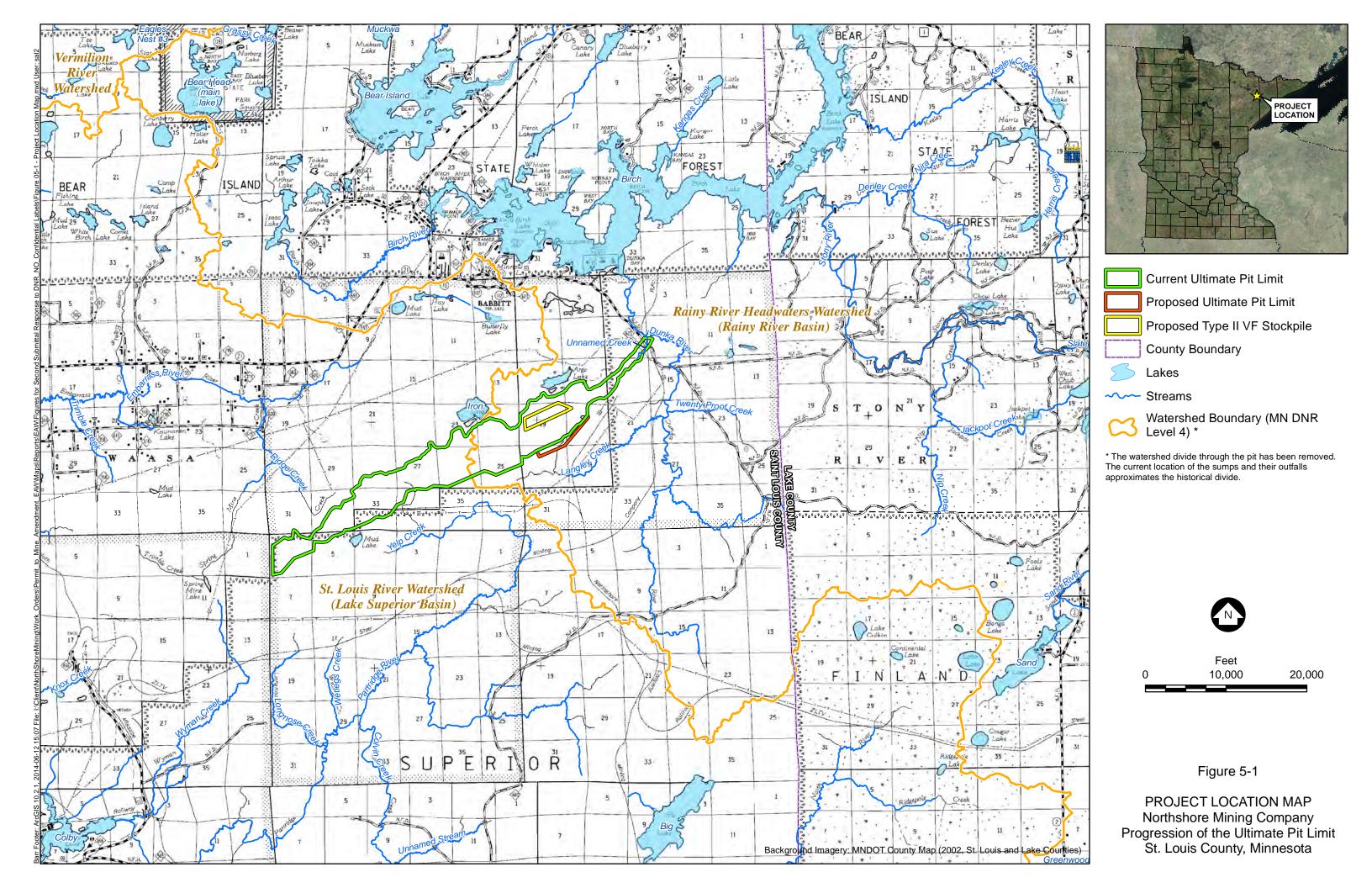
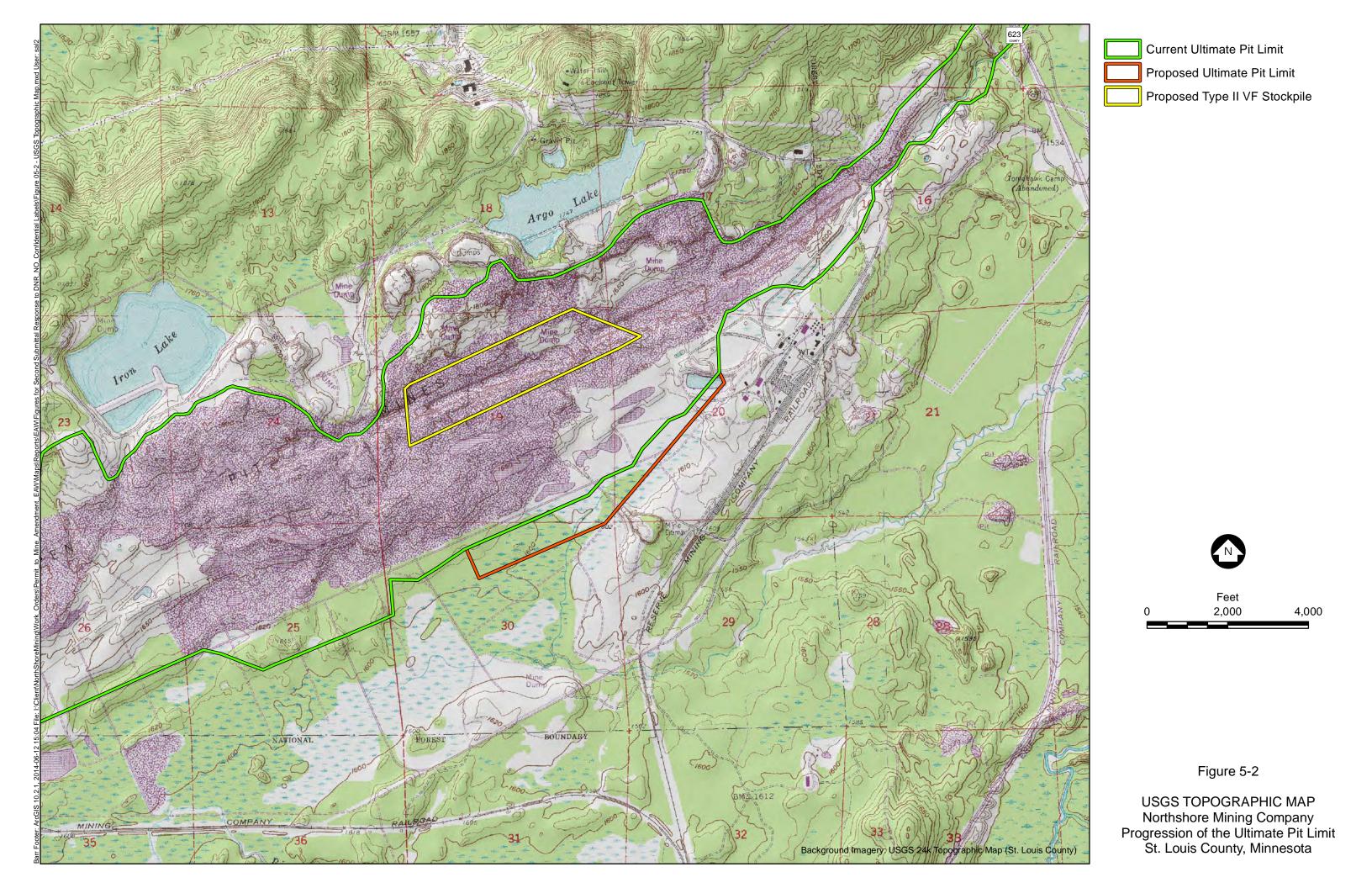
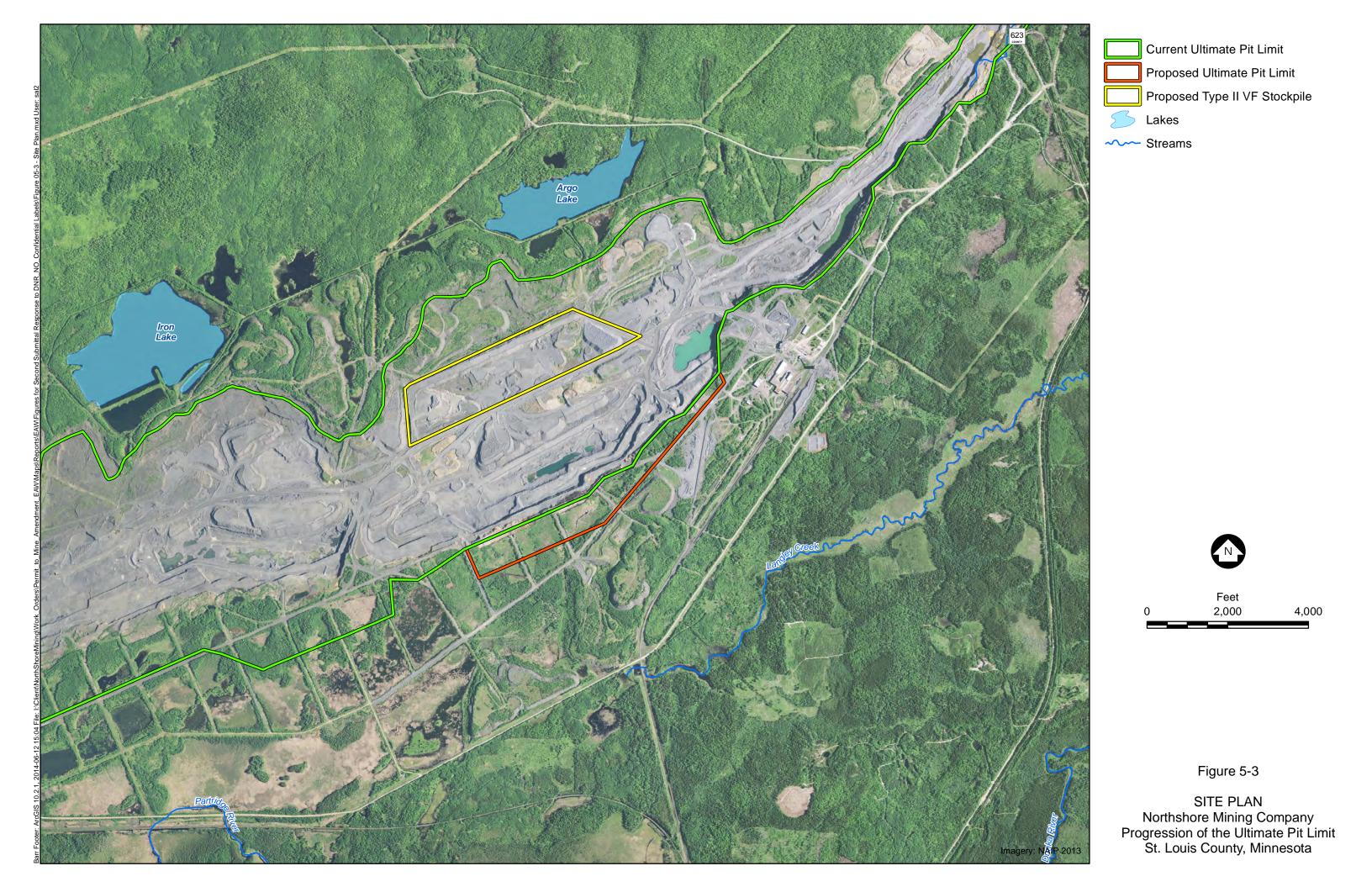
ENVIRONMENTAL ASSESSMENT WORKSHEET LIST OF FIGURES

