

Beltrami County NRM Timber Appraisal

225040

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Appraised By:

Nick Ronning

Appraisal Date:

07/01/2025

Sale Type:

SEALED BID-REGULAR

Auction Date:

07/25/2025

Access:

Public Access

Appraisal Number:

Silver Lake Salvage

Permit Number:

225040

Expiration Date:

07/25/2026

Legal Description

<u>RE Code</u>	<u>Sec.</u>	<u>Twp.</u>	<u>Rge.</u>	<u>School</u>	<u>City/Twp</u>	<u>Subd</u>
	15	146	31	31	Ten Lake	
	16	146	31	31	Ten Lake	
	17	146	31	31	Ten Lake	
	21	146	31	31	Ten Lake	

<u>Bid</u>	<u>Species</u>	<u>Volume</u>	<u>Units</u>	<u>Unit Price</u>	<u>Value</u>	<u>Comments</u>	<u>Bolt %</u>
Bid	Aspen pulp	1,440	Cords	\$15.00	\$21,600.00		
Bid	Red Pine pulp	150	Cords	\$8.00	\$1,200.00		
Bid	Jack Pine pulp	1,080	Cords	\$8.00	\$8,640.00		
Bid	Red Pine bolts	25	Cords	\$20.00	\$500.00	Includes incidental JP bolts	
Non-Bid	Mixed Conifer	300	Cords	\$5.00	\$1,500.00	Everything except Pine and Aspen, including mixed hardwoods	
					\$33,440.00	Subtotal	
Total Cords: 2,995 Total MBF: 0					\$33,440.00	Total	
					\$5,016.00	15% Down Payment	

Bid Symbols: Bid = Bid Species; Non-Bid = Non-Bid Species; Area Est. = Sold Area Estimate; AE Non-Bid = Sold Area Estimate & Non-Bid Species

All species woodsrun unless listed otherwise.

Species Scaled: Aspen pulp, Jack Pine pulp, Mixed Conifer, Red Pine bolts, Red Pine pulp

Species SAE:

Operability:**Topography:**

flat to slightly rolling

Acres:

157

Soil Type:

N78 Sandy

DRAIN**Type:**

SEALED BID-REGULAR

Acres Cut:

157.00

Total: 157.00

Harvest Specifications**Access**

• Latitude/Longitude – Primary access location is Lat. 47.462N, by Long. 94.611W.

Harvest areas have existing roads and trails. Must leave roads and trails as good or better than pre-storm condition.

Cutting and Skidding

• Logging Damage - Logging damage is injury to 30% or more of the crown; or bark damage exposing cambium of 50 sq.in. or more; or damage causing lean of more than 5 degrees from original. Damage to reserve trees, as identified on the Appraisal form, may be subject to a \$25/tree penalty

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Harvest and Reserves

- Cut Trees: All bent, broken, leaning trees. All Aspen, Balm, Ash, JP. All Birch > 6" DBH. Western-most stand is 35 year old unthinned Norway Pine. This stand will be thinned to 100 BA.
- Leave Trees: reserve Birch < 6" DBH, All live oak. Logger may choose to leave smaller Spruce and Balsam if undamaged. 30 year old planted Norway Pine in the Southeastern part of the sale will be retained if healthy and undamaged. Thin to 100 BA if opportunity exists- to be determined.

Some boundaries may need to be run at the time the sale is opened.

Landings, Access Roads, and Skid Trails

- Landings Approved – Landings must be located away from Township Roads as much as possible. Locations must be approved in advance by the Forester. Sale plan includes 5 landings

Other Remarks

Extent of sale area and volume are estimated as best as possible given the conditions. Communication between logger and forester will be key. The harvest area may expand if additional blowdown is discovered after the sale was written. The goal is to utilize as much storm damage as possible and also minimize plantation establishment costs in the coming years.

Site, Soil, and Water Protection

- Rutting - Contractor must be prepared to shut down equipment operations or hauling if thawing or wet conditions create the potential for rutting. Failure to comply with this requirement may be subject to a \$100 penalty per occurrence.

Slash Disposal

Lop and Scatter slash unless making wildlife piles. Where tree planting will be needed, large slash piles are recommended. Discuss plans with Forester.

