

U.S. Steel Keetac Tailings Storage Facility Project EAW

Figures 12.1 through 12.8

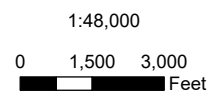
U.S. Steel Keetac Tailings Storage Facility Project EAW

Figure 12.1



This information is for environmental review purposes only.

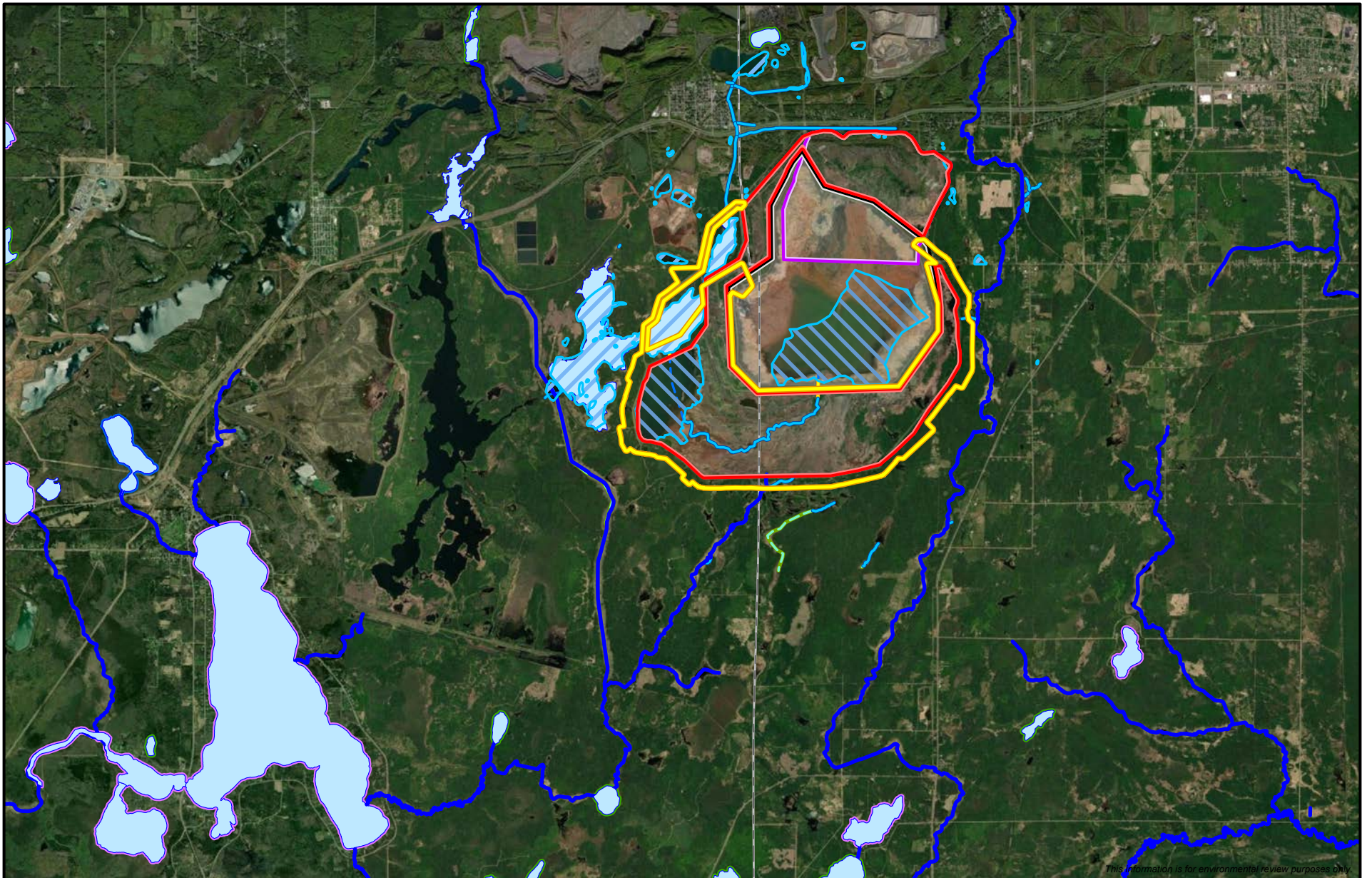
- Surface Flow
- Current Watershed Boundary
- Watershed Boundary (USGS - HUC-12)