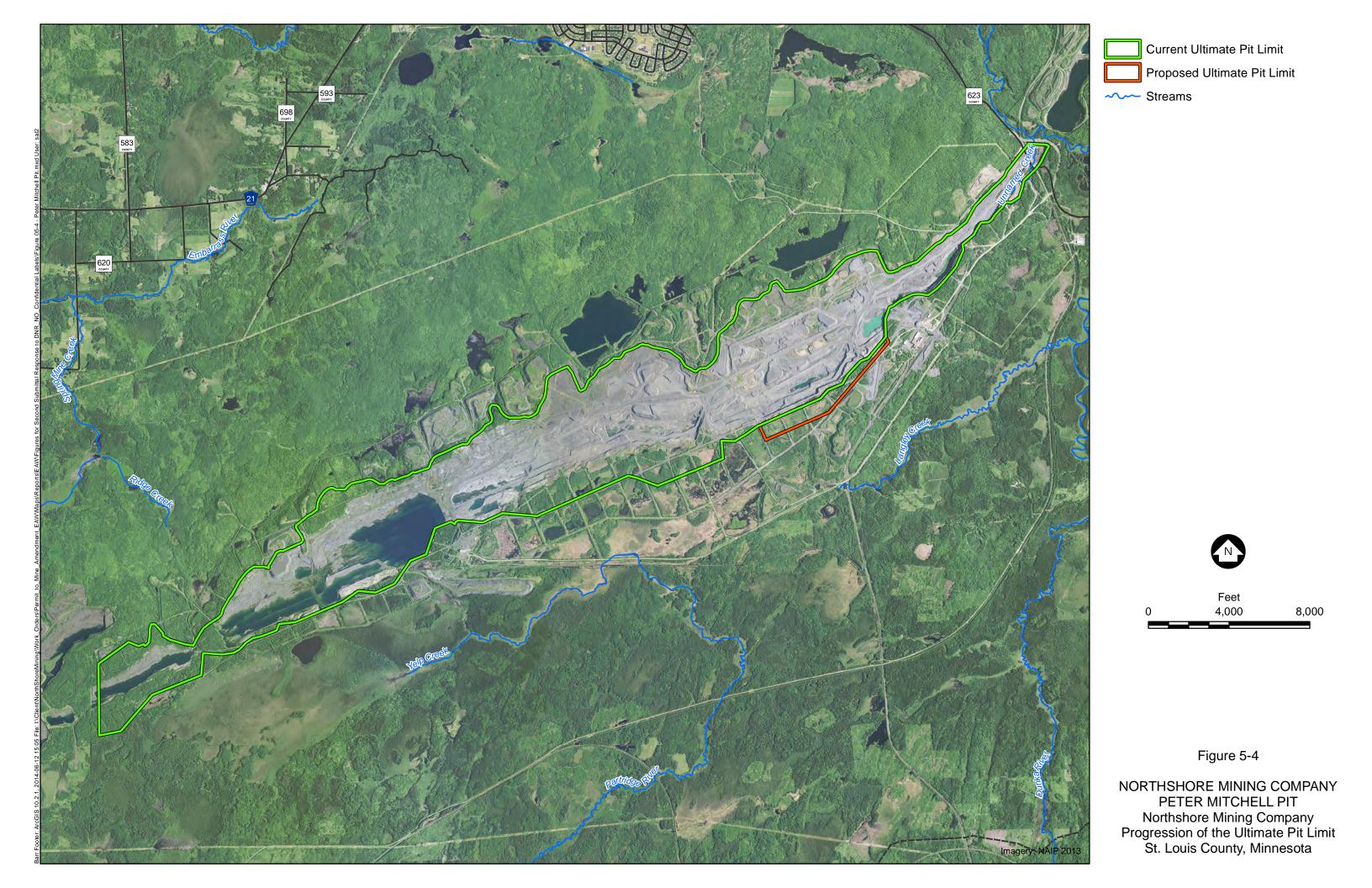
Northshore Mining Company Progression of the Ultimate Pit Limit Project St. Louis County, Minnesota

