

Beltrami County NRM Timber Appraisal

225048

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Appraised By:

Nick Ronning

Appraisal Date:

07/24/2025

Sale Type:

REGULAR AUCTION SALE

Auction Date: 08/04/2025**Access:** Public Access**Appraisal Number:** Stump Lake Salvage**Permit Number:** 225048**Expiration Date:** 08/07/2026**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>
	3	146	32	31	Frohn	NE1/4 of SE1/4
	4	146	32	31	Frohn	NE1/4

<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	400	Cords	\$15.00	\$6,000.00	Includes BG	
Bid	Red Pine bolts	75	Cords	\$20.00	\$1,500.00	Includes incidental JP & WP	
Bid	Red Pine pulp	20	Cords	\$8.00	\$160.00	Includes incidental JP & WP	
Non-Bid	Mixed Conifer	25	Cords	\$5.00	\$125.00	Includes everything except Pine and Aspen, including mixed hardwoods.	
					\$7,785.00	Subtotal	
Total Cords: 520 Total MBF: 0					\$7,785.00	Total	
					\$1,167.75	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, Mixed Conifer, Red Pine bolts, Red Pine pulp**Species SAE:**

Operability:	No Spring Logging: Breakup - July 15	Soil Type:	Loamy Sand, Fine Sandy Loam, Loamy Fine Sand
Topography:	flat to slightly rolling		
Acres:	48		

DRAIN

Type:	Acres Cut:
REGULAR AUCTION SALE	48.00

Total: 48.00

Harvest Specifications

<u>Access</u>
<ul style="list-style-type: none">• Latitude/Longitude – Primary access location is Lat. 47.489 N, by Long. 94.734 W.• Firm or Frozen – Operations may be conducted between July 15 and spring breakup, when the site is frozen or when dry and firm to prevent site impacts. <p>Harvest areas have good access. Roads and approaches must be left as good or better than pre-storm condition. The eastern most block has an approach on Parker Lake Road but no existing haul road. County will pay for up to 50 yards of material to develop and firm up access to Parker Lake Road.</p>

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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
- Reserve tree cutting penalty - Cutting any marked or designated leave tree without pre-approval by the Forester may be subject to a \$50.00/tree penalty. On area estimate sales, reserve trees approved for cutting by the Forester must be measured or field scaled for billing at contract rates.
- Skid trail out of wetland – Locate all skid trails out of wetland areas
- Stay within Boundaries - Private Land adjacent to harvest areas. Unless approved in advance by the Forester, all harvest activities shall be confined to within the marked boundary. Access roads, skid trails and landing areas proposed for use outside the harvest boundary must be approved prior to use. Failure to comply with these requirements may be subject to a \$100 penalty per incident.
- Stumps – Average stump heights below 12" and as low as possible.

Harvest and Reserves

- Cut Trees: All bent, broken, leaning trees. All Aspen, Balm, Ash. All Mature Birch, JP, BF, SP.
 - Leave Trees: Reserve and do not damage all oak except severely damaged oak.
 - Leave Trees: Reserve and Do Not Damage Red and White Pine unless Bent, Broken, Leaning.
 - Leave Trees: Reserve and do not damage smaller birch, jack pine, balsam fir, spruce.
- Some Boundaries will need to be run at the time of sale opening.
- Cut Trees: Must Cut Pine Stand first and haul as soon as possible.

Landings, Access Roads, and Skid Trails

- Landings Approved – Landing locations must be approved in advance by the Forester. Sale plan includes 3 landings
- Roads stay open - Sale is mostly accessible via existing road system. Roads to remain open and in pre-existing or better condition with BMP drainage after use. Any temporary trail or spur will be closed.

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 reforestation 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.
- RMZ Mississippi Scenic River - This sale is adjacent to the Mississippi River and includes harvesting within the 500 foot RMZ. Sale is subject to review by the Mississippi Headwaters Board and is also highly visible to the public. Extreme care must be used to to leave the harvest area looking good and ready for reforestation.

