

# Beltrami County NRM Timber Appraisal

<b>Appraised By:</b> Marshall Graham	<b>Sale Type:</b> REGULAR AUCTION SALE	<b>Appraisal Number:</b> Aspen Chunks
<b>Appraisal Date:</b> 11/08/2023	<b>Auction Date:</b> 04/04/2024	<b>Permit Number:</b> 224010
	<b>Access:</b> Public Access	<b>Expiration Date:</b> 04/04/2026

**Legal Description**

RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd
340028500	24	148	32	31	Port Hope	SE SE
340028600	25	148	32	31	Port Hope	
450025200	31	148	31	32	Taylor	NW NW

Block 1 Species	Volume	Units	Unit Price	Value	Comments	Bolt %	Bid
Aspen pulp	400	Cords	\$25.00	\$10,000.00			^
Balsam pulp	70	Cords	\$12.00	\$840.00			#
Maple pulp	115	Cords	\$15.00	\$1,725.00	Includes 20 cords of birch and 25 cords of ash		#
Basswood Pulp & Bolts	150	Cords	\$20.00	\$3,000.00			#
				\$15,565.00	<b>Subtotal</b>		
<b>Total Cords: 735 Total MBF: 0</b>				\$15,565.00	<b>Total</b>		
				\$2,334.75	<b>15% Down Payment</b>		

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 pulp, Balsam pulp, Basswood Pulp & Bolts, Maple pulp  
**Species SAE:**

<b>Operability:</b>	winter, frozen ground only	<b>Soil Type:</b>	Sandy loam
<b>Topography:</b>	rolling to side-hill/steep		
<b>Acres:</b>	42.7		

<b>DRAIN</b>	
<b>Type:</b> REGULAR AUCTION SALE	<b>Acres Cut:</b> 42.70
<b>Total: 42.70</b>	

**Harvest Specifications**

Access
<ul style="list-style-type: none"> <li>• Winter Only – All operations limited to winter, frozen ground or sufficient snow cover to protect soil surface.</li> <li>• Latitude/Longitude – Primary access location is Lat. 47.6130N, by Long. 94.6720W.</li> </ul>
Cutting and Skidding
<ul style="list-style-type: none"> <li>• Skid on contour – Skid on contour, not up/down slope.</li> <li>• Stumps – Average stump heights below 12" and as low as possible.</li> <li>• Skid trail out of wetland – Locate all skid trails out of wetland areas</li> </ul> <p>A skid trail may need to be put in from the north block to the block south of it on the corner of Three Culverts Road for truck access due to steep hill.</p>

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## Harvest and Reserves

- Boundary Blue Dot/Red Dot – Blue dot boundary interior, red dots near property lines
- Leave Trees: Oak, White cedar, Red & White pine, White spruce

## Landings, Access Roads, and Skid Trails

- Landings Approved – Landing locations must be approved in advance by the Forester. Sale plan includes 4 landings

## Permits Required

- Other Agency Access – Sale access uses a road across other government agencies. Permission for road use is not required to bid, but must be approved by the other agency before operations begin. Their road use requirement must be followed.

## Site, Soil, and Water Protection

- RMZ General - Wetland and lowland brush areas are either excluded from the harvest block or protected by ERZ within block. Be sure to minimize scarification in filter strip per BMP guidelines.
- 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

- Slash Scattered - Less than 2 feet high.

