Beltrami County NRM Timber Appraisal

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Appraised By: Sale Type:

Corey Campbell **REGULAR AUCTION SALE** Appraisal Date: Auction Date: 04/03/2025 01/23/2025 Public Access Access:

Permit Number: 225007 Expiration Date: 04/10/2027

Appraisal Number: Hammer Head

Legal Description

RE Code	<u>Sec.</u>	<u>Twp.</u>	<u>Rge.</u>	<u>School</u>	City/Twp	<u>Subd</u>
200012100	11	146	35	31	Jones	SE 1/4 of SW 1/4
200012400	11	146	35	31	Jones	SE 1/4 of SE 1/4
200012400	11	146	35	31	Jones	SE 1/4 of SW 1/4

<u>Bid</u>	<u>Species</u>	<u>Volume</u>	<u>Units</u>	Unit Price	<u>Value</u>	<u>Comments</u>	Bolt %
Bid	Aspen pulp	530	Cords	\$25.00	\$13,250.00	11" avg DBH	
AE Non-Bid	Balsam Pulp & Bolts	285	Cords	\$8.00	\$2,280.00	Includes 10 cords white spruce	
Bid	Red Pine pulp	40	Cords	\$8.00	\$320.00	Includes 1 cord of jack pine	
Non-Bid	Birch Pulp & Bolts	15	Cords	\$10.00	\$150.00		
Non-Bid	Ash pulp	10	Cords	\$10.00	\$100.00		
AE Non-Bid	Dead Jack Pine	25	Cords	\$4.00	\$100.00	Includes 1 cord of tamarack	

\$16,200.00 Subtotal Total Cords: 905 Total MBF: 0 \$16,200.00 **Total**

> \$2,430.00 15% Down Payment

> > loamy sand

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, Birch Pulp & Bolts, Red Pine pulp

Species SAE: Balsam Pulp & Bolts, Dead Jack Pine

Firm or frozen ground. Pine thin and aspen Operability: Soil Type:

along ridges could be done dry firm.

Topography: flat to slightly rolling

40 Acres:

DRAIN

Type: **Acres Cut: REGULAR AUCTION SALE** 40.00

Total: 40.00

Harvest Specifications

Access

Sale is located along the snowmobile trail, east of Jones Town Hall Rd. in Section 11 of Jones Township. Coordinates: -95.090, 47.470

Cutting and Skidding

Small portion of sale is a first-entry thin in red pine (4 acres) removing approximately 1/3 of the total volume. The rest of the sale consists of a clearcut w/reserves in aspen and balsam fir.

Harvest and Reserves

Blue paint boundary. Reserve all white pine, elm, oak species, dead, den trees, and non-hazardous snags.

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Landings, Access Roads, and Skid Trails

Sale is located along the snowmobile trail. Do not plow trail bare. Existing forest roads and old landings are present. Use any preexisting skid trails and landings.

Site, Soil, and Water Protection

There are numerous small wet areas inside, adjacent to and between harvest areas. Frozen operations preferred, dry firm acceptable, especially in the red pine and aspen along ridge tops.

Slash Disposal

Scatter slash.

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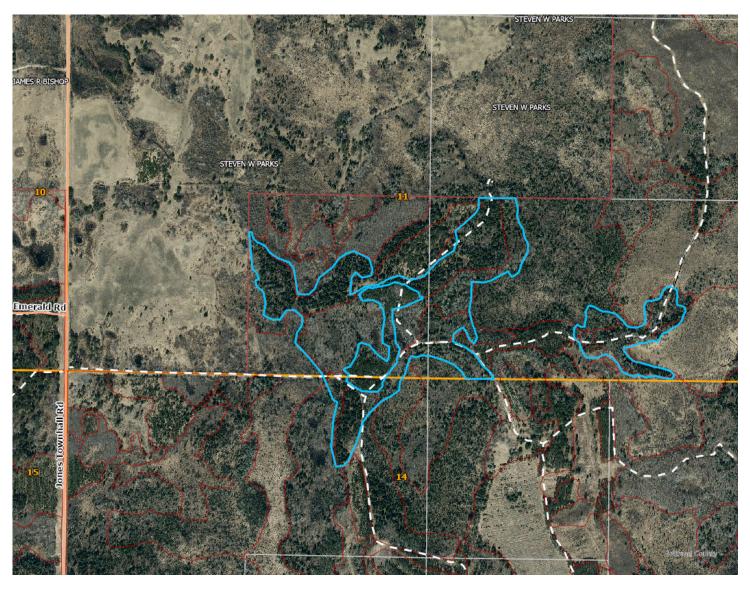
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Expiration Date: 04/10/2027

