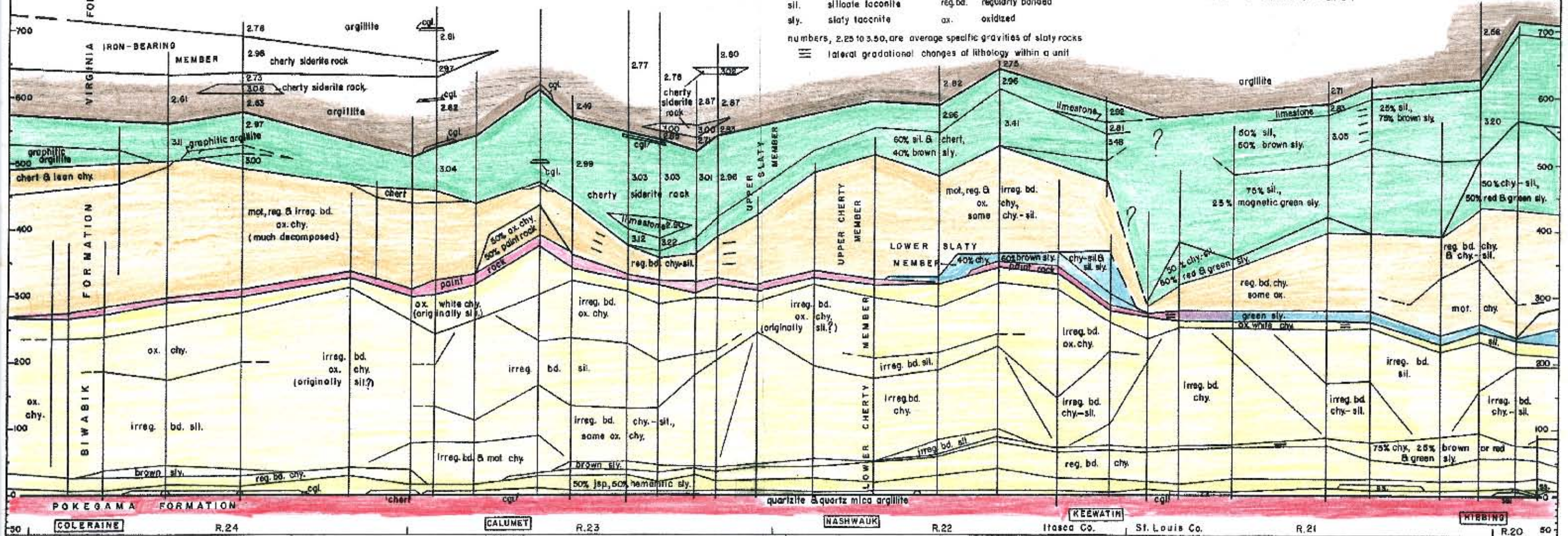


STRATIGRAPHY OF BIWABIK IRON FORMATION SUBCROP, MESABI RANGE, MINNESOTA

Diamond drill holes are projected onto vertical plane following Biwabik-Virginia contact. Datum is base of Biwabik formation.

Horizontal scale 0 2 4 5 miles



From David A. White, The Stratigraphy and Structure of the Mesabi Range, Minnesota. (Minnesota Geological Survey Bulletin No. 38.) Minneapolis: University of Minnesota Press, 1954.