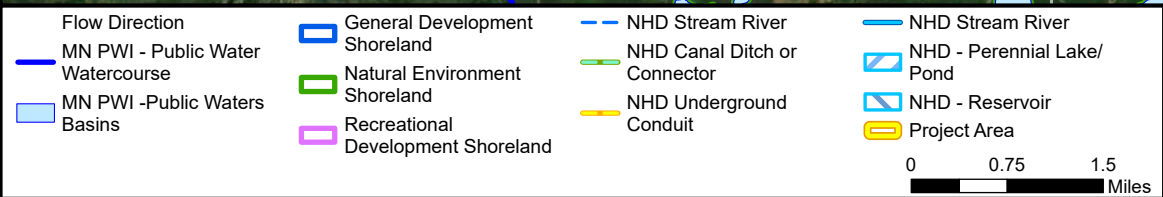
Watersheds
Keetac TSF Project
 United States Steel
 Keewatin, MN

U.S. Steel Keetac Tailings Storage Facility Project EAW

Figure 12.2



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USGS NHD Mapped Waterbodies
Keetac TSF Project
 United States Steel
 Keewatin, MN

U.S. Steel Keetac Tailings Storage Facility Project EAW

Figure 12.3



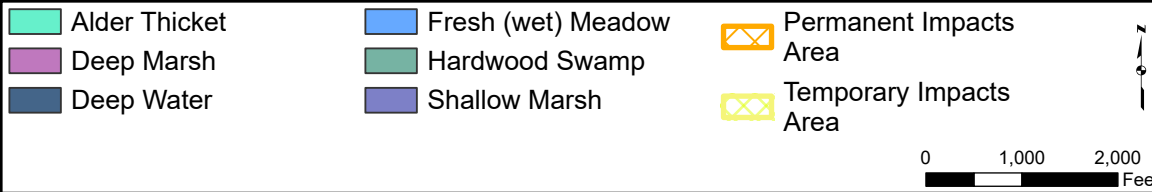
This information is for environmental review purposes only.

 Alder Thicket	 Fresh (wet) Meadow	 Permanent Impacts Area
 Coniferous Bog	 Hardwood Swamp	 Temporary Impacts Area
 Deep Marsh	 Shallow Marsh	
 Deep Water	 Shrub-carr	

MN DNR Determination
Field Delineated Wetlands and Waters
Keetac TSF Project
 United States Steel
 Keewatin, MN





This information is for environmental review purposes only.



**MN DNR Determination
Field Delineated Wetlands and Waters
Keetac TSF Project
United States Steel
Keewatin, MN**



- | | |
|--|--|
|  Alder Thicket |  Fresh (wet) Meadow |
|  Coniferous Bog |  Hardwood Swamp |
|  Deep Marsh |  Shallow Marsh |
|  Deep Water |  Shrub-carr |

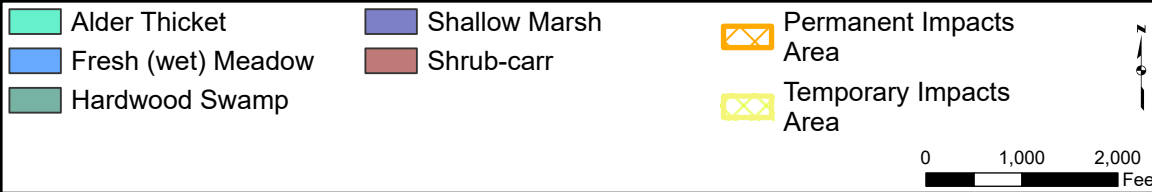
- | |
|--|
|  Permanent Impacts Area |
|  Temporary Impacts Area |

5053-339

MN DNR Determination
Field Delineated Wetlands and Waters
Keetac TSF Project
 United States Steel
 Keewatin, MN



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**MN DNR Determination
Field Delineated Wetlands and Waters
Keetac TSF Project
United States Steel
Keewatin, MN**

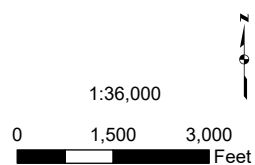
U.S. Steel Keetac Tailings Storage Facility Project EAW

Figure 12.4



This information is for environmental review purposes only.