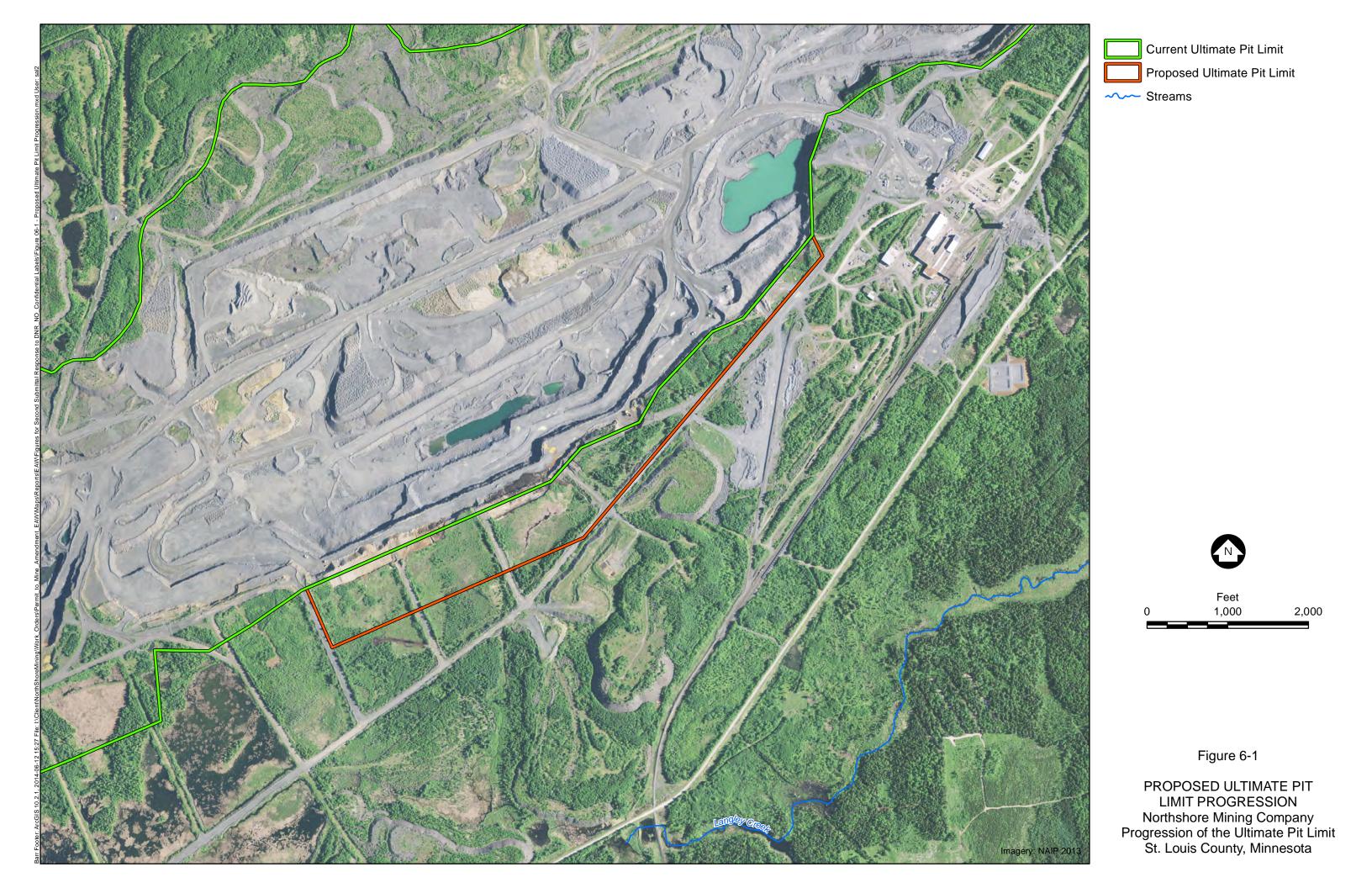
Figure 5-1	Project Location Map
Figure 5-2	USGS Topographic Map
Figure 5-3	Site Plan
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Figure 19-1	NPDES Outfall Locations
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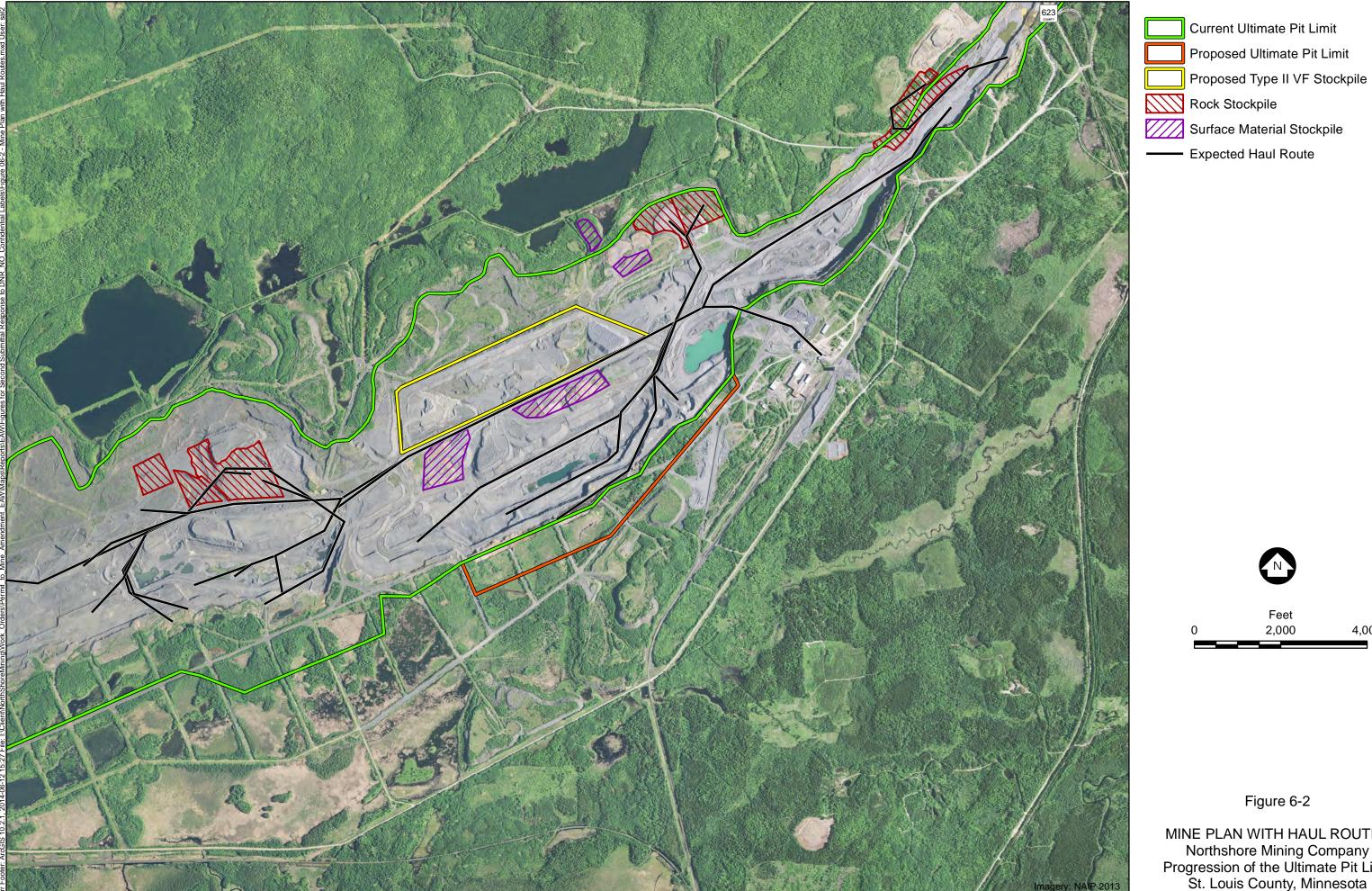












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MINE PLAN WITH HAUL ROUTES Northshore Mining Company
Progression of the Ultimate Pit Limit
St. Louis County, Minnesota



Northshore Mining Company
Progression of the Ultimate Pit Limit
St. Louis County, Minnesota

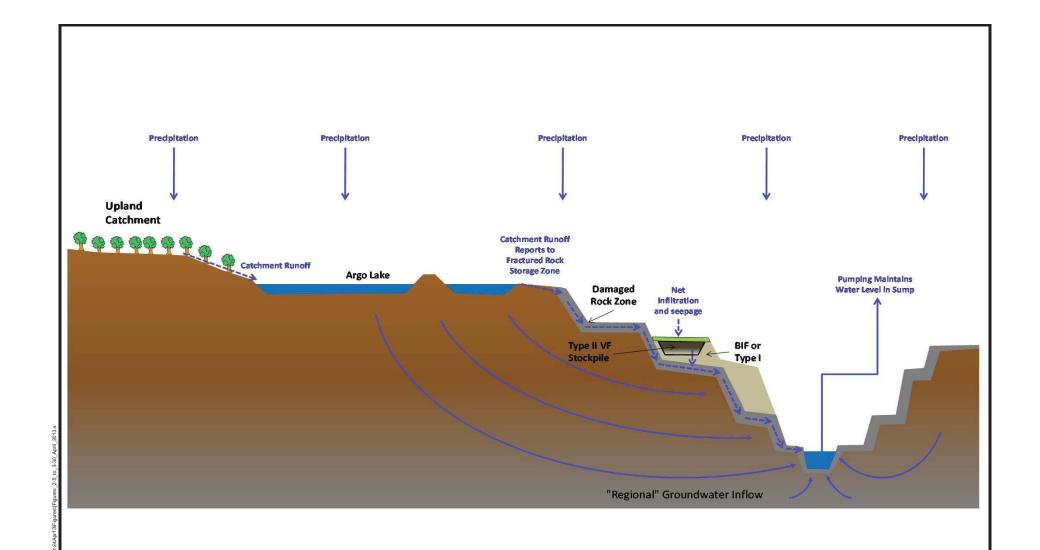


Figure 6-4 (Golder 2013 Figure 3-1)

CONCEPTUAL MODEL - OPERATIONS

Type II Virginia Formation Stockpile Plan Northshore Mining, Babbitt, MN

Denver, Colorado, USA 083-81505



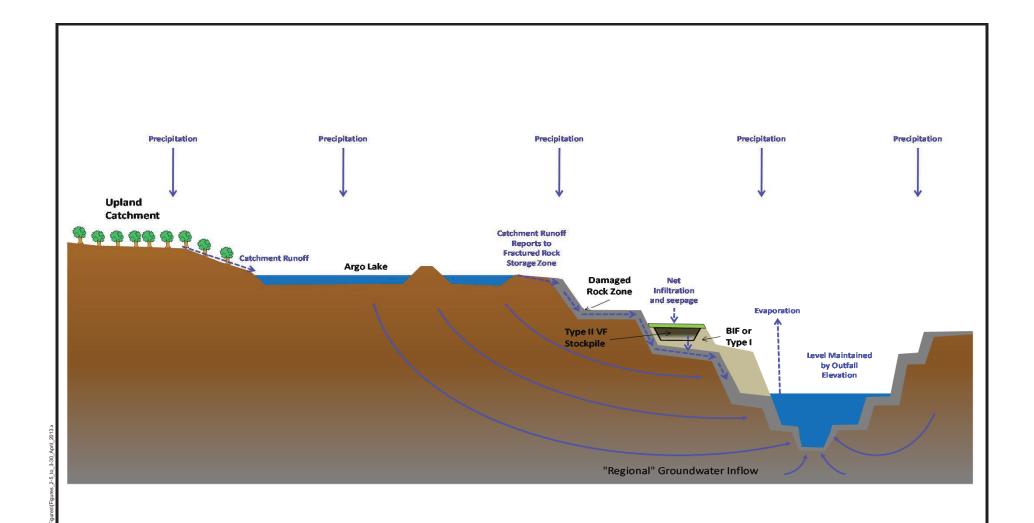


Figure 6-5 (Golder 2013 Figure 3-2)