Slash Disposal

Lop and Scatter to within 2 feet of ground unless making wildlife piles. Discuss with forester.

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Tree Size, Marketing, and Special Conditions

- 4 inch TDIB – Utilize all material from butt to a 4” top diameter inside bark.
- No excess culling – Cutting long Butts or oversize tops to produce higher quality product must be done to retain marketable lengths of lower value pulp or firewood. Culling which leaves excessive amounts of wood in unmarketable lengths may be subject to a \$10.00 per piece penalty, unless the material is loaded and hauled off site based upon an estimated cord volume.
- 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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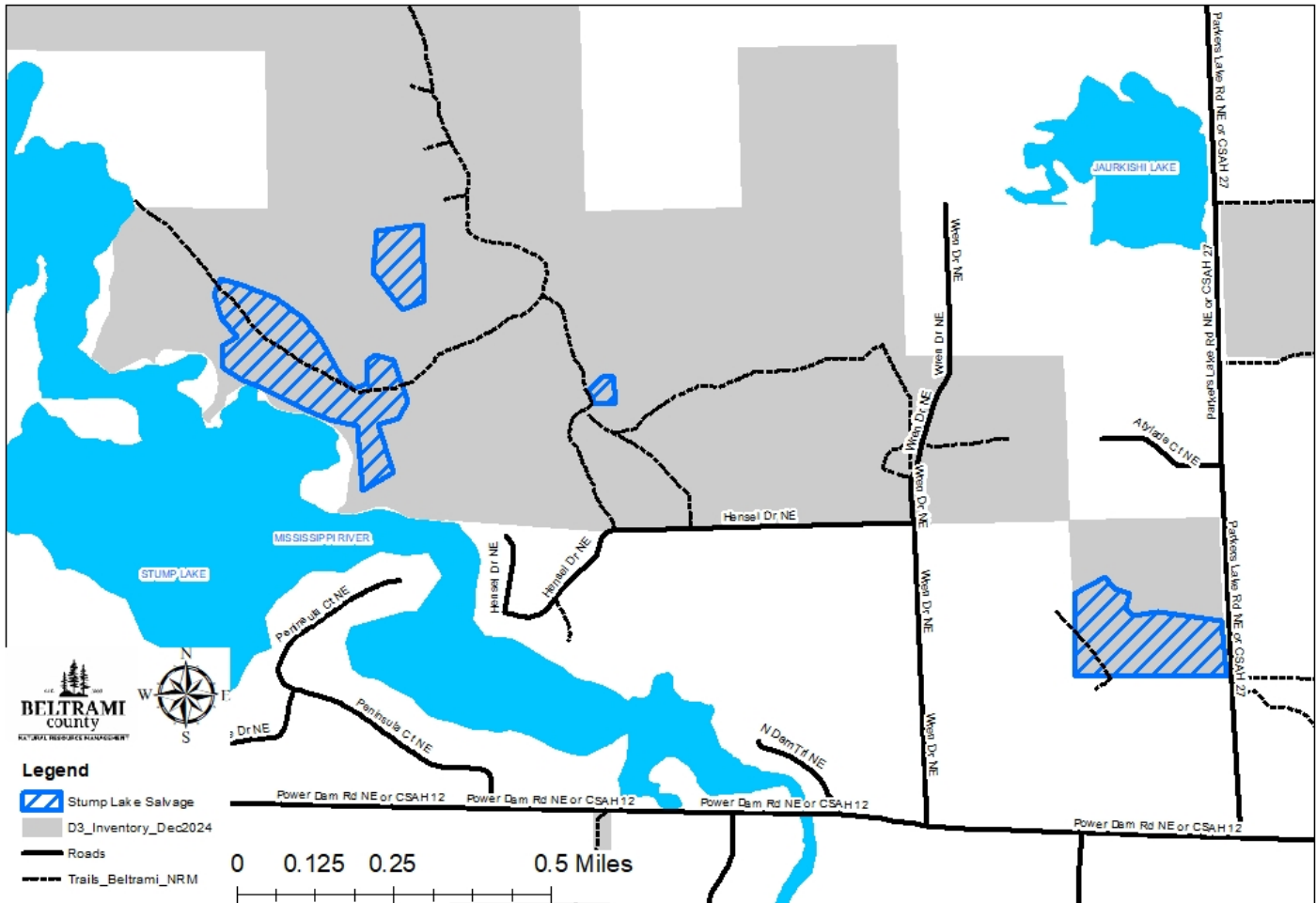
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Site Map:

Stump Lake Salvage Sale



Appraisal examined and approved by

Forester

Date

Appraisal examined and approved by

Land Department

Date

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:		Stump Lake Salvage					
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
	3	146	32	31	Frohn	NE1/4 of SE1/4	
	4	146	32	31	Frohn	NE1/4	
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
3	146	32	12	17	45	FDn33	Clear Cut w/Reserves
4	146	32	12	31	45	FDn33	Clear Cut w/Reserves
3	146	32	52	17	100	FDc34	Group Selection
4	146	32	52	31	100	FDc34	Group Selection
*NPC	FDc34 - Central Dry-Mesic Pine-Hardwood Forest, FDn33 - Northern Dry-Mesic Mixed Woodland						
No Basal Data							
Current Site Conditions	<p>Current CTYPE is Norway Pine, aged approximately 100 years, with SI 55, and overall BA of 150 sq.ft./ac. This stand has light damage from the June storm. Since this stand is within the Mississippi River RMZ and subject to certain restrictions, Norway and White Pine will only be cut if bent, broken, or leaning.</p> <p>Current CTYPE is Aspen, aged approximately 45 years, with SI 70, and overall BA of 100 sq.ft./ac. The stand along Parker Lake Road is about 20% damaged, mostly leaning and/or uprooted. This stand will be harvested last as it is the least risk of loss. The six acre stand appears by satellite imagery to be heavily impacted.</p>						
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 retain as much undamaged standing timber as possible. The 100 year old pine is within the Mississippi River RMZ and highly visible to the public. The long term plan will be to manage the pine stand for a multi-aged mixed species stand. The Aspen will be clearcut with reserves and managed for age class diversity among other aspen stands on this block of county managed forest.						
Regeneration	Aspen regeneration will be primary, with some seeding from reserve species and some stump sprouting to add diversity. Norway and White Pine will be planted in harvest gaps						
Riparian	<p>Filter Strips from adjacent wetlands must be protected from scarification.</p> <p>RMZ - Most of the Pine Stand is within the 500 foot Mississippi Scenic River RMZ. Cutting Regulations are designed to preserve a significant portion of the overstory while salvaging damaged timber and promoting regeneration in the gaps.</p>						
Wetlands	<p>Riverine - rivers and adj. (except type 1)</p> <p>type 6 - shrub swamp</p> <p>Wetland and lowland brush areas are either excluded from the harvest block or protected by ERZ within block. Be sure to minimize scarification in filter strip per BMP guidelines.</p>						
Soil Types	<p>867 B&C - Graycalm Menahga Loamy Sand</p> <p>117 - Cormant Loamy Fine Sand</p> <p>240 B&C - Warba Fine Sandy Loam</p> <p>620C - Cutaway Loamy Fine Sand</p>						

STAND HARVEST PRESCRIPTIONS

Wildlife	Project spacing of habitat elements is beneficial to wildlife. Project timing is beneficial to wildlife. Project will establish long lived conifers along riparian areas and streams. Reserve clumps - Reserve clumps are maintained at the edge of the stand for habitat connectivity & to help them be wind firm. Stand managed as extended rotation favoring mature forest species. 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	High - Visual sensitivity is high, Visual quality protected by a combination of buffers, 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)

Group Selection

cut the marked areas for gaps (Group Selection)