

Beltrami County NRM Timber Appraisal

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Appraised By: Nick Ronning	Sale Type: SEALED BID-REGULAR	Appraisal Number: Sandy LK Aspen
Appraisal Date: 10/22/2025	Auction Date: 12/02/2025	Permit Number: 225052
	Access: Public Access	Expiration Date: 05/02/2028

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>
	19	149	32	32	Hagali	W1/2 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>
Bid	Aspen pulp	1,100	Cords	\$25.00	\$27,500.00	Includes Balm	
Non-Bid	Ash pulp	45	Cords	\$10.00	\$450.00		
Non-Bid	Balsam pulp	10	Cords	\$10.00	\$100.00	Includes White Spruce	
Non-Bid	Mixed Hardwoods	50	Cords	\$10.00	\$500.00	Birch, Maple, Basswood	
					\$28,550.00	Subtotal	
Total Cords: 1,205 Total MBF: 0					\$28,550.00	Total	
					\$4,282.50	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, Mixed Hardwoods

Species SAE:

Operability:	frozen ground only for regeneration and soil protection	Soil Type:	fine sandy loam
Topography:	flat to slightly rolling		
Acres:	48		

DRAIN

Type:	Acres Cut:
SEALED BID-REGULAR	48.00

Total: 48.00

Harvest Specifications

<u>Access</u>
• Latitude/Longitude – Primary access location is Lat.47.707 N, by Long.94.94.793 W.
• Winter Only – All operations limited to winter, frozen ground or sufficient snow cover to protect soil surface.
<u>Cutting and Skidding</u>
• 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
• Reserve tree cutting penalty - Cutting any marked or designated leave tree without pre-approval by the Forester may be subject to a \$50.00/tree penalty. On area estimate sales, reserve trees approved for cutting by the Forester must be measured or field scaled for billing at contract rates.
• Stay within Boundaries and do not cut corners - Access roads, skid trails and landing areas proposed for use outside the harvest boundary must be approved prior to use. Failure to comply with these requirements may be subject to a \$100 penalty per incident.
• Stumps – Average stump heights below 12" and as low as possible.

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Harvest and Reserves

- Boundary Blue Paint - leave all boundary trees and other blue painted trees
- Leave Trees: All Oak and Pine, small birch spruce fir, blue painted trees, Scattered hardwoods in the aspen
- Cut Trees: Aspen, Balm, All Ash > 4"dbh, Spruce and Fir > 3 sticks
- Cut Trees: Must cut all mature maple Birch and Basswood in Hardwood type, except den trees
- 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 2 landings
- Road Closure slash - Logger will place a LARGE slash berm in the haul road approximately 700 feet north of Sandy Lake Trail where it drops to low ground. Forester will flag location during pre-work meeting.

Other Remarks

Jackson Lake Court is a Private Road

There is a monumented survey corner in the northwest part of the harvest area. Any damage to the monument shall be the financial responsibility of the logger. The monument are has been marked with blue paint and ribbon.

Site, Soil, and Water Protection

- 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.
- 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.

Slash Disposal

- Slash Scattered -Lop and Scatter slash to within 2' of ground. Scattered slash piles 20'x20'x10') for wildlife are encouraged.

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.

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Site Map:



Appraisal examined and approved by

[Signature]

Forester

10/29/25

Date

Appraisal examined and approved by

[Signature]

Land Department

10/29/25

Date

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Sandy LK Aspen						
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
	19	149	32	32	Hagali	W1/2 NE1/4	
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
19	149	32	12	48	45	MHn35	Clear Cut w/Reserves
19	149	32	13	48	84	MHn44	Clear Cut w/Reserves
*NPC	MHn35 - Northern Mesic Hardwood Forest, MHn44 - Northern Wet-Mesic Boreal Hardwood-Conifer Forest						
No Basal Data							
Current Site Conditions	Current CTYPE is Aspen, with SI 70, and overall BA of 115 sq.ft./ac. Stand is aged 45 years. Cruise consisted of 19 plots that averaged 30 cords/ac. 93% of volume was aspen, so actual yield of other species could vary widely from appraised volume. Average Diameter of aspen at cruise plots ranged from 6" DBH in a few locations to 10" DBH at half the cruise plots. Average height 5 sticks. 9 acres of sale area is over-mature birch type with low stocking and low quality. Approx cd/ac is 12. Some natural regeneration is starting.						
Timber Objectives	Maximize aspen reproduction in the aspen coverytype. Capture volume and open canopy in hardwood type before further losses occur and create regeneration from seed sources and stump sprouts. Protect Advanced Regeneration where possible. Cut all ash > 4" DBH throughout sale area to minimize EAB risk and regenerate other species. Clear Cut with Reserves – Even-aged regeneration with some reserves for stand structure, habitat or natural seeding of some species. The residual oak and pine will supply vertical structure as well as enhance the diversity of the future stand.						
Regeneration	Advanced regeneration is established, released by this cut. 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						
Wetlands	type 7 - wooded swamp (hardwood & conifer)						
Soil Types	Beltrami Fine Sandy Loam Shooker Loam Eckvoll Loamy Fine Sand Rosy Sandy Loam Morph Fine Sandy Loam Meehan Loamy Sand						
Wildlife	All dead and den trees and snags will be reserved unless they pose a safety hazard. Project has specific design to favor early successional species, especially grouse, deer, woodcock, snowshoe hare. Project spacing of habitat elements is beneficial to wildlife. Project timing is beneficial to wildlife The balsam fir and other understory conifer are being reserved for cover. The reserved species will serve as a mast production for wildlife. Large Slash Piles (20'x20'x10') are encouraged.						
Visual Sensitivity	There are no visual concerns for this harvest area						

STAND HARVEST PRESCRIPTIONS

Natural Heritage	Database was checked. Site is located near the MN DNR's Lindgren Lake MBS site. Lindgren Lake MBS site has conservation status rank is S4, high value but not rare. Sale area has previously been managed. Timber Sale design will protect biodiversity by keeping the forest covertypes as they currently are, just resetting the successional stage to ensure no drastic changes. Harvest will occur under frozen conditions to prevent soil / wetlands damage. No other Natural Heritage Features were identified.
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)

Sandy Lake Aspen Timber Sale

Section 19 T149 R32 Hagali Township

