

TIMBER APPRAISAL REPORT



Permit Holder	Sale Type	RAN	Permit Number
	Intermediate Auction	253	X019722
	Permit Date	Expiration Date	
	02/07/2025	05/31/2029	

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	SENE	8-57-10W	38: Lake

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

Bid	SOAV	Species	Product	Quantity	UOM	Appraised Price	Appraised Value	Bid %	Bid Price	Bid Value
+		Mixed Spruce	Pulp & Bolts	170.00	Cd	12.87	2,187.90		12.87	2,187.90
+		Balsam Fir	Pulp & Bolts	40.00	Cd	4.91	196.40		4.91	196.40
		Paper Birch	Pulpwood	20.00	Cd	6.50	130.00		6.50	130.00
+		Aspen Species	Pulp & Bolts	15.00	Cd	16.12	241.80		16.12	241.80

Sale Acres	13.2	Advance Payment	413.42	Total Appraised Value	2,756.10	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	200.00	Tons	0.65	130.00

Total Appraised Cords per Acre: 18.6

Mixed Species Description:

Mixed Spruce Pulp & Bolts includes White Spruce 80%; Black Spruce 20%.
 Aspen Species Pulp & Bolts includes Trembling Aspen 99%; Balm of Gilead 1%.

Mixed Product Description:

Balsam Fir Pulp & Bolts includes Pulpwood 85%; Bolts 15%.
 Mixed Spruce Pulp & Bolts includes Bolts 60%; Pulpwood 40%.
 Aspen Species Pulp & Bolts includes Pulpwood 75%; Bolts 25%.

HARVEST SPECIFICATIONS

Cutting and Felling:

- Harvest trembling aspen, Balm of Gilead, paper birch, balsam fir, and spruce.
- In RMZ reduce basal area down to 60 sq. ft/ac, harvesting trembling aspen, Balm of Gilead, paper birch, balsam fir, and spruce.
- Reserve areas indicated on map and painted blue.

Season of Operations:

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

TIMBER APPRAISAL REPORT - HARVEST SPECIFICATIONS (continued)

Slash Disposal:

- Distribute slash across the site in 20'x20' piles.
- 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 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.
- Stream crossing structures must be removed before breakup.

Sale Conditions:

- Access is across state land.
- Access crosses Public Waters. A Permit is not required if using a snow / ice bridge.
- Provisions of access and /or water crossing permits will become part of sale terms and conditions for this sale.
- Best access is across approximately 1.4 miles US Forest Service roads. If using USFS system roads, the permit holder shall obtain a road use permit from the USFS District Office before beginning sale operations. Provisions of this permit will become part of the terms and conditions for this sale.

Marketing and Special Conditions:

Aspen Species Pulp & Bolts: Average 12" DBH and 4 sticks
Balsam Fir Pulp & Bolts: Average 8" DBH and 3 sticks
Mixed Spruce Pulp & Bolts: Average 9" DBH and 4 sticks
Paper Birch Pulpwood: Average 12" DBH and 3 sticks

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

Sale is located 28.8 miles North of Two Harbors, on the Whyte state forest road. Harvest area is mostly upland but has poor drainage and a stream crossing, summer harvest unlikely. Balsam fir and white spruce are heavily defoliated due to spruce budworm. There is approximately 1-7 cds/ac of dead standing balsam fir that has been added to biomass volume, if not being utilized it may be cut and piled for access to timber. Access may include .2 miles of new construction with merchantable timber and road through a reserve area. Price adjustments apply to aspen. All other species have -35% Lake County discount applied.

Price Adjustments:

Road Construction Costs: -15%
Haul Distance to Nearest Mill: +5%
Stand Density: -5%
Operational Constraints: 0%
Other Price Factor: -35% (Lake County)

Permits Required:

(None)

Forestry Area Office:

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

TIMBER APPRAISAL REPORT - HARVEST SPECIFICATIONS (continued)