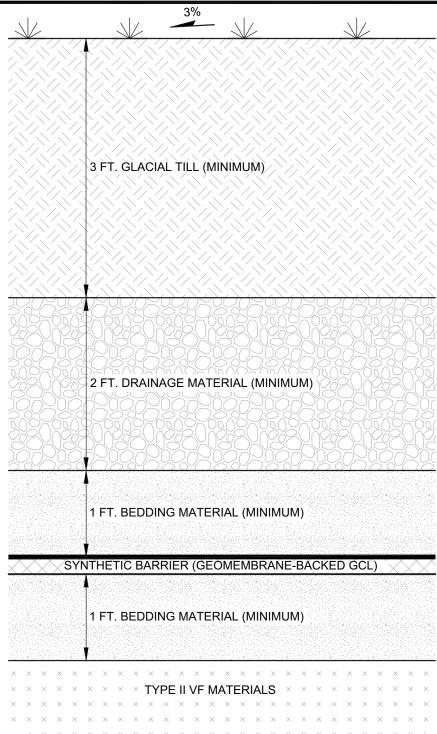
CONCEPTUAL MODEL - POST CLOSURE

Type II Virginia Formation Stockpile Plan Northshore Mining, Babbitt, MN

CLIFFS

Denver, Colorado, USA 083-81505

Golder Associates



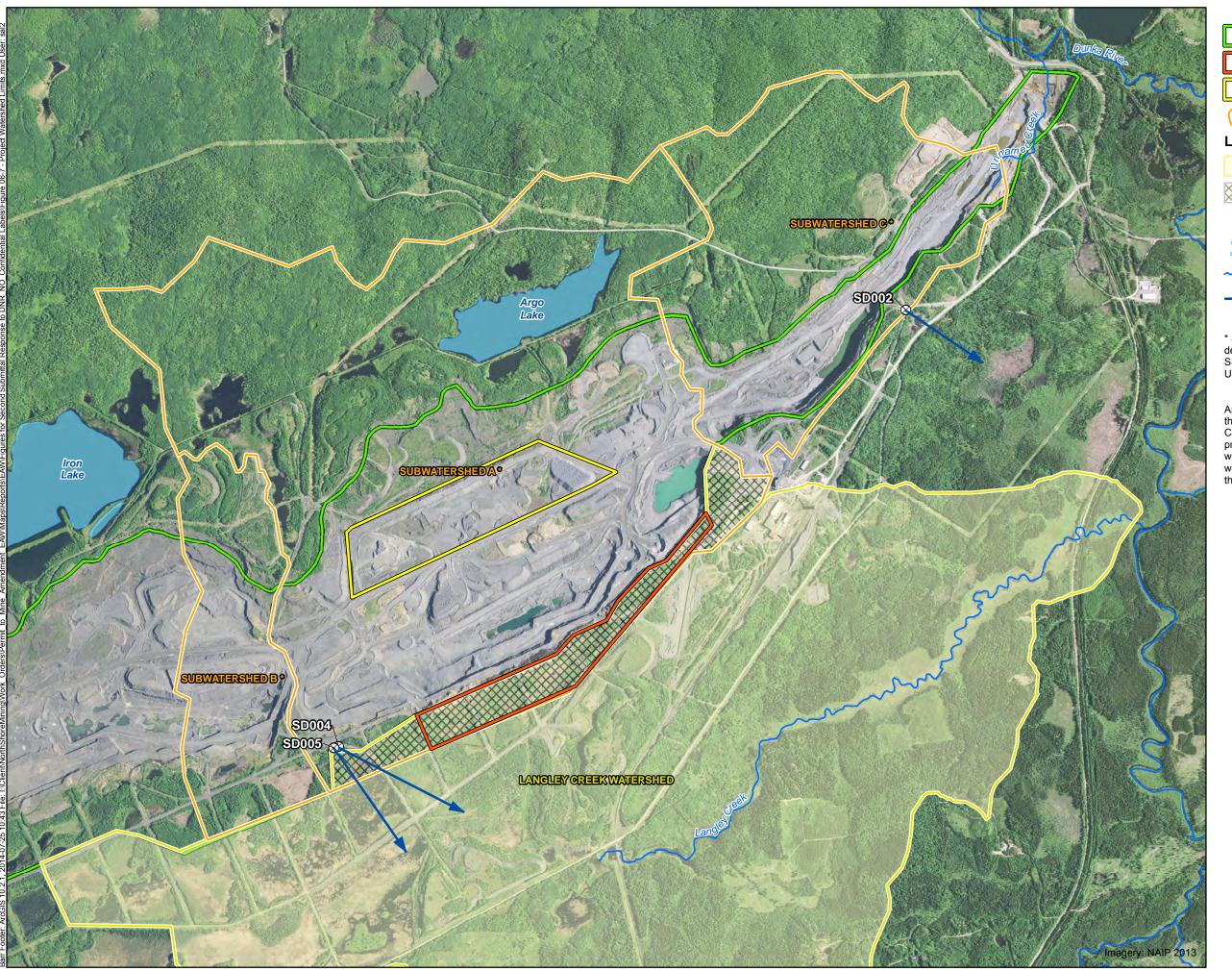
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ı	\triangle	04/19/13	ccs	REVISED ISSUED FOR TYPE II VF STOCKPILE PLAN	ccs	JEO	BRB
1	A	09/23/10	JSW	ISSUED FOR TYPE II VF STOCKPILE PLAN	мтм	JEO	MPW
1	\triangle	06/25/10	JSW	ISSUED FOR CLIENT REVIEW	мтм	JSW	BRB
ı	REV	DATE	DES	REVISION DESCRIPTION	CADD	СНК	RVW

NORTHSHORE MINING
TYPE II VIRGINIA FORMATION STOCKPILE PLAN

Figure 6-6 (Golder 2013 Figure 2-4) **VFII Stockpile Cross Section**



1	PROJECT	No.	083-81505	FILE No.	08381505C004								
ı	DESIGN	JSW	06/25/10	SCALE	N.T.S.	REV.	С						
ı	CADD	MTM	06/25/10										
	CHECK	JSW	06/25/10										



Current Ultimate Pit Limit
Proposed Ultimate Pit Limit
Proposed Type II VF Stockpile
Project Area Pit Subwatersheds *

Langley Creek Watershed
Remaining after Project
Removed by Project

NPDES Discharge Location

Lakes

Streams

Direction of Discharge

* Subwatersheds A, B, and C drain to the pit and are dewatered via SD004, SD005, and SD002. SD004 and SD005 discharge to Langley Creek. SD002 discharges to Unnamed Creek.

Areas to the northeast and southwest of the UPL Progression that are shown as "Removed by Project" from the Langley Creek watershed would not be excavated as part of the proposed Project. However, because the UPL Progression would affect local surface drainage patterns, those areas would drain into the pit, rather than to Langley Creek, once the UPL Progression is complete.

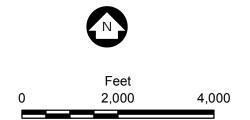
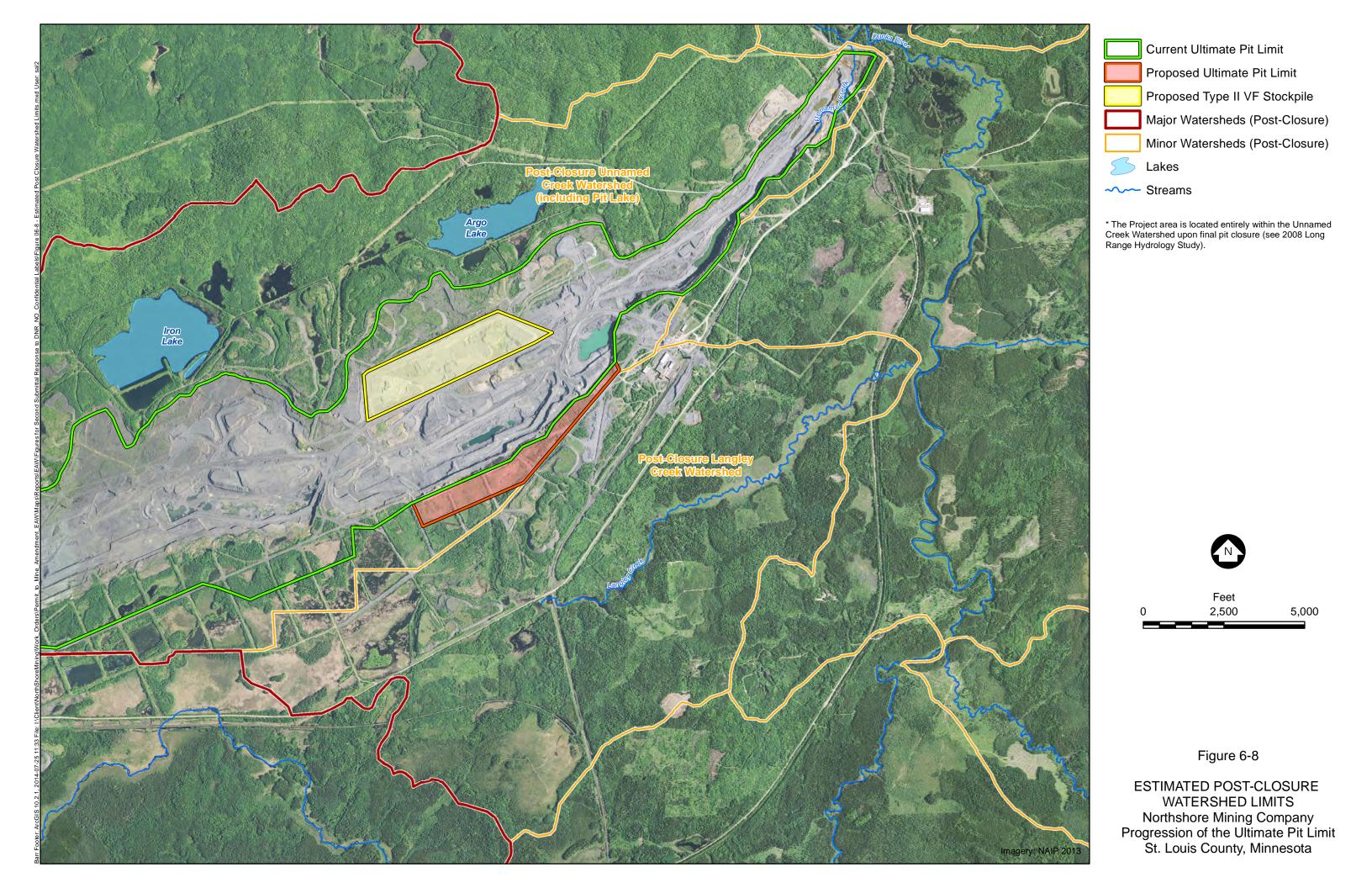
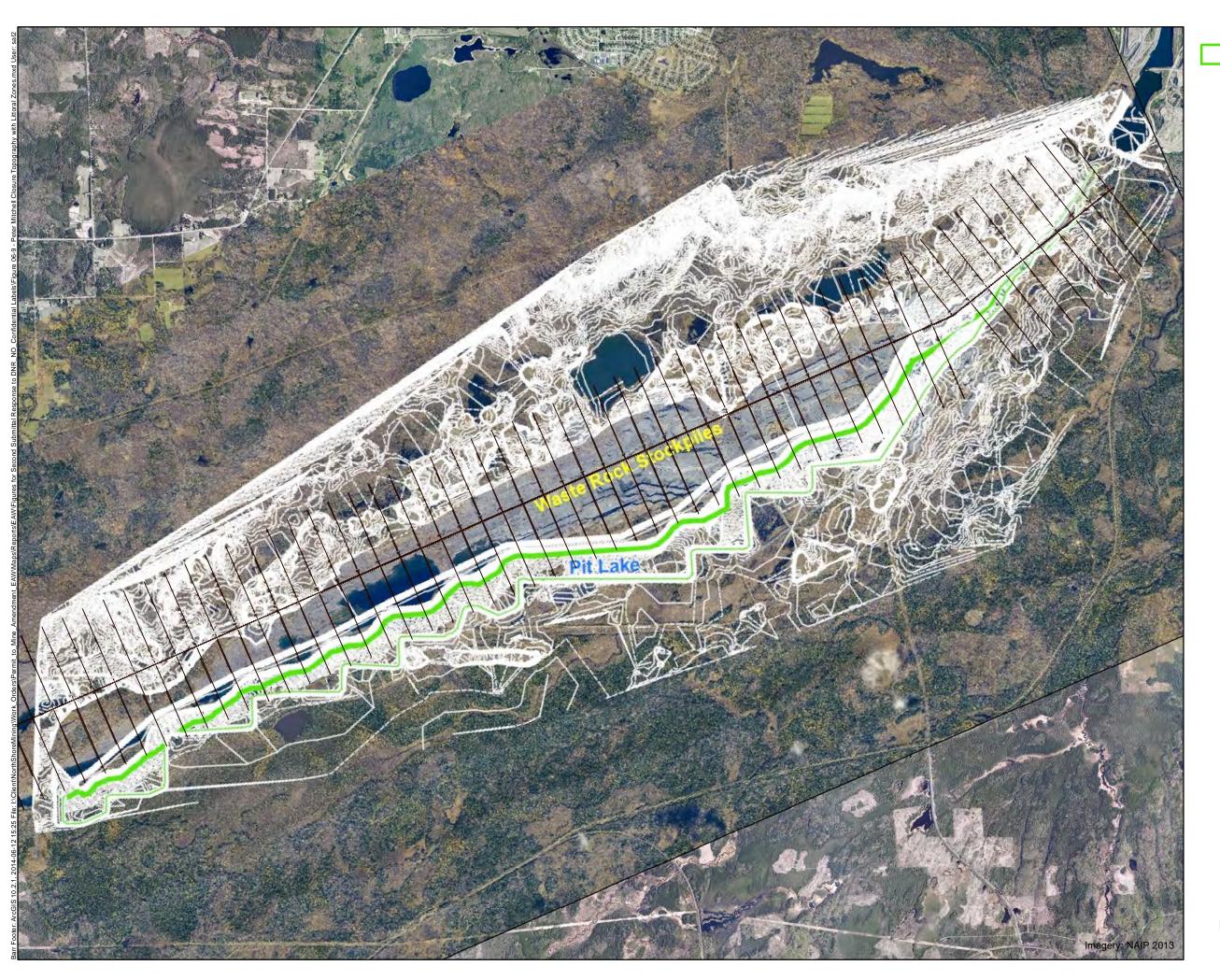


