

# Beltrami County NRM Timber Appraisal

# 225042

Page: 1 of 3

**Appraised By:**

Nick Ronning

**Appraisal Date:**

07/11/2025

**Sale Type:**

SEALED BID-REGULAR

**Auction Date:**

07/25/2025

**Access:**

Private Access

**Appraisal Number:**

Frohn Salvage

**Permit Number:**

225042

**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>
	8	146	32	31	Frohn	
	9	146	32	31	Frohn	
	10	146	32	31	Frohn	
	15	146	32	31	Frohn	
	21	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	1,550	Cords	\$15.00	\$23,250.00	Includes Balm	
Bid	Red Pine pulp	700	Cords	\$8.00	\$5,600.00	Includes JP & WP	
Bid	Red Pine bolts	350	Cords	\$20.00	\$7,000.00	Includes JP & WP	
Non-Bid	Mixed Hardwoods	75	Cords	\$5.00	\$375.00	Everything except Pine and Aspen, including Spruce and Balsam	
					\$36,225.00	<b>Subtotal</b>	
<b>Total Cords: 2,675 Total MBF: 0</b>					\$36,225.00	<b>Total</b>	
					\$5,433.75	<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
<b>Topography:</b>	flat to slightly rolling		
<b>Acres:</b>	219		

**DRAIN****Type:**

SEALED BID-REGULAR

**Acres Cut:**

219.00

Total: 219.00

**Harvest Specifications**

<b>Access</b>
There are several private access points and several public access points required to complete this sale. Logger will need to comply with landowner requirements and leave all roads on public or private land as good or better than pre-storm condition. County will have Old Crossing Road graded after sale is closed.
One of the access roads cuts the corner of private land near the center of Section 9. Logger will be required to move the road entirely onto county to facilitate future access. Approximately 350 feet of road building. County will pay for 50 yards of material.

<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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<b>Appraisal Date:</b> 07/11/2025	<b>Auction Date:</b> 07/25/2025	<b>Permit Number:</b> 225042
	<b>Access:</b> Private Access	<b>Expiration Date:</b> 07/25/2026

**Harvest and Reserves**

- Cut Trees: All bent, broken, leaning trees. All Aspen, Balm, and Ash. All birch > 6" DBH. 90 year old Norway Stand will be fully harvested and replanted. Thin Norway Pine Plantations to 100 BA where appropriate. To be determined during presale meeting.
- Leave Trees: Where Norway Pine plantations can be held until normal rotation, thin down to 100BA. Reserve Birch < 6" DBH. Reserve oak that will live to the next harvest.
- Some boundaries may 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 nearby 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. Discuss plans with Forester. Where plantation establishment will be needed, Large slash piles are recommended.