Geology by David A. White, 1953

Legend

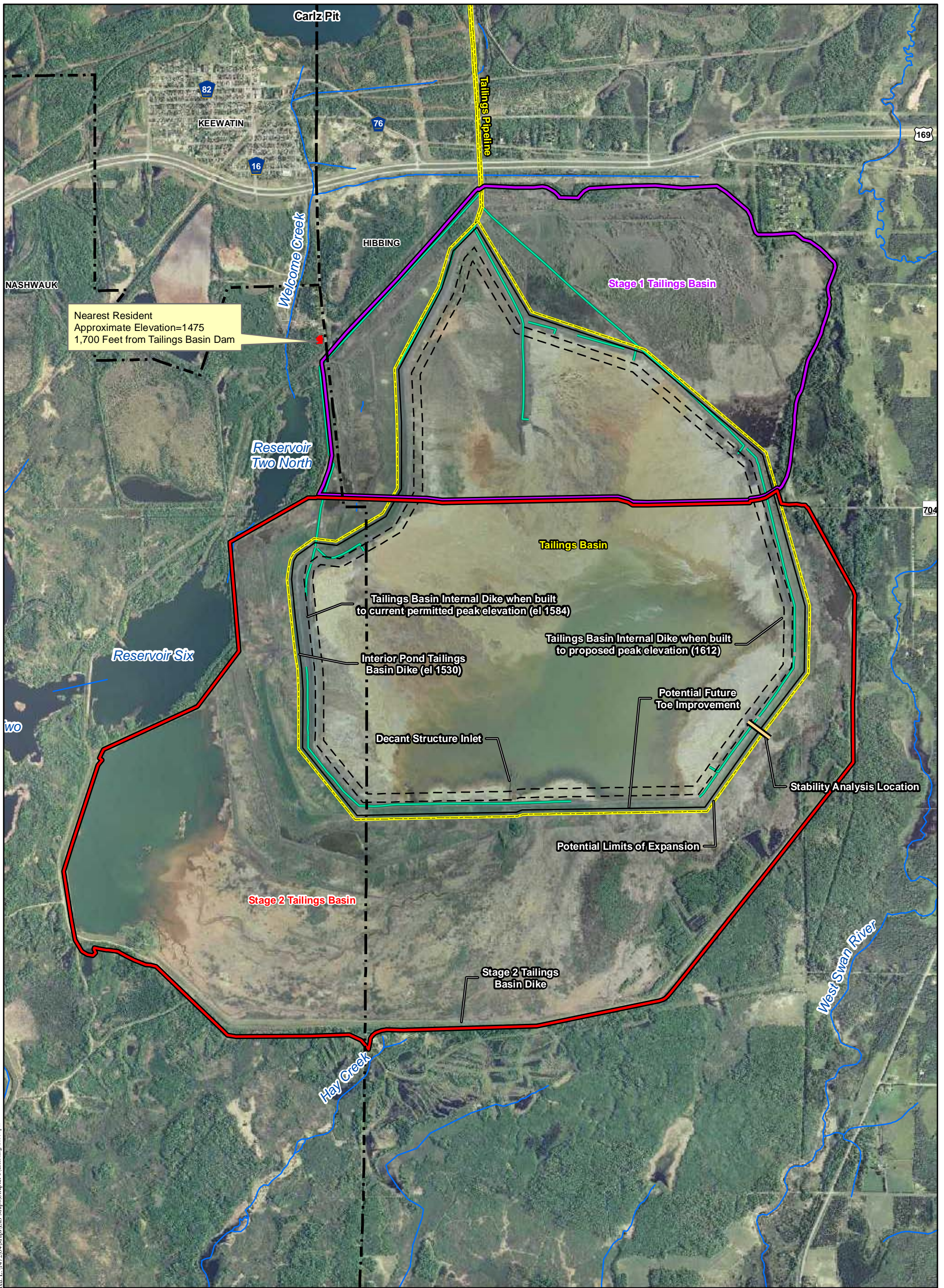
- Biwabik Fm
 - Upper Slaty Member
 - Upper Cherty Member
 - Lower Slaty Member
 - Paintrock
 - Lower Cherty Member
- Pokegama Fm. quartzite

Modified from White, 1954 (colored only)

Figure 3.1.1
Mineral Resources
U.S. Steel Keetac
Keewatin, MN



Mod: L:\147204M\Map\GIS Maps\Chapter 3\Mineral Resources.mxd



Nearest Resident
 Approximate Elevation=1475
 1,700 Feet from Tailings Basin Dam

Legend

- Existing Tailings Basin (Stage 2 Interior Basin)
- Stage 1 Tailings Basin
- Stage 2 Tailings Basin
- City Boundary
- Tailings Pipeline
- Streams

