

Timber Appraisal Report



Permit Holder Hettver Logging LLC	Sale Type Regular Auction	RAN 142	Permit Number B013223
Permit Date 12/18/2015		Expiration Date 05/30/2018	

SUSTAINABLE FORESTRY INITIATIVE <small>SFI - 00076</small>	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	NENE SESE	1-45-30W 36-46-30W	18: Crow Wing

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

Bid	SOAV	Species	Product	Quantity	UOM	Appraised Price	Appraised Value	Bid %	Bid Price	Bid Value
+		Trembling Aspen	Woodsrun Cordwood	155.00	Cd	18.75	2,906.25	6	19.88	3,081.40
		Northern Hardwoods	Woodsrun Cordwood	2.00	Cd	8.90	17.80		8.90	17.80

Sale Acres	8.5	Advance Payment	438.61	Total Appraised Value	2,924.05	Total Bid Value	3,099.20
------------	-----	-----------------	--------	-----------------------	----------	-----------------	----------

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.

Total Appraised Cords per Acre: 18.5

Mixed Species Description:

Northern Hardwoods Woodsrun Cordwood includes: American Elm 14%; Basswood 14%; Bur Oak 14%; Paper Birch 15%; Red Maple 14%; Red Oak 15%; White Ash 14%.

Mixed Product Description:

N/A

HARVEST SPECIFICATIONS

Cutting and Felling:

- Harvest all aspen. Upon TSA approval northern hardwoods can be harvested if needed to prepare the access road for hauling.
- Reserve all oak, maple, and birch within the sale area.
- Reserve all non-hazardous snags.
- Snag retention is very important to this wildlife management area. Care should be taken to retain as many snags as possible.

Season of Operations:

- No sale operations allowed during firearms / muzzleloader deer seasons.
- Conduct sale operations on frozen soil conditions only, except with written permission from State.
- Operate during non-rutting soil conditions. Refer to DNR rutting guidelines.

Slash Disposal:

- Distribute slash evenly across sale area within 2 feet of the ground.
- Biomass harvest is not allowed on this permit.

Site, Soil and Water Protection:

Timber Appraisal Report - Harvest Specifications (Continued)

HARVEST SPECIFICATIONS

Site, Soil and Water Protection (Continued):

- Leave at least 5 sound downed logs greater than 6" diameter and 6 feet in length per acre.
- Before entering or leaving the permit area, be sure all vehicles, equipment, trailers and personal gear are free of caked mud, dirt clods, plants, plant parts, bark or debris. Using a power washer or air compressor is recommended, but not required unless stated in another specification.
- Follow other actions as directed by the sale administrator to minimize the introduction and/or spread of invasive species.

Landings Roads and Trails:

- Haul roads must be regularly maintained in a safe and usable condition.
- Haul roads will be restored to pre-sale conditions.
- Use only existing landings located in the field directly to the west of the permit area.
- With permission from the TSA, northern hardwood trees may be harvested to create and maintain the haul road. All trees will be identified and approved by the TSA before removal. All trees along haul road that are removed must be utilized. Haul road must not exceed 12 feet in width without written permission from the state. Hardwoods listed on permit are only for the creation and maintenance of the haul road.

Sale Conditions:

- Access is across county land.
- Permission to cross county land must be obtained by permittee.
- This permit is located within the Lorech WMA.

Marketing and Special Conditions:

Within the Lorech WMA,
Appraiser Brothen

Aspen averages 6 sticks tall and 10 in DBH

Stand is healthy aspen. There is a small amount of wind throw within the stand. Most of it is located within the reserve area.

Access is off of the Nelson road across county lands.

The access route travels through a county cross country ski area.

The access route is very narrow with a small portion of it at the top of a ridge.

Price Adjustments:

Road Construction Costs: 0%

Haul Distance to Nearest Mill: +5%

Stand Density: -5%

Operational Constraints: -10%

Other Price Factor: 0%

Permits Required:

(None)

Forestry Area Office:

