

Beltrami County NRM Timber Appraisal

Appraised By: Garret DeChaine Appraisal Date: 04/04/2024	Sale Type: REGULAR AUCTION SALE Auction Date: 04/04/2024 Access:	Appraisal Number: Soo Line Pine Thin Permit Number: 224007 Expiration Date: 11/04/2026
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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>		
	34	147	34	31	Eckles	NW,NE,SE		
<u>Block 1 Species</u>	<u>Volume</u>	<u>Units</u>	<u>Unit Price</u>	<u>Value</u>	<u>Comments</u>	<u>Bolt %</u>	<u>Bid</u>	
Red Pine Pulp & Bolts	305	Cords	\$20.00	\$6,100.00	Bolt % based on cruise from second thin.	40	^	
White Spruce Pulp & Bolts	10	Cords	\$20.00	\$200.00			^	
Jack Pine Pulp & Bolts	10	Cords	\$20.00	\$200.00			^	
Aspen pulp	5	Cords	\$24.00	\$120.00			^	
				\$6,620.00	Subtotal			
Total Cords: 330 Total MBF: 0				\$6,620.00	Total			
				\$993.00	15% Down Payment			

Bid Symbols: ^ = Bid Species; # = Non-Bid Species; + = Sold Area Estimate; * = Sold Area Estimate & Non-Bid Species
All species woodsrun unless listed otherwise.

Species Scaled: Aspen pulp, Jack Pine Pulp & Bolts, Red Pine Pulp & Bolts, White Spruce Pulp & Bolts
Species SAE:

Operability:	Firm or Frozen	Soil Type:	fine sandy loam
Topography:	flat		
Acres:	50		

DRAIN	
Type: REGULAR AUCTION SALE	Acres Cut: 50.00
Total: 50.00	

Harvest Specifications

Access
Sale is off Soo Line south of highway 2. Best access from Wilton to Melby Ln. onto Soo Line.

Harvest and Reserves
Processor only sale. Blue paint boundary. Sale is part first thin & part second thin of red pine. Preferred harvest method for first thin is every 1/5th row removal with between row thinning, about 25% removal. In second thin portion operator will cut all red marked trees and thin unmarked red pine to 110 average BA. Second thin cruise = 130 cords red pine bolts & 30 cords red pine pulp. First thin cruise = 145 cords red pine pulp.

Landings, Access Roads, and Skid Trails
Preexisting woods roads and NRM will pay for up to 100 yards of road material.

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Site Map:



Appraisal examined and approved by

Forester

Appraisal examined and approved by

Richard A. Moore

Land Department

2/20/2024

Date

2/16/2024

Date

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Soo Line Pine Thin						
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
	34	147	34	31	Eckles	NW,NE,SE	
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
34	147	34	52	50	30	FDc34	First Thin
*NPC	FDc34 - Central Dry-Mesic Pine-Hardwood Forest						
No Basal Data							
Current Site Conditions	First thin red pine age is 28-30 and averages 3 sticks. Second thin red pine age is 36 (1st thinned 2014) and averages 4 sticks 8-10" average DBH.						
Insect/Disease	Follow attached bark beetle restrictions.						
Timber Objectives	<p>Goal of first thin is to harvest approximately 25% of volume within plantation.</p> <p>Goal of second thin is to harvest pine down to 110 average BA.</p> <p>Thinning should redistribute spacing and maintain stocking levels within plantation. Allowing for continual growth until subsequent thins and final harvest.</p>						
Wetlands	NW sale area in second thin block has seasonal creek and post-thin BA will be adequate an buffer.						
Natural Heritage	Database was checked and no resources found.						
Cultural Resources	Database was checked and no resources found.						

STAND HARVEST PRESCRIPTIONS

Harvest Methods

First Thin

Initial thinning in young Pine (Thinning)

Prevention Techniques for Bark Beetles

Applies to thinning, road building, or construction operations and blow-down in pine stands and plantations during any time of year:

- Avoid wounding the living, residual pines.
- Slash smaller than 2-3 inches in diameter can be left in the stand if scattered and not piled. Do not lop off the green branches.

Safest and easiest

If cutting occurs from September 1 to November 30:

May leave slash on site

**Risky for bark
beetles and blue
staining of cut
products**

If cutting occurs from December 1 to May 31

All cut pine material > 3 inches and pine logs must be removed or destroyed before ***June 1***.

Very risky

If cutting occurs from June 1 to August 31

All cut pine material > 3 inches and pine logs must be removed or destroyed ***within 3 weeks*** of being created.