Site Map:



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

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Hammer	Head						
Description:								
RE Code	Sec.	Twp.	Rge.	School	City/Twp		Subd	
200012100	11	146	35	31	Jones		SE 1/4 of SW 1/4	
200012400	11	146	35	31	Jones		SE 1/4 of SE 1/4	
200012400	11	146	35	31	Jones		SE 1/4 of SW 1/4	
Block:	1							
Stand Details								
Section Townshi	p Ran	ge Ti	imber Type	Acres	Stand Age	NPC	Harv Meth Desc	
11 146	35	5	52	4	38	FDc24	First Thin	
*NPC	FDc24 -	Central	Rich Dry Pi	ne Woodla	and			
No Basal Data								
Current Site Conditions	Current CTYPE is red pine, with SI 82, and overall BA of 180 sq.ft./ac. with a large component of aspen and balsam fir.							
Timber Objectives	Stand is 39 year-old planted red pine stand. Silvicultural objective is a first-entry thinning, removing approximately 1/3 of the total volume.							
Wetlands	Small, seasonal wetlands around pine thinning are painted out with blue paint. No operations within these areas.							
Soil Types	Epoufette sandy loam							
Environmental Impact	Harvest will occur under firm or frozen conditions to minimize impact.							
Common Animals	The bur oak is being reserved as mast production for wildlife.							
Visual Sensitivity	None							
Natural Heritage	Database was checked and no resources found.							
Cultural Resources	Database was checked and no resources found.							
Block:	2							
Stand Details								
Section Townshi	p Ran	ge Ti	imber Type	Acres	Stand Age	NPC	Harv Meth Desc	
11 146	35	5	12	25	69	FDc24	Clear Cut w/Reserves	
*NPC	FDc24 -	Central	Rich Dry Pi	ne Woodla	and			
No Basal Data								
Current Site Conditions	Current CTYPE is balsam fir, with SI 55, and overall BA of 125 sq.ft./ac.							
Timber Objectives	Stand is 75 year-old balsam fir with minor components of aspen and ash. This stand is very old and decadent, with a lot of dead and dying balsam fir, and almost all the jack pine present is dead and laying on the ground. Silvicultural objective is to clearcut the site and replant with red or white pine.							
Regeneration	White Pi	ne will b	e planted to	ensure p	rompt regene	ration.		
Wetlands	No wetla	inds pres	sent within I	olock. Stai	nd is on a sma	all ridge, slo	oping down toward swamp on each	
Soil Types	Menahga loamy sand							

 $^{^{\}star}$ Cited from: MNDNR (2003). Field Guide to the Native Plant Communities of Minnesota: the Laurentian Mixed Forest Province. Ecological Land Classification asdfasdf