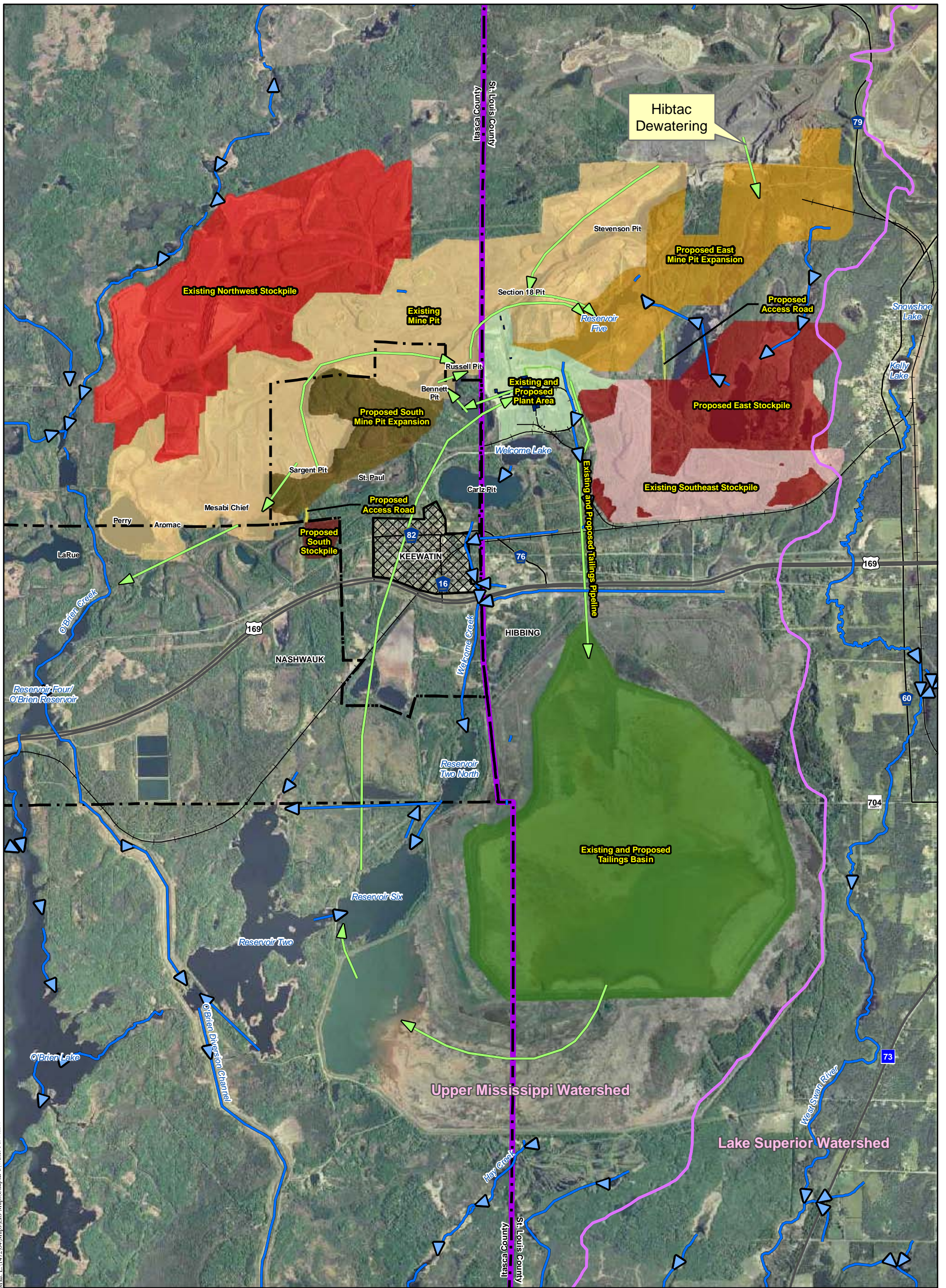


Source: USGS, Barr, LMIC, MNDNR, National Hydro Dataset, MPCA, Itasca County, St. Louis County, City of Hibbing, City of Nashwauk, U.S. Steel, and Mn/DOT. 2008 Aerial Photograph

Figure 3.1.2
 Existing Tailings Basin
 U.S. Steel Keetac
 Keewatin, MN



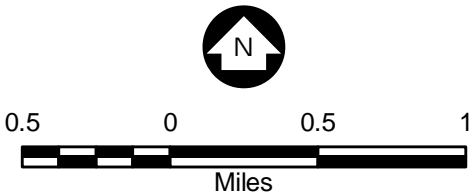
Map: L:\147204\Maps\EIS_Maps\Chapter 3\Existing_Stockpiles.mxd



Map: L:\1472\041\Maps\EIS Maps\Chapter 3 Water Flow.mxd

- Legend**
- Project Areas**
- Existing Southeast Stockpile
 - Existing Northwest Stockpile
 - Proposed East Stockpile
 - Proposed South Stockpile
 - Proposed Stockpile Roads
 - Existing Mine Pit
 - Proposed East Mine Pit Expansion
 - Proposed South Mine Pit Expansion
 - Plant Area
 - Tailings Basin
 - Tailings Pipeline

