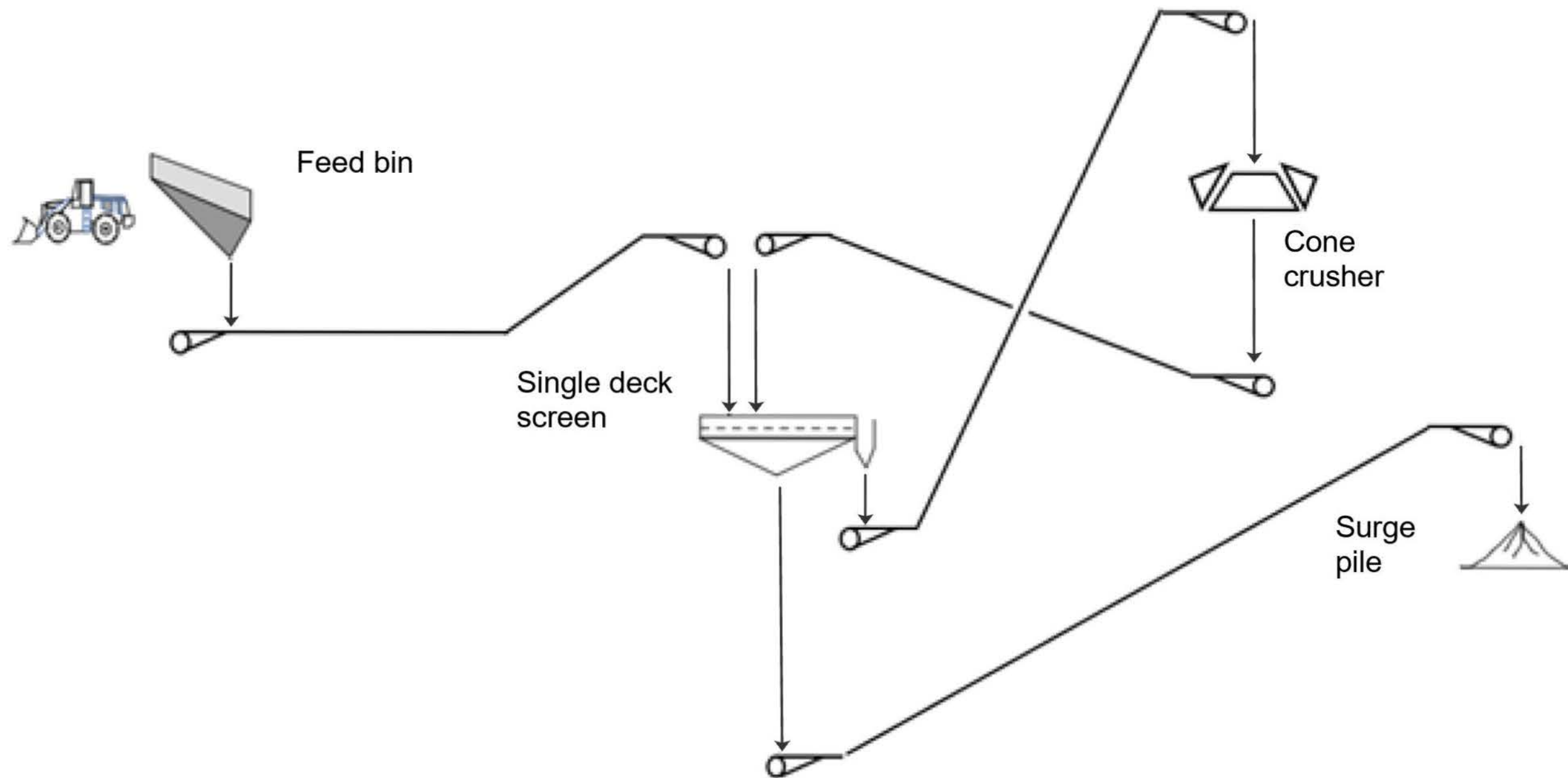
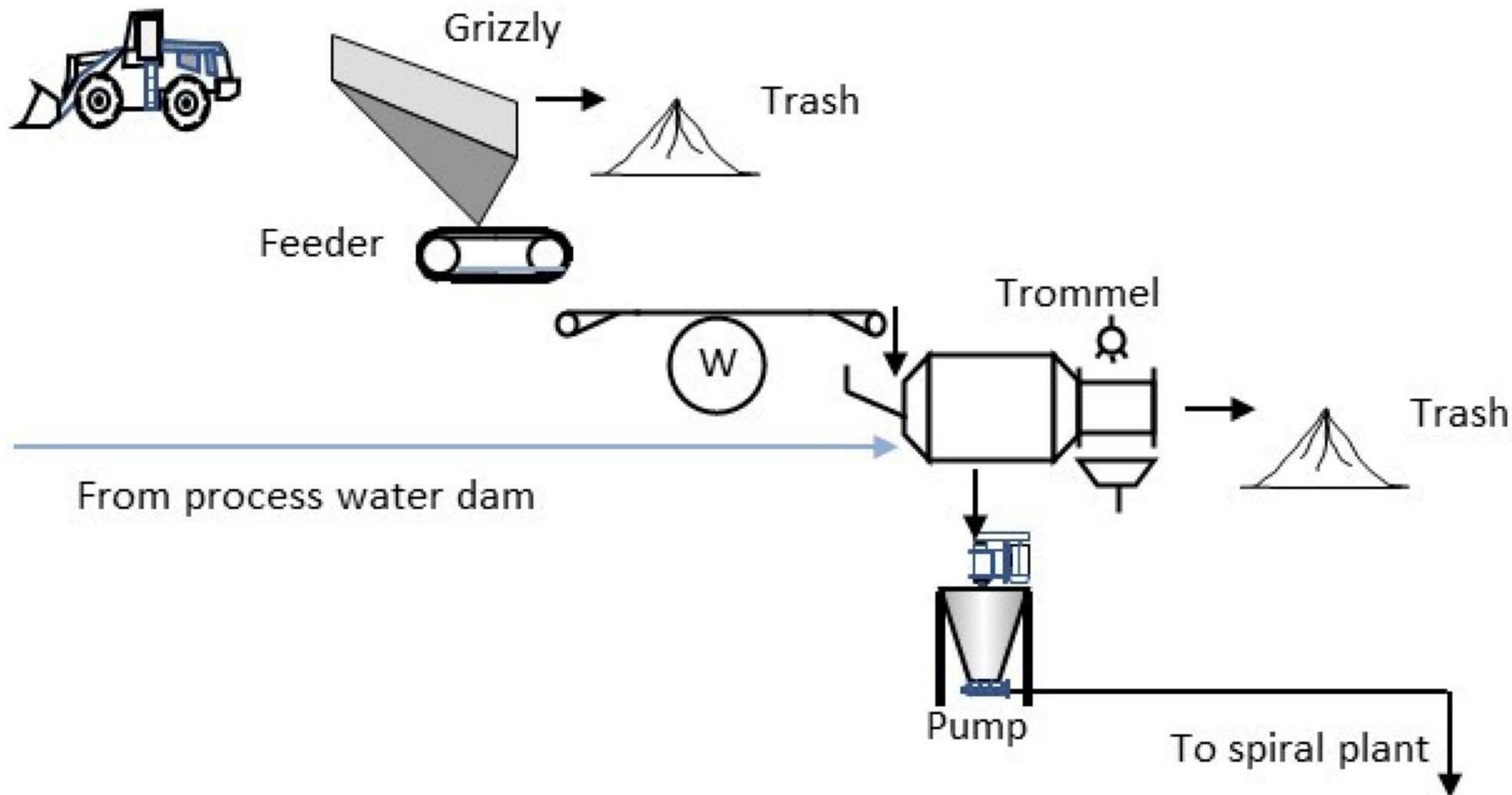




