

Beltrami County NRM Timber Appraisal

2240 47

Appraised By: Corey Campbell	Sale Type: REGULAR AUCTION SALE	Appraisal Number: Balsam Ridge Tamarack Reoffer
Appraisal Date: 02/25/2021	Auction Date: 12/05/2024	Permit Number: 224047
	Access: Public Access	Expiration Date: 05/01/2027

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>
	13	146	35	31	Jones	NE1/4

<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>
Area Est. Bid	Tamarack pulp	750	Cords	\$2.00	\$1,500.00	Includes live & dead. Very little dead Tam at time of cruise in 2021	
AE Non-Bid	Black Spruce	75	Cords	\$10.00	\$750.00		
AE Non-Bid	Aspen pulp	50	Cords	\$25.00	\$1,250.00		
AE Non-Bid	Birch Pulp & Bolts	25	Cords	\$10.00	\$250.00		
AE Non-Bid	Balsam pulp	25	Cords	\$10.00	\$250.00		

	\$4,000.00	Subtotal
Total Cords: 925 Total MBF: 0	\$4,000.00	Total
	\$600.00	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:

Species SAE: Aspen pulp, Balsam pulp, Birch Pulp & Bolts, Black Spruce, Tamarack pulp

Operability:	Frozen ground only	Soil Type:	Organic
Topography:	flat		
Acres:	66		

DRAIN

Type: REGULAR AUCTION SALE	Acres Cut: 66.00
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Total: 66.00

Harvest Specifications

Access
Sale is located in section 13 of Jones Township, with the access road/trail beginning in section 7 of Grant Valley Township. This swamp sale may require advance work to freeze access and trails and/or the use of tracked equipment or equipment with oversize tires or duals.
Cutting and Skidding
Harvest all merchantable species on appraisal, clear cut with reserves. Site will be aerial seeded with tamarack and black spruce seed.
Harvest and Reserves
Blue paint boundary. MN DNR State Land on north and east sides of sale. Reserve any white pine, dead, den trees, and non-hazardous snags.
Landings, Access Roads, and Skid Trails
Access road/trail begins at Ottertail Power Utility power line on Balsam Ridge Rd, and continues 1.5 miles southwest to sale boundary. Trail will most likely need to be brushed or cleared to access sale.

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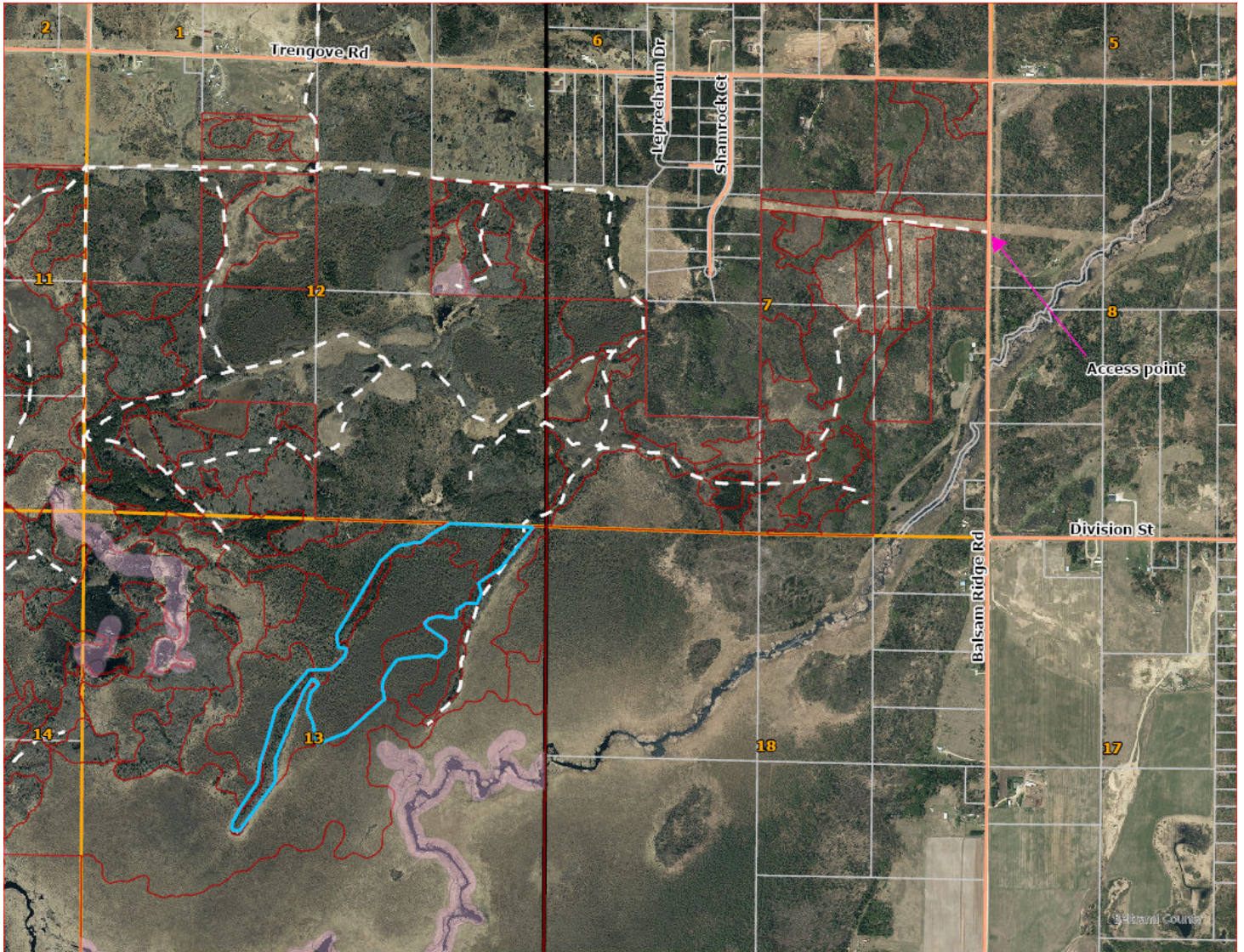
Slash Disposal
Scatter slash.

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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:	Balsam Ridge Tamarack Reoffer						
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
	13	146	35	31	Jones	NE1/4	
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
13	146	35	12	66	80	FDc34	Clear Cut
13	146	35	62	66	61	FDc34	Clear Cut
13	146	35	72	66	89	FPn82	Clear Cut
*NPC	FDc34 - Central Dry-Mesic Pine-Hardwood Forest, FPn82 - Northern Rich Tamarack Swamp						
No Basal Data							
Current Site Conditions	Current CTYPE is tamarack, with SI 26, and overall BA 100 of sq.ft./ac.						
Insect/Disease	Most of the tamarack was alive when this sale was first cruised and setup (2020). High potential for larch beetle infestation.						
Timber Objectives	Stand is 92 year-old tamarack and black spruce. The silvicultural objective is to clear cut all species within sale boundary, then aerial seed the site with a mixture of tamarack and black spruce seed. This large, aging stand of lowland conifer is highly susceptible to larch beetle infestation, is over rotation age, and site would benefit from regenerating a younger cohort.						
Regeneration	Aerial seeding of Tamarack &/or Black Spruce						
Wetlands	Wetland Harvest - the entire harvest block is a forested wetland, minimize scarification throughout, frozen and/or snow cover is necessary.						
Soil Types	Mooselake mucky peat						
Environmental Impact	Harvest will occur under frozen conditions to minimize impact.						
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

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Harvest Methods

Clear Cut

Harvest all merchantable trees (Clear Cut)