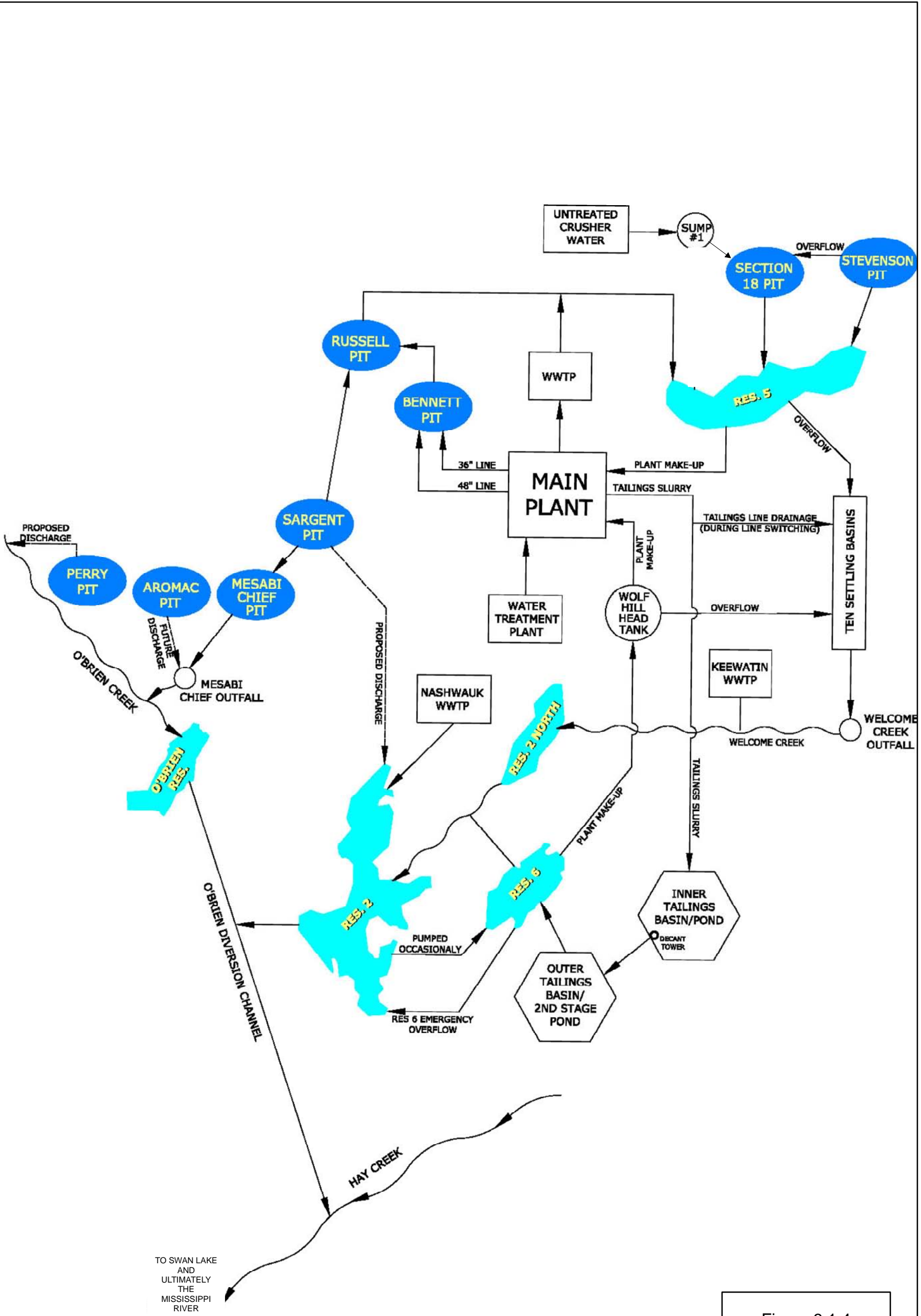
- County Boundary
- City Boundary
- Keewatin Urban Development
- Major Watersheds
- Flowlines
- Current Operation Flows
- Railroads



Source: USGS, Barr, LMIC, MNDNR, National Hydro Dataset, MPCA, Itasca County, St. Louis County, City of Hibbing, City of Nashauk, U.S. Steel, and Mn/DOT. 2008 Aerial Photograph

Figure 3.1.3
Current Water Flow
U.S. Steel Keetac
Keewatin, MN





Map: L:\172\04\Maps\EIS Maps\Chapter 3\Water Processing.mxd



Figure 3.1.4
Water Process
Flow Diagram
U.S. Steel Keetac
Keewatin, MN