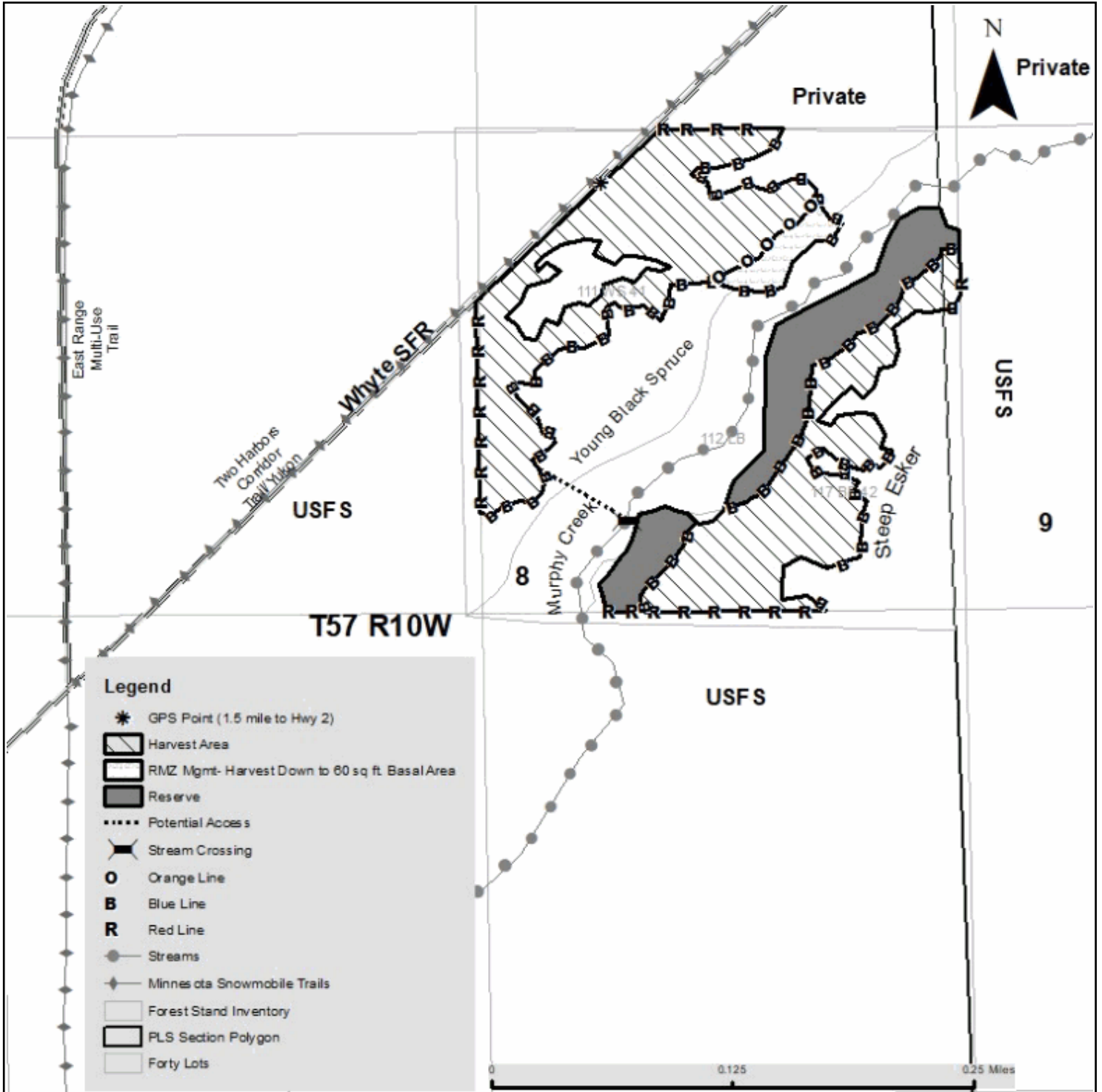
Appraiser Signature	Appraiser (Printed name) Brian Schiller	Appraiser ID # 01165593	Signature Date 12/06/2024
Approved By Signature	Approved By (Printed name) Jason Bushmaker	Approver ID # 01118506	Approval Date 12/31/2024



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GPS Location: Latitude 47 26 26, Longitude -91 37 26



(Cutting Block 23001, Snapshot Sequence Number 0)

Cutting Block Map (may not print to scale)

SOAV Eligible: No

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

Site t05710wl080111	Harvest Prescription Regen Harvest-Even-Aged-Salvage-w/Rsrv Clearcut I&D						
Stand	Cover Type	Plan Status	Planned	Examined	Appraised	Deferred	Altered
t05710wl080111	WS	Adopted	19.1	19.1	7.9	0.0	11.2

Site t05710wl080117	Harvest Prescription Regen Harvest-Even-Aged-Salvage-w/Rsrv Clearcut I&D						
Stand	Cover Type	Plan Status	Planned	Examined	Appraised	Deferred	Altered
t05710wl080117	Bf	Adopted	14.5	14.5	8.9	0.0	5.6

Totals	33.6	33.6	16.8	0.0	16.8
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Forty/Lot Information:

Twp - Range	Sec	Forty / Lot	Land Status	Acres	% Total Value
57-10W	8	SENE	09: School	13.2	100

Totals	13.2	100
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Specifications included in Notice Of Sale:

Season of Operations:

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