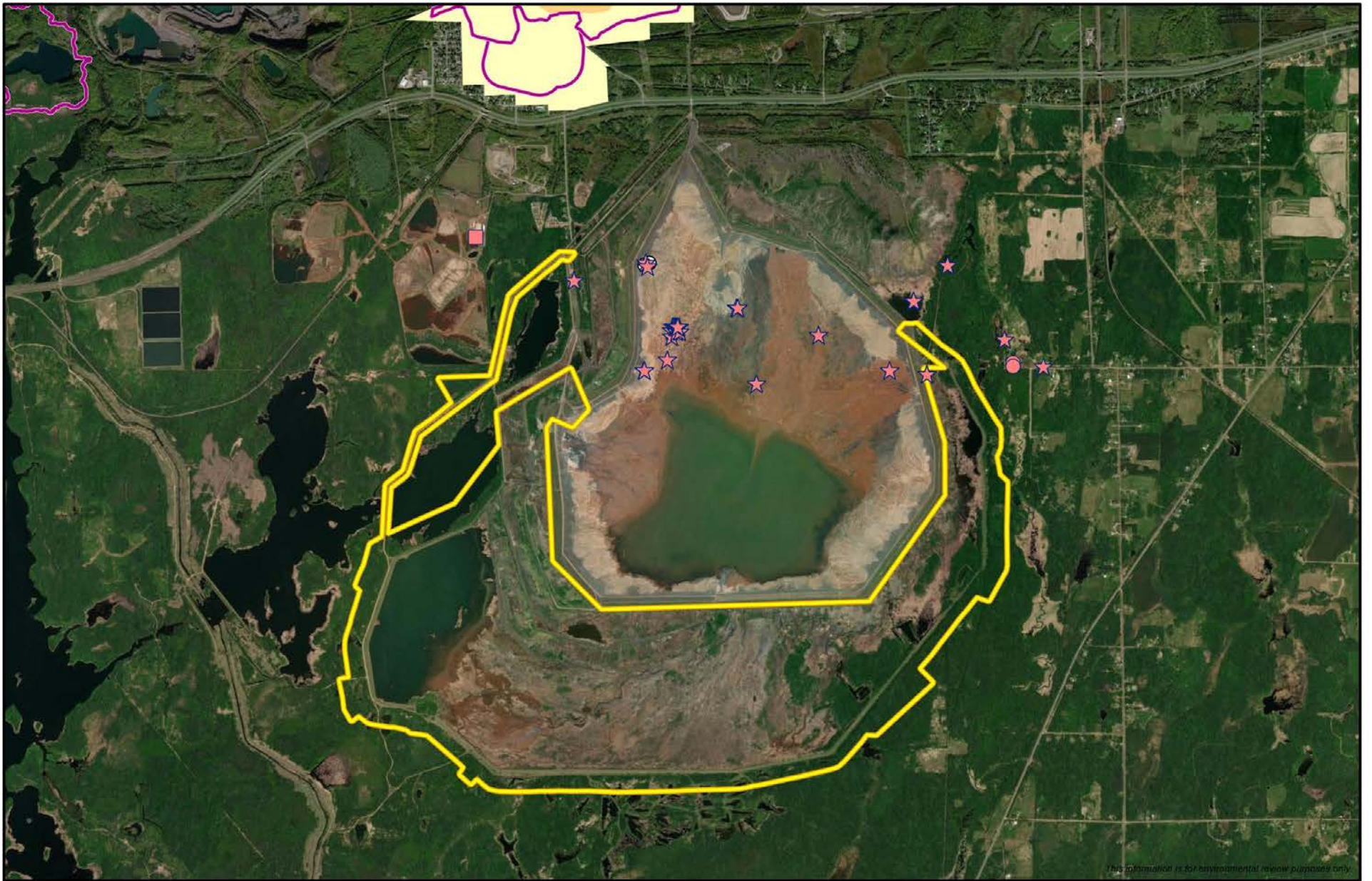
- DNR Determination Made
- Pending DNR Wetland Determination
- County Boundary



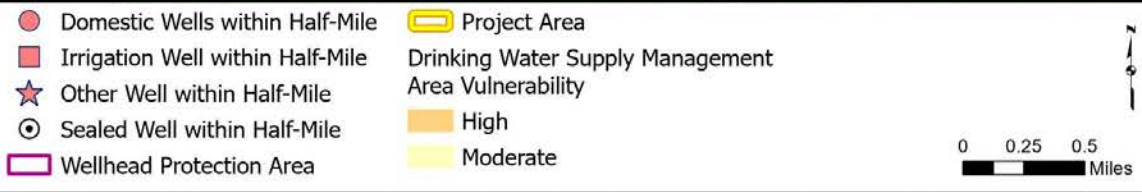
MN DNR Wetland Determination
Keetac TSF Project
 United States Steel
 Keewatin, MN

U.S. Steel Keetac Tailings Storage Facility Project EAW

Figure 12.5



This information is for environmental review purposes only.

