

Beltrami County NRM Timber Appraisal

225033

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Appraised By:

Nick Ronning

Appraisal Date:

06/20/2025

Sale Type:

REGULAR AUCTION SALE

Auction Date: 08/07/2025**Access:** Public Access**Appraisal Number:** Pincherry OSR**Permit Number:** 225033**Expiration Date:** 08/07/2027**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>
	21	147	32	31	Turtle River	

<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	Red & White Pine bolts	450	Cords	\$40.00	\$18,000.00	Includes incidental JP bolts	
Non-Bid	Red & White Pine pulp	125	Cords	\$10.00	\$1,250.00	Includes approximately 35cd JP pulp	
Bid	Aspen pulp	225	Cords	\$25.00	\$5,625.00	Includes Balm	
Non-Bid	Birch pulp	100	Cords	\$10.00	\$1,000.00		
Non-Bid	Mixed Hardwoods	20	Cords	\$10.00	\$200.00	Oak, Maple, Ash	
					\$26,075.00	Subtotal	
Total Cords: 920 Total MBF: 0					\$26,075.00	Total	
					\$3,911.25	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, Birch pulp, Mixed Hardwoods, Red & White Pine bolts, Red & White Pine pulp

Species SAE:

Operability: To protect advanced regeneration, scarify seed bed, and minimize beetle risk to surrounding pines: September 1 - breakup

Soil Type: loamy sand and Loamy Fine Sand

Topography: flat

Acres: 40

DRAIN**Type:**

REGULAR AUCTION SALE

Acres Cut:

40.00

Total: 40.00

Harvest Specifications**Access**

- Latitude/Longitude – Pincherry Road access location is Lat. 47.533N, by Long. 94.757W.
- Latitude/Longitude – Birchmont Beach Road (CR22) access location is Lat. 47.541N, by Long. 94.737W.

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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.
- Stay within Boundaries - 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.
- PROCESSOR AND FORWARDER REQUIRED – Due to the need to protect the understory regeneration, trees must be processed at the stump and forwarded to roadside landings. A conventional Feller Buncher can be used since the overstory consists of large diameter pines, but whole tree skidding will not be allowed.
- Skid Trail percent limits – Minimize forwarder trails. Keep primary and secondary skid trails to <10-15% of timber harvest.

Harvest and Reserves

- Boundary Blue Paint - Reserve All Painted Trees
- Cut Trees: Overstory/Mature Spruce, Pine, Fir, Aspen, Hardwoods, and low quality understory hardwoods.
- Reserve and Do Not Damage: Healthy understory trees with good form. Leave some White Pine and All Good Quality Oak for Seed Trees. All Painted Trees.

Landings, Access Roads, and Skid Trails

- Roads stay open - Sale is accessible via existing road system. Roads to remain open and in pre-existing or better condition with BMP drainage after use.
- Landings Approved – Utilize existing roadside openings for landings. One landing per block.

Other Remarks

Timber cruise consisted of 30 plots. Due to the irregular spacing of large scattered trees, the results came back with high variability. The appraised volume is my best estimate but actual yield could vary widely.

Site, Soil, and Water Protection

- RMZ General - 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.
- 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

- Slash Scattered - Lop and Scatter all slash to within 2' of ground.

