

Itasca County Timber Appraisal Report

Appraised By: Bob Rother Appraisal Date: 09/27/2019	Sale Type: REGULAR AUCTION SALE Auction Date: 12/10/2019	Appraisal Number: 19-01-12 Permit Number: Expiration Date: 03/01/2022 Page: 1 of 3
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Legal Description

<u>RE Code</u>	<u>Sec.</u>	<u>Twp.</u>	<u>Rge.</u>	<u>City/Twp</u>	<u>Subd</u>
08-036-3000	36	54	24	Blackberry	SW 1/4
08-035-0000	35	54	24	Blackberry	ALL OF SEC 35

<u>Block 1 Species</u>	<u>Volume</u>	<u>Units</u>	<u>Unit Price</u>	<u>Value</u>	<u>Comments</u>	<u>Bolt %</u>	<u>Bid</u>
Aspen	450	Cords	\$22.00	\$9,900.00	3-6 Sticks, 5-15" DBH, Fair-Good Condition	10	^
Red Pine	425	Cords	\$32.00	\$13,600.00	2-8 Sticks, 6-18" DBH, Fair-Good Condition, 25% Saw	55	^
Spruce	90	Cords	\$24.00	\$2,160.00	3-6 Sticks, 6-12" DBH, Good Condition, 95% Black Spruce	30	#
Ash	50	Cords	\$12.00	\$600.00	3-5 Sticks, 7-12" DBH, Fair Condition	40	*
Paper Birch	35	Cords	\$10.00	\$350.00	3-5 Sticks, 7-12" DBH, Fair Condition	10	*
Jack Pine	30	Cords	\$26.00	\$780.00	4-7 Sticks, 8-14" DBH, Fair Condition	60	*
Balsam Fir	10	Cords	\$13.00	\$130.00	2-6 Sticks, 6-12" DBH, Fair Condition	30	*
Maple	10	Cords	\$8.00	\$80.00	2-4 Sticks, 7-12" DBH, Fair Condition		*

\$27,600.00 **Subtotal**

Total Cords = 1,100 **Total MBF: 0** \$27,600.00 **Total**

Bid Symbols: ^ = Bid Species; # = Non-Bid Species; + = Sold Area Estimate; * = Sold Area Estimate & Non-Bid Species
 All species woodsrun unless listed otherwise.

Species Scaled: Aspen, Red Pine, Spruce
Species SAE: Ash , Balsam Fir, Jack Pine, Maple , Paper Birch

Operability: Winter Chance: 12/1 - 3/1 **Soil Type:** Cowhorn loamy very fine sand
Topography: Level to rolling **Cutting Acres:** 53.1

All permits must follow Itasca County Forest Management Guidelines and Specifications (can be found at <http://www.co.itasca.mn.us/DocumentCenter/View/567/Forest-Management-Guidelines-and-Specifications>).

Harvest Specifications

Comments
Harvest Type = Aspen Clearcut with Reserves (33 ac); Red Pine Operator Select Thin (16.7 ac); Ash Operator Select Thin (3.4 ac)

Harvest and Reserves
Clearcuts: Reserve White Pine, Oak, Elm, Snags, Den/Cavity trees, Balsam < 2 sticks, & hardwood regeneration patches. Trees marked with "R" are to be reserved for wildlife.

Access
Sale located on County Road 72.

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Landings and Access Roads

Location and construction of any new roads/landings must be pre-approved by the sale administrator.
 Trails and landings need to be rehabilitated to a satisfactory condition before performance bond is returned.
 Reserve all non-merchantable timber within 15ft of County Road 72.
 Berm(s) must be installed after sale is completed as directed by sale administrator.
 Landings must be kept back at least 100' from CR 72.
 Timber sale administrator shall be notified at least 3 working days prior to completion of hauling and road work. This provides adequate time for permit area inspection and addressing of permit compliance requirements before hauling and road work equipment is removed.

Cutting, Felling, and Skidding

Pine Thins: Timber must be processed at the stump.
 Do not damage crop trees, regeneration patches, or reserve trees.
 1st Time Pine Thin: Cut 12 ft. access strips reserving 40 ft. in between strips for thinning. Thin stand down to an average of 90 basal area. Favor the removal of smaller diameter, poor quality, damaged trees, and hardwoods overtopping or competing with crop trees.
 Sale boundaries painted Orange Slashes (III) are shown on sale map. Paint lines face Clearcuts. All other boundaries are natural.
 Pole Size Pine Thins: (Ages 53-76) Cut 12 ft. access strips reserving 40 ft. in between strips for thinning. Thin stand down to an average of 100-120 basal area depending on initial basal area. Do not remove more than 40% of the basal area. Generally thin from below: favor the removal of smaller diameter, poor quality, and damaged trees. Remove all balsam, spruce, and jack pine. Remove aspen and birch competing with red pine crop trees; reserve scattered aspen and birch where possible.
 Ash Thin: Cut 12 ft. access strips reserving 40 ft. in between strips for thinning. Thin stand down to an average of 50 basal area. Remove largest diameter trees first down to target basal area. Cut all Aspen stems within Ash type.

