

# Beltrami County NRM Timber Appraisal

# 225041

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**Appraised By:**

Nick Ronning

**Appraisal Date:**

07/16/2025

**Sale Type:**

SEALED BID-REGULAR

**Auction Date:**

07/25/2025

**Access:**

Public Access

**Appraisal Number:**

Wolf Lake Salvage

**Permit Number:**

225041

**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>
	27	146	32	31	Frohn	
	34	146	32	31	Frohn	
	35	146	32	31	Frohn	

<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	600	Cords	\$15.00	\$9,000.00	Includes Balm	
Bid	Red Pine pulp	250	Cords	\$8.00	\$2,000.00	Includes incidental JP & WP	
Bid	Red Pine bolts	50	Cords	\$20.00	\$1,000.00	Includes incidental JP & WP	
Non-Bid	Mixed Hardwoods	30	Cords	\$5.00	\$150.00	Everything except Pine and Aspen, including Spruce and Balsam	
					\$12,150.00	<b>Subtotal</b>	
<b>Total Cords: 930 Total MBF: 0</b>					\$12,150.00	<b>Total</b>	
					\$1,822.50	<b>15% Down Payment</b>	

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, Mixed Hardwoods, Red Pine bolts, Red Pine pulp

**Species SAE:**

<b>Operability:</b>	Firm or Frozen	<b>Soil Type:</b>	loamy sand and Loamy Fine Sand
<b>Topography:</b>	flat to slightly rolling		
<b>Acres:</b>	218		

**DRAIN****Type:**

SEALED BID-REGULAR

**Acres Cut:**

218.00

Total: 218.00

**Harvest Specifications**

<b>Access</b>
There are several public access points required to complete this sale. Logger will need to leave all roads as good or better than pre-storm condition.
<b>Cutting and Skidding</b>
• 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 merchantable Aspen, Balm, and Ash. Birch > 6" DBH in Aspen areas. Pine Plantations will not be thinned or harvested beyond what is necessary to utilize storm damaged trees.
- Leave Trees: Undamaged Pine, Undamaged Oak, Undamaged Birch < 6" DBH.
- Leave Trees: Reserve patches 1 acre and larger where younger aspen (Under 45 years old) is undamaged
- Some boundaries will need to be run at the time the sale is opened.

