

Beltrami County NRM Timber Appraisal

225010

Page: 1 of 3

Appraised By: Corey Campbell	Sale Type: REGULAR AUCTION SALE	Appraisal Number: Aure Rd Aspen
Appraisal Date: 11/08/2024	Auction Date: 04/03/2025	Permit Number: 225010
	Access: Public Access	Expiration Date: 05/01/2028

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>
090007000	6	148	35	31	Buzzle	NW 1/4 of NE 1/4
090007200	5	148	35	31	Buzzle	NE 1/4 of NW 1/4
090007900	5	148	35	31	Buzzle	SE 1/4 of 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	615	Cords	\$25.00	\$15,375.00		
Bid	Red Pine Pulp & Bolts	60	Cords	\$29.00	\$1,740.00	Includes 1 cord of jack pine	70
Bid	White Spruce pulp	50	Cords	\$15.00	\$750.00		
Non-Bid	Balsam Pulp & Bolts	175	Cords	\$10.00	\$1,750.00		
Non-Bid	Ash pulp	30	Cords	\$10.00	\$300.00		

\$19,915.00 **Subtotal**

Total Cords: 930 **Total MBF:** 0 \$19,915.00 **Total**

\$2,987.25 **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: Ash pulp, Aspen pulp, Balsam Pulp & Bolts, Red Pine Pulp & Bolts, White Spruce pulp

Species SAE:

Operability:	Frozen only	Soil Type:	loam and muck
Topography:	flat to slightly rolling, with a side-hill		
Acres:	39.4		

DRAIN

Type:	Acres Cut:
REGULAR AUCTION SALE	39.40

Total: 39.40

Harvest Specifications

<u>Access</u>
Sale is located in Section 6 of Buzzle Township, off of Aure Rd / CSAH 24 near the Clearwater River. Coordinates: -95.171, 47.673

<u>Cutting and Skidding</u>
Aspen clearcut with reserves. Small area of old spruce plantation, removing 1/3 of volume in spruce, cut all aspen and balsam fir. Blocks #2 and #3 have more hills in them, skid on contour.

<u>Harvest and Reserves</u>
Blue paint boundary. Reserve all white pine, red pine, oak species, dead, den, and non-hazardous snags (in aspen blocks). Red pine plantation blocks cut only marked pine.

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Landings, Access Roads, and Skid Trails

County forest road and snowmobile trail runs through portions of sale. Block #2 on the west side of the Clearwater River will require constructing an approach (contact County Highway department for permit), or securing written permission to use private approach along the west edge of sale. See map for details. Use any preexisting skid trails and landings.

Site, Soil, and Water Protection

Each block contains portions of the Clearwater River trout stream RMZ. Sale design and paint line setup to minimize impact. Reserve any and all elm, cedar, and non-merchantable species within these areas (see map). Soils are subject to rutting if operated on when wet, stop activity if conditions may lead to rutting, compaction or displacement of soils. Keep BMP applications current to prevent erosion.

Slash Disposal

Scatter slash.