**Calumet Reclamation
Stockpile Feed Layout**
Calumet Reclamation Company
Permit to Mine Application
Itasca County

Figure 11

Map Center Coordinates	
Spatial Reference	
Project Number 22292	Date Created 9/4/2025
Author K Berry, GIS Analyst, NTS	
Data Source	
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Calumet Reclamation Tailings Basin Feed Layout

Calumet Reclamation Company
Permit to Mine Application
Itasca County

Figure 12

Map Center Coordinates

Spatial Reference

Project Number 22292

Date Created 9/4/2025

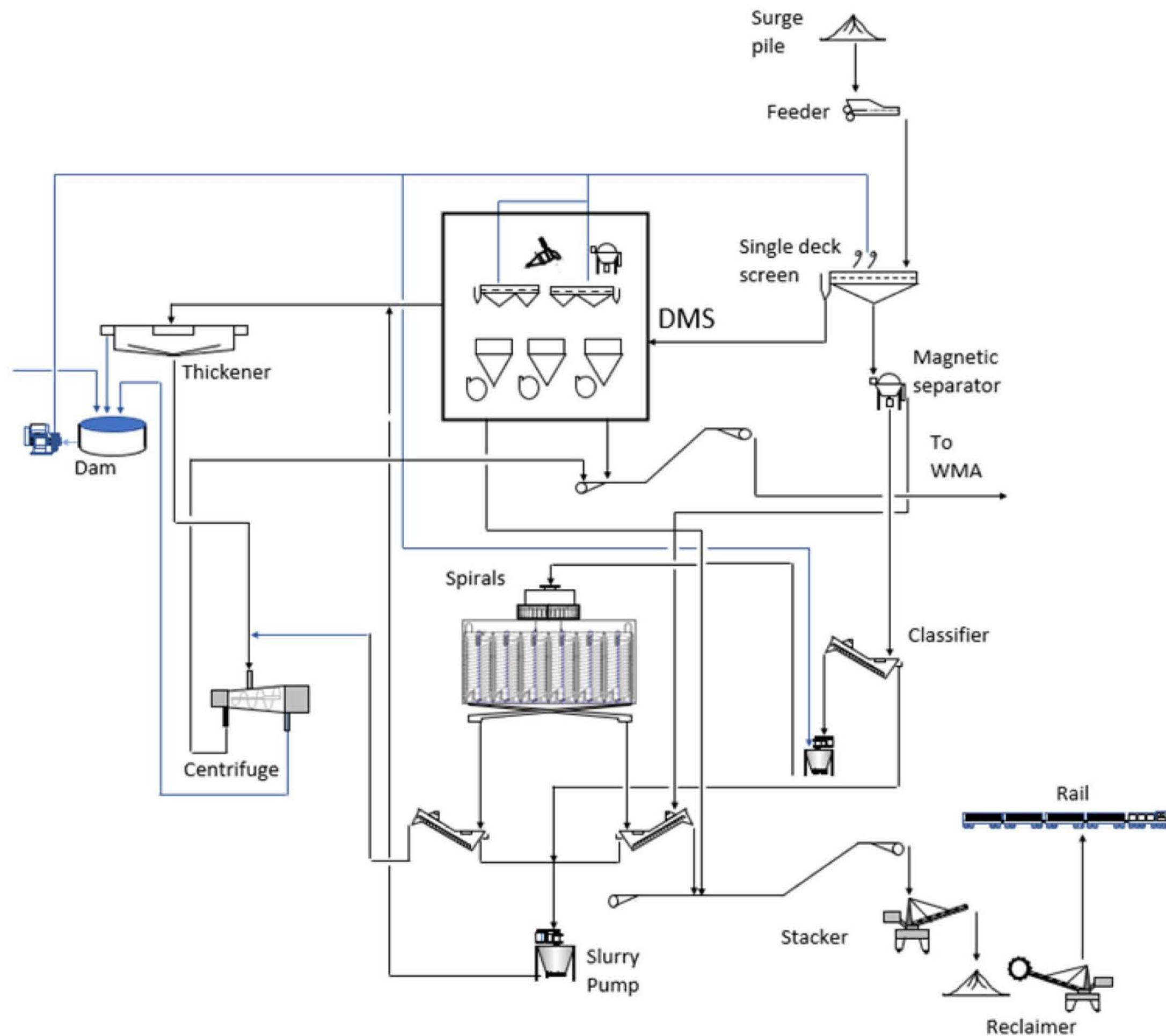
Author K Berry, GIS Analyst, NTS

Data Source

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Calumet Reclamation DMS Plant Process Flow Diagram