Tree Size, Marketing, and Special Conditions

- 4 inch TDIB – Utilize all material from butt to a 4" top diameter inside bark.
- Pine thinning guides - to minimize Ips Bark Beetle Damage in residual or nearby pine. A) December 1–May 31: All cut pine material > 3" and pine logs must be removed or destroyed before June 1 ; B) June 1–August 31: All cut pine material > 3" and pine logs must be or destroyed within 3 weeks of cutting; C) September 1–November 30: may leave slash on site
- Private Wood – There is a strip of private wood along part of the sale boundary that is NOT part of this sale. If the landowner sells this wood to you, to comply with Chain of Custody requirements of our certifying organization, the private wood must not be mixed or hauled with the County wood.

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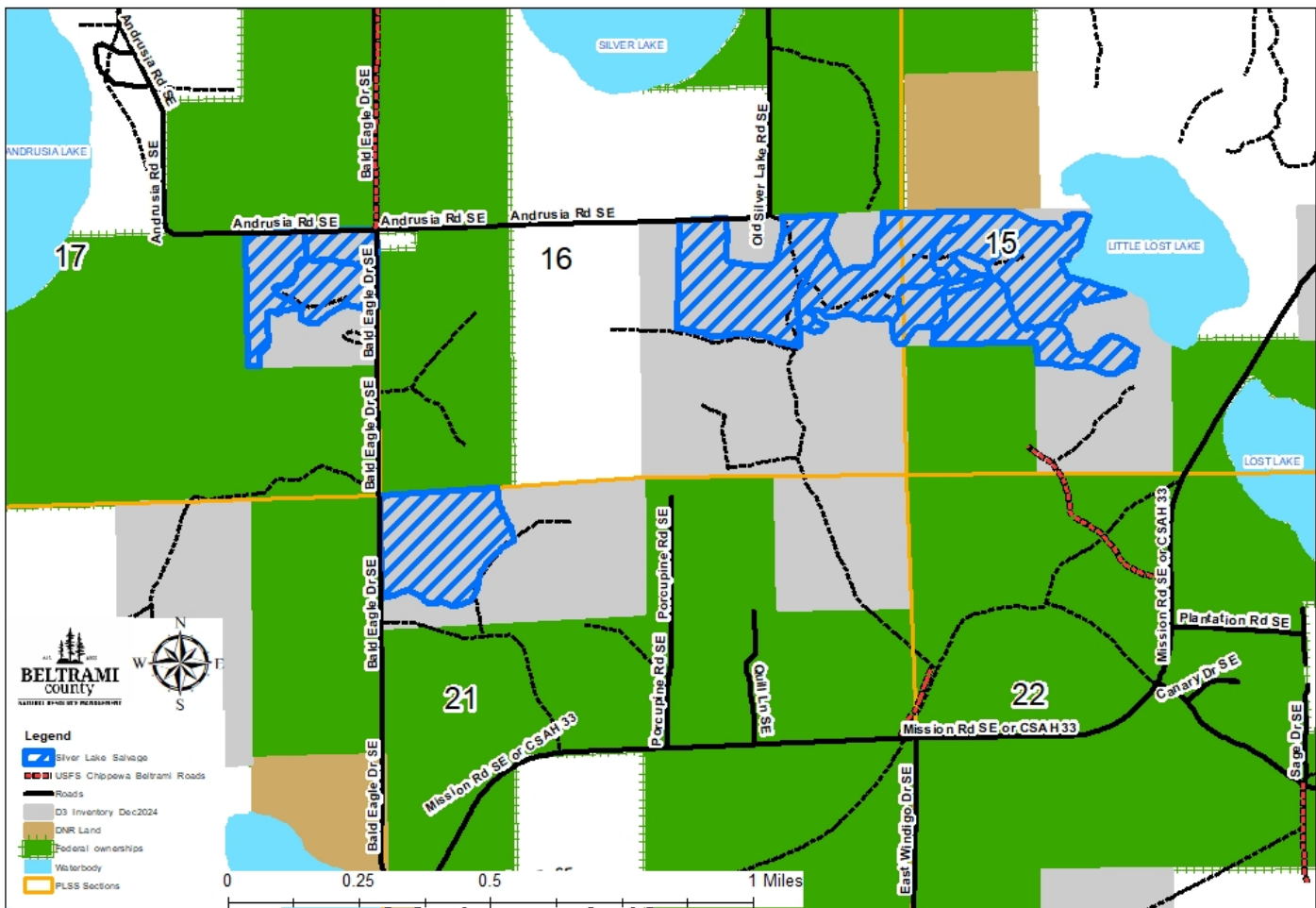
225040