Backus Area Forestry Office

P.O. Box 6

Backus, MN 56435

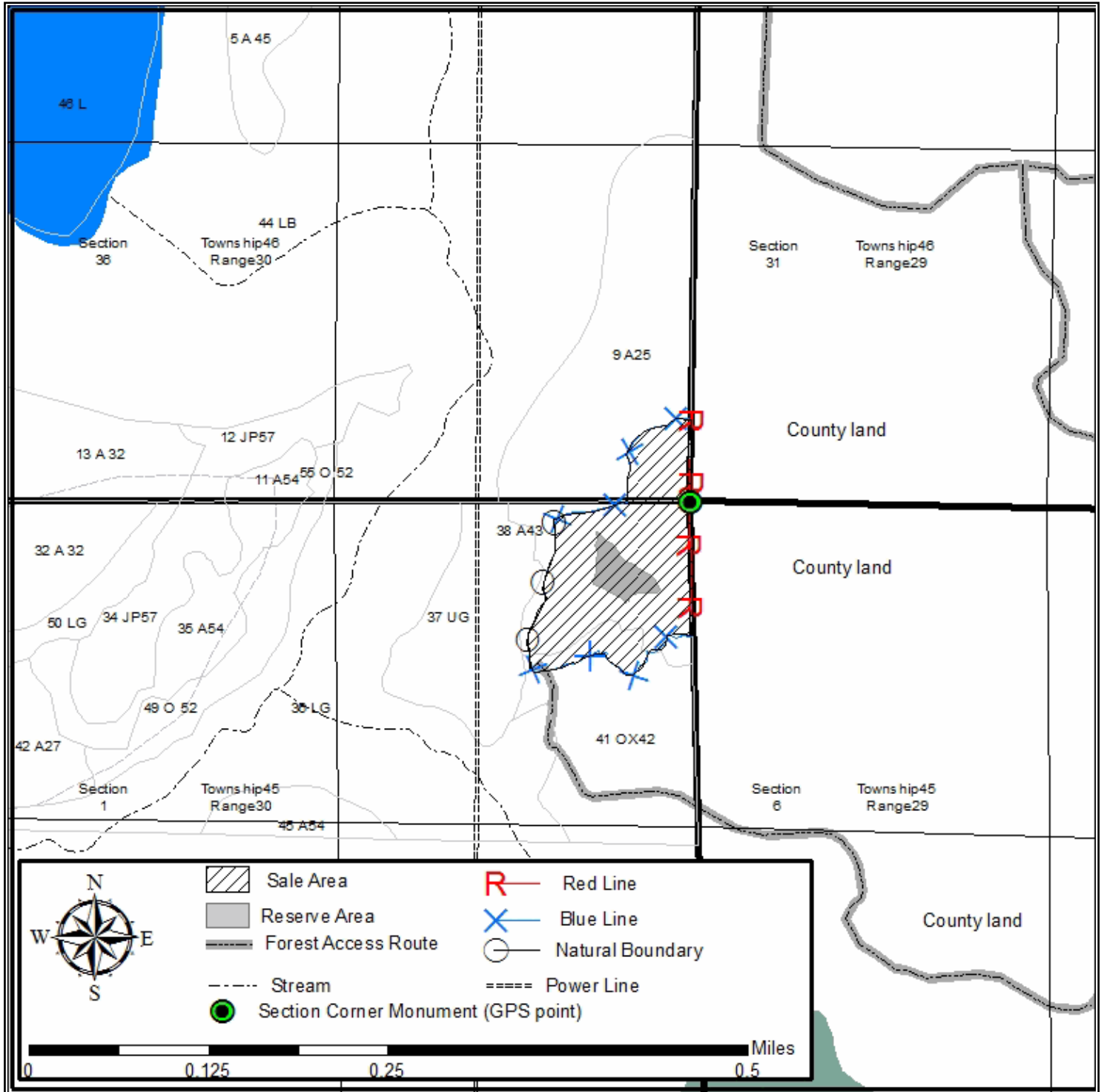
Telephone: 218-947-3232

Appraiser Signature	Appraiser (Printed name) Alex J. Brothen	Appraiser ID # 01069485	Signature Date 11/16/2015
Approved By Signature	Approved By (Printed name) Troy D. Holcomb	Approver ID # 01115770	Approval Date 11/16/2015



Permit Holder Hettver Logging LLC	Sale Type Regular Auction	RAN 142	Permit Number B013223
	Permit Date 12/18/2015	Expiration Date 05/30/2018	

GPS Location: Latitude - 46 3 44, Longitude - 94 25 0



(Cutting Block ID 13582, 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						
t04530w1010041	Regen Harvest-Even-Aged-Clearcut-w/Rsrv						
Stand	Cover Type	Plan Status	Planned	Examined	Appraised	Deferred	Altered
t04530w1010041	A 25	New	1.0	1.0	1.0	0.0	0.0
t04530w1010038	A 43	Adopted	7.5	7.5	6.5	0.0	1.0

Site	Harvest Prescription						
t04630w1360009	Regen Harvest-Even-Aged-Clearcut-w/Rsrv						
Stand	Cover Type	Plan Status	Planned	Examined	Appraised	Deferred	Altered
t04630w1360009	A25	New	1.5	1.0	1.0	0.0	0.0

Totals	10.0	9.5	8.5	0.0	1.0
---------------	------	-----	-----	-----	-----

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

Twp - Range	Sec	Forty / Lot	Land Status	Acres	% Total Value
45-30W	1	NENE	03: Acquired Wildlife	7.5	89
46-30W	36	SESE	09: School	1.0	11

Totals	8.5	100
---------------	-----	-----

Specifications included in Notice Of Sale:

Season of Operations:

- No sale operations allowed during firearms / muzzleloader deer seasons.
- Conduct sale operations on frozen soil conditions only, except with written permission from State.

Slash Disposal:

- Biomass harvest is not allowed on this permit.

Sale Conditions:

- Access is across county land.
- Permission to cross county land must be obtained by permittee.
- This permit is located within the Lorech WMA.

