



TIMBER APPRAISAL REPORT

Permit Holder	Sale Type	RAN	Permit Number
	Regular Auction	253	B016230
Permit Date		Expiration Date	
02/07/2025		05/31/2028	

Minnesota DNR is Certified to the Sustainable Forestry Initiative® and/or the Forest Stewardship Council®.
 For information on our certificates go to mndnr.gov/forestry/certification/certificates.html

Appraisal includes one (1) cutting block:

Block #	Legal Description	Sec-Twp-Rng	County
1	NWSW,SESW,SWSW	35-58-8W	38: Lake

Species/Products/Price (all quantities are estimates):

Bid	SOAV	Species	Product	Quantity	UOM	Appraised Price	Appraised Value	Bid %	Bid Price	Bid Value
+		Norway Pine	Pulp & Bolts	543.00	Cd	18.00	9,774.00		18.00	9,774.00
		Aspen Species	Pulp & Bolts	7.00	Cd	14.03	98.21		14.03	98.21

Sale Acres	42.0	Advance Payment	1,480.83	Total Appraised Value	9,872.21	Total Bid Value	0.00
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Top Diameter Utilization: Unless otherwise specified, each species product must be utilized down to a minimum merchantable top diameter inside bark (dib) as follows: woodsrun cordwood and pulpwood to 4 inches, except spruce to 3 inches; bolts to 6 inches; sawtimber to 10 inches; and veneer to 14 inches.

Optional Timber (may be purchased with an Added Timber Agreement):

SOAV	Species	Product	Quantity	UOM	Appraised Price	Appraised Value
	Any Listed Species	Biomass	228.00	Tons	0.65	148.20

Total Appraised Cords per Acre: 13.1

Mixed Species Description:

Aspen Species Pulp & Bolts includes Trembling Aspen 90%; Balm of Gilead 10%.

Mixed Product Description:

Norway Pine Pulp & Bolts includes Pulpwood 40%; Bolts 60%.

Aspen Species Pulp & Bolts includes Pulpwood 41%; Bolts 59%.

HARVEST SPECIFICATIONS

Cutting and Felling:

- Harvest norway pine and aspen in strips orientated in an east/west direction to a width of 16 feet, leaving 32 feet between harvest strips. Within leave strips, thin to an average residual spacing of norway pine to 18 ft by 18 ft. Thinning to favor harvest of poor formed trees and to meet residual spacing of norway pine.
- Reserve all non-hazardous snags.
- Submerchantable (1"-4" DBH) birch, maple, and ash will need to be felled within the harvest strips for access.

Season of Operations:

- Conduct sale operations on dry or frozen soil conditions only, except with written permission from State.

TIMBER APPRAISAL REPORT - HARVEST SPECIFICATIONS (continued)

Season of Operations (continued):

- The Timber Sale Administrator (TSA) can allow or stop permit operations to minimize rutting, root damage, bark slippage, beetle infestations or wildfire risk. If excessive damage is occurring, the TSA will stop operations until site conditions improve. For pine operations the following restrictions apply, except with written permission from the State, to cut pine greater than 4 inch diameter: February 1 through April 30: Pine cut in this period must be hauled or destroyed by June 1. May 1 through August 31 : Pine cut in this period must be hauled or destroyed within 3 weeks. September 1 through January 31 : No special restrictions for pine cut in this period.

Slash Disposal:

- Lop and scatter slash evenly over the harvest site to within 3 feet of the ground.
- If biomass is purchased with an Added Timber Agreement, 20% of the tops and limbs must be left on the site or hauled back from the landing and redistributed in the general harvest area. This percentage may be adjusted up or down to meet the 1/3 retention goal if incidental breakage is more or less than 10-15%.

Site, Soil, and Water Protection:

- If site damage becomes apparent, alter or cease operations and contact State.

Landings, Roads, and Trails:

- The location and construction of all roads and landings must be pre-approved by the State.
- The Recreation trail may be used as access. DNR Forestry must be notified at least 5 working days before any sale operations take place, including clearing or access road construction. Ensure "Trucks Hauling" signs are prominently posted and maintained 200 feet beyond either side of any segment of any road or trail being temporarily used or crossed in conjunction with timber harvest operations. No logging equipment, wood piles, slash or logging debris will remain on the trail treadway and/or trail right-of-way during or after permit operations. Trail must be maintained wide enough to allow truck and ATV/snowmobile traffic to safely pass. The permittee must repair any trail damage attributable to timber harvest operations before the sale is finalized. Maintain at least 4" snow depth on all trail surfaces during sale activities while operating from Dec.1- March 31.

Sale Conditions:

- Access is across State land.
- Access crosses Public Waters. A Permit is not required if using a snow / ice bridge.
- A waters permit may not be required when using a temporary bridge that meets the specifications of Appendix H in the Forest Management Guidelines book.

Marketing and Special Conditions:

Aspen Species Pulp & Bolts: Average 10" DBH and 4 sticks
Norway Pine Pulp & Bolts: Average 10" DBH and 4 sticks

Tree sizes are averages based on field estimates, actual sizes will vary larger or smaller.

Sale is located approximately 4.75 miles north of Finland, MN on Hwy 1. Access is down the Moose Run Grant-In-Aid Trail and would require two temporary bridges for summer access.