Calumet Reclamation Company
Permit to Mine Application
Itasca County

Figure 13

Map Center Coordinates

Spatial Reference

Project Number 22292

Date Created 9/4/2025

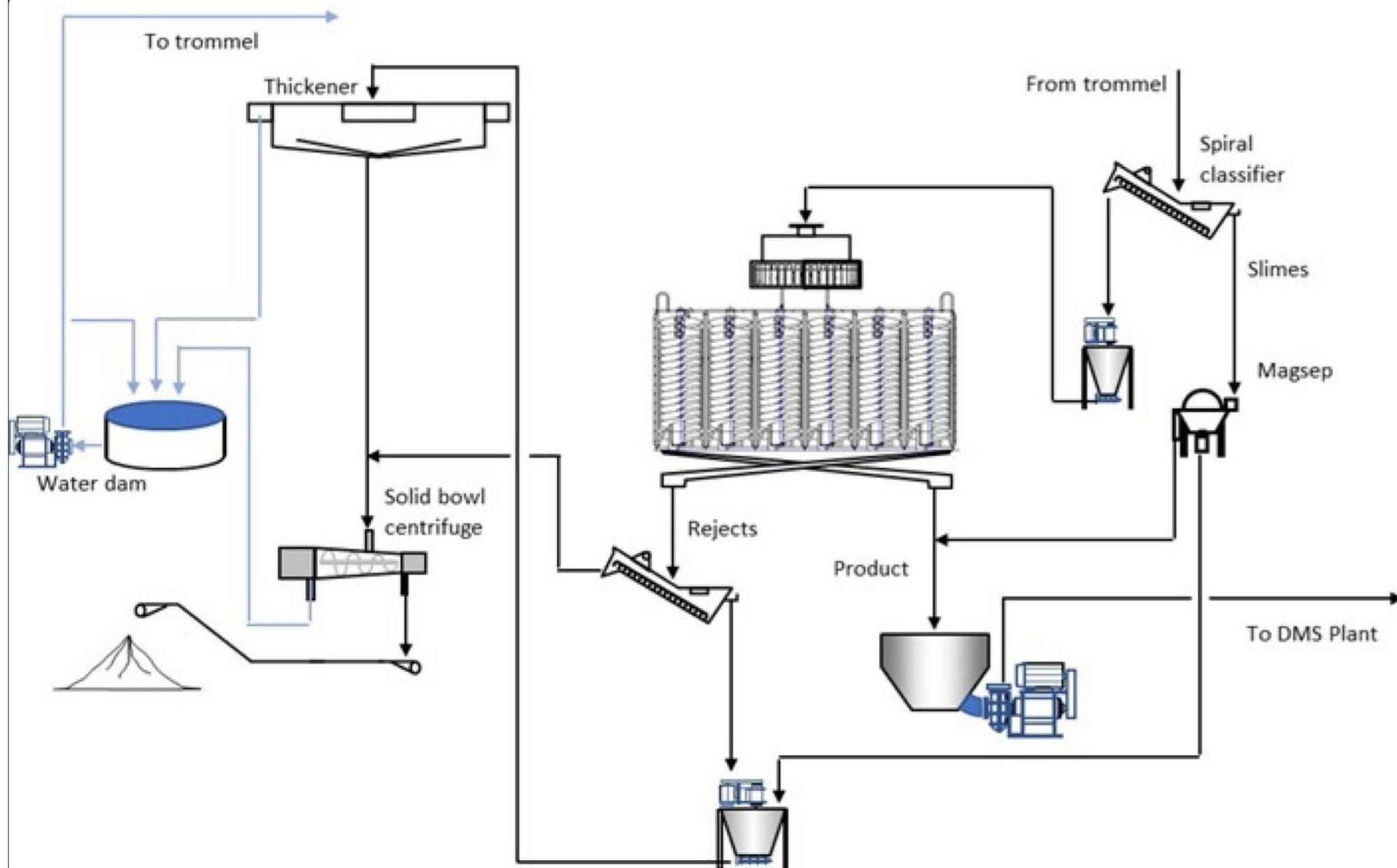
Author K Berry, GIS Analyst, NTS

Data Source

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Calumet Reclamation Spiral Plant Process Flow Diagram

Calumet Reclamation Company
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Itasca County

Figure 14

Map Center Coordinates

Spatial Reference

Project Number 22292

Date Created 9/4/2025

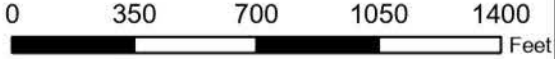
Author K Berry, GIS Analyst, NTS

Data Source

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Scale 1:6,600
1 inch equals 550 feet

Legend

- Surge Pile
- Plant Area
- Infiltration Pond (Pre-Final Design)
- Infiltration Pretreatment Pond (Pre-Final Design)
- Mining Area
- Year 1
 - Feed Conveyor
 - Proposed PipeLine
 - Water Line
 - Reject Conveyor
 - Crusher
 - Crusher Spread
 - Crusher Stockpile
 - Waste Managment Area
 - Not Mined Areas
 - Mined Areas
 - Graded Process Area
 - Proposed Road Bridge

Annual Progress of Northern Stockpiles: End of Year 1

Calumet Reclamation Company
Permit to Mine Application
Itasca County

Figure 19A

Map Center Coordinates 15T 480418 5242102

Spatial Reference NAD 1983 UTM Zone 15N

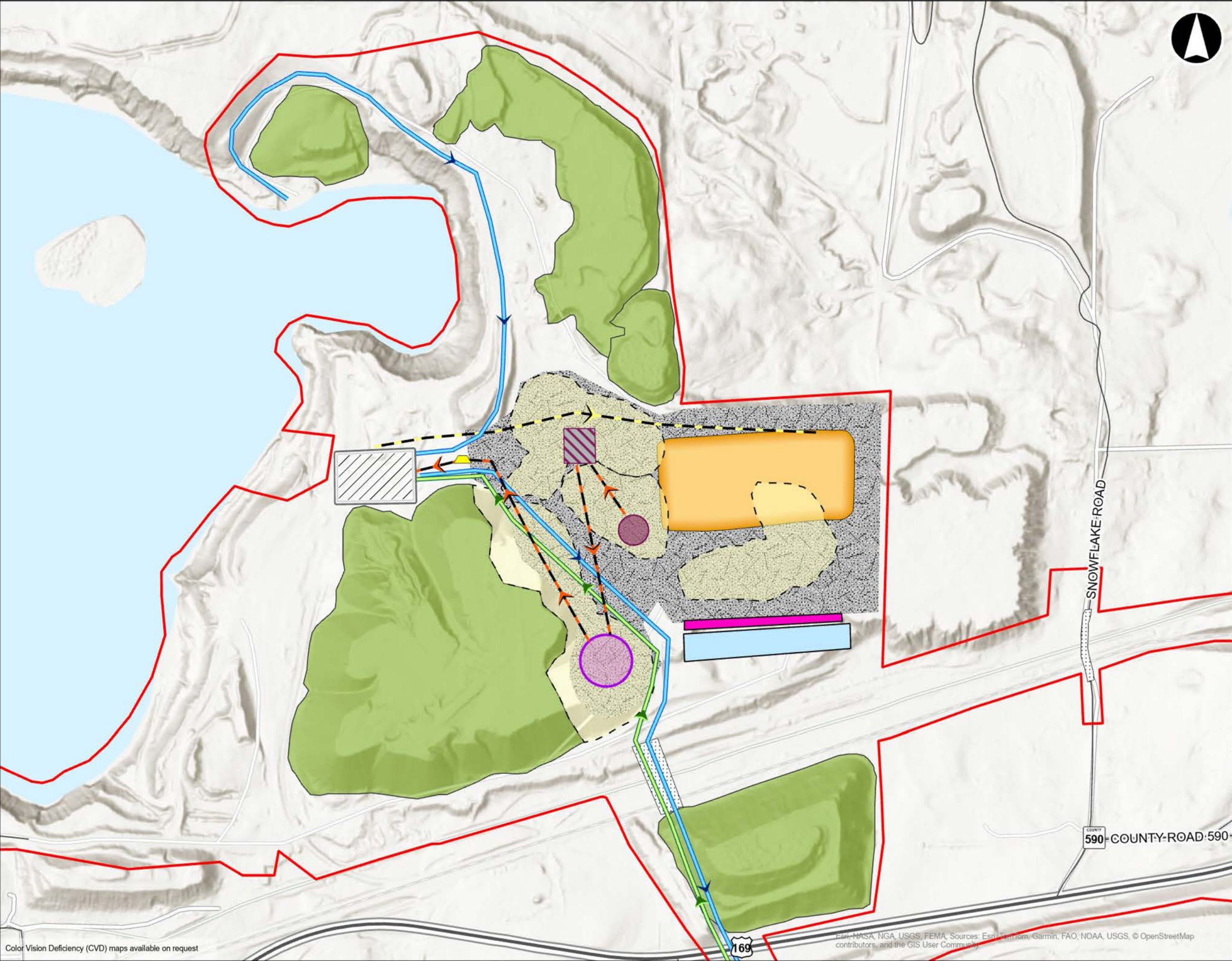
Project Number 22292 Date Created 9/4/2025

Author K Berry, GIS Analyst, NTS

Data Source

MN-DOT Route Centerlines - State of Minnesota GeoCommons - <https://gisdata.mn.gov/dataset/trans-roads-centerlines>

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0 350 700 1050 1400 Feet

Scale 1:6,600
1 inch equals 550 feet

Legend

- Surge Pile
- Plant Area
- Infiltration Pond (Pre-Final Design)
- Infiltration Pretreatment Pond (Pre-Final Design)
- Mining Area
- Year 2
 - Feed Conveyor
 - Proposed PipeLine
 - Water Line
 - Reject Conveyor
 - Crusher
 - Crusher Spread
 - Crusher Stockpile
 - Mined Areas
 - Waste Management Area
 - Not Mined Areas
 - Graded Process Area
 - Proposed Road Bridge

Annual Progress of Northern
Stockpiles: End of Year 2
Calumet Reclamation Company
Permit to Mine Application
Itasca County