Figure 6-7

PROJECT WATERSHED LIMITS:
DRAINAGE TO PIT
Northshore Mining Company
Progression of the Ultimate Pit Limit
St. Louis County, Minnesota





Littoral Zone

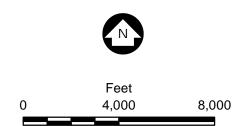
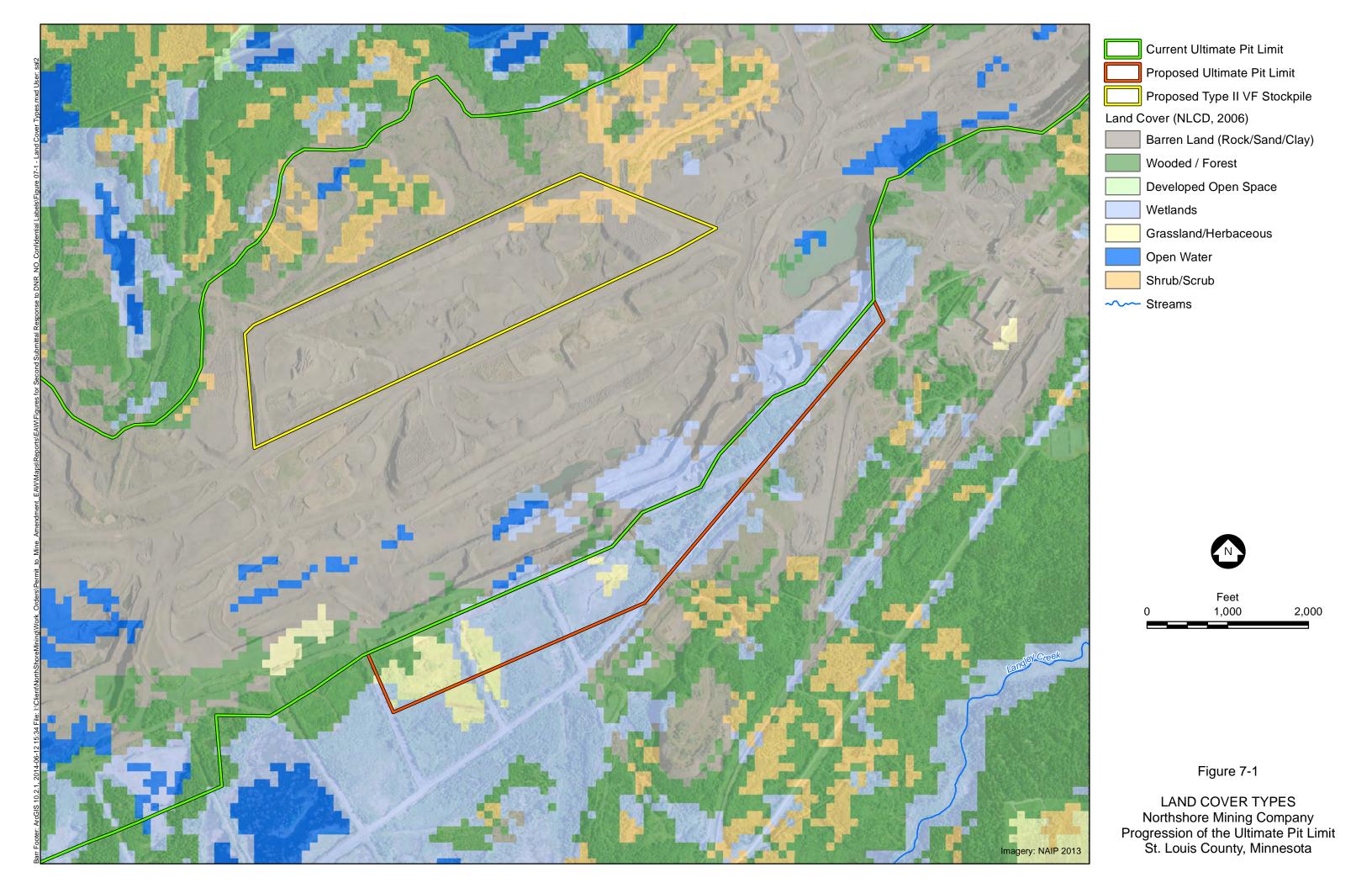
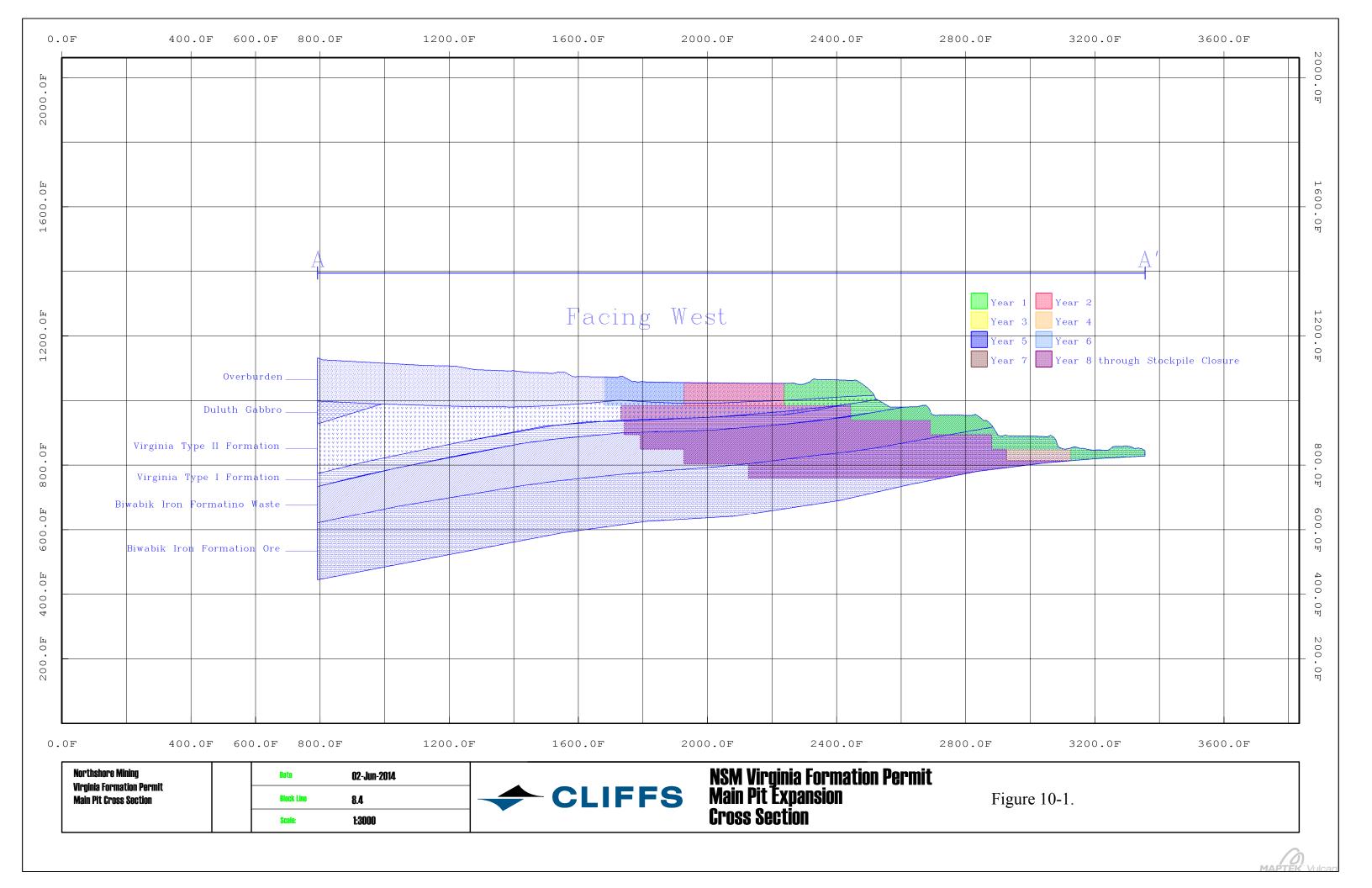
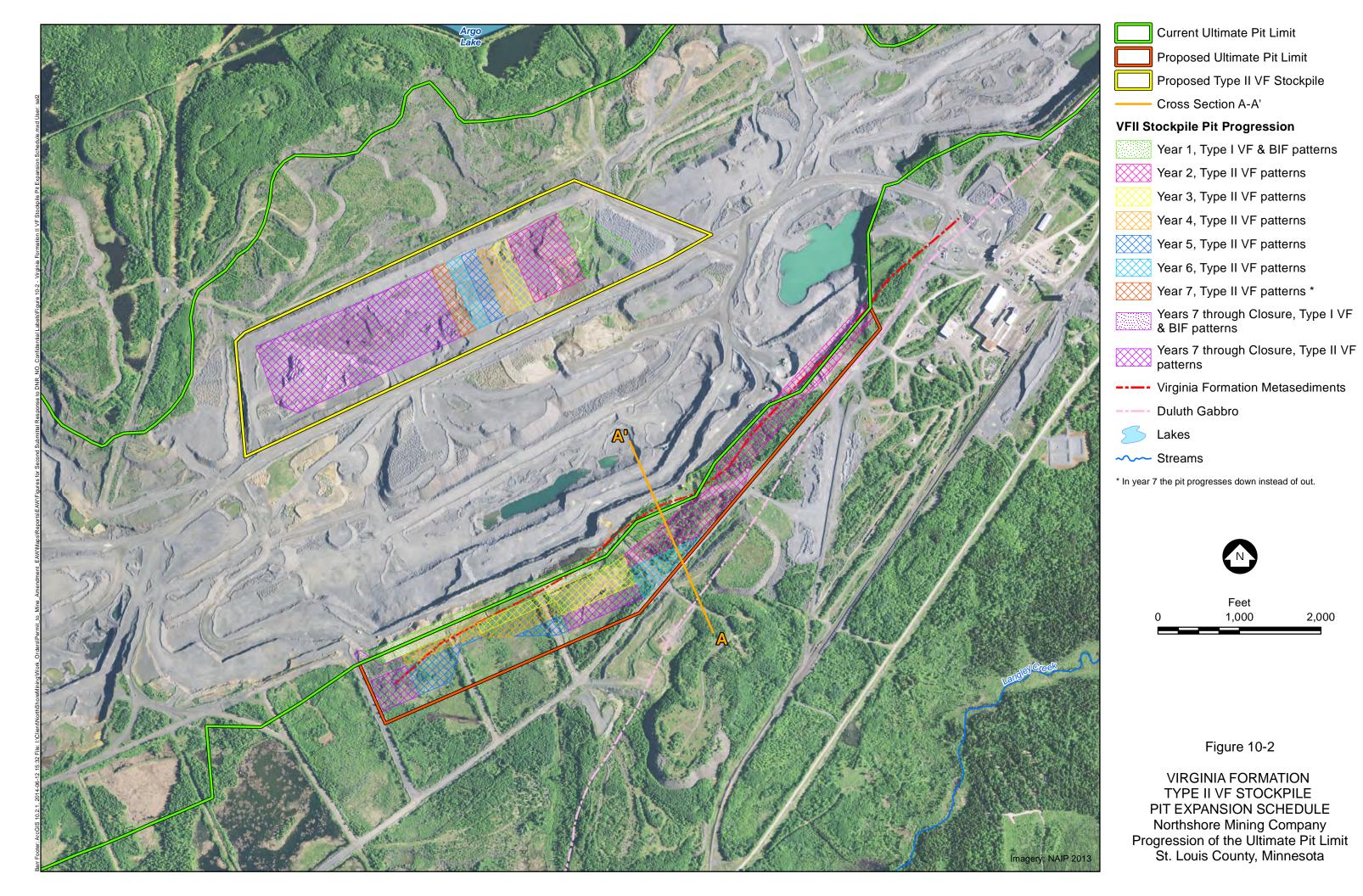