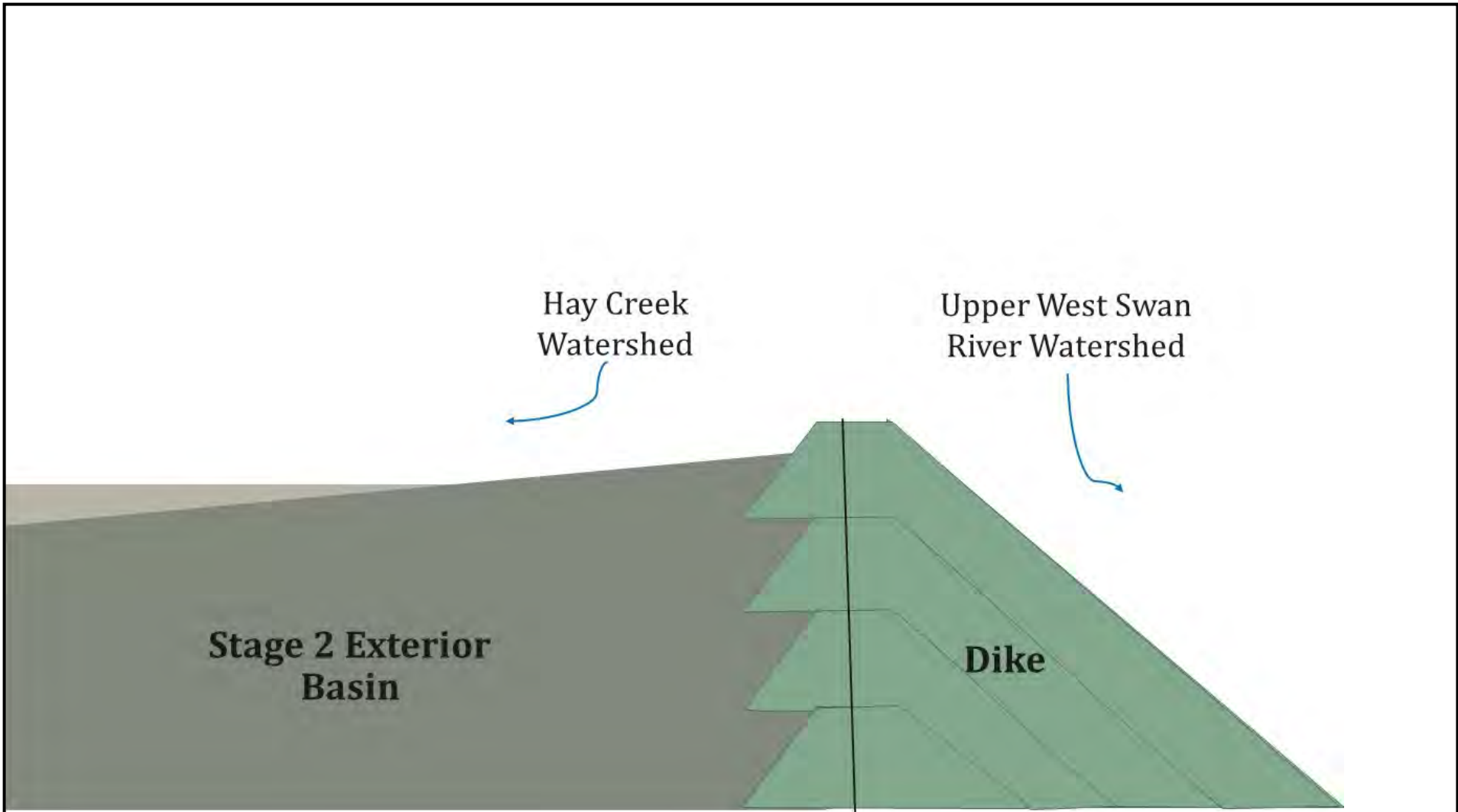


Groundwater Resources
Keetac TSF Project
 United States Steel
 St. Louis and Itasca Counties, MN



