

Itasca County Timber Appraisal Report

Appraised By: Casey Dabrowski Appraisal Date: 08/20/2019	Sale Type: REGULAR AUCTION SALE Auction Date: 12/10/2019	Appraisal Number: 19-02-12 Permit Number: Expiration Date: 03/01/2023 Page: 1 of 3
---	---	---

Legal Description

<u>RE Code</u>	<u>Sec.</u>	<u>Twp.</u>	<u>Rge.</u>	<u>City/Twp</u>	<u>Subd</u>
10-120-3000	20	62	23	Carpenter	SW 1/4
10-129-2000	29	62	23	Carpenter	NW 1/4

<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	806	Cords	\$24.00	\$19,344.00	6-10", 4-6 st, Good.	5	^
Red Pine	143	Cords	\$37.00	\$5,291.00	5-23", 2-9 st, Good. 65% saw. 106 cd mature pine CC, 37 cd thin.	10	^
Paper Birch	97	Cords	\$12.00	\$1,164.00	8-15", 3-6 st, Fair.	25	^
Maple	70	Cords	\$9.00	\$630.00	5-15" firewood, 20% hard maple	0	#
Balsam Fir	46	Cords	\$17.00	\$782.00	6-13", 2-5 st, Fair.	25	#
Red Oak	33	Cords	\$9.00	\$297.00	9-20", 4-6 st, Fair.	0	#
Balm	30	Cords	\$19.00	\$570.00	5-10", 3-5 st, Fair.	0	#
Spruce	4	Cords	\$20.00	\$80.00	9-17", 4-6 st, Fair. White.	30	#
White Pine	3	Cords	\$8.00	\$24.00	6-8", 2-4 st, Poor.	0	#

\$28,182.00 **Subtotal**

Total Cords = 1,232 **Total MBF: 0** \$28,182.00 **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, Balm , Balsam Fir, Maple , Paper Birch , Red Oak, Red Pine, Spruce , White Pine

Species SAE:

Operability:	Summer: Dry Ground: 7/1 - 10/1, Winter: Frozen Ground: 12/1 - 3/1	Soil Type:	Nashwauk-Menahga Complex
Topography:	Level/rolling; some steep	Cutting Acres:	43.4

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

<u>Comments</u>
Harvest type: aspen clearcut with reserves (40.4 ac) and first time red pine thins (3 ac). Thins include 2 blocks: 1 plantation and 1 natural origin within the aspen type.

<u>Harvest and Reserves</u>
Harvest: In aspen type, cut all non-reserved timber, including trees with orange spiral slashes (//). Harvest: In red pine thins, 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, and damaged trees. Reserve: In aspen type, reserve red pine <10", birch, spruce, and oak <8", maple <5", and all basswood and elm. Trees marked with "R" are to be reserved for wildlife and as seed trees. Reserve all non-hazardous snags.

Itasca County Timber Appraisal Report

Appraised By: Casey Dabrowski Appraisal Date: 08/20/2019	Sale Type: REGULAR AUCTION SALE Auction Date: 12/10/2019	Appraisal Number: 19-02-12 Permit Number: Expiration Date: 03/01/2023 Page: 2 of 3
---	---	---

Access

Cabin access road must be used to access the timber sale. Access road must be kept in good condition at all times. It is the permit holder's responsibility to obtain approval from all affected landowners before using existing forest road across private property, if desired. The permit holder shall pay all access fees and road charges.
0.5 miles to public road Rollercoaster Road.

Landings and Access Roads

Location and construction of any new roads/landings must be pre-approved by the sale administrator. Access road, trails, and landings need to be rehabilitated to a satisfactory condition before performance bond is returned. 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

Timber must be processed at the stump within pine thins.
Do not damage reserve trees.
Some steep slopes occur on this permit; cut only aspen on slopes.
Do not fell timber into wetlands or across sale boundaries.
Do not disturb survey markers which are rebar pins marked with orange fence posts and pink flagging. None have witness trees.
Sale boundaries painted with orange lines (I I I) and ownership boundaries painted with orange circles (O O O).

Site, Soil, and Water Protection

Filter strips require <5% soil disturbance within 50' of all wetlands, marked out or otherwise. Do not skid across seasonally flooded depressions. Roads and skid trails must be stabilized. This may involve installing water bars, strike outs, and/or mulching and seeding. Reserve all non-merchantable timber within 15ft of marked wetlands.

Slash Disposal

Slash must be evenly distributed throughout permit area.