If choosing to access from private to south on Crown Creek Rd (Private Road), permittee will need permission from several landowners for approximately 1 mile. New road must be built through approximately 700 feet of private land. The private bridge on Crown Creek Rd is unknown for load limit and may require a temporary bridge for crossing.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: -25%

Permits Required:

Water Crossing Permit

Forestry Area Office:

TIMBER APPRAISAL REPORT - HARVEST SPECIFICATIONS (continued)

Two Harbors Area Forestry Office
1568 Highway 2
Two Harbors, MN 55616
Telephone: 218-834-1420

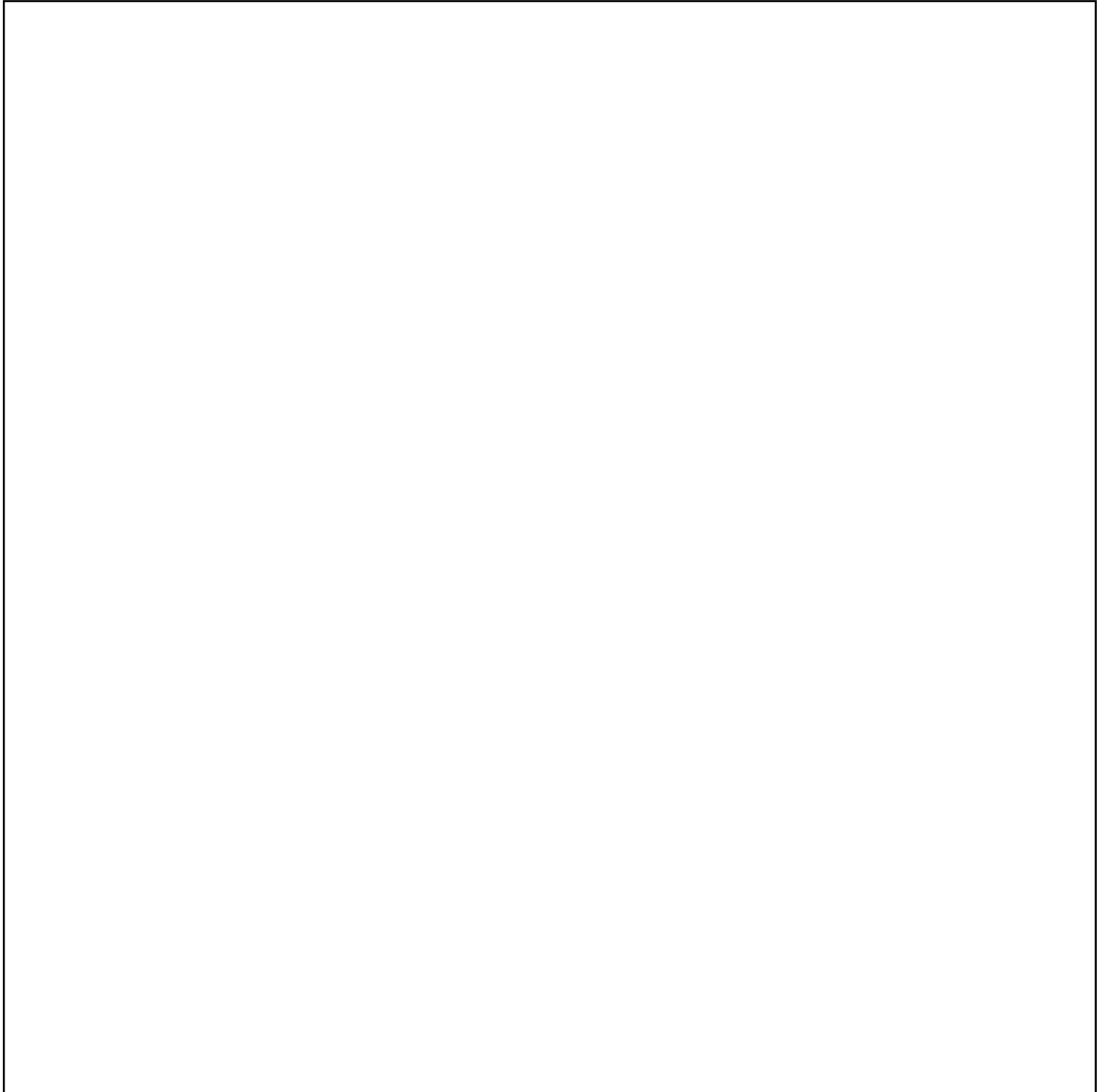
Appraiser Signature	Appraiser (Printed name) Jason Bushmaker	Appraiser ID # 01118506	Signature Date 12/03/2024
Approved By Signature	Approved By (Printed name) -	Approver ID # -	Approval Date



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GPS Location: Latitude 47 27 44, Longitude -91 19 10



(Cutting Block 22841, Snapshot Sequence Number 4)

Cutting Block Map (may not print to scale)

SOAV Eligible: No

Stand Management Information - Appraisal only includes one (1) cutting block:

Site	Harvest Prescription						
Stand	Cover Type	Plan Status	Planned	Examined	Appraised	Deferred	Altered
t05808wl350736	Non-Regen Harvest-Commercial Thin-Selective Thinning-Commercial						
t05808wl350736	NP	Adopted	42.0	42.0	42.0	0.0	0.0
Totals			42.0	42.0	42.0	0.0	0.0

Forty/Lot Information:

Twp - Range	Sec	Forty / Lot	Land Status	Acres	% Total Value
58-8W	35	NWSW	09: School	2.8	7
		SESW	09: School	7.8	19
		SWSW	09: School	31.4	74
Totals				42.0	100

Specifications included in Notice Of Sale:

(None specified)