STAND HARVEST PRESCRIPTIONS

	יואוו שוואו	V L O I	INLOCK	11 110140				
Harvest will occur under firm or frozen conditions to minimize impact.								
The bur oak is	The bur oak is being reserved as mast production for wildlife.							
None								
Database was	s checked and n	o resourc	es found.					
Database was	s checked and n	o resourc	es found.					
3								
ip Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc			
35	62	11	75	FDc24	Clear Cut w/Reserves			
FDc24 - Central Rich Dry Pine Woodland								
Current CTYPE is aspen, with SI 67, and overall BA of 125 sq.ft./ac.								
Stand consists of two very old aspen stands with origin years 1939 and 1946, for a combined average age of approximately 82 years old. Stands are extremely decadent in areas with very large aspen covered in cankers. Stand is low density and many aspen have fallen down, with balsam fir and ash coming up in the understory. Silvicultural objective is to clearcut these, far beyond rotation age, stands and regenerate toward a mixed aspen stand going forward.								
Aspen regeneration will be primary, with some seeding from reserve species and some stump sprouting to add diversity.								
No wetlands present within block. Stand is on a small ridge, sloping down toward swamp on each side. Some portions of aspen stand are in the very low, floodplain type area with mucky soils.								
Menahga loamy sand. Seelyeville muck.								
Harvest will occur under firm or frozen conditions to minimize impact.								
The bur oak is being reserved as mast production for wildlife.								
None								
None								
	s checked and n	o resourc	es found.					
	The bur oak is None Database was Database was The bur oak is None Database was Range 35 FDc24 - Centr Current CTYF Stand consists average age of large aspen of balsam fir and beyond rotation Aspen regenes sprouting to a No wetlands points ide. Some points ide.	The bur oak is being reserved None Database was checked and not Database was checked and not The bur oak is being reserved None Database was checked and not The bur oak is being reserved Database was checked and not The bur oak is being reserved The bur oak is bur oak is being reserved The bur oak is bur	Harvest will occur under firm or frozen of the bur oak is being reserved as mast None Database was checked and no resource Database was checked and no resource 3 IP Range Timber Type Acres 35 62 11 FDc24 - Central Rich Dry Pine Woodlar Current CTYPE is aspen, with SI 67, and Stand consists of two very old aspen st average age of approximately 82 years large aspen covered in cankers. Stand balsam fir and ash coming up in the unbeyond rotation age, stands and regendaspen regeneration will be primary, wit sprouting to add diversity. No wetlands present within block. Stanside. Some portions of aspen stand are Menahga loamy sand. Seelyeville mucles as the surface of the sur	Harvest will occur under firm or frozen conditions to a The bur oak is being reserved as mast production for None Database was checked and no resources found. Database was checked and no resources found. 3 IP Range Timber Type Acres Stand Age 35 62 11 75 FDc24 - Central Rich Dry Pine Woodland Current CTYPE is aspen, with SI 67, and overall BA Stand consists of two very old aspen stands with origaverage age of approximately 82 years old. Stands a large aspen covered in cankers. Stand is low density balsam fir and ash coming up in the understory. Silvibeyond rotation age, stands and regenerate toward a Aspen regeneration will be primary, with some seedi sprouting to add diversity. No wetlands present within block. Stand is on a sma side. Some portions of aspen stand are in the very low Menahga loamy sand. Seelyeville muck. Harvest will occur under firm or frozen conditions to a sma side.	The bur oak is being reserved as mast production for wildlife. None Database was checked and no resources found. Database was checked and no resources found. 3 IP Range Timber Type Acres Stand Age NPC 35 62 11 75 FDc24 FDc24 - Central Rich Dry Pine Woodland Current CTYPE is aspen, with SI 67, and overall BA of 125 sq.ft. Stand consists of two very old aspen stands with origin years 19 average age of approximately 82 years old. Stands are extremel large aspen covered in cankers. Stand is low density and many abalsam fir and ash coming up in the understory. Silvicultural obje beyond rotation age, stands and regenerate toward a mixed asp. Aspen regeneration will be primary, with some seeding from resesprouting to add diversity. No wetlands present within block. Stand is on a small ridge, slop side. Some portions of aspen stand are in the very low, floodplai Menahga loamy sand. Seelyeville muck. Harvest will occur under firm or frozen conditions to minimize im			

STAND HARVEST PRESCRIPTIONS

Harvest Methods

Clear Cut w/Reserves

retain marked or designated trees or clumps (Clear Cut)

First Thin

Initial thinning in young Pine (Thinning)