Special Conditions

Logging season for red pine areas may be restricted to August through February during high bark beetle risk. All cut pine must be hauled within 3 weeks during June through August.

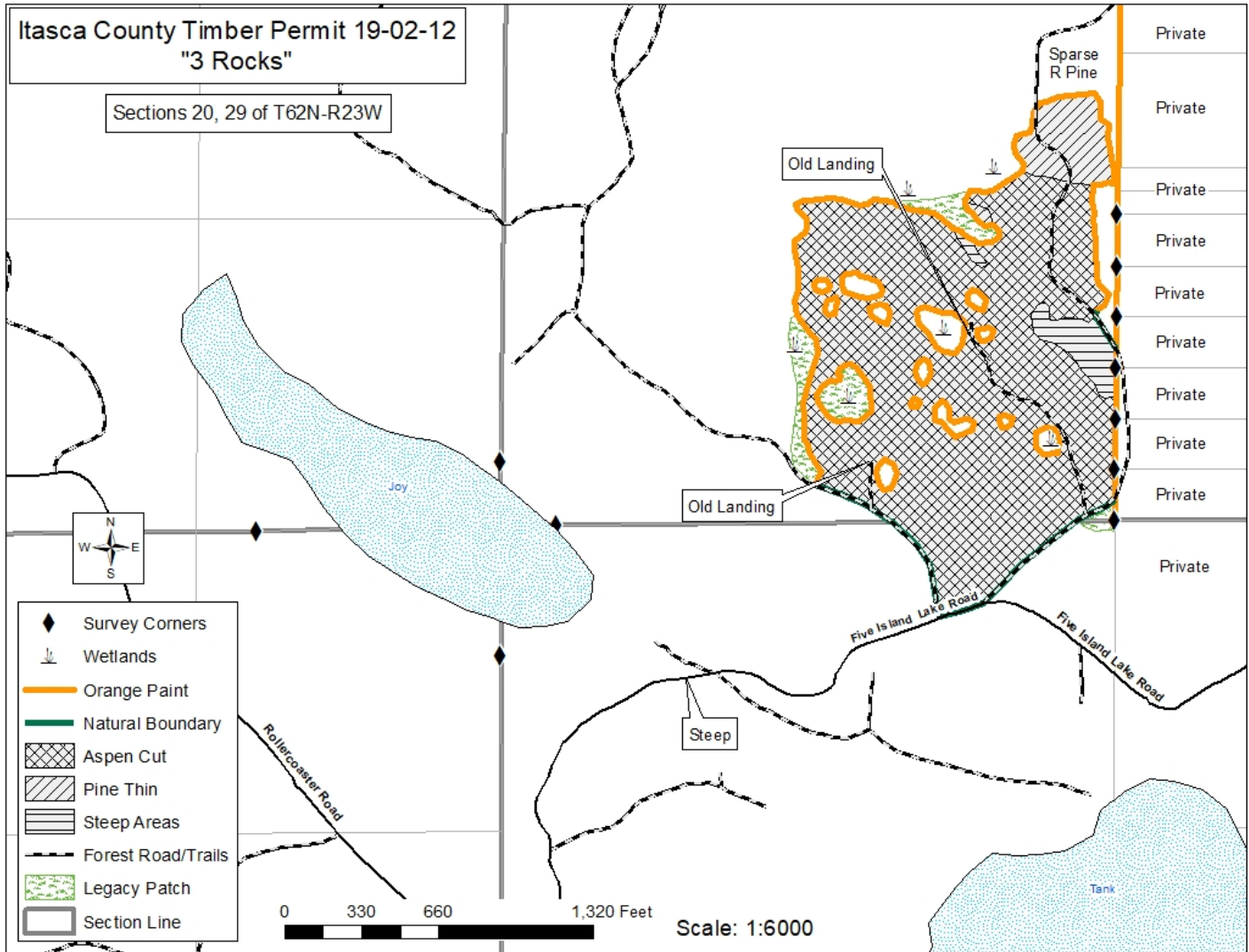
Regeneration Plan

Natural regeneration to aspen.

Itasca County Timber Appraisal Report

Appraised By: Casey Dabrowski Appraisal Date: 08/20/2019	Sale Type: REGULAR AUCTION SALE Auction Date: 12/10/2019	Appraisal Number: 19-02-12 Permit Number: Expiration Date: 03/01/2023 Page: 3 of 3
---	---	---

Site Map:



Appraisal examined and approved by _____
Forester
Date

Appraisal examined and approved by _____
Land Department
Date