

Beltrami County NRM Timber Appraisal

Appraised By: Nick Ronning Appraisal Date: 01/10/2024	Sale Type: REGULAR AUCTION SALE Auction Date: 04/04/2024 Access: Public Access	Appraisal Number: Perry Creek Permit Number: 224009 Expiration Date: 04/04/2027
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Legal Description

<u>RE Code</u>	<u>Sec.</u>	<u>Twp.</u>	<u>Rge.</u>	<u>School</u>	<u>City/Twp</u>	<u>Subd</u>		
	5	150	30	32	Hornet	N 1/2		
<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 pulp	1,150	Cords	\$24.00	\$27,600.00			^	
Balm of Gilead pulp	110	Cords	\$24.00	\$2,640.00			^	
Ash pulp	275	Cords	\$10.00	\$2,750.00	Should include some bolts		#	
Birch pulp	50	Cords	\$10.00	\$500.00			#	
Balsam Pulp & Bolts	20	Cords	\$10.00	\$200.00			#	
White Spruce pulp	20	Cords	\$10.00	\$200.00	No spruce hit the cruise but black and white spruce was present. Possibly some bolts		#	
				\$33,890.00	Subtotal			
Total Cords: 1,625 Total MBF: 0				\$33,890.00	Total			
				\$5,083.50	15% Down Payment			

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

Species Scaled: Ash pulp, Aspen pulp, Balm of Gilead pulp, Balsam Pulp & Bolts, Birch pulp, White Spruce pulp
Species SAE:

Operability: Sale will require deep frozen conditions to operate Ash swales.: Jan 1 - Breakup
Soil Type: loam and muck
Topography: flat
Acres: 83

