

Beltrami County NRM Timber Appraisal

Appraised By: Corey Campbell	Sale Type: REGULAR AUCTION SALE	Appraisal Number: Teddy Road West
Appraisal Date: 02/13/2024	Auction Date: 04/04/2024	Permit Number: 224011
	Access: Public Access	Expiration Date: 04/04/2026

Legal Description

RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
380012700	9	149	35	31	Roosevelt	SW 1/4 of SE 1/4	
Block 1 Species	Volume	Units	Unit Price	Value	Comments	Bolt %	Bid
Red Pine Pulp & Bolts	100	Cords	\$28.00	\$2,800.00	Mostly large old RP. 19" DBH avg	80	^
Jack Pine Pulp & Bolts	50	Cords	\$20.00	\$1,000.00			^
Balsam Pulp & Bolts	100	Cords	\$10.00	\$1,000.00			#
Aspen pulp	50	Cords	\$25.00	\$1,250.00			^
White Spruce Pulp & Bolts	35	Cords	\$15.00	\$525.00			#
Dead Jack Pine	15	Cords	\$4.00	\$60.00			+
Mixed Hardwoods	40	Cords	\$10.00	\$400.00	80% birch, 10% ash, 10% red maple & oak.		+
				\$7,035.00	Subtotal		
Total Cords: 390 Total MBF: 0				\$7,035.00	Total		
				\$1,055.25	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, Balsam Pulp & Bolts, Jack Pine Pulp & Bolts, Red Pine Pulp & Bolts, White Spruce Pulp & Bolts
Species SAE: Dead Jack Pine, Mixed Hardwoods

Operability: Firm or frozen ground. **Soil Type:** loamy sand
Topography: rolling
Acres: 21

DRAIN

Type: REGULAR AUCTION SALE **Acres Cut:** 21.00

Total: 21.00

Harvest Specifications

Access
Sale is located on Teddy Road 0.25 miles west of the Roosevelt Town Hall in Debs, MN. Coordinates: -95.138373 47.732221
Cutting and Skidding
Sale is a clearcut with some reserves. Goal is to trench and replant site. Cut all species listed on appraisal.
Harvest and Reserves
Blue paint boundary. Reserve all blue painted trees, white pine, dead, den trees, and non-hazardous snags.

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Landings, Access Roads, and Skid Trails

Use any preexisting skid trails and landings. Access road runs through middle of sale on high ground. Old field/landing in the center will be the main landing location.

Site, Soil, and Water Protection

RMZ along beaver flowage on the north edge of sale and is flagged with blue ribbon, harvest all pine that can be reached from hill, reserve all birch within RMZ. Minimize scarification in filter strips adjacent.

