impacts areas displayed beyond 3,500 feet shown in this figure would be useful in any adaptive management plan if monitoring wells indicate the cone of depression may extend further than predicted in the analog approach.

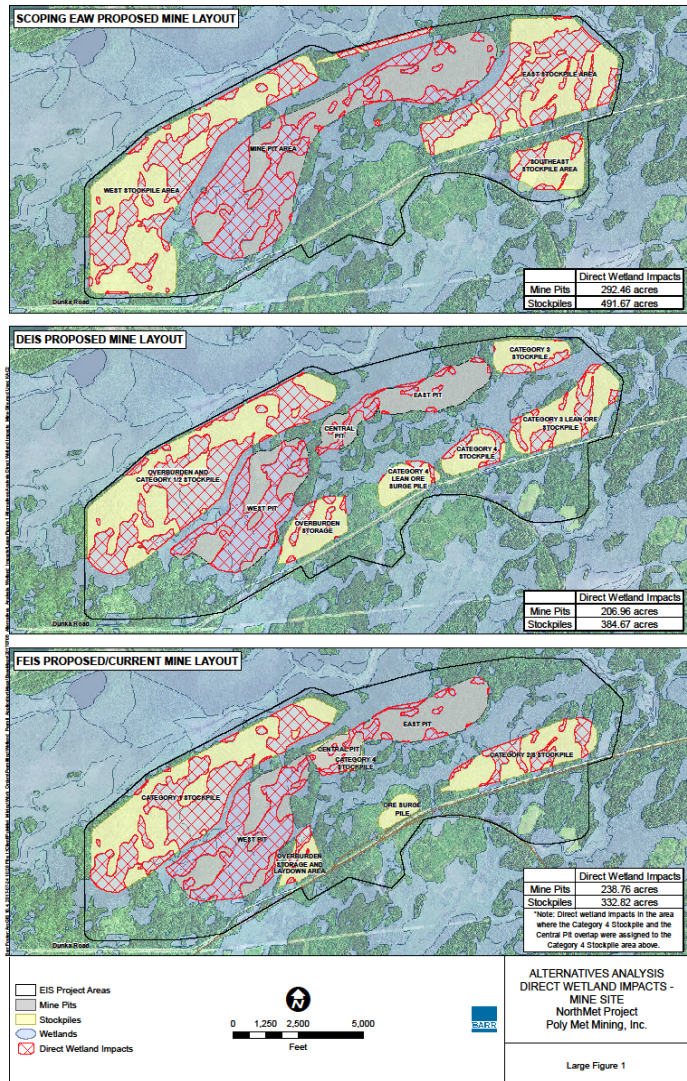


Figure 16 - Mine Site Configurations and Associated Wetland Impacts at Various Stages of Project Development