

# Beltrami County NRM Timber Appraisal

# 225003

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<b>Appraised By:</b> Clayton Marcott	<b>Sale Type:</b> REGULAR AUCTION SALE	<b>Appraisal Number:</b> Polaris Oaks
<b>Appraisal Date:</b> 06/12/2024	<b>Auction Date:</b> 04/03/2025	<b>Permit Number:</b> 225003
	<b>Access:</b> Public Access	<b>Expiration Date:</b> 04/10/2027

## 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>
	3	149	33	31	Nebish	NW 1/4 SW 1/4

<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	120	Cords	\$25.00	\$3,000.00	Some oversized Aspen	
Bid	Birch pulp	15	Cords	\$10.00	\$150.00		
Bid	Maple pulp	45	Cords	\$10.00	\$450.00	Hard Maple and Soft Maple	
Bid	Basswood Pulp & Bolts	200	Cords	\$10.00	\$2,000.00		
Bid	Red Oak Pulp & Bolts	250	Cords	\$10.00	\$2,500.00	Includes incidental Bur Oak	
Bid	Ash pulp	10	Cords	\$10.00	\$100.00		
Bid	Red Pine Pulp & Bolts	5	Cords	\$20.00	\$100.00		
					\$8,300.00	<b>Subtotal</b>	
<b>Total Cords: 645 Total MBF: 0</b>					\$8,300.00	<b>Total</b>	
					\$1,245.00	<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:** Ash pulp, Aspen pulp, Basswood Pulp & Bolts, Birch pulp, Maple pulp, Red Oak Pulp & Bolts, Red Pine Pulp & Bolts

**Species SAE:**

<b>Operability:</b>	Logging may occur: Aug 1 - Spring Breakup	<b>Soil Type:</b>	Snellman Fine Sandy Loam
<b>Topography:</b>	flat to slightly rolling		
<b>Acres:</b>	33		

## DRAIN

<b>Type:</b>	<b>Acres Cut:</b>
REGULAR AUCTION SALE	33.00

Total: 33.00

## Harvest Specifications

<u>Access</u>
• Latitude/Longitude – Primary access location is Lat. 47.756N, by Long. 94.881W.

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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 - 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

- Blue Paint Boundary and Reserve Trees. Do not cut or damage any blue painted trees. Approximately 800 reserve trees (25/ac) + Boundary Trees
- Leave Trees: All Blue Painted Trees. Generally reserve hardwood trees 8" DBH and less, with good form and good health. No minimum diameter on Ash, Aspen, Basswood.

## Landings, Access Roads, and Skid Trails

- General Road/trail BMP - A combination of road drainage BMPs may be applicable, which combined with slash trampling to close the temporary roads to vehicles will provide erosion protection.
- New Haul Road will need to be created. The location of this road has been painted in Red and is marked on the map in Red.
- Roads stay open - Sale is mostly accessible via existing road system. Currently the best road access is on Private, but there is an approach and trail on County that can be improved for access. Any trees cut for road building will be scaled. County will provide up to 300 yards of material and any permit fees for upgrading this access. Roads to remain open and in pre-existing or better condition with BMP drainage after use.

## Permits Required

- Written Permission will be required if using private access. Public access can be made with improvements.

## Site, Soil, and Water Protection

- Intermittent streams – small intermittent streams less than 3' wide are in the project area. Crossings may be frozen or dry and firm. Slash, mats or corduroy must be approved by Forester. Use must not damage bed, banks or flow cross sections.
- 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 most slash to within 2' of the ground. Scattered slash piles are encouraged for wildlife benefits.