U.S. Steel Keetac Tailings Storage Facility Project EAW

Figure 12.6



Current and Post Construction Watershed Boundary

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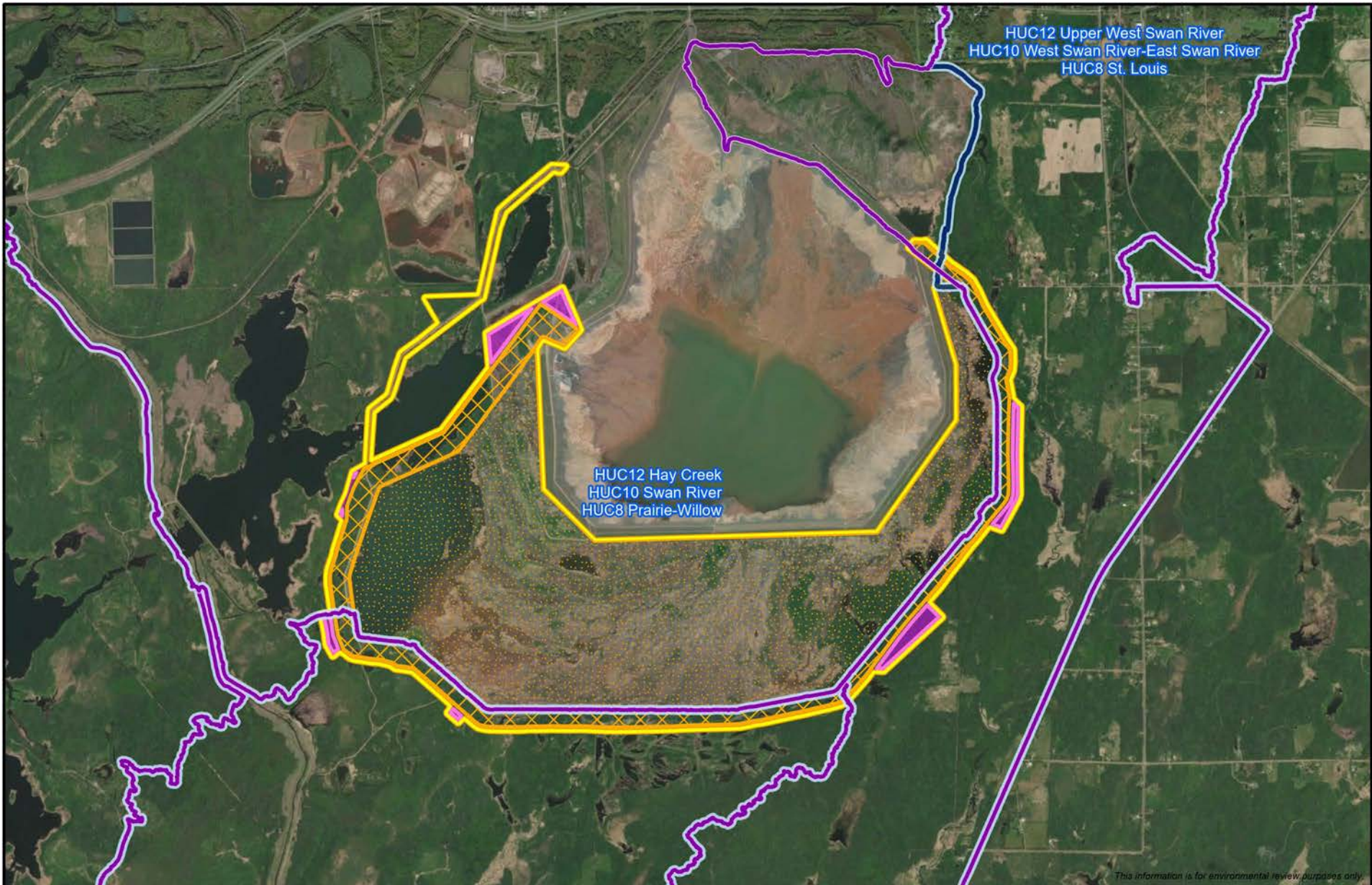


Conceptual Cross Section and Storm Water Runoff Eastern Side of TSF
Keetac TSF Project
 United States Steel
 Keewatin, MN



U.S. Steel Keetac Tailings Storage Facility Project EAW

Figure 12.7



This information is for environmental review purposes only.

Post-Construction Watershed Boundary	Temporary Construction Zone
Current Watershed Boundary	Tailings Deposition Area - On Top of Previous Tailings
Permanent Impacts Area	Project Area

1:48,000

0 1,500 3,000
Feet

Post-Construction Watersheds
Keetac TSF Project
 United States Steel
 Keewatin, MN



U.S. Steel Keetac Tailings Storage Facility Project EAW

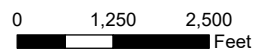
Figure 12.8

O'Brien Diversions Ditch

to Plant
Process Water
Pump for

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Outfall SD005	 Temporary Construction Zone
Pump Location	 Tailings Deposition Area - On Top of Previous Tailings
Water Flow Via Pumping	 Permanent Maintenance Road
Water Flow Via Gravity	 Project Area
 Permanent Impacts Area	



Keetac Water Flows
Keetac TSF Project
United States Steel
Keewatin, MN