**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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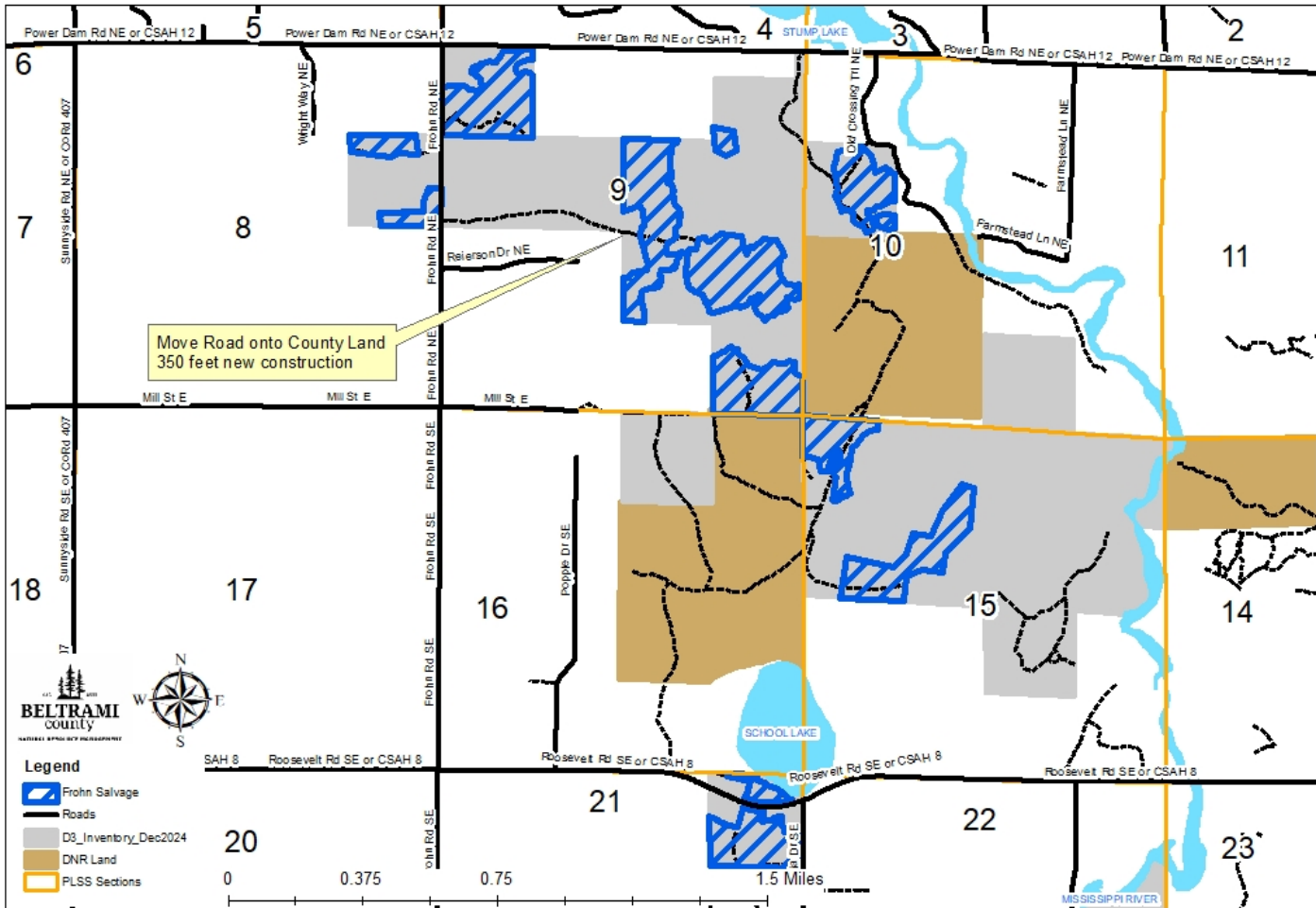
225042