## Tree Size, Marketing, and Special Conditions

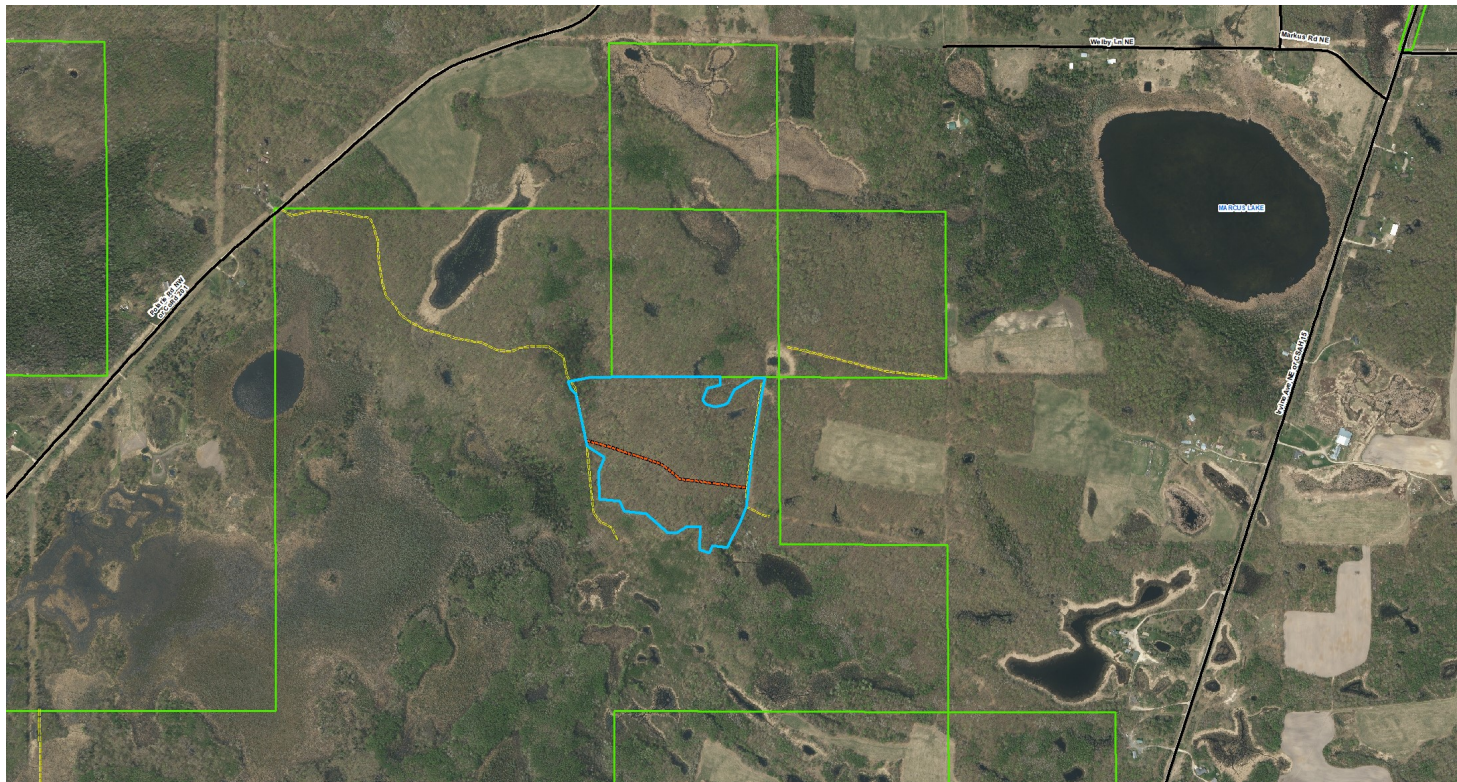
- 4 inch TDIB – Utilize all material from butt to a 4" top diameter inside bark.
- No excess culling – Cutting long Butts or oversize tops to produce higher quality product must be done to retain marketable lengths of lower value pulp or firewood. Culling which leaves excessive amounts of wood in unmarketable 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.
- 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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Site Map:



Appraisal examined and approved by	_____	_____
	Forester	Date
Appraisal examined and approved by	_____	_____
	Land Department	Date

## STAND HARVEST PRESCRIPTIONS

<b>Timber Sale Name:</b>	Polaris Oaks						
<b>Description:</b>							
<b>RE Code</b>	<b>Sec.</b>	<b>Twp.</b>	<b>Rge.</b>	<b>School</b>	<b>City/Twp</b>	<b>Subd</b>	
	3	149	33	31	Nebish	NW 1/4 SW 1/4	
<b>Block:</b>	1						
<b>Stand Details</b>							
<b>Section</b>	<b>Township</b>	<b>Range</b>	<b>Timber Type</b>	<b>Acres</b>	<b>Stand Age</b>	<b>NPC</b>	<b>Harv Meth Desc</b>
3	149	33	30	33	85	MHn35	Seed Tree
<b>*NPC</b>	MHn35 - Northern Mesic Hardwood Forest						
No Basal Data							
<b>Current Site Conditions</b>	Stand is overmature hardwoods, much of the aspen and balsam fir has already blown down. Current CTYPE is Oak, aged 85 years, with SI 62, and overall BA of 120sq.ft./ac. Cruise consisted of 37 plots showing 44% Red Oak, 29% Basswood, 13% Aspen, 14% various species. Your final scaled volume, including species breakdowns, may vary considerably from the appraised volume due to variations in cruise plot location vs marked reserve density, product utilization, etc.						
<b>Timber Objectives</b>	Harvest removes most of the trees in an area while retaining seed trees singly or in groups for the purpose of furnishing seed to restock the harvested area. Seed trees may be removed after adequate regeneration is established. The overall goal is to promote the health and quality of the future stand by retaining as many quality trees as possible for partial overstory shade and quality seed sources.						
<b>Regeneration</b>	Harvest timing restrictions were set to promote the best regeneration possible. Advanced regeneration is established, released by this cut. All cut species should regenerate naturally. Possible Interplant of NPC compatible species to add species diversity						
<b>Riparian</b>	Filter Strips from adjacent wetlands must be protected from scarification						
<b>Wetlands</b>	Wetland and lowland brush areas are mostly excluded from the harvest block or protected by ERZ within block. Be sure to minimize scarification in filter strip per BMP guidelines.						
<b>Soil Types</b>	Snellman Fine Sandy Loam. Subject to rutting to when wet. All operations must shut down prior to causing ruts or soil damage.						
<b>Wildlife</b>	All dead and den trees and snags will be reserved unless they pose a safety hazard. Project spacing of habitat elements is beneficial to wildlife. Project timing is beneficial to wildlife The reserved species will serve as a mast production for wildlife. Scattered slash piles may be created for wildlife benefits.						
<b>Visual Sensitivity</b>	There are no visual concerns for this harvest area						
<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

### **Seed Tree**

Harvest as marked (Full Harvest)