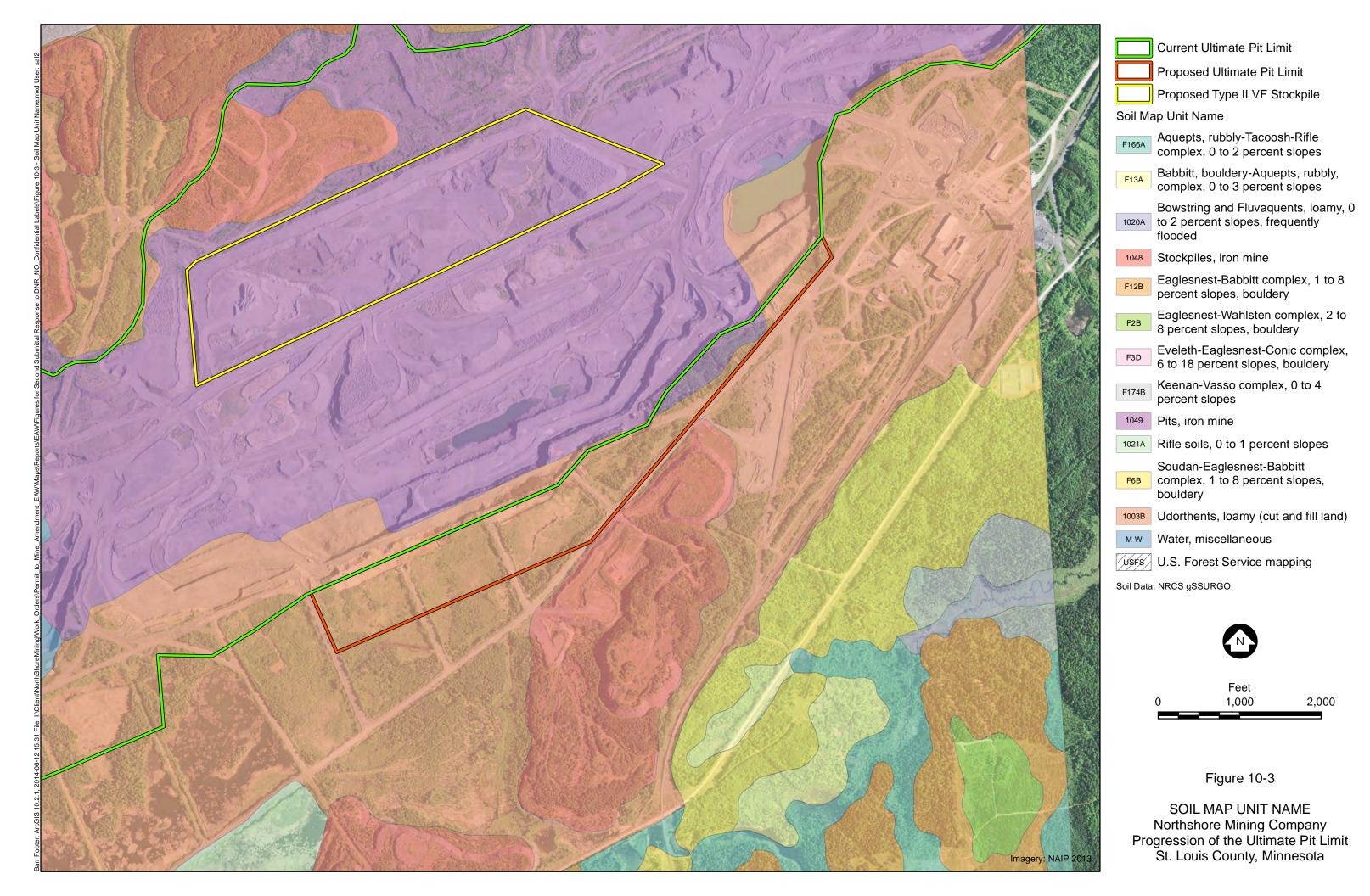
Figure 6-9

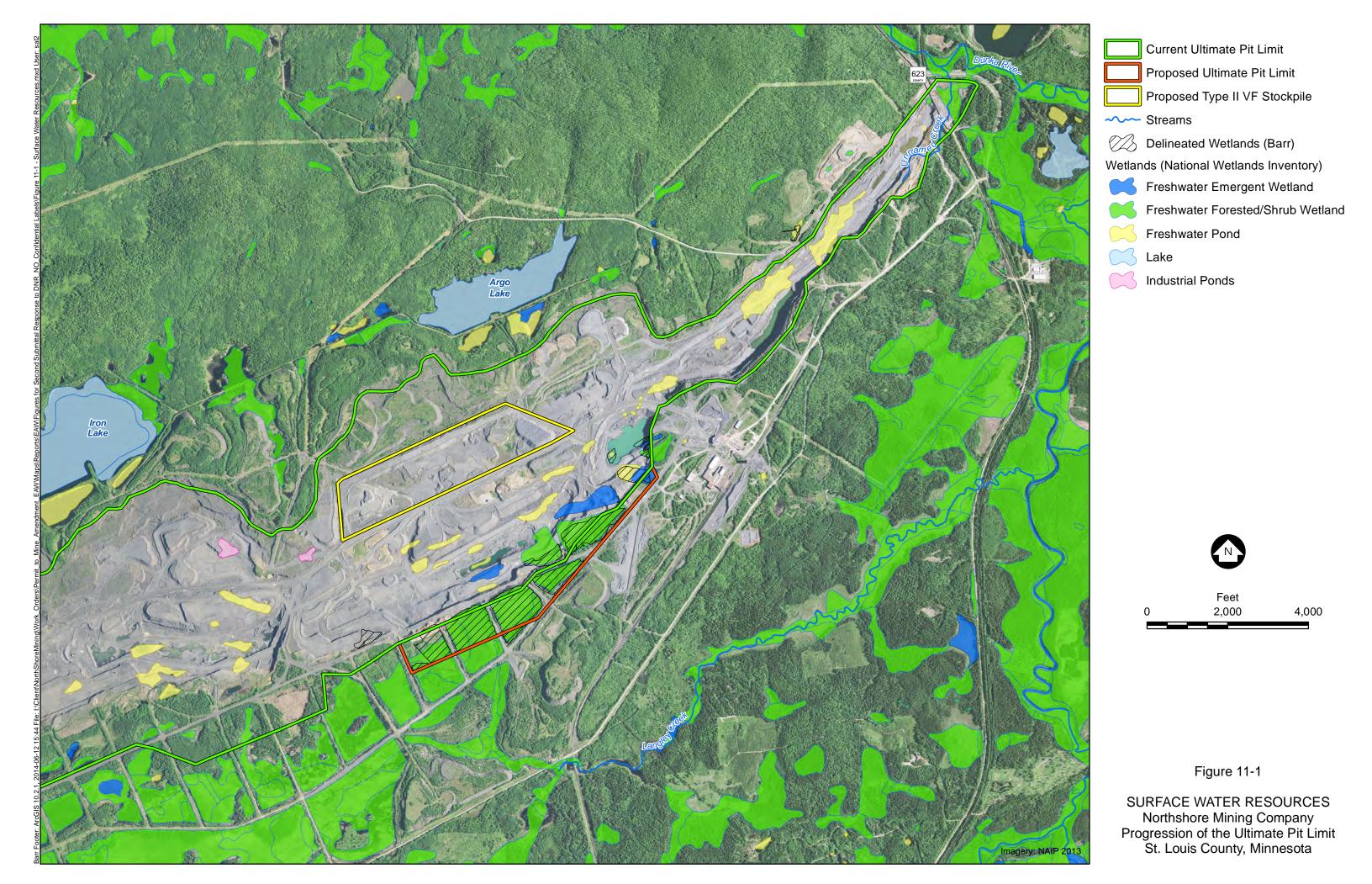
PETER MITCHELL CLOSURE
TOPOGRAPHY WITH
LITTORAL ZONES
Northshore Mining Company
Progression of the Ultimate Pit Limit
St. Louis County, Minnesota