**Expiration Date:**

07/25/2026

**Site Map:**

## Frohn Salvage Sale



Appraisal examined and approved by

Forester

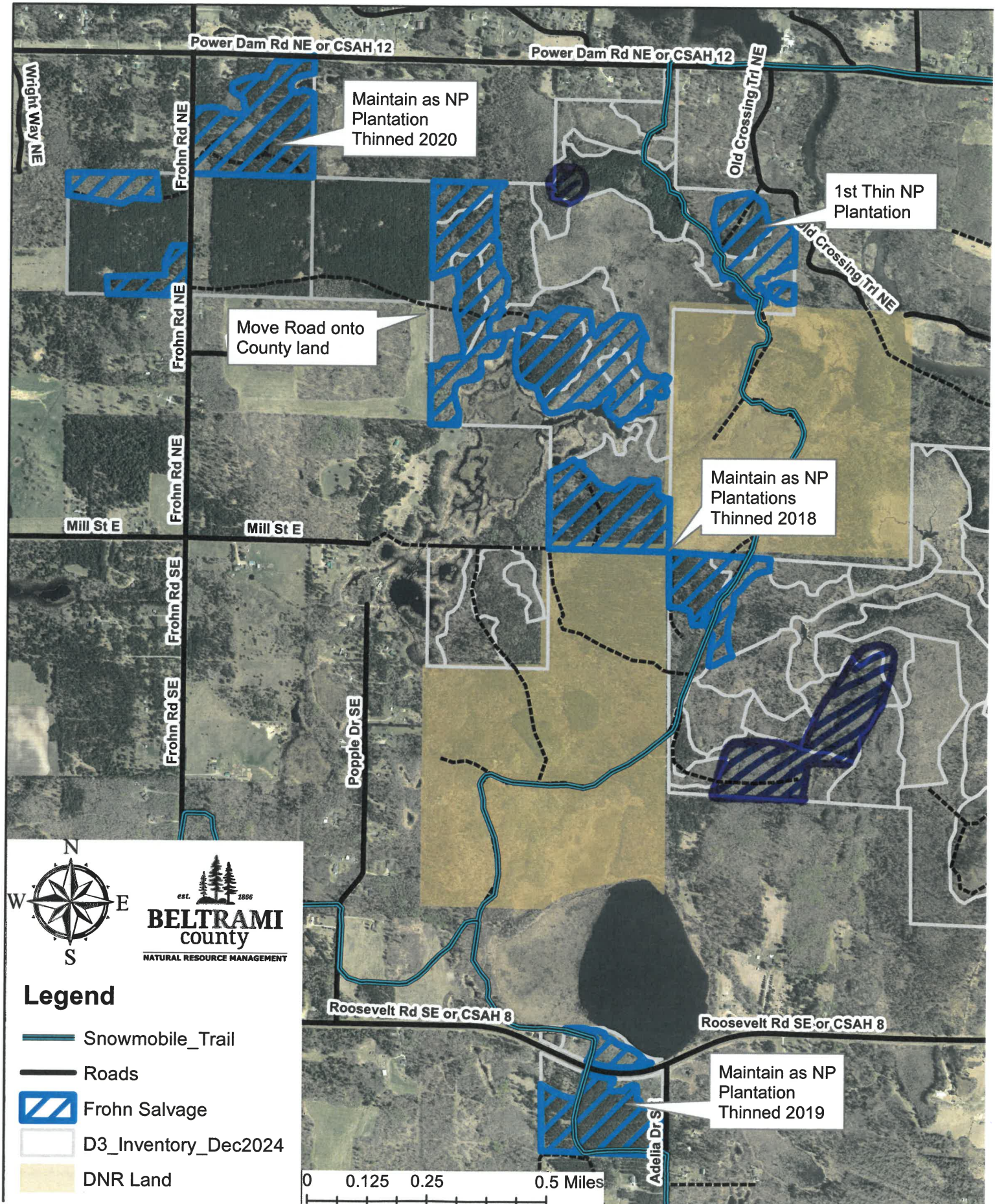
Date

Appraisal examined and approved by

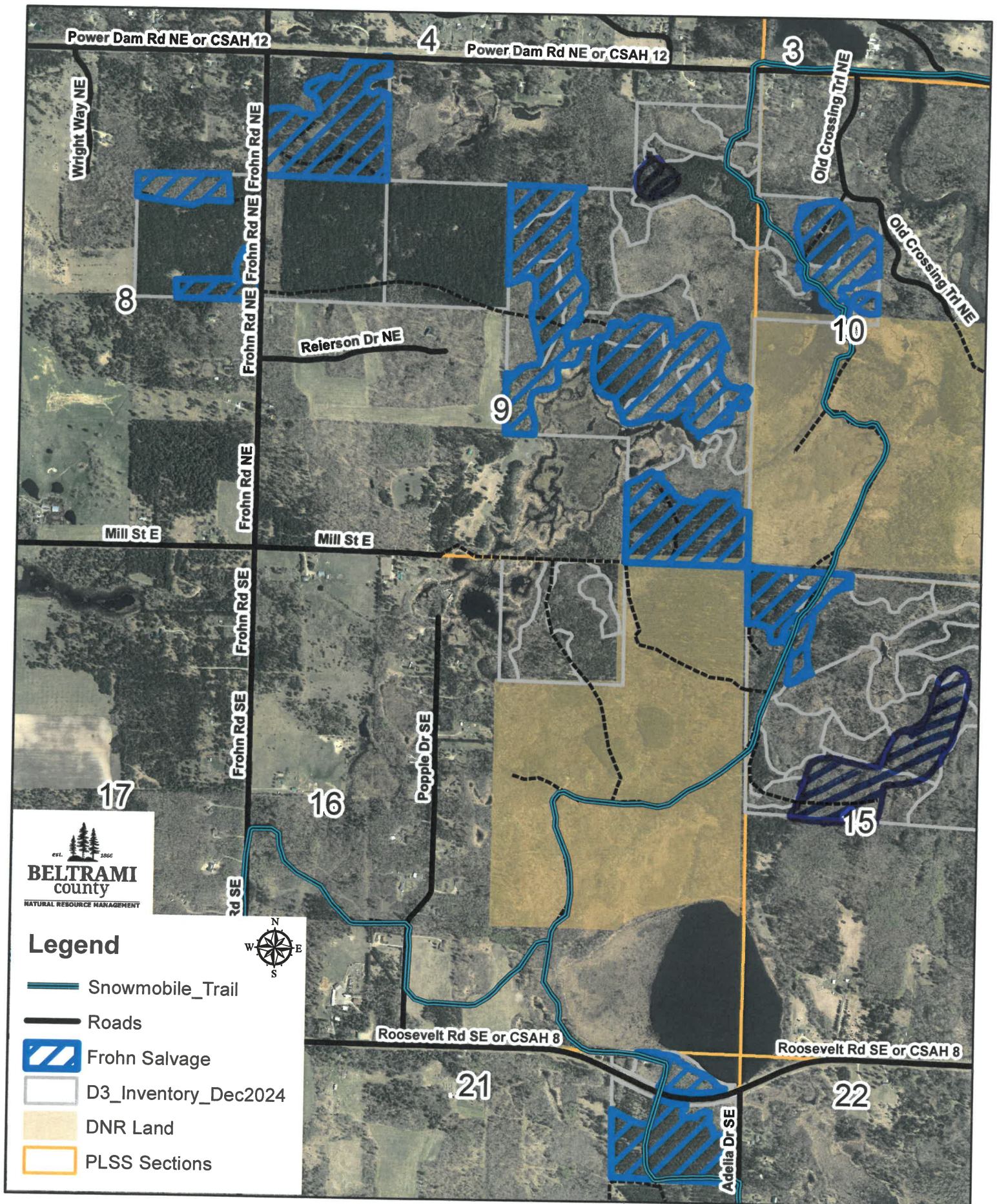
Land Department

Date

# Frohn Salvage Sale - Cutting Plan



# Frohn Salvage Sale



## STAND HARVEST PRESCRIPTIONS

Timber Sale Name:		Frohn Salvage					
Description:							
RE Code		Sec.	Twp.	Rge.	School	City/Twp	Subd
		8	146	32	31	Frohn	
		9	146	32	31	Frohn	
		10	146	32	31	Frohn	
		15	146	32	31	Frohn	
		21	146	32	31	Frohn	
Block:		1					
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
8	146	32	12	13	45	FDc23	Clear Cut w/Reserves
9	146	32	12	118	45	FDc23	Clear Cut w/Reserves
10	146	32	12	17	45	FDc23	Clear Cut w/Reserves
15	146	32	12	15	45	FDc23	Clear Cut w/Reserves
21	146	32	12	25	45	FDc23	Clear Cut w/Reserves
8	146	32	13	13	50	FDc23	Clear Cut w/Reserves
9	146	32	13	118	50	FDc23	Clear Cut w/Reserves
10	146	32	13	17	50	FDc23	Clear Cut w/Reserves
15	146	32	13	15	50	FDc23	Clear Cut w/Reserves
21	146	32	13	25	50	FDc23	Clear Cut w/Reserves
8	146	32	53	13	42	FDc23	Clear Cut w/Reserves
9	146	32	53	118	42	FDc23	Clear Cut w/Reserves
10	146	32	53	17	42	FDc23	Clear Cut w/Reserves
15	146	32	53	15	42	FDc23	Clear Cut w/Reserves
21	146	32	53	25	42	FDc23	Clear Cut w/Reserves
8	146	32	52	13	35	FDc23	Intermediate Thin
9	146	32	52	118	35	FDc23	Intermediate Thin
10	146	32	52	17	35	FDc23	Intermediate Thin
15	146	32	52	15	35	FDc23	Intermediate Thin