Site, Soil, and Water Protection

Filter strips require <5% soil disturbance within 50' of all wetlands.

Slash Disposal

Slash must be evenly distributed throughout permit area and slash height must be kept below 3' within view of CR 72.
 A 10 ft. wide slash free zone must be maintained along roads and trails.

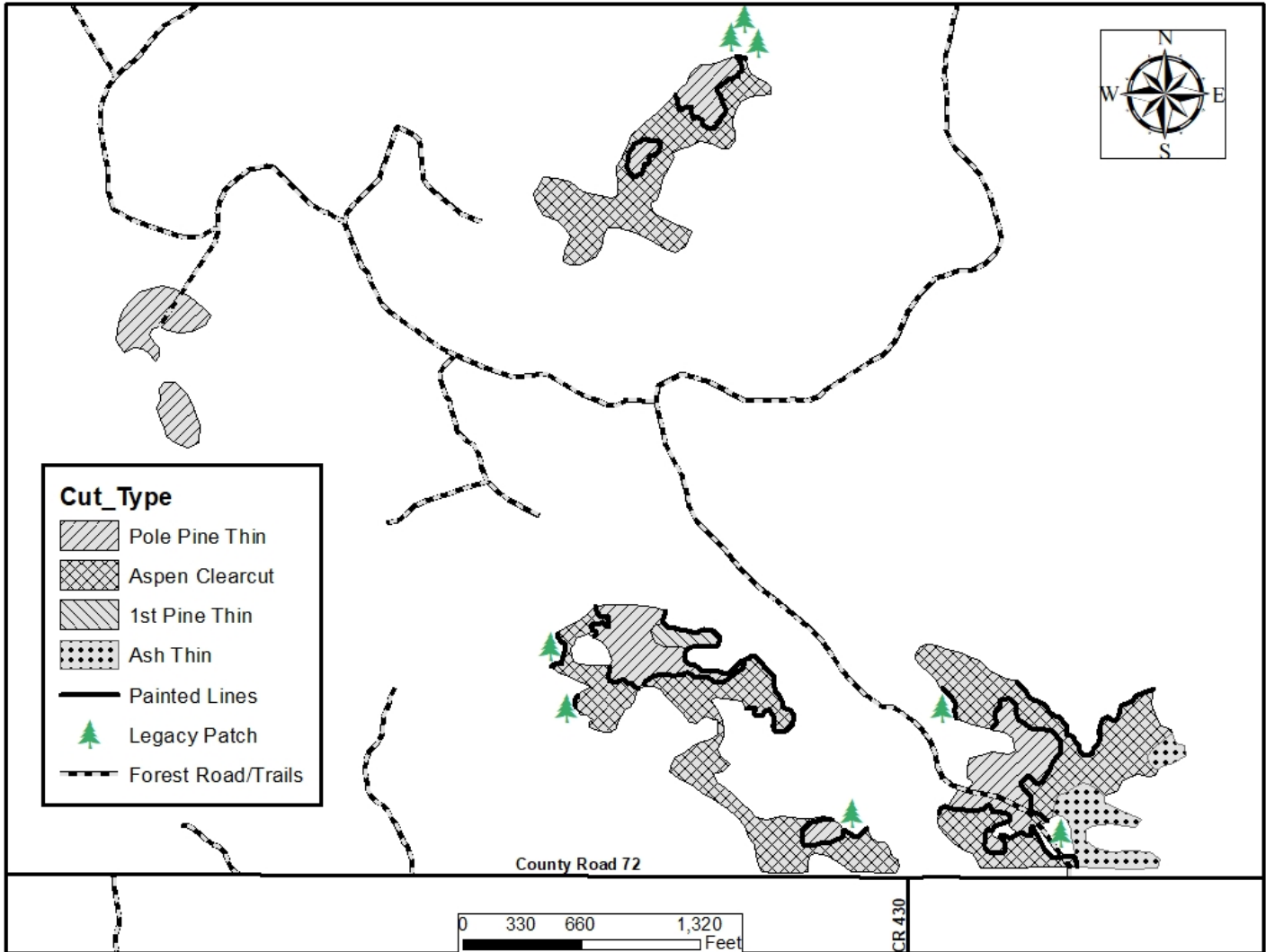
Regeneration Plan

Natural Regeneration to Aspen, Birch, Spruce, Balsam, Maple, & Ash

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Site Map:



Appraisal examined and approved by _____
Forester Date

Appraisal examined and approved by _____
Land Department Date