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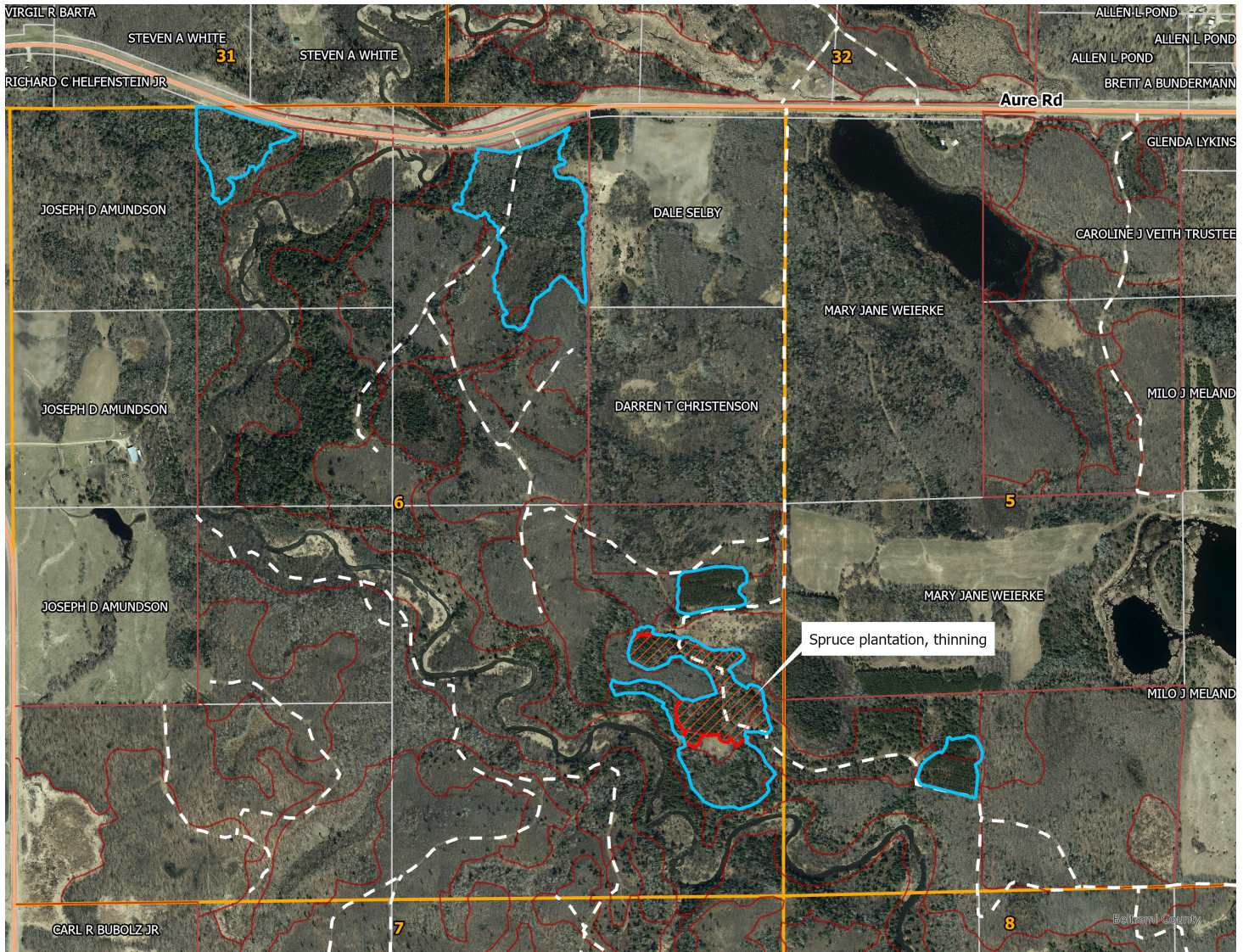
Page: 3 of 3

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REGULAR AUCTION SALE
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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:		Aure Rd Aspen					
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
090007000	6	148	35	31	Buzzle	NW 1/4 of NE 1/4	
090007200	5	148	35	31	Buzzle	NE 1/4 of NW 1/4	
090007900	5	148	35	31	Buzzle	SE 1/4 of SE 1/4	
Block:		1					
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
6	148	35	12	15	53	MHn44	Clear Cut w/Reserves
*NPC		MHn44 - Northern Wet-Mesic Boreal Hardwood-Conifer Forest					
No Basal Data							
Current Site Conditions		Current CTYPE is aspen, with SI 78, and overall BA of 140 sq.ft./ac. Aspen stand with a large component of balsam fir and a small ash swale within the stand.					
Timber Objectives		Stand is a 54 year-old aspen. Silvicultural objective is a clearcut with reserves to harvest aspen and regenerate the site through root suckering.					
Regeneration		Aspen root suckering will regenerate the stand.					
Riparian		RMZ along Clearwater River, designated trout stream, is present along the west edge of sale. Requirement is 165ft average width. Measured with laser, GIS, and tape measure with the closest point being 180 feet, most of the boundary is set at 200+ feet from stream edge with a dense buffer of balsam fir, birch, alder, and cedar reserved.					
Wetlands		No wetlands present within the sale. South end of block has ash swale that will be strip thinned to preserve hydrology.					
Soil Types		Sumoi loam - These soils have moderately slow to slow saturated hydraulic conductivity.					
Environmental Impact		Harvest will occur under frozen conditions given the soil type and topography.					
Visual Sensitivity		Moderate - Landing placement will be back off the main road.					
Natural Heritage		Database was checked and no resources found.					
Cultural Resources		Database was checked and no resources found.					
Block:		2					
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
5	148	35	12	5	66	MHn44	Clear Cut w/Reserves
*NPC		MHn44 - Northern Wet-Mesic Boreal Hardwood-Conifer Forest					
No Basal Data							
Current Site Conditions		Current CTYPE is aspen, with SI 62, and overall BA of 130 sq.ft./ac. aspen stand with a large component of balsam fir, and lesser components of white pine and birch.					
Timber Objectives		Stand is a 67 year-old aspen. Silvicultural objective is a clearcut with reserves to harvest aspen and regenerate the site through root suckering.					
Regeneration		Aspen root suckering will regenerate the stand.					

