

Timber Appraisal Report



Permit Holder Cass Forest Products	Sale Type	RAN	Permit Number
	Regular Auction	142	B012922
	Permit Date	Expiration Date	
	04/30/2015	05/31/2018	



The resource management of the Minnesota DNR's state forests and wildlife management areas meets the objectives of the SFI® program (Certificate No. 6Y921-S1) and the principles of the FSC® certification standard (Certificate No. SCS-FM/COC-00088N).

**FSC
100%**

Appraisal includes one (1) cutting block:

Block #	Legal Description	Sec-Twp-Rng	County
1	NESW,NWSW,SESW,SWNW,SWSW	36-139-28W	11: Cass

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

Bid	SOAV	Species	Product	Quantity	UOM	Appraised Price	Appraised Value	Bid %	Bid Price	Bid Value
+		Norway Pine	Woodsrun Mixed Products	2,870.00	Cd	46.50	133,455.00	120	102.30	293,601.00
		Trembling Aspen	Woodsrun Cordwood	15.00	Cd	20.83	312.45		20.83	312.45
		Red Oak	Woodsrun Cordwood	2.00	Cd	15.30	30.60		15.30	30.60

Sale Acres	71.0	Advance Payment	20,069.71	Total Appraised Value	133,798.05	Total Bid Value	293,944.05
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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	1,500.00	Tons	1.00	1,500.00

Total Appraised Cords per Acre: 40.7

Mixed Species Description:

N/A

Mixed Product Description:

Norway Pine Woodsrun Mixed Products includes: Bolts 30%; Pulpwood 20%; Sawtimber 50%.

HARVEST SPECIFICATIONS

Cutting and Felling:

- Harvest all Norway pine, aspen and red oak.
- Reserve all white pine and white spruce.
- Do not fell timber into recreational trail or wetlands.
- Full tree skidding required.
- Stump height must not exceed 12".

Season of Operations:

- Conduct sale operations on dry or frozen soil conditions only, except with written permission from State.
- Operate during non-rutting soil conditions. Refer to DNR rutting guidelines.
- All pine products must be removed within three weeks of being cut during the period of March 1 to September 1.

Timber Appraisal Report - Harvest Specifications (Continued)

HARVEST SPECIFICATIONS

Slash Disposal:

- Keep recreational trail free of logging residue.
- Tightly pile slash on landings for future burning.
- Biomass harvest is allowed on this permit. An Added Timber Agreement is required.

Site, Soil and Water Protection:

- If site damage becomes apparent, alter or cease operations and contact State.
- Wetlands requiring filter strips occur on this permit.
- Follow other actions as directed by the sale administrator to minimize the introduction and/or spread of invasive species.

Landings Roads and Trails:

- Post "Trucks Hauling" signs 200 feet beyond either end of road/trail section being used.
- The location and construction of all roads and landings must be pre-approved by the State.
- Recreation trail along south end of permit boundary may not be used as access during snowmobile season.

Sale Conditions:

- Access is across State land.

Marketing and Special Conditions:

This is a final harvest of a Norway pine plantation. This stand is approx. 64 year old Norway pine that has been thinned twice previously. It averages 13-15" DBH and 7 total sticks. Good summer access off of Old Grade on Lily Lake MMR with minor road repairs possible, rolling/hilly terrain throughout stand.

Price Adjustments:

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

Permits Required:

(None)

Forestry Area Office:

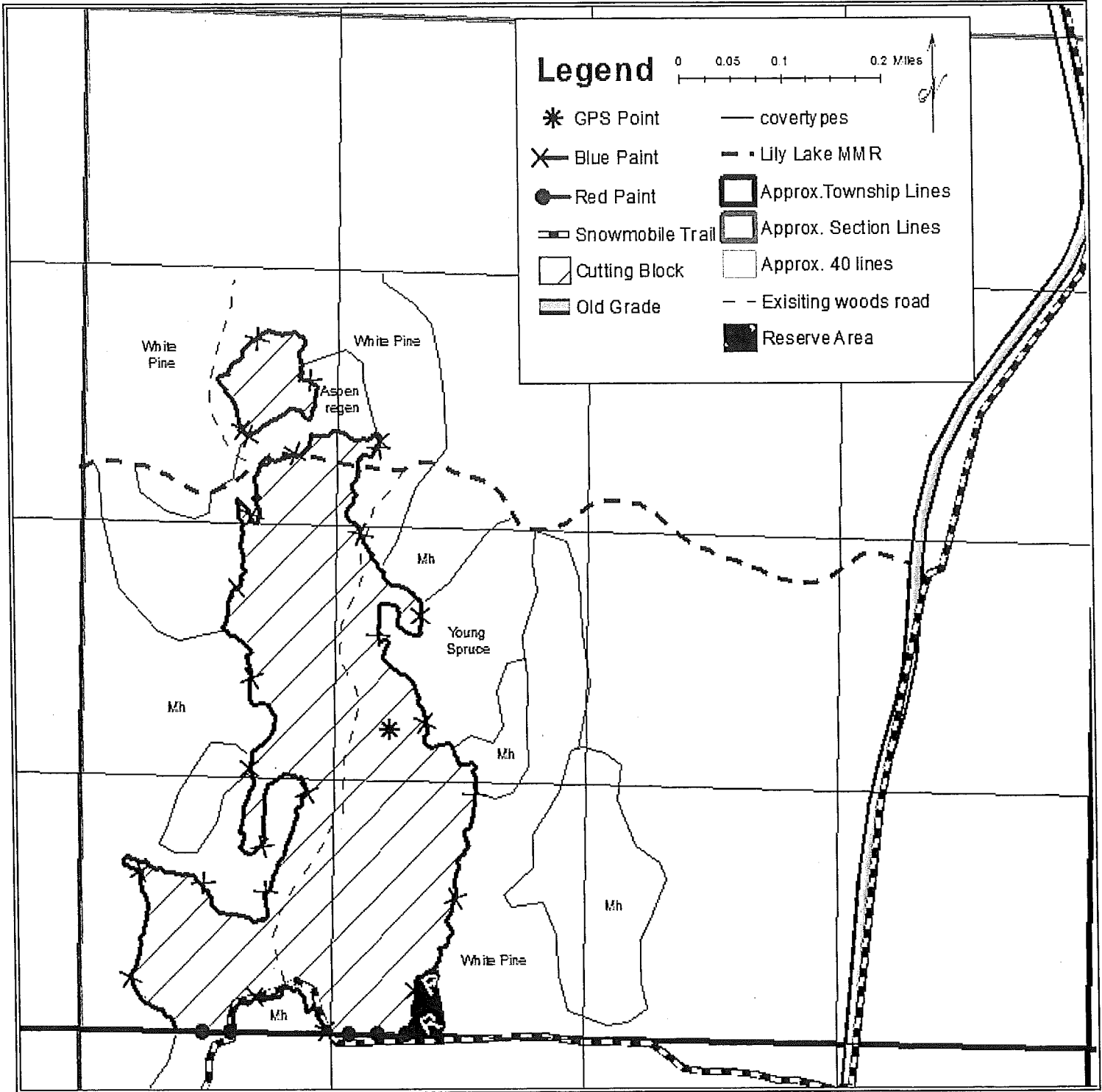
Backus Area Forestry Office
P.O. Box 6
Backus, MN 56435
Telephone: 218-947-3232

Appraiser Signature	Appraiser (Printed name) Darren S. Bundy	Appraiser ID # 01108740	Signature Date 03/24/2015
Approved By Signature	Approved By (Printed name) Troy D. Holcomb	Approver ID # 01115770	Approval Date 03/26/2015



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GPS Location: Latitude - 46 48 32, Longitude - 94 10 7



(Cutting Block ID 12751, Snapshot Nbr 0)

Cutting Block Map (may not print to scale)

SOAV Eligible: No

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

Site	Harvest Prescription						
t13928w1360085	Regen Harvest-Even-Aged-Clearcut						
Stand	Cover Type	Plan Status	Planned	Examined	Appraised	Deferred	Altered
t13928w1360085	NP 66	New	79.0	79.0	72.0	0.0	7.0
Totals			79.0	79.0	72.0	0.0	7.0

Forty/Lot Information - Appraisal includes one (1) cutting block:

Twp - Range	Sec	Forty / Lot	Land Status	Acres	% Total Value
139-28W	36	NESW	09: School	11.6	16
		NWSW	09: School	13.8	19
		SENW	09: School	1.3	2
		SESW	09: School	18.1	26
		SWNW	09: School	7.7	11
		SWSW	09: School	18.5	26
Totals				71.0	100

Specifications included in Notice Of Sale:

Cutting and Felling:

- Full tree skidding required.

Season of Operations:

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

Sale Conditions:

- Access is across State land.