DRAIN

Type: REGULAR AUCTION SALE
Acres Cut: 83.00

Total: 83.00

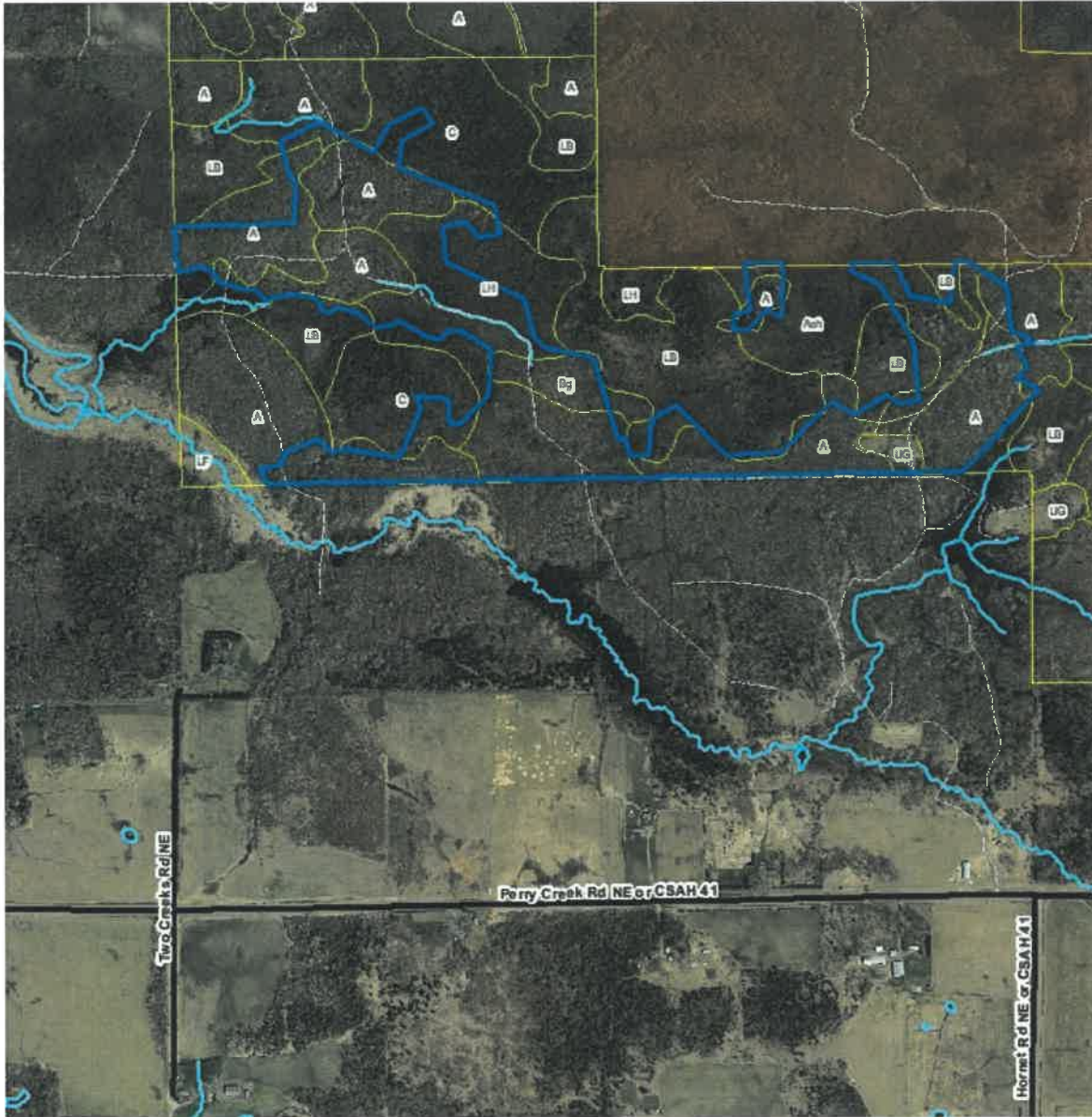
Harvest Specifications

Access
<ul style="list-style-type: none"> • Swamp Access - This swamp sale may require advance work to freeze access and trails and/or the use of tracked equipment or equipment with oversize tires or duals. • Winter Only – All operations limited to winter, frozen ground or sufficient snow cover to protect soil surface. • Latitude/Longitude – Primary access location is Lat. 47.841 N, by Long. 94.506 W.

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Site Map:



Appraisal examined and approved by

[Signature]
Forester

2/15/2024
Date

Appraisal examined and approved by

Richard A. Moore
Land Department

2/15/2024
Date

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Cutting and Skidding

- Logging Damage - Logging damage is injury to 30% or more of the crown; or bark damage exposing cambium of 50 sq.in. or more; or damage causing lean of more than 5 degrees from original. Damage to reserve trees, as identified on the Appraisal form, may be subject to a \$25/tree penalty
- Reserve tree cutting penalty - Cutting any marked or designated leave tree without pre-approval by the Forester may be subject to a \$50.00/tree penalty. On area estimate sales, reserve trees approved for cutting by the Forester must be measured or field scaled for billing at contract rates.
- Stay within Boundaries - Unless approved in advance by the Forester, all harvest activities shall be confined to within the marked boundary. Access roads, skid trails and landing areas proposed for use outside the harvest boundary must be approved prior to use. Failure to comply with these requirements may be subject to a \$100 penalty per incident.
- Stumps – Average stump heights below 12" and as low as possible.

Harvest and Reserves

Blue Paint Boundaries

- Cut Trees: Must cut all Aspen & Balm with live buds > 8" DBH, All Spruce & Fir > 3 sticks, Ash > 10" DBH, Birch > 8" DBH
- Leave Trees: Reserve and do not damage: Aspen Regen patches, All Oak, Cedar, Maple, Basswood, Elm, and Pine (if there is any). Any reserve trees to be cut for roads/trails must be approved in advance by Forester and will be scaled at Aspen Rates.

Landings, Access Roads, and Skid Trails

- Landings Approved – Landing locations must be approved in advance by the Forester. Sale plan includes 4 landings
- Roads stay open - Sale is mostly accessible via existing road system. Roads to remain open and in pre-existing or better condition with BMP drainage after use. Any temporary trail or spur will be closed.
- Snow/Ice Bridge – Stream may be crossed in the winter with a compacted snow and ice bridge. Crossing must be breached before spring breakup to prevent flooding.

Other Remarks

There is an old barbed wire fence near the south boundary of the sale

Permits Required

- Written Permission - If using private access, written signed permission from the land owner must be provided prior to opening sale.

Site, Soil, and Water Protection

- Intermittent streams – small intermittent streams less than 3' wide are in the project area. Crossings may be frozen or dry and firm. Slash, mats or corduroy must be approved by Forester. Use must not damage bed, banks or flow cross sections.
- Rutting - Contractor must be prepared to shut down equipment operations or hauling if thawing or wet conditions create the potential for rutting. Failure to comply with this requirement may be subject to a \$100 penalty per occurrence.
- Soil Protection - Soils are subject to rutting if operated on when wet, stop activity if conditions may lead to rutting, compaction or displacement of soils. Keep BMP applications current to prevent erosion.