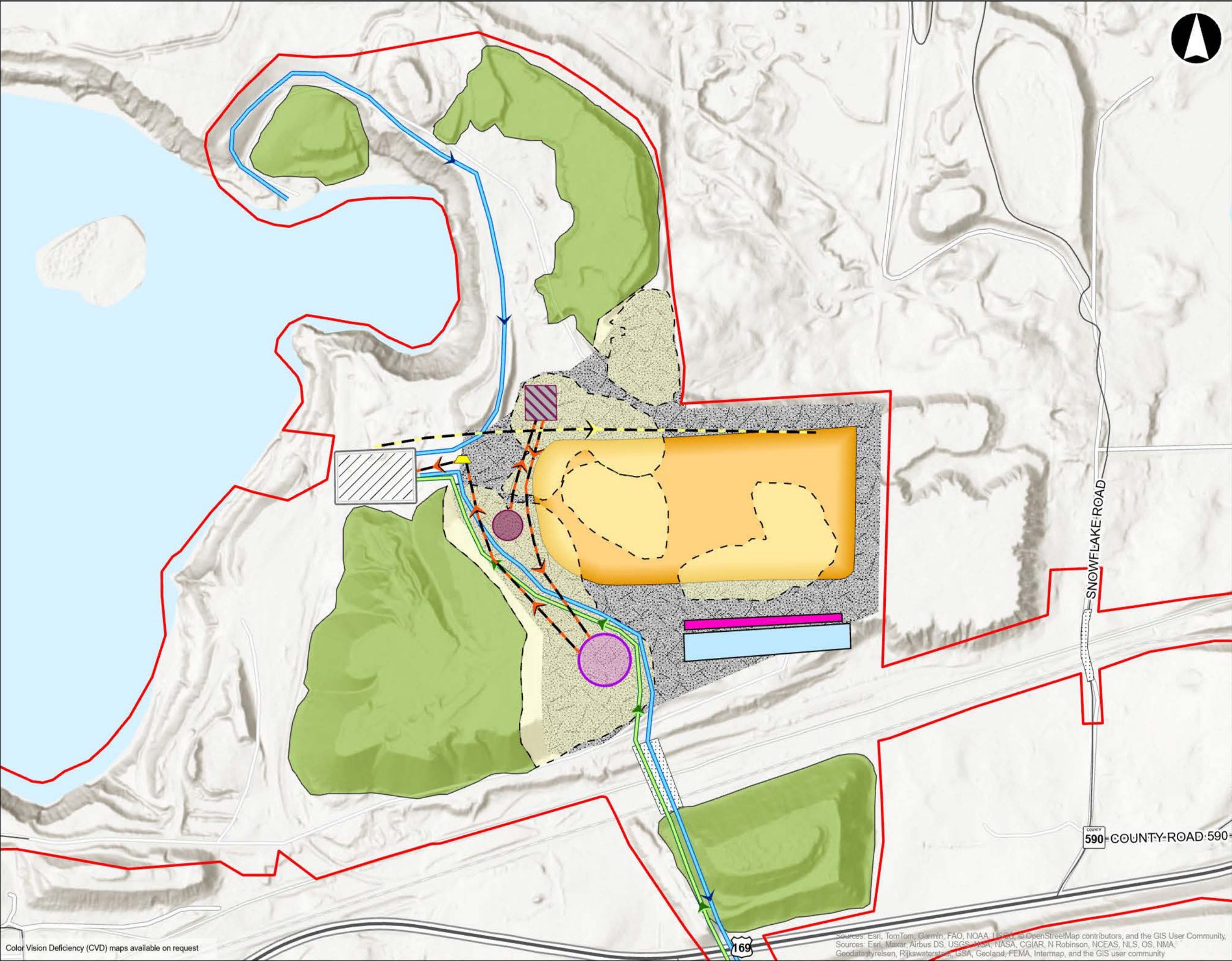
Figure 19B

Map Center Coordinates 15T 480418 5242102	
Spatial Reference NAD 1983 UTM Zone 15N	
Project Number 22292	Date Created 9/4/2025
Author K Berry, GIS Analyst, NTS	

Data Source
MN-DOT Route Centerlines - State of Minnesota GeoCommons - <https://gisdata.mn.gov/dataset/trans-roads-centerlines>

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0 350 700 1050 1400 Feet

Scale 1:6,600
1 inch equals 550 feet

Legend

- Surge Pile
- Plant Area
- Infiltration Pond (Pre-Final Design)
- Infiltration Pretreatment Pond (Pre-Final Design)
- Mining Area
- Year 3
 - Reject Conveyor
 - Feed Conveyor
 - Proposed PipeLine
 - Water Line
 - Crusher
 - Crusher Spreader
 - Crusher Stockpile
 - Mined Areas
 - Waste Managment Area
 - Not Mined Areas
 - Graded Process Area
 - Proposed Road Bridge

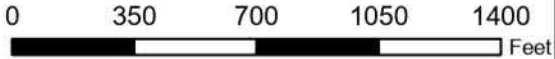
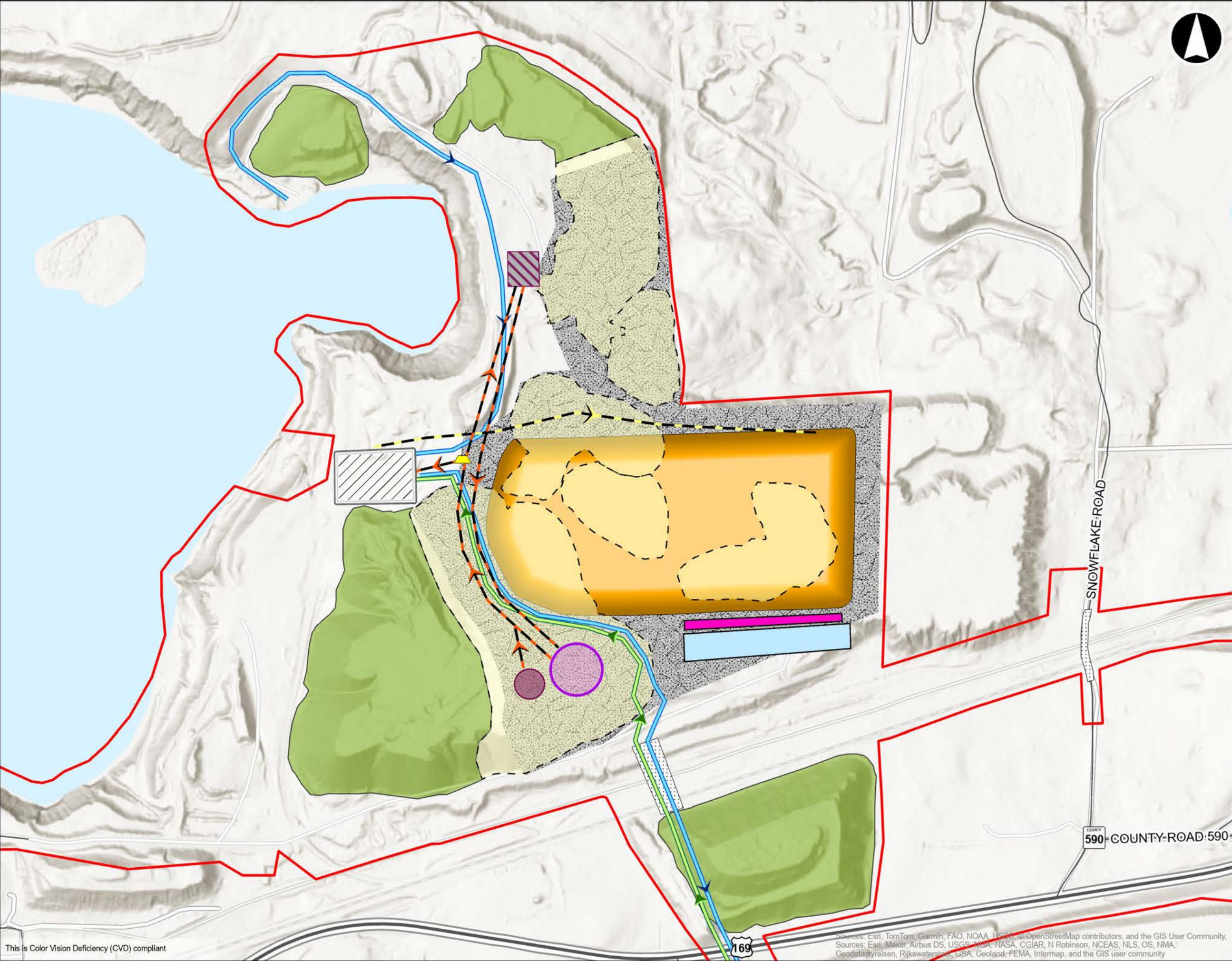
Annual Progress of Northern Stockpiles: End of Year 3
Calumet Reclamation Company
Permit to Mine Application
Itasca County