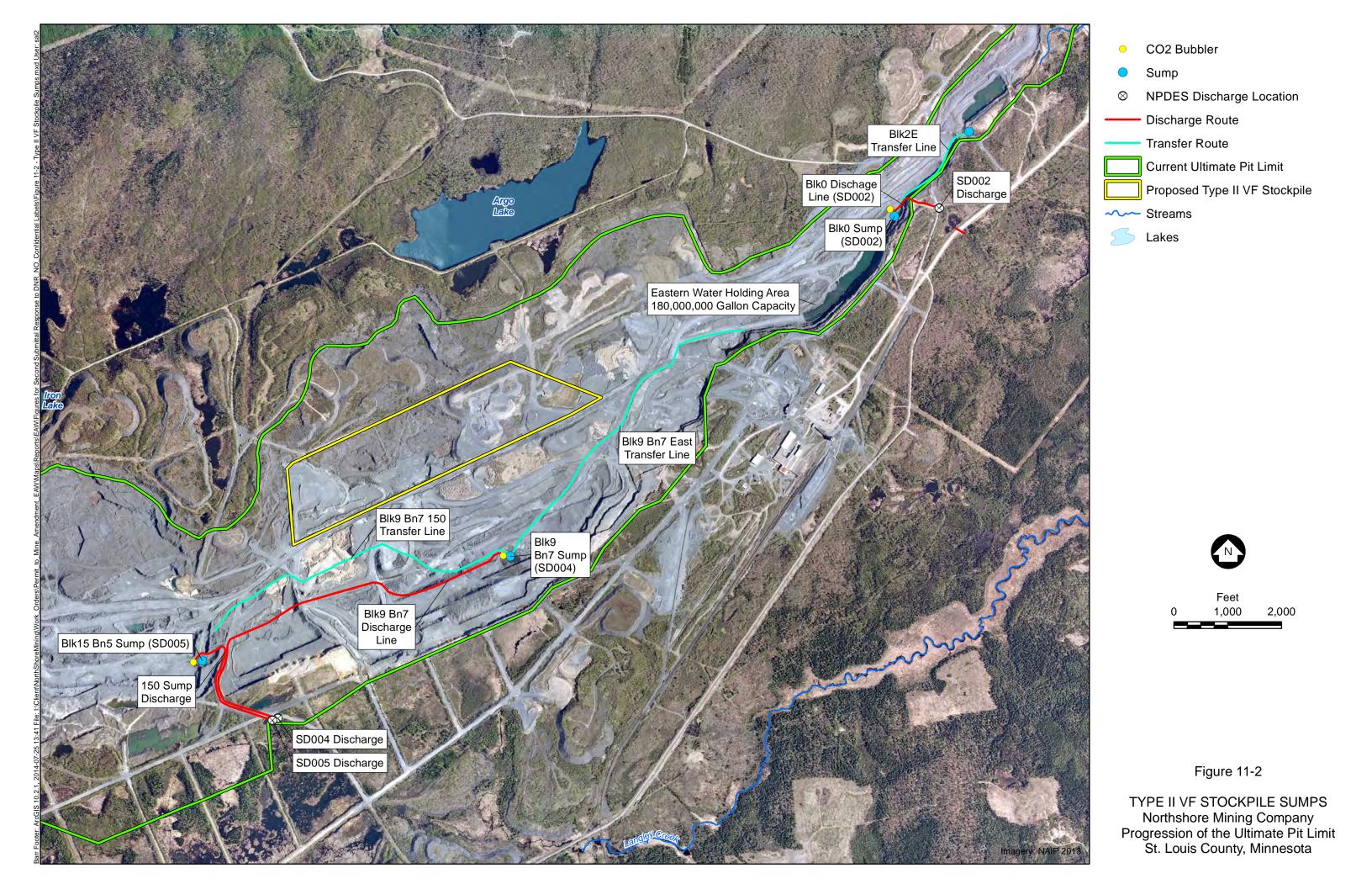


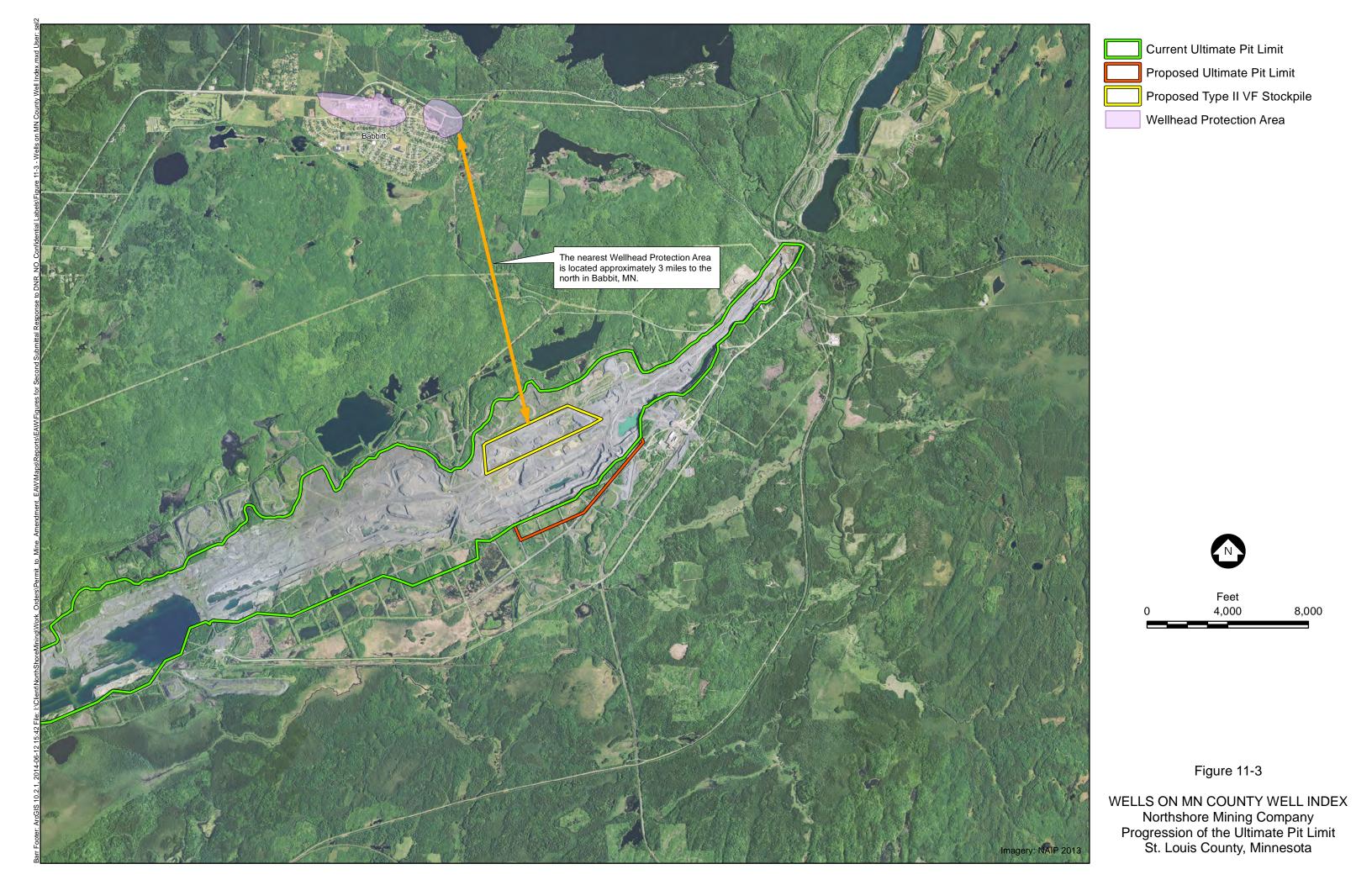


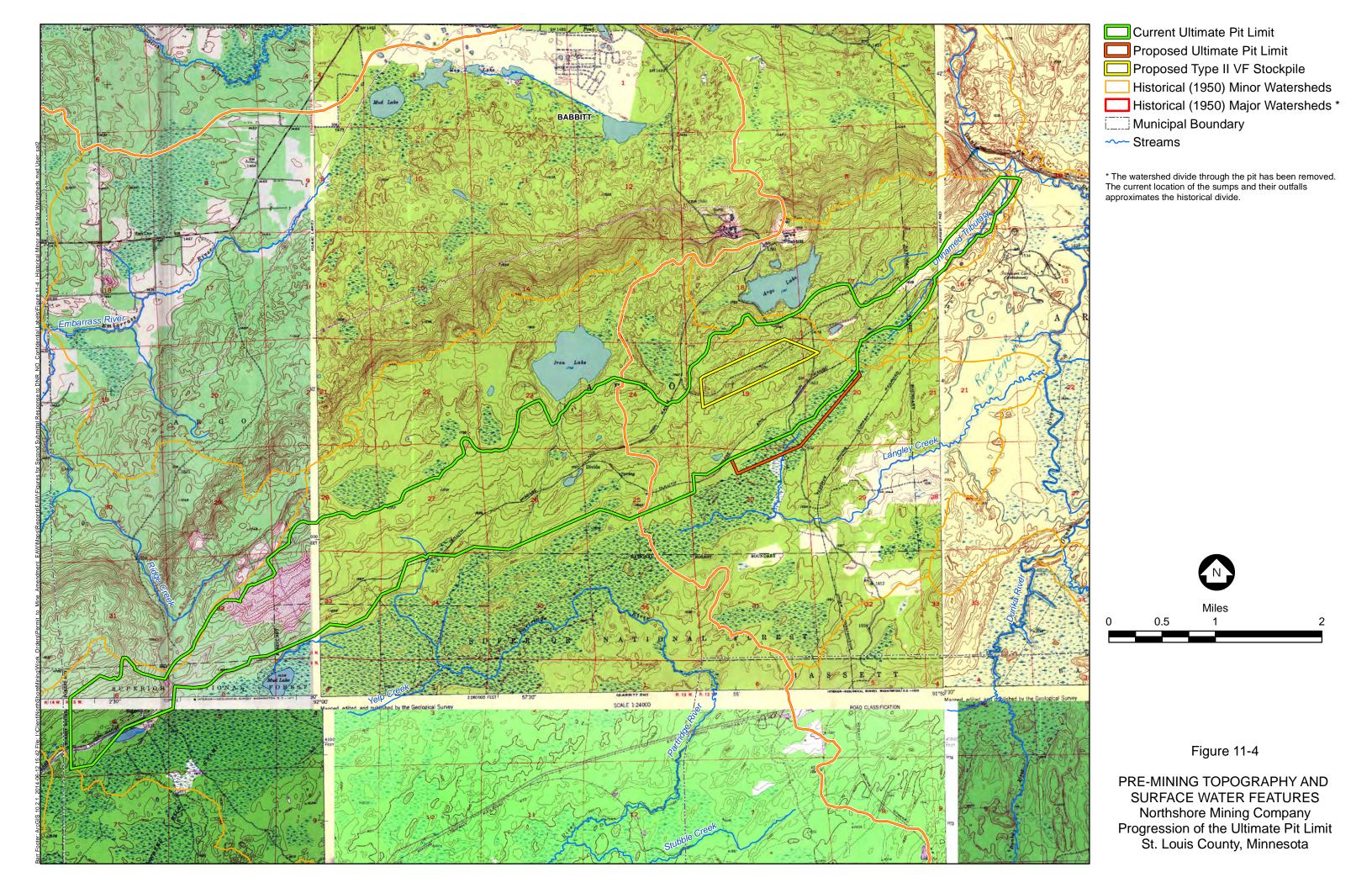


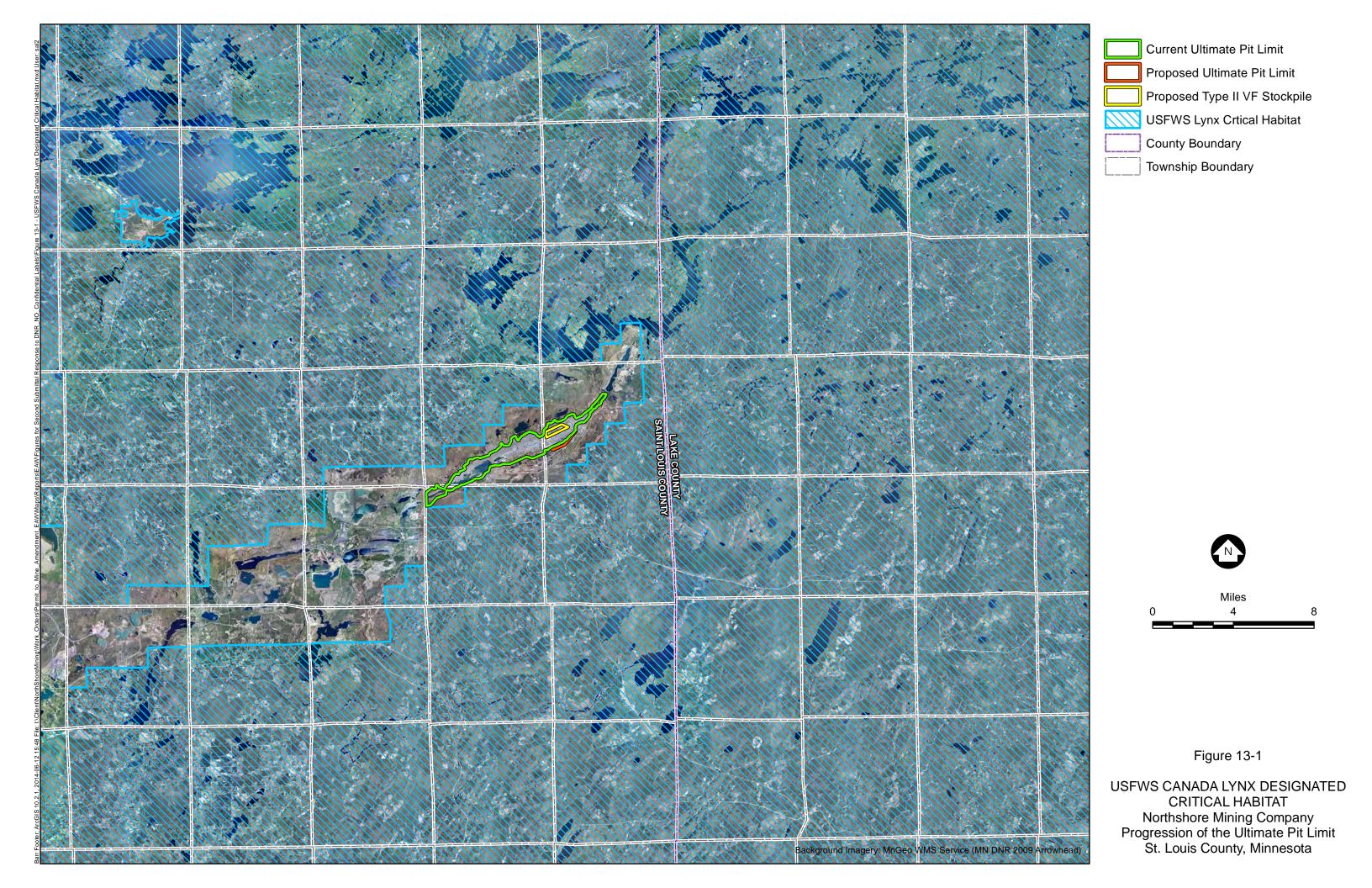














Current Ultimate Pit Limit
Proposed Ultimate Pit Limit
Proposed Type II VF Stockpile
Lakes

⊗ NPDES Discharge Location of Interest

Note: SD004 and SD005 are the only discharge points that would potentially carry water from the proposed project.

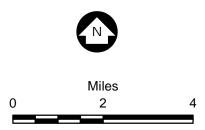


Figure 19-1

NPDES OUTFALL LOCATIONS
Northshore Mining Company
Progression of the Ultimate Pit Limit
St. Louis County, Minnesota