**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 while keeping plantations in tact as much as possible.

**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.

**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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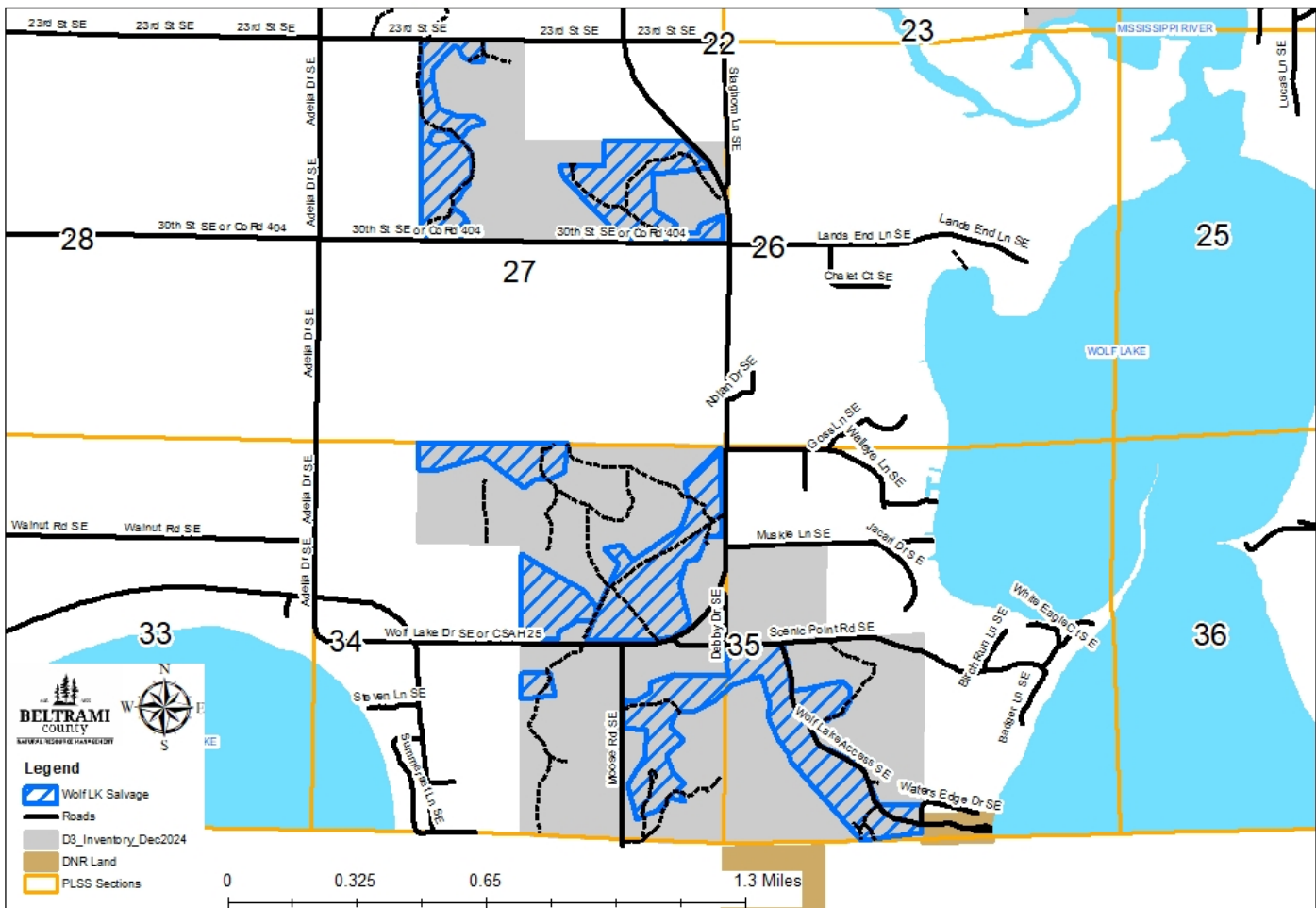
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Site Map:

Wolf Lake Salvage Sale



Appraisal examined and approved by

Forester

Date

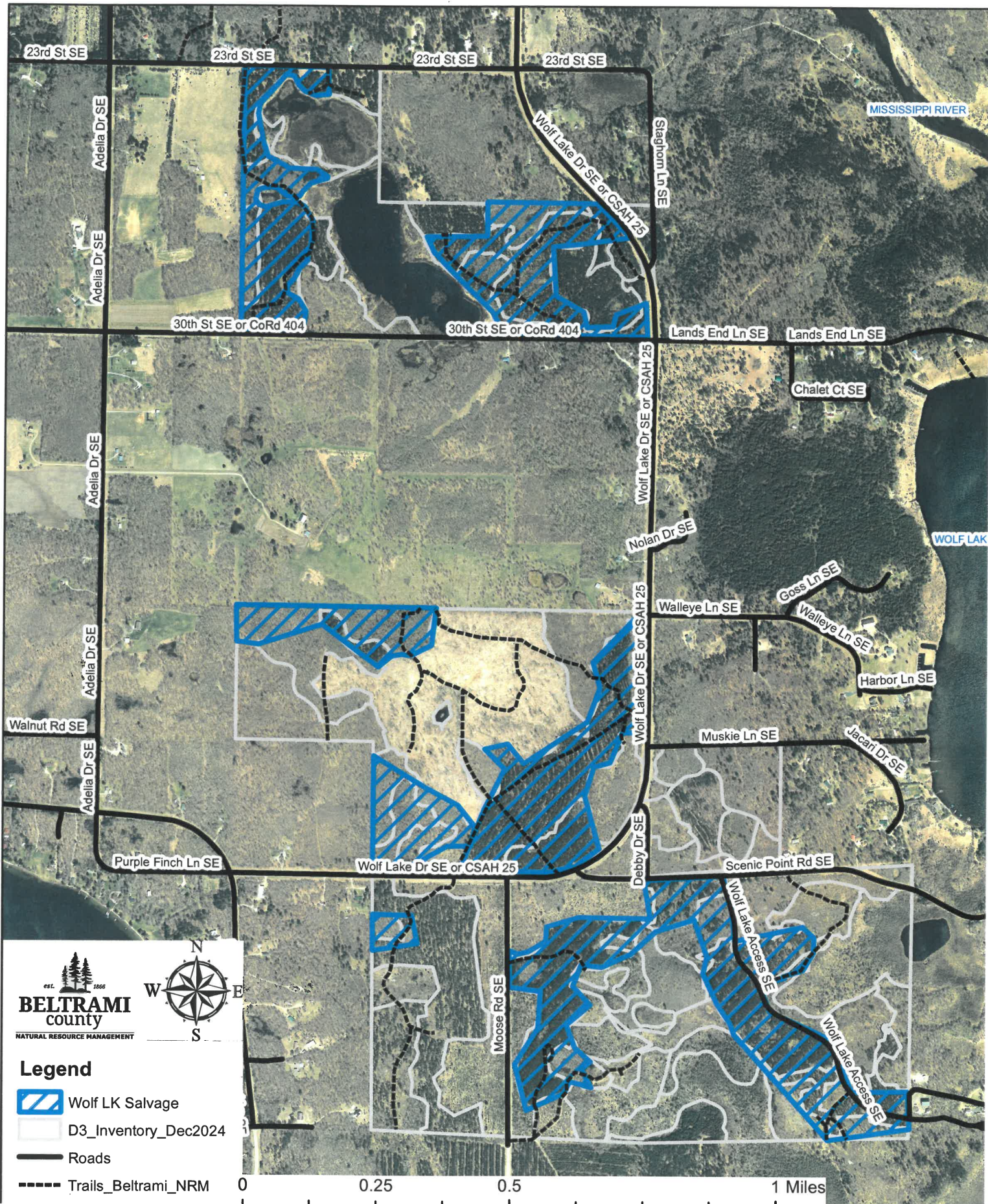
Appraisal examined and approved by

Land Department

Date



# Wolf Lake Salvage Sale





## STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Wolf Lake Salvage						
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
	27	146	32	31	Frohn		
	34	146	32	31	Frohn		
	35	146	32	31	Frohn		
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
27	146	32	12	65	45	FDc34	Clear Cut w/Reserves
34	146	32	12	107	45	FDc34	Clear Cut w/Reserves
35	146	32	12	46	45	FDc34	Clear Cut w/Reserves
27	146	32	52	65	40	FDc34	Intermediate Thin
34	146	32	52	107	40	FDc34	Intermediate Thin
35	146	32	52	46	40	FDc34	Intermediate Thin
27	146	32	30	65	90	FDc34	Intermediate Thin
34	146	32	30	107	90	FDc34	Intermediate Thin
35	146	32	30	46	90	FDc34	Intermediate Thin
*NPC	FDc34 - Central Dry-Mesic Pine-Hardwood Forest						
No Basal Data							
Current Site Conditions	This is a large sale consisting of numerous blocks of storm damaged Pine and Aspen covertypes. The Aspen will be final harvested. The Norway Pine stands have less damage than other salvage sales and the damage is in pockets. Most of these stands were recently thinned and do not have excessive Basal Area needing thinning. Undamaged pine will only be cut if necessary to utilize damaged wood.						
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 carry the undamaged pine through to the next scheduled thinning. 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. Patches of younger undamaged aspen greater than one acre will be reserved for harvest at their normal rotation age.						
Regeneration	Aspen regeneration will be primary, with some seeding from reserve species and some stump sprouting to add diversity						
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 the open water lake in the North Block.						
Wetlands	type 2 - wet meadows (true sub-irr. Meadow)						
Soil Types	Loamy Sand and Loamy Fine Sand						

## STAND HARVEST PRESCRIPTIONS

<b>Wildlife</b>	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 reserved species will serve as a mast production for wildlife. Slash Piles for Wildlife are encouraged.
<b>Visual Sensitivity</b>	Low - visual sensitivity is low, minimize slash close to roadway
<b>Natural Heritage</b>	Database was checked and no resources found.
<b>Cultural Resources</b>	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)