Figure 19C

Map Center Coordinates 15T 480418 5242102	
Spatial Reference NAD 1983 UTM Zone 15N	
Project Number 22292	Date Created 9/4/2025
Author K Berry, GIS Analyst, NTS	

Data Source
MN-DOT Route Centerlines - State of Minnesota GeoCommons - <https://gisdata.mn.gov/dataset/trans-roads-centerlines>

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Scale 1:6,600
1 inch equals 550 feet

Legend

- Surge Pile
- Plant Area
- Infiltration Pond (Pre-Final Design)
- Infiltration Pretreatment Pond (Pre-Final Design)
- Mining Area
- Year 4
 - Feed Conveyor
 - Reject Conveyor
 - Proposed PipeLine
 - Water Line
 - Crusher Stockpile
 - Crusher Spreader
 - Crusher
 - Mined Areas
 - Not Mined Areas
 - Waste Managment Area
 - Graded Process Area
 - Proposed Road Bridge

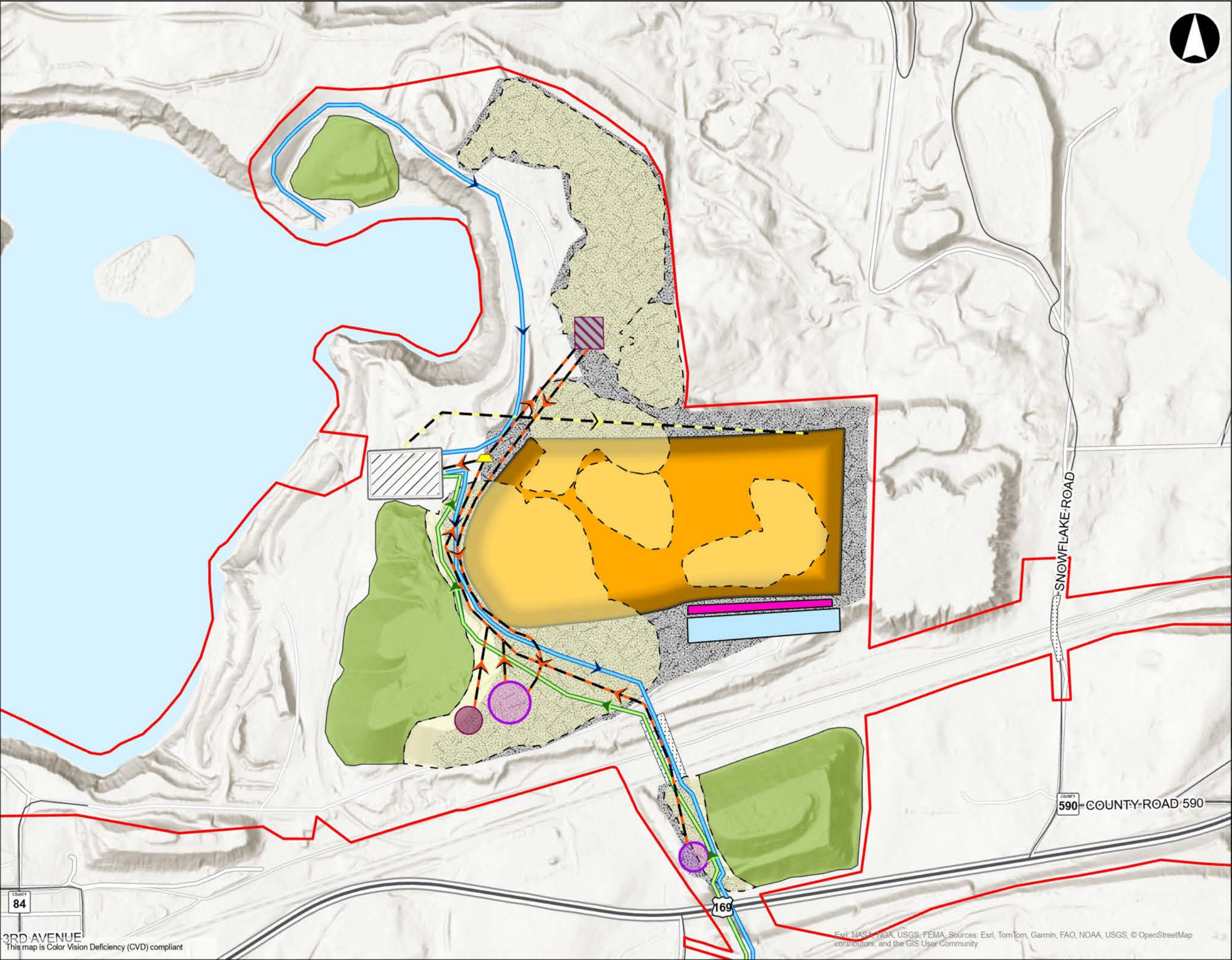
Annual Progress of Northern
Stockpiles: End of Year 4
Calumet Reclamation Company
Permit to Mine Application
Itasca County

Figure 19D

Map Center Coordinates 15T 480418 5242102	
Spatial Reference NAD 1983 UTM Zone 15N	
Project Number 22292	Date Created 9/4/2025
Author K Berry, GIS Analyst, NTS	

Data Source
MN-DOT Route Centerlines - State of Minnesota GeoCommons - <https://gisdata.mn.gov/dataset/trans-roads-centerlines>

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035070010501400

Feet

Scale 1:7,200

1 inch equals 600 feet

Legend

Surge Pile

Plant Area

Infiltration Pond (Pre-Final Design)

Infiltration Pretreatment Pond (Pre-Final Design)