21	146	32	52	25	35	FDc23	Intermediate Thin
*NPC		FDc23 - Central Dry Pine Woodland					
No Basal Data							
Current Site Conditions		This is a large sale consisting of numerous blocks of storm damaged Pine and Aspen coverytype. The Aspen 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.					

## STAND HARVEST PRESCRIPTIONS

<b>Insect/Disease</b>	Ips - Potential for Ips Beetle in logs & slash, use hauling guides. Significant percentage is blown down wood from storm on June 21, 2025.
<b>Timber Objectives</b>	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.
<b>Regeneration</b>	Regeneration will be a combination of natural aspen and hardwood regeneration and conifer planting where needed.
<b>Riparian</b>	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 School Lake shoreline. The same rules apply to the open water flowages in sections 9 & 10.
<b>Wetlands</b>	type 5 - shallow (3'-10') open water type 6 - shrub swamp
<b>Soil Types</b>	Loamy Fine Sand Loamy Sand
<b>Wildlife</b>	Project timing is beneficial to wildlife Reserve clumps - Reserve clumps are maintained at the edge of the stand for habitat connectivity & 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.
<b>Visual Sensitivity</b>	Medium - Visual ranking is moderate on this site, Visual quality protected by a combination of buffers, landing placement, harvest design (leave trees or harvest shape), slash disposal limit near roads, etc.
<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)