Slash Disposal

Lop and Scatter slash to within 2' of ground. Scattered Slash Piles (20'x20'x10') for wildlife are encouraged.

Tree Size, Marketing, and Special Conditions

- 4 inch TDIB – Utilize all material from butt to a 4" top diameter inside bark.
- No excess culling – Cutting long Butts or oversize tops to produce higher quality product must be done to retain marketable lengths of lower value pulp or firewood. Culling which leaves excessive amounts of wood in unmarketable lengths may be subject to a \$10.00 per piece penalty, unless the material is loaded and hauled off site based upon an estimated cord volume.
- Private Wood – There is a strip of private wood along part of the sale boundary that is NOT part of this sale. If the landowner sells this wood to you, to comply with Chain of Custody requirements of our certifying organization, the private wood must not be mixed or hauled with the County wood.

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Perry Creek						
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
	5	150	30	32	Hornet	N 1/2	
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
5	150	30	71	82		FPn63	Clear Cut
5	150	30	12	82	45	FDn43	Clear Cut w/Reserves
5	150	30	1	82	95	WFn55	Group Selection
*NPC	FDn43 - Northern Mesic Mixed Forest, FPn63 - Northern Cedar Swamp, WFn55 - Northern Wet Ash Swamp						
No Basal Data							
Current Site Conditions	<p>Current CTYPE is Aspen, with SI 75, and overall BA of 92 sq.ft./ac. Most of the aspen is approximately 45 years old, but there are some big old aspen mixed in here and there.</p> <p>Current CTYPE is Ash/LH, with SI 57, and overall BA of 92 sq.ft./ac. Ash/LH is aged approximately 100 years.</p> <p>Total Area inside blue paint is 91 acres. 9 acres were either reserve area or no cuttable trees tallied. At least 1 acre of young aspen inclusion. Average reserve BA in ash thinning areas was 40 sq ft.</p> <p>49 cruise plots yielded a standard error of 15% which means 9 of 10 cruises would have an appraised volume within 15% of this appraisal. Your actual yield may vary due to several factors. Species breakdowns are only estimates.</p>						
Insect/Disease	EAB - harvest to reduce potential of EAB infestation in Ash						
Timber Objectives	Overall timber sale objective is to reduce Ash volume by approximately half and replace with Aspen, BG, and other hardwoods where possible. Also to clean up a history of small patch cutting, high grading, etc to promote maximum forest growth.						
Regeneration	All cut species should regenerate naturally.						
Riparian	Filter Strips from adjacent wetlands must be protected from scarification. Entire sale are is wetland or adjacent to wetlands. Minimize soil disturbance during harvest. Reserve Trees and fast growth of aspen regen will protect filter strip after harvest.						
Wetlands	type 7 - wooded swamp (hardwood & conifer)						
Soil Types	Shooker Loam and several kinds of Muck. Sale will require deep freeze conditions and most likely tramping of trails to freeze down roads and skid trails before opening sale. May need to allow freezing time between felling and skidding.						
Environmental Impact	Harvest will occur under frozen conditions to minimize impact.						
Wildlife	Project has specific design to favor Deer and Grouse. Project spacing of habitat elements is beneficial to wildlife. Project timing is beneficial to wildlife. Reserve clumps are maintained for habitat connectivity & to help them be wind firm. The reserved species will serve as a mast production for wildlife. There is abundant edge habitat created by placing bedding and escape cover in close proximity to browse/feeding areas. Large Rotten trees may be placed as drumming logs if non-merchantable. Scattered slash piles (20'x20'x10') may be created for small mammals and birds.						
Visual Sensitivity	There are no visual concerns for this harvest area						

* Cited from: MNDNR (2003). Field Guide to the Native Plant Communities of Minnesota: the Laurentian Mixed Forest Province. Ecological Land Classification asdfasdf

STAND HARVEST PRESCRIPTIONS

Natural Heritage	Database was checked and no resources found.
Cultural Resources	Database was checked and no resources found.