Mining Area

Year 5

Water Line

Proposed PipeLine

Feed Conveyor

Reject Conveyor

Jaw Crusher

Crusher Stockpile

Crusher Spreader

Mined Areas

Waste Management Area

Nont Mined Areas

Graded Process Area

Proposed Road Bridge

Annual Progress of Northern
Stockpiles: End of Year 5

Calumet Reclamation Company

Permit to Mine Application
Itasca County

Figure 19E

Map Center Coordinates 15T 480398 5242097

Spatial Reference NAD 1983 UTM Zone 15N

Project Number 22292

Date Created 9/4/2025

Author K Berry, GIS Analyst, NTS

Data Source

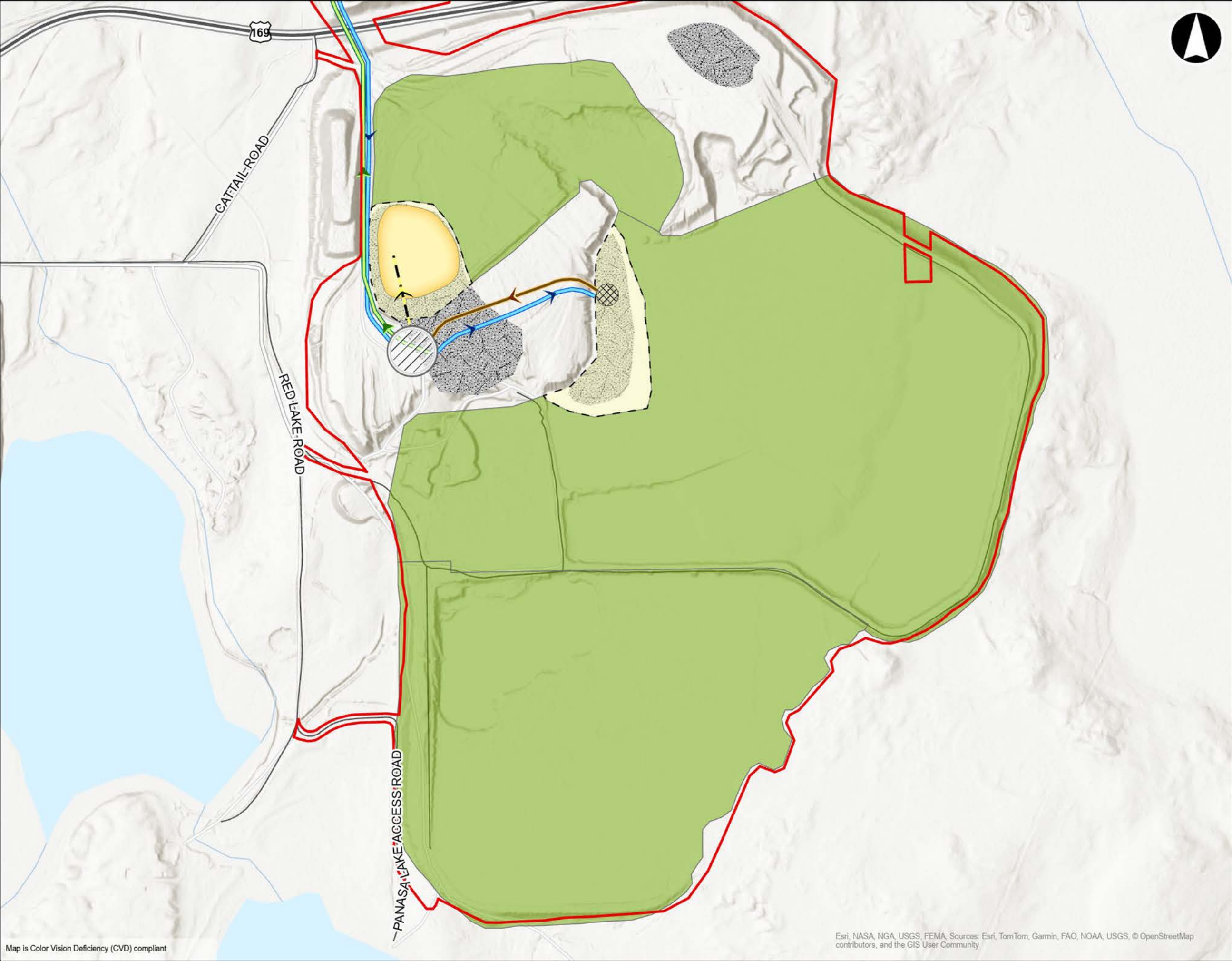
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0 350 700 1050 1400
Feet

Scale 1:9,600
1 inch equals 800 feet

Legend

Mining Area

Spiral Plant Area

Year 1

➤ Reject Conveyor

➤ Slurry Pipeline

➤ Water Pipeline

➤ Proposed PipeLine

Year 1

Loader and Trommel Screen

Mined Areas

Waste Managment Area

Not Mined Areas

Processed Graded Area

Annual Progress of Southern Tailings: End of Year 1

Calumet Reclamation Company
Permit to Mine Application
Itasca County

Figure 20A

Map Center Coordinates 15T 481336 5240039

Spatial Reference NAD 1983 UTM Zone 15N

Project Number 22292

Date Created 9/4/2025

Author K Berry, GIS Analyst, NTS

Data Source

MN-DOT Route Centerlines - State of Minnesota GeoCommons - <https://gisdata.mn.gov/dataset/trans-roads-centerlines>

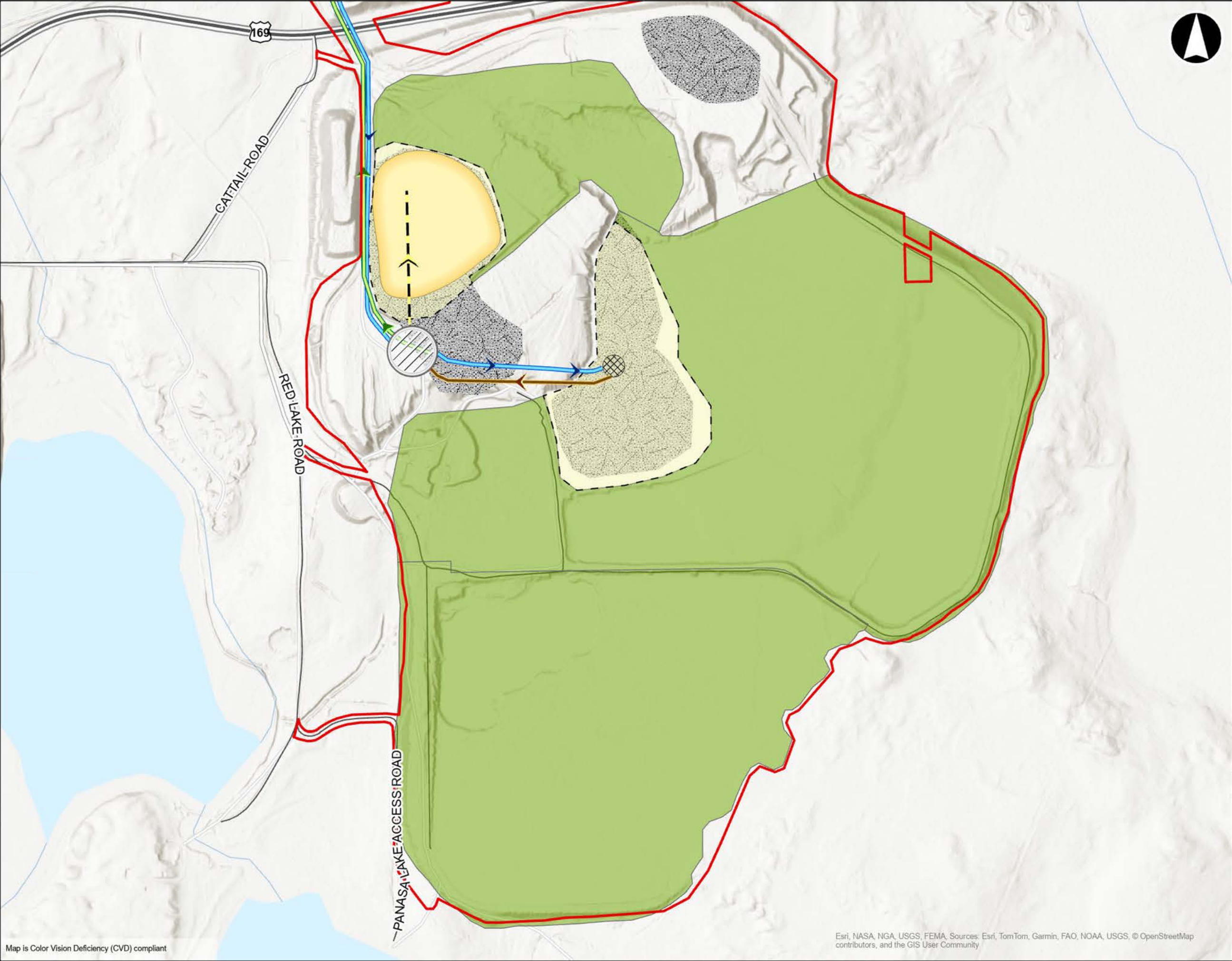
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Map is Color Vision Deficiency (CVD) compliant