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

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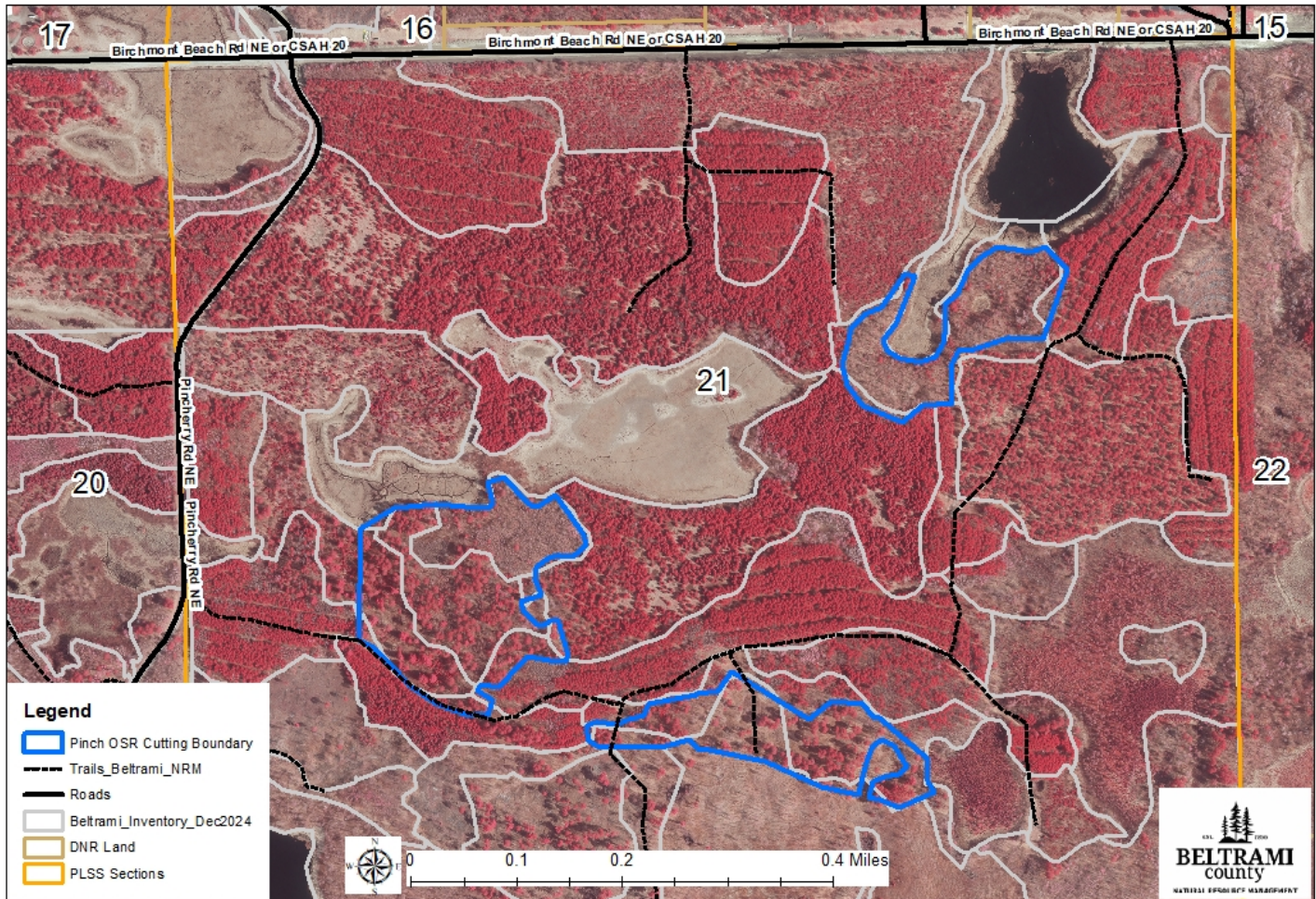
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Site Map:

Pincherry Overstory Removal Timber Sale

Section 21 T147 R32 Turtle River Township



Appraisal examined and approved by

Forester

Date

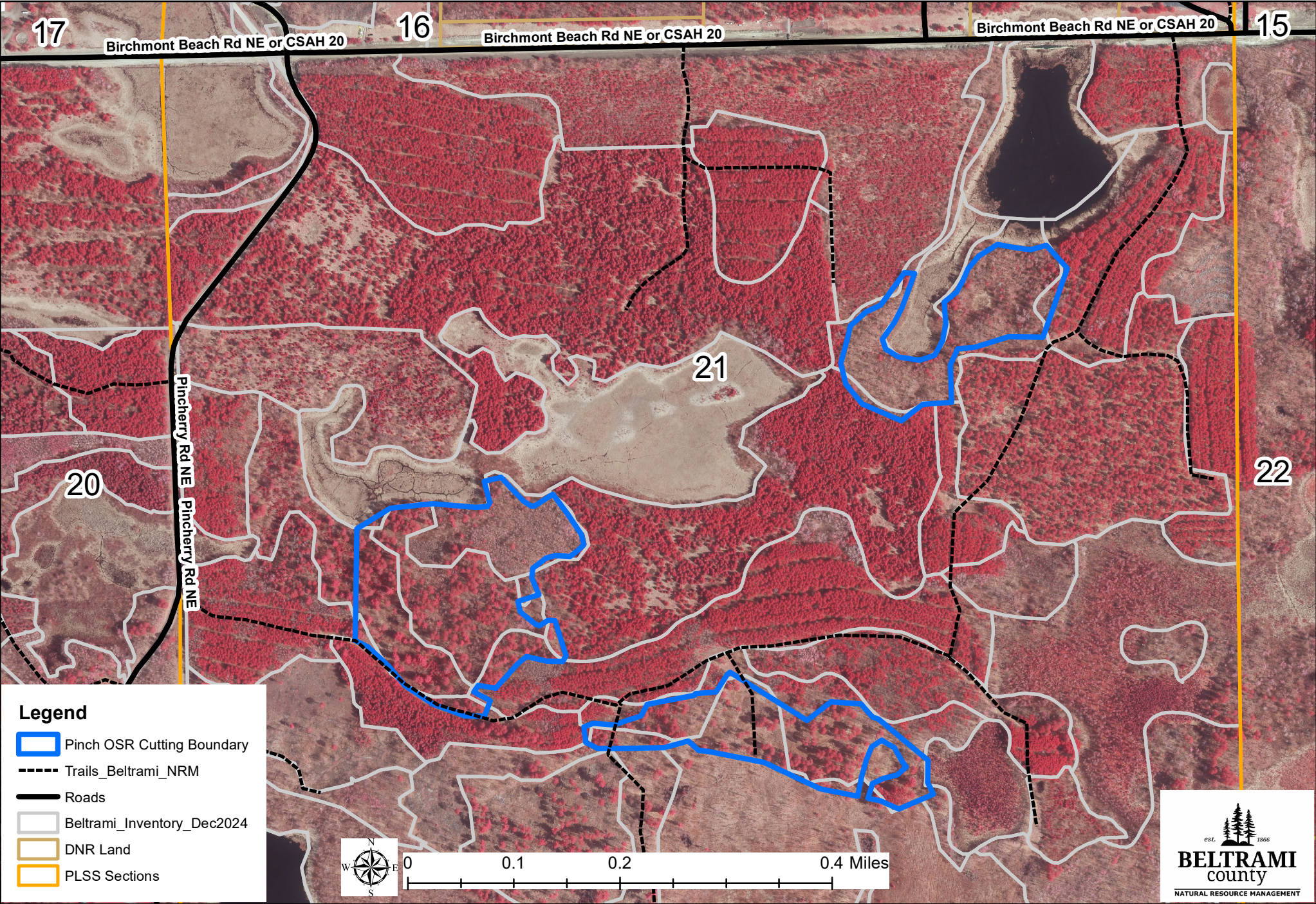
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Land Department

Date

Pincherry Overstory Removal Timber Sale

Secton 21 T147 R32 Turtle River Township



STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Pincherry OSR						
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
	21	147	32	31	Turtle River		
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
21	147	32	12	40	51	FDn33	Clear Cut w/Reserves
21	147	32	52	40	110	FDn33	Group Selection
*NPC	FDn33 - Northern Dry-Mesic Mixed Woodland						
No Basal Data							
Current Site Conditions	<p>The West Block Contains 51 year old Aspen with SI 50, 110 year old Norway Pine with SI 60 and overall BA of 100sq.ft./ac. This block has significant understory regeneration that will be released by removing the overstory.</p> <p>The South Block Contains 135 year old Norway Pine with SI 53 and overall BA of 80sq.ft./ac. This block has significant understory regeneration that will be released by removing the overstory.</p> <p>The Northeast Block is typed as 78 year old Norway Pine but it is mostly Birch with some Norway Pine, Jack Pine, Oak and Aspen. The overall BA is 90sq.ft./ac. This block is essentially a full harvest with minimal reserves.</p>						
Insect/Disease	Ips - Potential for Ips Beetle in logs & slash, use hauling guides and operability dates.						
Timber Objectives	Two-aged - management where the reserve trees of a seed tree or shelterwood are removed to allow advanced regeneration to grow to rotation.						
Regeneration	Advanced regeneration is established, released by this cut. Aspen root suckering will regenerate the stand. Northern Hardwoods regeneration from seed and stump sprouting. Norway Pine will be planted to ensure prompt regeneration.						
Riparian	Filter Strips from adjacent wetlands must be protected from scarification						
Soil Types	Andrusia Loamy Sand Cutaway Loamy Fine Sand Graycalm-Menahga Complex (loamy Sand)						
Wildlife	Project spacing of habitat elements is beneficial to wildlife. Project timing is beneficial to wildlife. The balsam fir and other understory conifer are being reserved for cover. The reserved species will serve as a mast production for wildlife.						
Visual Sensitivity	There are no visual concerns for this harvest area						
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)