STAND HARVEST PRESCRIPTIONS

Harvest Methods

Clear Cut

Harvest all merchantable trees (Clear Cut)

Clear Cut w/Reserves

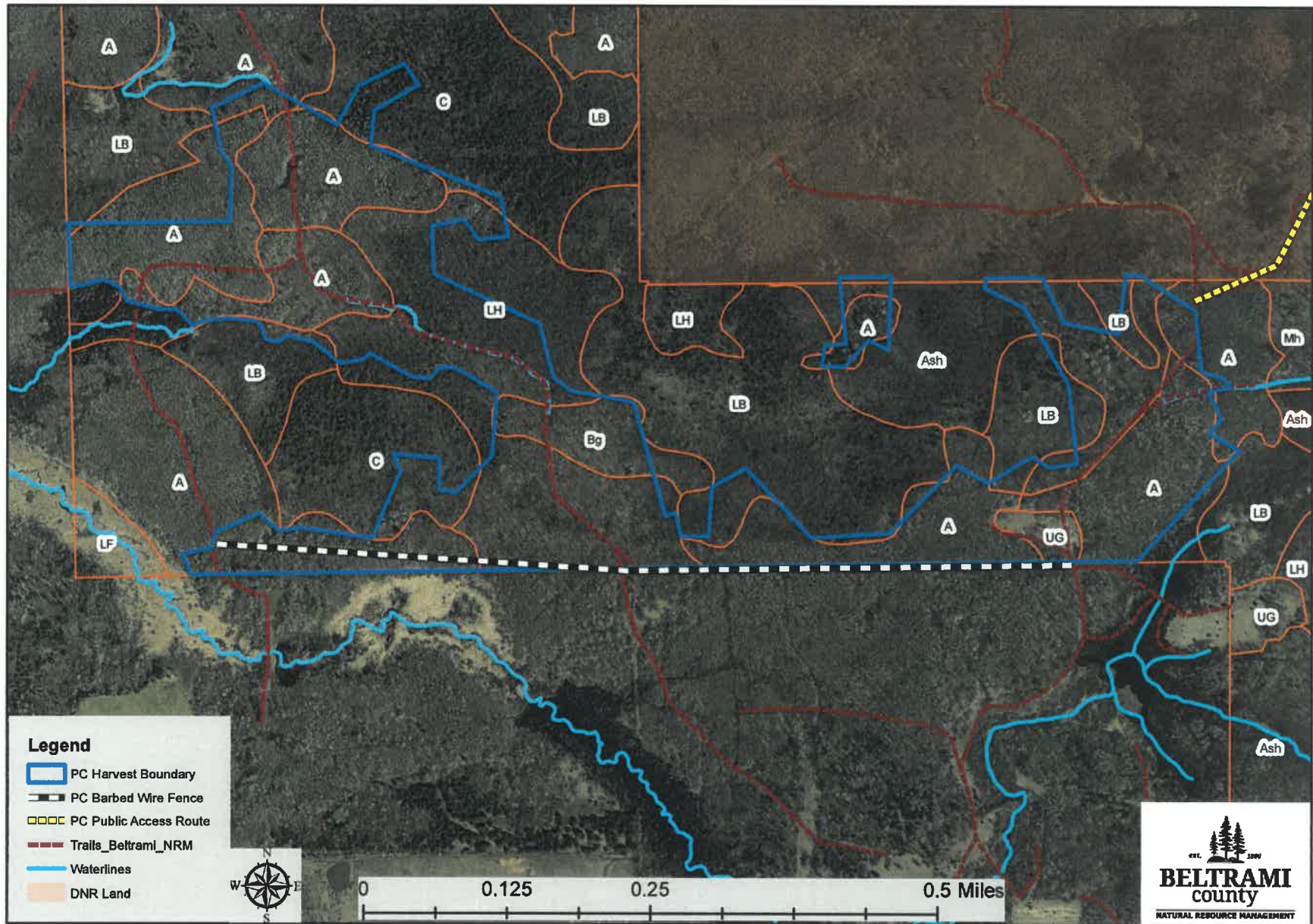
retain marked or designated trees or clumps (Clear Cut)

Group Selection

cut the marked areas for gaps (Group Selection)

Perry Creek Timber Sale Map

Section 5 - T150 - R30 Hornet Township



Perry Creek Timber Sale Access Options

Section 5 T150-R30 Hornet Township