0 350 700 1050 1400
Feet

Scale 1:9,600
1 inch equals 800 feet

Legend

- Mining Area
- Spiral Plant Area
- Proposed PipeLine
- Year 2
 - Water Pipeline
 - Slurry Pipeline
 - Reject Conveyor
 - Loader and Trommel Screen
 - Mined Areas
 - Waste Managment Area
 - Not Mined Areas
 - Processed Graded Area

Annual Progress of Southern Tailings: End of Year 2

Calumet Reclamation Company
Permit to Mine Application
Itasca County

Figure 20B

Map Center Coordinates 15T 481336 5240039

Spatial Reference NAD 1983 UTM Zone 15N

Project Number 22292 Date Created 9/4/2025

Author K Berry, GIS Analyst, NTS

Data Source

MN-DOT Route Centerlines - State of Minnesota GeoCommons - <https://gisdata.mn.gov/dataset/trans-roads-centerlines>

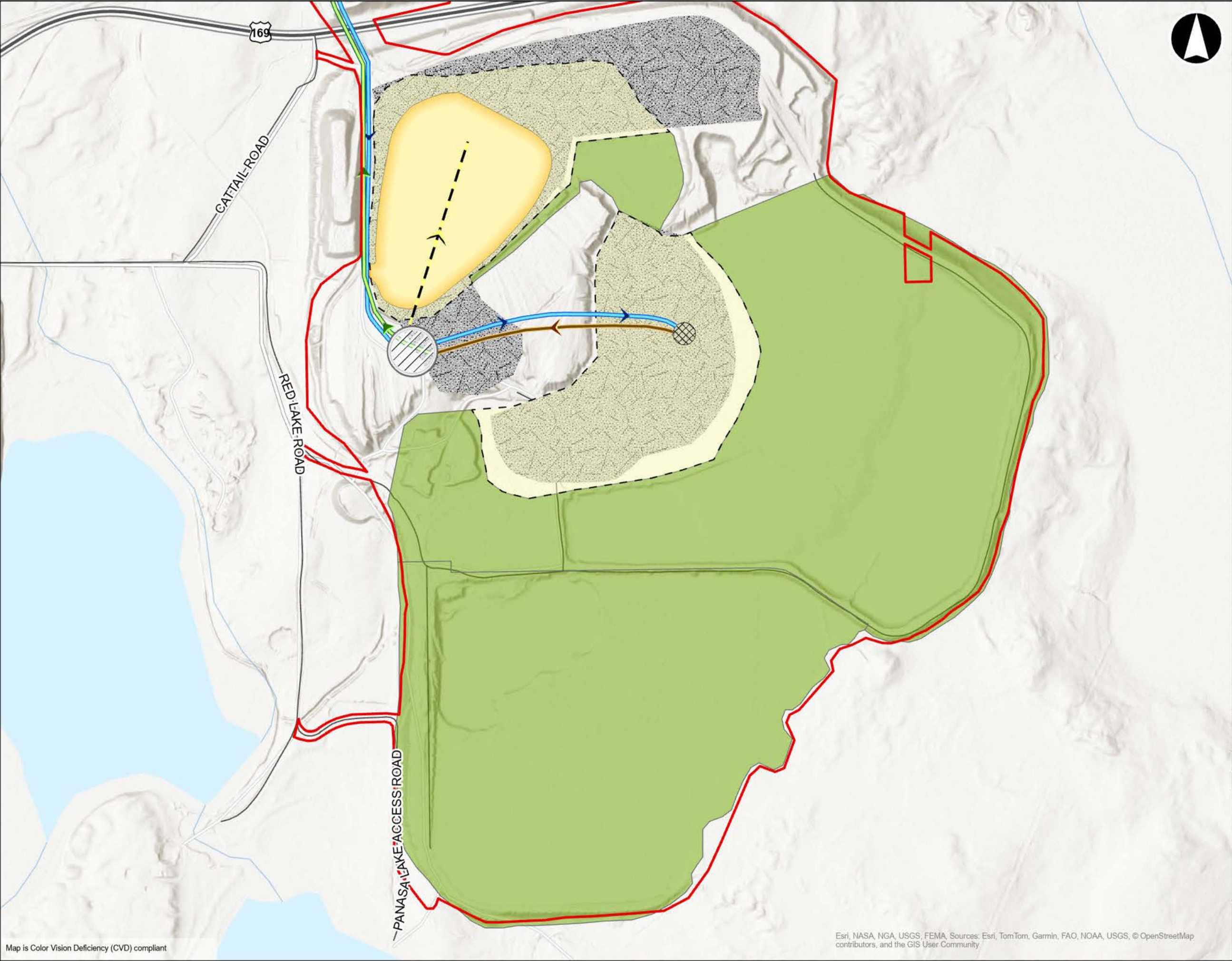
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Map is Color Vision Deficiency (CVD) compliant



0 350 700 1050 1400
Feet

Scale 1:9,600
1 inch equals 800 feet

Legend

- Mining Area
- Spiral Plant Area
- Proposed PipeLine
- Year 3
 - Water Pipeline
 - Slurry Pipeline
 - Reject Conveyor
 - Loader and Trommel Screen
 - Mined Areas
 - Not Mined Areas
 - Waste Managment Area
 - Processed Graded Area

