

Beltrami County NRM Timber Appraisal

225005

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Appraised By: Nick Ronning Appraisal Date: 02/10/2025	Sale Type: REGULAR AUCTION SALE Auction Date: 04/03/2025 Access: Public Access	Appraisal Number: Sumac Pople Permit Number: 225005 Expiration Date: 04/03/2027
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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>
	12	147	33	31	Northern	SW 1/4 SE 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	70	Cords	\$25.00	\$1,750.00		
Bid	Red Pine bolts	25	Cords	\$40.00	\$1,000.00	includes incidental Jack Pine bolts	
Non-Bid	Red Pine pulp	5	Cords	\$8.00	\$40.00	includes incidental Jack Pine pulp	
Non-Bid	Mixed Hardwoods	20	Cords	\$10.00	\$200.00		
					\$2,990.00	Subtotal	
Total Cords: 120 Total MBF: 0					\$2,990.00	Total	
					\$448.50	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 Hardwoods, Red Pine bolts, Red Pine pulp
Species SAE:

Operability: Promote aspen and oak Regen: July 15 - Breakup **Soil Type:** loamy sand
Topography: flat to slightly rolling
Acres: 15

DRAIN

Type: REGULAR AUCTION SALE **Acres Cut:** 15.00

Total: 15.00

Harvest Specifications

<u>Access</u>
<ul style="list-style-type: none"> • Latitude/Longitude – Primary access location is Lat. 47.555N, by Long. 94.805W. • 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.

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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
- Progressive Skidding Pattern – On summer Aspen harvest, use a progressive skidding pattern across blocks to avoid damage to aspen regeneration which happens when re-skidding through an area.
- 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 - Keep all harvest activities in the marked boundary. Failure may be subject to a \$100 penalty per incident.
- Stumps – Average stump heights below 12" and as low as possible.
- Trees will need to be limbed and topped prior to skidding to prevent damage to residual stand and advanced regeneration.

Harvest and Reserves

- Boundary Blue Paint - leave all painted boundary trees
- Cut Trees: All Mature Aspen, Birch, Norway Pine, Jack Pine. Thinning of junky 1-3 stick firewood oak
- Leave Trees: All Blue Painted Trees, Future Oak Crop Trees, White Pine, understory conifer

Landings, Access Roads, and Skid Trails

- Roads stay open - Roads to remain open and in pre-existing or better condition with BMP drainage after use.
- Landings Approved – Landing locations must be approved in advance by the Forester. Sale plan includes 1 existing landing and 1 new landing

Other Remarks

- Access Road – Access road for Timber Sale also services a gravel pit. Logger may need to accomodate gravel pit traffic. Road must be left as good or better than before sale and must be passable during timber harvest.

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

- Slash Scattered - Lop and Scatter slash to within 2' of ground. Scattered Slash Piles (20'x20'x10') are encouraged for wildlife

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.

