

Beltrami County NRM Timber Appraisal

2240 43

Appraised By: Nick Ronning Appraisal Date: 04/18/2024	Sale Type: SEALED BID-REGULAR Auction Date: 12/03/2024 Access: Private Access	Appraisal Number: Brooks RD North Permit Number: 224043 Expiration Date: 05/01/2026
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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>
	1	149	30	32	Summit	W 1/2
	2	149	30	32	Summit	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	2,300	Cords	\$25.00	\$57,500.00	7% Balm	
Non-Bid	Ash pulp	200	Cords	\$10.00	\$2,000.00		
Non-Bid	Birch pulp	50	Cords	\$10.00	\$500.00	Includes all incidental hardwood	
Non-Bid	Balsam Pulp & Bolts	25	Cords	\$10.00	\$250.00	Includes Spruce	
					\$60,250.00	Subtotal	
Total Cords: 2,575 Total MBF: 0					\$60,250.00	Total	
					\$9,037.50	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, Birch pulp

Species SAE:

Operability: Frozen ground only.	Soil Type: fine sandy loam, muck, loam
Topography: flat	
Acres: 93	

DRAIN

Type: SEALED BID-REGULAR	Acres Cut: 93.00
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Total: 93.00

Harvest Specifications

Access
<ul style="list-style-type: none"> • Winter Only – All operations limited to winter, frozen ground or sufficient snow cover to protect soil surface. • Latitude/Longitude – Primary access location is Lat. 47.746N, by Long. 94.438W.

Cutting and Skidding
<ul style="list-style-type: none"> • Stumps – Average stump heights below 12" and as low as possible. • Logging Damage - Logging damage is injury to 30% or more of the crown; or bark damage exposing cambium of 50 sq.in. or more; or damage causing lean of more than 5 degrees from original. Damage to reserve trees, as identified on the Appraisal form, may be subject to a \$25/tree penalty

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Harvest and Reserves

- Blue Paint Boundary + Fences and roads
- Cut Trees: Aspen, Birch > 8" DBH, All live BG. All Ash >8" DBH, All mature Balsam and Spruce
- Leave Trees: All painted trees, Cedar, Snags, Oak, Pine, Elm. Basswood Optional.
- Den Trees – Reserve trees with obvious den and cavity usage, even if not marked to leave.

Landings, Access Roads, and Skid Trails

- General Road/trail BMP - A combination of road drainage BMPs may be applicable, which combined with slash trampling to close the temporary roads to vehicles will provide erosion protection.
- Landings Approved – Landing locations must be approved in advance by the Forester. Sale plan includes 4 landings
- Roads stay open - Sale is mostly accessible via existing road system. Roads to remain open and in pre-existing or better condition with BMP drainage after use. Any temporary trail or spur will be closed.

Other Remarks

Logger is welcome to cut all ash, must cut all ash > 8" DBH
Oversized aspen... no more than two per acre may be left

Permits Required

- Written Permission to Bid - Written signed permission from a land owner with viable access must be provided to bid on this sale.

Site, Soil, and Water Protection

- Rutting - Contractor must be prepared to shut down equipment operations or hauling if thawing or wet conditions create the potential for rutting. Failure to comply with this requirement may be subject to a \$100 penalty per occurrence.
- Small wetlands –there are numerous small wet areas inside, adjacent to and between harvest areas. Frozen operations preferred, dry firm acceptable, limited use of mats or corduroy must be approved by Forester.
- Soil Protection - 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

Lop and scatter slash to within 2 feet of ground. Scattered Slash Piles (20'x20'x10') can be made for wildlife

Tree Size, Marketing, and Special Conditions

- 4 inch TDIB – Utilize all material from butt to a 4" top diameter inside bark.
- No excess culling – Cutting long Butts or oversize tops to produce higher quality product must be done to retain marketable lengths of lower value pulp or firewood. Culling which leaves excessive amounts of wood in unmarketable lengths may be subject to a \$10.00 per piece penalty, unless the material is loaded and hauled off site based upon an estimated cord volume.
- Private Wood – There is a strip of private wood along part of the sale boundary that is NOT part of this sale. If the landowner sells this wood to you, to comply with Chain of Custody requirements of our certifying organization, the private wood must not be mixed or hauled with the County wood.

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Brooks RD North						
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
	1	149	30	32	Summit	W 1/2	
	2	149	30	32	Summit	SE 1/4	
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
1	149	30	1	63	100	WFn55	Clear Cut w/Reserves
2	149	30	1	30	100	WFn55	Clear Cut w/Reserves
1	149	30	12	63	70	MHn44	Clear Cut w/Reserves
2	149	30	12	30	70	MHn44	Clear Cut w/Reserves
1	149	30	14	63	70	MHn44	Clear Cut w/Reserves
2	149	30	14	30	70	MHn44	Clear Cut w/Reserves
*NPC	MHn44 - Northern Wet-Mesic Boreal Hardwood-Conifer Forest, WFn55 - Northern Wet Ash Swamp						
No Basal Data							
Current Site Conditions	Current CTYPE is Ash, with SI 43, and overall BA of 100 sq.ft./ac. Current CTYPE is Aspen, with SI 75, and overall BA of 100 sq.ft./ac.						
Insect/Disease	EAB - harvest to reduce potential of EAB infestation in Ash.						
Timber Objectives	The goal is to harvest all mature timber and as much ash as possible before Emerald Ash Borer reaches this area. This winter harvest will promote full regeneration of Aspen as much as possible. Other species will regenerate from seed and sprouts.						
Regeneration	All cut species should regenerate naturally. Aspen regeneration will be primary, with some seeding from reserve species and some stump sprouting to add diversity						
Riparian	Filter Strips from adjacent wetlands must be protected from scarification Riparian harvest in wetland forest - minimize scarification throughout						
Wetlands	type 7 - wooded swamp (hardwood & conifer)						
Soil Types	Fine Sandy Loam, Loam, Muck						
Environmental Impact	Harvest will occur under frozen conditions to minimize impact.						
Wildlife	All dead and den trees and snags will be reserved unless they pose a safety hazard. Project has specific design to favor deer, grouse, and other early successional forest species. Project spacing of habitat elements is beneficial to wildlife. Project timing is beneficial to wildlife Reserve clumps - Reserve clumps are maintained at the edge of the stand for habitat connectivity & to help them be wind firm The balsam fir and other understory conifer are being reserved for cover. The reserved species will serve as a mast production for wildlife. Scattered Slash Piles for wildlife are encouraged.						
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.						

* Cited from: MNDNR (2003). Field Guide to the Native Plant Communities of Minnesota: the Laurentian Mixed Forest Province. Ecological Land Classification asdfasdf

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Harvest Methods

Clear Cut w/Reserves

retain marked or designated trees or clumps (Clear Cut)