Annual Progress of Southern Tailings: End of Year 3

Calumet Reclamation Company
Permit to Mine Application
Itasca County

Figure 20C

Map Center Coordinates 15T 481336 5240039

Spatial Reference NAD 1983 UTM Zone 15N

Project Number 22292 Date Created 9/4/2025

Author K Berry, GIS Analyst, NTS

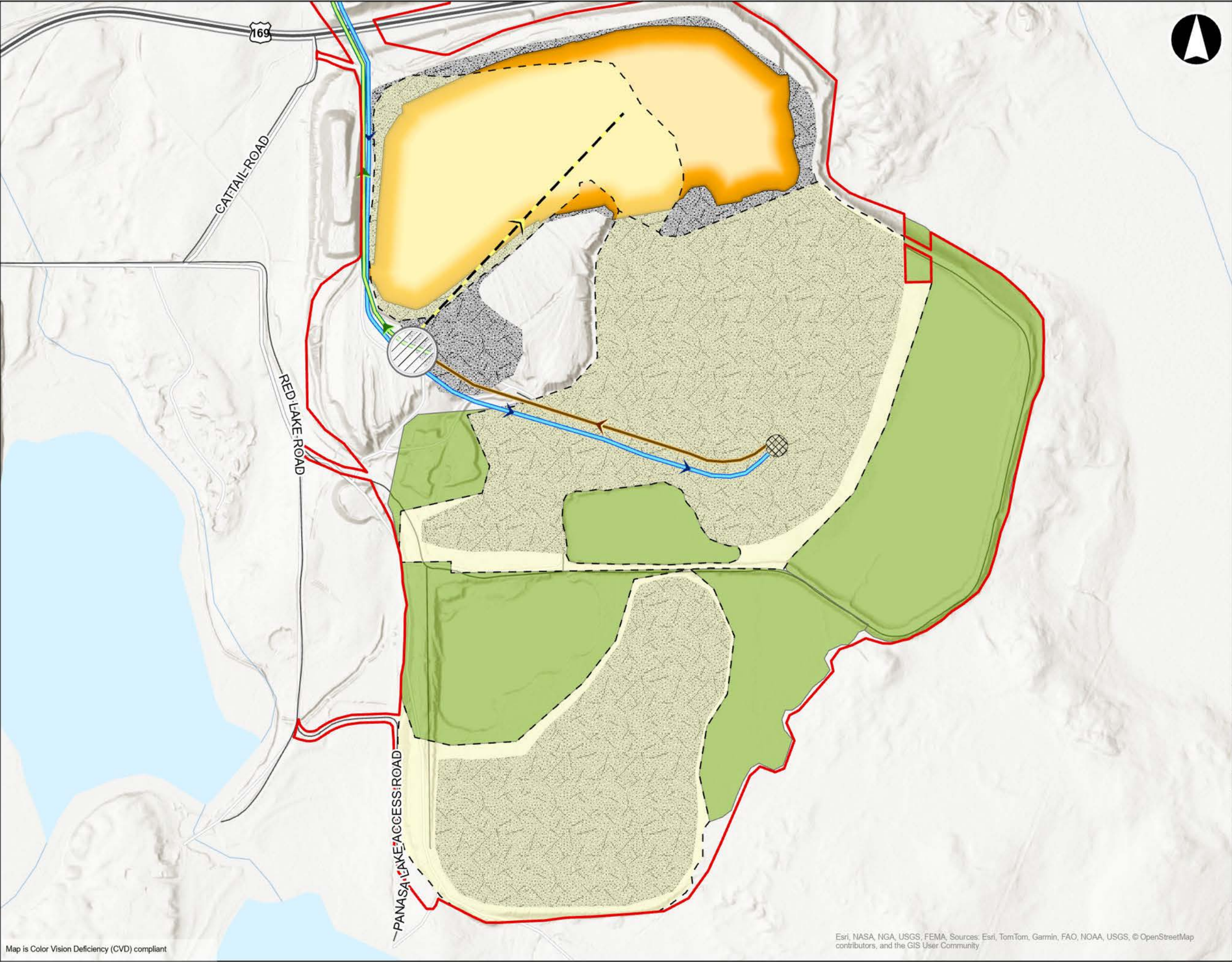
Data Source

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0 350 700 1050 1400
Feet
Scale 1:9,600
1 inch equals 800 feet

Legend

- Mining Area
- Spiral Plant Area
- Proposed PipeLine
- Year 5
 - Water Pipeline
 - Slurry Pipeline
 - Reject Conveyor
 - Loader and Trommel Screen
 - Mined Areas
 - Not Mined Areas
 - Waste Managment Area
 - Processed Graded Areas

Annual Progress of Southern
Tailings: End of Year 4

Calumet Reclamation Company
Permit to Mine Application
Itasca County

Figure 20D

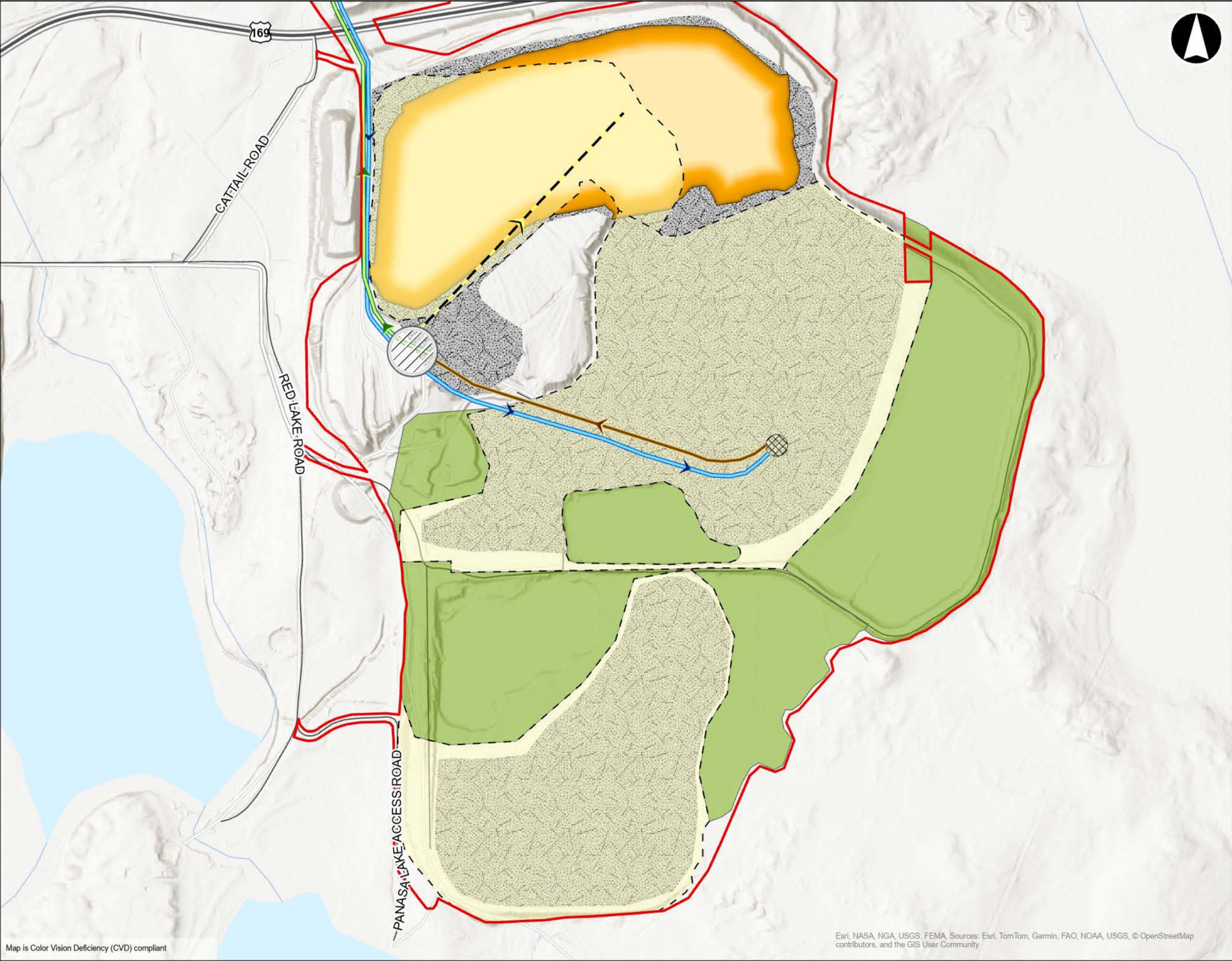
Map Center Coordinates 15T 481336 5240039	
Spatial Reference NAD 1983 UTM Zone 15N	
Project Number 22292	Date Created 9/4/2025
Author K Berry, GIS Analyst, NTS	

Data Source
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0 350 700 1050 1400
Feet
Scale 1:9,600
1 inch equals 800 feet

Legend

- Mining Area
- Spiral Plant Area
- Proposed PipeLine
- Year 5
 - Water Pipeline
 - Slurry Pipeline
 - Reject Conveyor
 - Loader and Trommel Screen
 - Mined Areas
 - Not Mined Areas
 - Waste Managment Area
 - Processed Graded Areas

Annual Progress of Southern
Tailings: End of Year 5

Calumet Reclamation Company
Permit to Mine Application
Itasca County

Figure 20E

Map Center Coordinates 15T 481336 5240039

Spatial Reference NAD 1983 UTM Zone 15N

Project Number 22292 Date Created 9/4/2025

Author K Berry, GIS Analyst, NTS

Data Source

MN-DOT Route Centerlines - State of Minnesota GeoCommons - <https://gisdata.mn.gov/dataset/trans-roads-centerlines>

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