STAND HARVEST PRESCRIPTIONS

Riparian	RMZ along Clearwater River, designated trout stream, is present along the west edge of sale. Requirement is 165ft average width. Measured with laser, GIS, and tape measure with the closest point being 180 feet, most of the boundary is set at 300-500 feet from stream edge with a dense buffer of balsam fir, birch, alder, and cedar reserved.
Wetlands	No wetlands present within the sale. South end of sale drops down to low lying drainage, minimize scarification on slope.
Soil Types	Cathro muck - very deep, very poorly drained organic soils moderately deep to loamy materials.
Environmental Impact	Harvest will occur under frozen conditions given the soil type and topography.
Visual Sensitivity	Moderate - Landing placement will be back off the main road.
Natural Heritage	Database was checked and no resources found.
Cultural Resources	Database was checked and no resources found.
Block:	3
Stand Details	

Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
5	148	35	12	14	62	MHn44	Clear Cut w/Reserves
*NPC	MHn44 - Northern Wet-Mesic Boreal Hardwood-Conifer Forest						

No Basal Data

Current Site Conditions	Current CTYPE is aspen, with SI 60, and overall BA of 140 sq.ft./ac. aspen stand with a large component of white spruce, which is probably an old plantation.
Timber Objectives	Stand is a 63 year-old aspen. Silvicultural objective is a clearcut with reserves in high density spruce areas to harvest aspen and regenerate the site through root suckering.
Regeneration	Aspen root suckering will regenerate the stand.
Riparian	RMZ along Clearwater River, designated trout stream, is present along the west edge of sale. Sale boundary has been placed well outside of the RMZ.
Wetlands	No wetlands within sale.
Soil Types	Sumoi loam - These soils have moderately slow to slow saturated hydraulic conductivity.
Environmental Impact	Harvest will occur under frozen conditions given the soil type and topography.
Visual Sensitivity	None
Natural Heritage	Database was checked and no resources found.
Cultural Resources	Database was checked and no resources found.
Block:	4
Stand Details	

Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
			52		55	FDc34	Intermediate Thin
*NPC	FDc34 - Central Dry-Mesic Pine-Hardwood Forest						

No Basal Data

Current Site Conditions	Current CTYPE is red pine, with SI 69, and overall BA of 160 sq.ft./ac. Stand is planted red pine that has been thinned once already approximately 12 years ago.
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STAND HARVEST PRESCRIPTIONS

Timber Objectives	Stand is a 55 year-old red pine. Silvicultural objective is an intermediate thinning, removing roughly 1/3 of the volume to a target average basal area of 90. Stand was thinned once already and according to stock chart should be thinned again to encourage diameter and height growth.
Wetlands	No wetlands present within the sale.
Soil Types	Sumoi loam - These soils have moderately slow to slow saturated hydraulic conductivity.
Environmental Impact	Harvest will occur under frozen conditions given the soil type and topography.
Visual Sensitivity	None
Natural Heritage	Database was checked and no resources found.
Cultural Resources	Database was checked and no resources found.
Block:	5
Stand Details	

Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth	Desc
			52		55	FDc34	Intermediate	Thin
*NPC	FDc34 - Central Dry-Mesic Pine-Hardwood Forest							

No Basal Data

Current Site Conditions	Current CTYPE is red pine, with SI 63, and overall BA of 140 sq.ft./ac. Stand is planted red pine that has been thinned once already approximately 12 years ago.
Timber Objectives	Stand is a 64 year-old red pine. Silvicultural objective is an intermediate thinning, removing roughly 1/3 of the volume to a target average basal area of 90. Stand was thinned once already and according to stock chart should be thinned again to encourage diameter and height growth.
Wetlands	No wetlands present within the sale.
Soil Types	Sumoi loam - These soils have moderately slow to slow saturated hydraulic conductivity.
Environmental Impact	Harvest will occur under frozen conditions given the soil type and topography.
Visual Sensitivity	None
Natural Heritage	Database was checked and no resources found.
Cultural Resources	Database was checked and no resources found.

STAND HARVEST PRESCRIPTIONS

Harvest Methods

Clear Cut w/Reserves

retain marked or designated trees or clumps (Clear Cut)

Intermediate Thin

Thin as designated (Thinning)