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Site Map:

Silver Lake Salvage Sale



Appraisal examined and approved by

Forester

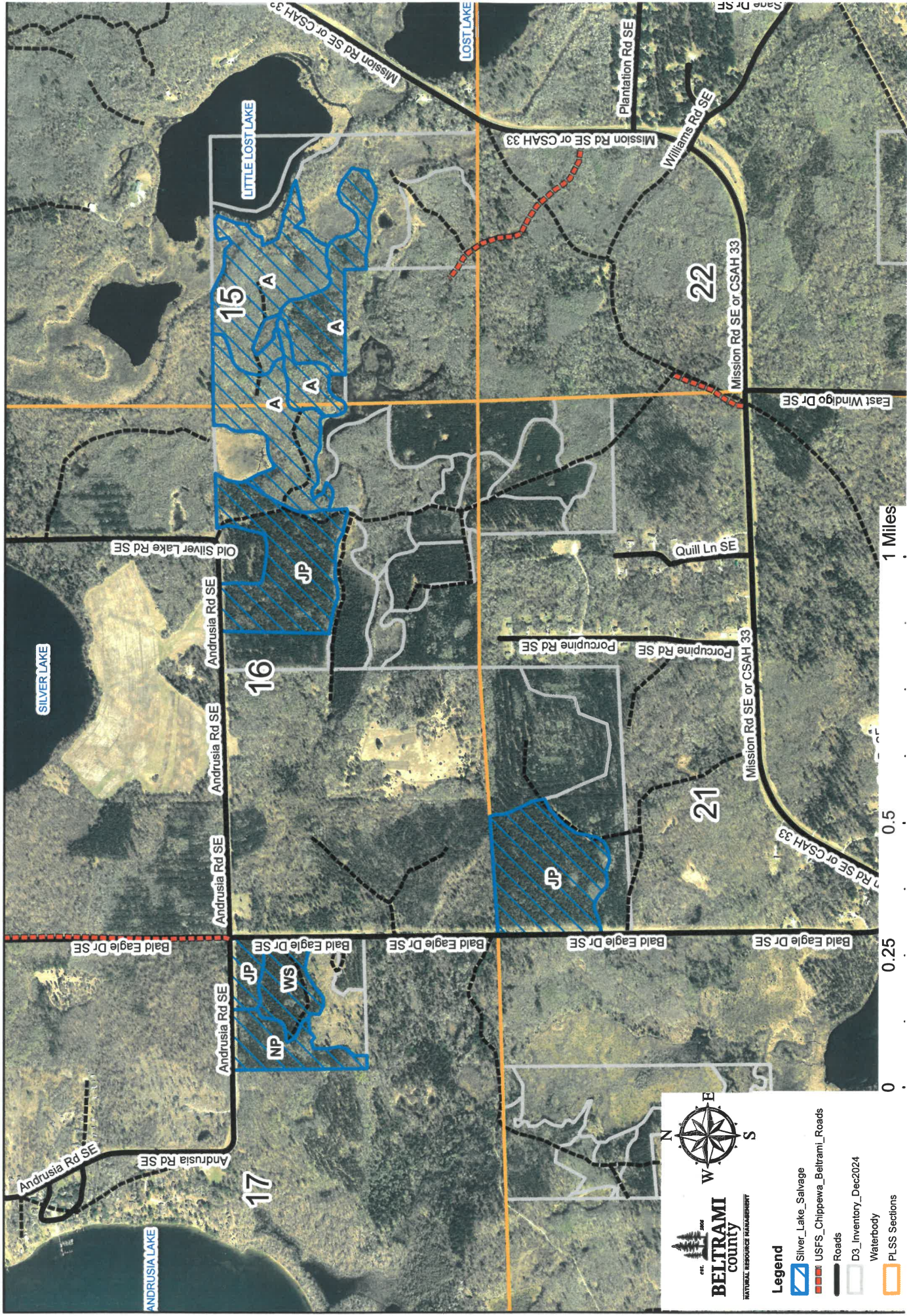
Date

Appraisal examined and approved by

Land Department

Date

Silver Lake Salvage Sale



STAND HARVEST PRESCRIPTIONS

Timber Sale Name:		Silver Lake Salvage					
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
	15	146	31	31	Ten Lake		
	16	146	31	31	Ten Lake		
	17	146	31	31	Ten Lake		
	21	146	31	31	Ten Lake		
Block:		1					
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
15	146	31	12	55	40	FDc24	Clear Cut w/Reserves
16	146	31	12	48	40	FDc24	Clear Cut w/Reserves
17	146	31	12	26	40	FDc24	Clear Cut w/Reserves
21	146	31	12	28	40	FDc24	Clear Cut w/Reserves
15	146	31	53	55	40	FDc23	Clear Cut w/Reserves
16	146	31	53	48	40	FDc23	Clear Cut w/Reserves
17	146	31	53	26	40	FDc23	Clear Cut w/Reserves
21	146	31	53	28	40	FDc23	Clear Cut w/Reserves
15	146	31	61	55	40	FDc24	Clear Cut w/Reserves
16	146	31	61	48	40	FDc24	Clear Cut w/Reserves
17	146	31	61	26	40	FDc24	Clear Cut w/Reserves
21	146	31	61	28	40	FDc24	Clear Cut w/Reserves
15	146	31	52	55	35	FDc24	Intermediate Thin
16	146	31	52	48	35	FDc24	Intermediate Thin
17	146	31	52	26	35	FDc24	Intermediate Thin
21	146	31	52	28	35	FDc24	Intermediate Thin
*NPC		FDc23 - Central Dry Pine Woodland, FDc24 - Central Rich Dry Pine Woodland					
No Basal Data							
Current Site Conditions		This is a large sale consisting of numerous blocks of storm damaged Pine, White Spruce, and Aspen covertypes. The Aspen, Spruce, and Jack Pine stands will be final harvested. The Norway Pine stands will have damaged trees cut and utilized, and the residual stand will be thinned down to 100 BA where possible and carried on to normal rotation age.					
Insect/Disease		Ips - Potential for Ips Beetle in logs & slash, use hauling guides					