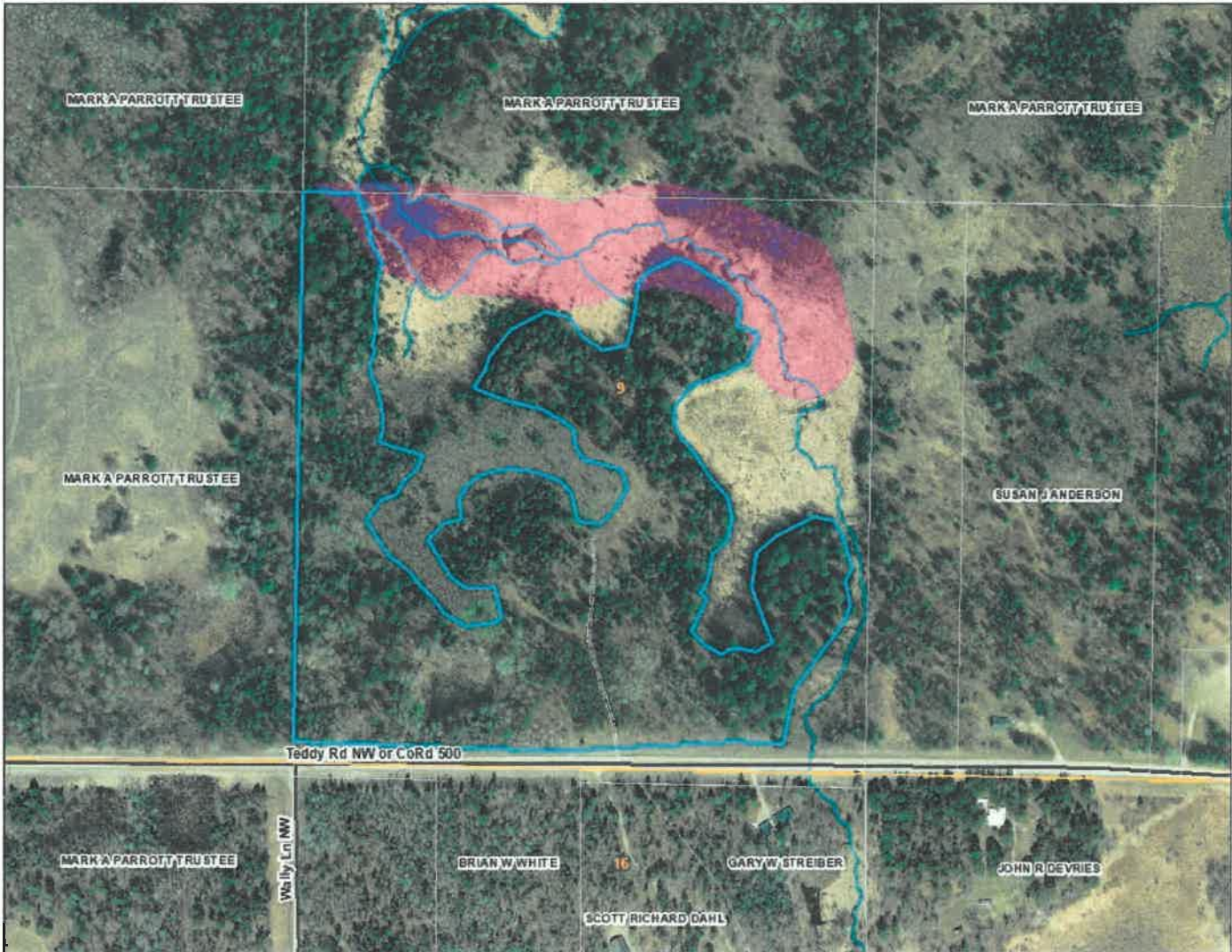
Slash Disposal

Scatter slash.

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Site Map:



Appraisal examined and approved by

Corey Campbell
Forester

2/22/2024
Date

Appraisal examined and approved by

Richard A. Moore
Land Department

2/22/2024
Date

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Teddy Road West						
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
380012700	9	149	35	31	Roosevelt	SW 1/4 of SE 1/4	
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
9	149	35	52	40	110	FDc34	Clear Cut w/Reserves
*NPC	FDc34 - Central Dry-Mesic Pine-Hardwood Forest						

No Basal Data

Current Site Conditions	Current CTYPE is red pine, with SI 47, and overall BA of 130 sq.ft./ac.
Timber Objectives	Stand is a 110 year-old red pine with a component of jack pine, balsam fir, and aspen. Silvicultural objective is a clearcut with reserves, with the goal of trenching and planting with a mix of red pine and white pine. This stand appears to have never been managed and the majority of jack pine and balsam fir have blown down in the red pine areas. Blueberry, birch, and red oak are present indicating a fire dependent community (FDc23) as well as many charred stumps. Site would benefit from a major disturbance and replanting pine species should do well on this sandy site.
Regeneration	Site will be trenched and red pine will be planted to ensure prompt regeneration.
Riparian	RMZ along beaver flowage along north edge of sale. North east corner of sale intersects small portion of RMZ (0.5 acres) and is flagged with blue ribbon. Cut red pine that can be reached from edge of hill/bank, reserve all birch and smaller balsam fir to satisfy residual basal area requirements.
Wetlands	Small wetland (~0.5 acre) along southern end of sale is painted out in blue. Two other areas of seasonal flow along topography lines present in east and west half of sale (see map). Skid on contour in these areas.
Soil Types	Andrusia loamy sand
Visual Sensitivity	Low - visual sensitivity is low, minimize slash close to roadway.
Natural Heritage	Database was checked and no resources found.
Cultural Resources	Database was checked and no resources found.
Block:	2
Stand Details	
*NPC	

No Basal Data

Current Site Conditions	Current CTYPE is balsam fir, with SI 40, and overall BA of 100 sq.ft./ac.
Timber Objectives	Stand is a 59 year-old balsam fir with a component of red pine and jack pine. Silvicultural objective is a clearcut with reserves, with the goal of trenching and planting with a mix of red pine and white pine. Most of the balsam fir portions are stagnant looking, with very little light reaching the forest floor.
Regeneration	Site will be trenched and red pine will be planted to ensure prompt regeneration.

STAND HARVEST PRESCRIPTIONS

Riparian	RMZ along beaver flowage along north edge of sale. North east corner of sale intersects small portion of RMZ (0.5 acres) and is flagged with blue ribbon. Cut red pine that can be reached from edge of hill/bank, reserve all birch and smaller balsam fir to satisfy residual basal area requirements.
Soil Types	Andrusia loamy sand, Epoufette sandy loam
Visual Sensitivity	Low - visual sensitivity is low, minimize slash close to roadway.
Natural Heritage	Database was checked and no resources found.
Cultural Resources	Database was checked and no resources found.

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.