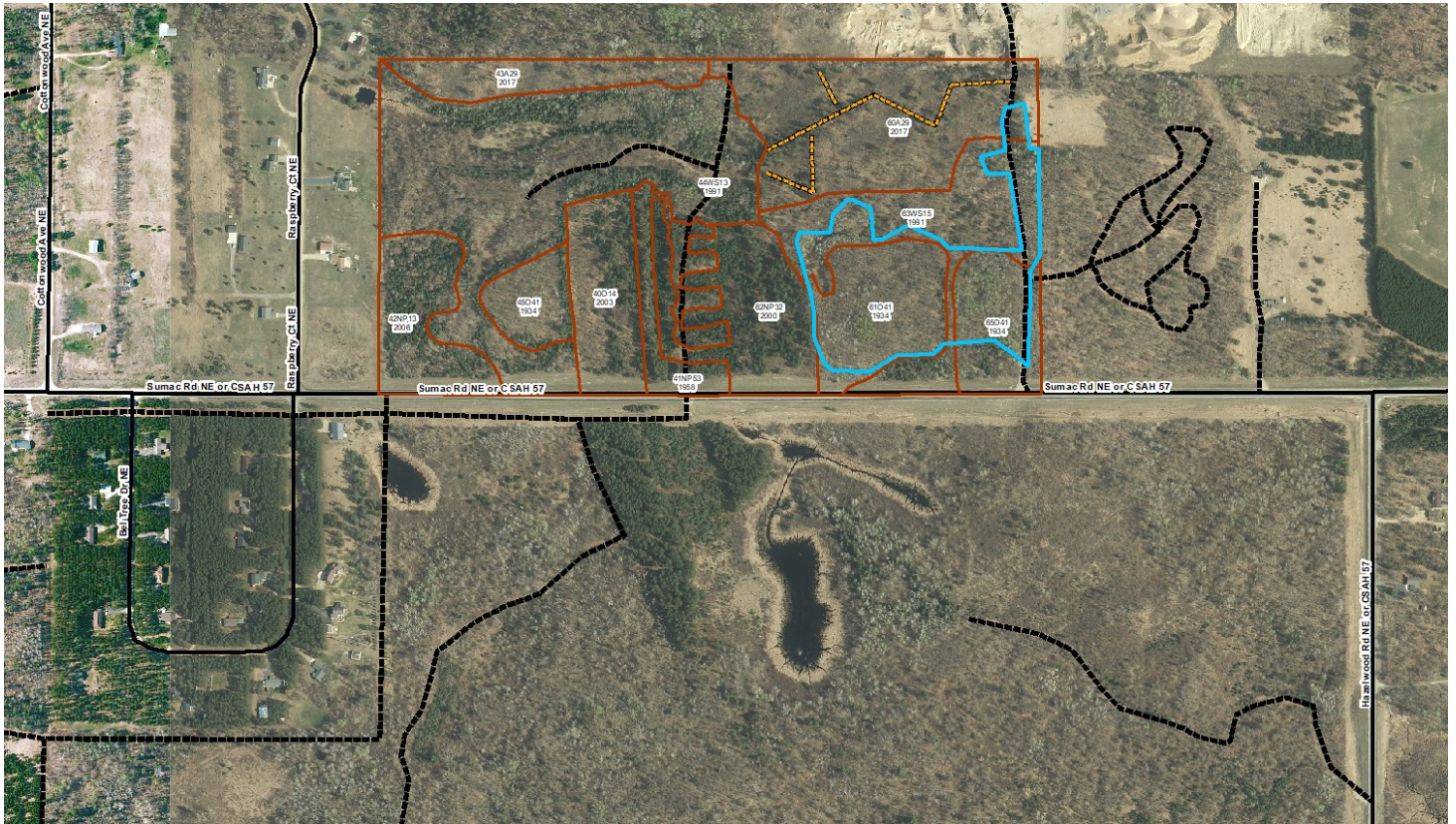
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Site Map:



Appraisal examined and approved by _____

Forester

_____ Date

Appraisal examined and approved by _____

Land Department

_____ Date

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Sumac Popple						
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
	12	147	33	31	Northern	SW 1/4 SE 1/4	
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
12	147	33	12	15	8	FDn43	Group Selection
12	147	33	61	15	35	FDn43	Group Selection
12	147	33	30	15	91	FDn43	Group Selection
*NPC	FDn43 - Northern Mesic Mixed Forest						
No Basal Data							
Current Site Conditions	Timber sale area consists of group selections of mature Pine, Aspen, and birch with some canopy gap thinning of scrubby red oak. Aspen is 3-5 sticks tall, Norway Pine is 16-20" DBH and 6+ sticks, Jack Pine is 12-14" DBH and 4 sticks, Most oak is 1 stick firewood. Road that will access timber sale also leads to a gravel pit. Gravel traffic may need accomodations.						
Timber Objectives	The goal of this sale is to regenerate mature aspen clones mixed in a scrubby oak stand; create growing space in the oak stand for the better oak trees by removing 20-35% of the basal area by select cutting the worst trees. Also, to remove mature Norway Pine overstory from 8 year old mixed aspen/hardwood/spruce site.						
Regeneration	Advanced regeneration is established, released by this cut. Aspen regeneration will be primary, with some seeding from reserve species and some stump sprouting to add diversity						
Soil Types	Marquette and Andrusia Loamy Sand. Even though these are all season soils, sale will not be operated between spring breakup and July 15 in order to promote aspen and oak regeneration						
Wildlife	Project has specific design to favor early successional species. 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 balsam fir and other understory conifer are being reserved for cover. The reserved species will serve as a mast production for wildlife. Scattered Slash Piles (20'x20'x10') for wildlife are encouraged.						
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

Group Selection

cut the marked areas for gaps (Group Selection)