Timber Objectives		The goal is to salvage as much storm damage as possible and also minimize plantation establishment costs over the next couple years. The timing and storm situation has not allowed us to inspect every acre on the sale. It's possible that acres could be added if additional blowdown is found after the sale was written.					
Regeneration		Regeneration will be a combination of natural aspen and hardwood regeneration and conifer planting where needed.					

STAND HARVEST PRESCRIPTIONS

Riparian	Filter Strips from adjacent wetlands must be protected from scarification RMZ - the RMZ width varies by slope, maintain designated reserve trees in the RMZ - Retain undamaged trees less than 12" DBH, all oaks, and wildlife / cavity trees within 150 feet of Little Lost Lake shoreline.
Wetlands	type 6 - shrub swamp
Soil Types	N78 - Sandy
Wildlife	Project spacing of habitat elements is beneficial to wildlife. Project timing is beneficial to wildlife Reserve clumps - Reserve clumps are maintained at the edge of the stand for habitat connectivity & to to help them be wind firm The balsam fir and other understory conifer are being reserved for cover. The reserved species will serve as a mast production for wildlife. Slash Piles for Wildlife are encouraged.
Visual Sensitivity	Medium - Visual ranking is moderate on this site, Visual quality protected by a combination of landing placement, harvest design (leave trees or harvest shape), slash disposal limit near roads, etc.
Natural Heritage	Database was checked and no resources found.
Cultural Resources	Database was checked and no resources found.

STAND HARVEST PRESCRIPTIONS

Harvest Methods

Clear Cut w/Reserves

retain marked or designated trees or clumps (Clear Cut)

Intermediate Thin

Thin as designated (Thinning)