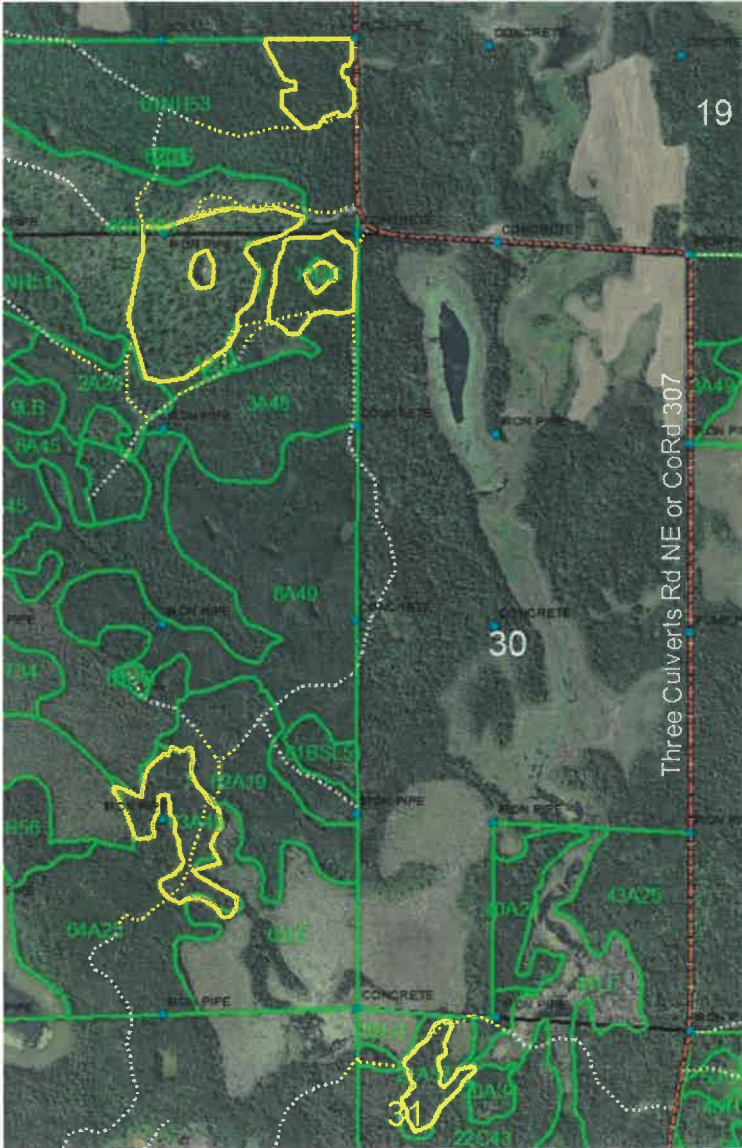
## Tree Size, Marketing, and Special Conditions

- 4 inch TDIB – Utilize all material from butt to a 4" top diameter inside bark.

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**Site Map:**



Appraisal examined and approved by Marshall Graham 2-14-24  
Forester Date

Appraisal examined and approved by Richard A. Moore 2/15/2024  
Land Department Date

## STAND HARVEST PRESCRIPTIONS

<b>Timber Sale Name:</b>	Aspen Chunks						
<b>Description:</b>							
<b>RE Code</b>	<b>Sec.</b>	<b>Twp.</b>	<b>Rge.</b>	<b>School</b>	<b>City/Twp</b>	<b>Subd</b>	
340028500	24	148	32	31	Port Hope	SE SE	
340028600	25	148	32	31	Port Hope		
450025200	31	148	31	32	Taylor	NW NW	
<b>Block:</b>	1						
<b>Stand Details</b>							
<b>Section</b>	<b>Township</b>	<b>Range</b>	<b>Timber Type</b>	<b>Acres</b>	<b>Stand Age</b>	<b>NPC</b>	<b>Harv Meth Desc</b>
24	148	32	20	6	89	MHn35	Clear Cut w/Reserves
25	148	32	20	33	89	MHn35	Clear Cut w/Reserves
<b>*NPC</b>	MHn35 - Northern Mesic Hardwood Forest						
<b>Basal Area Information</b>							
<b>Species Code</b>	<b>Species Name</b>			<b>BA</b>	<b>Res BA</b>		
56	Basswood			86	3		
<b>Total BA: 86</b>		<b>Res BA: 3</b>		<b>% BA: 3.49</b>			
<b>Current Site Conditions</b>	Current CTYPE is Northern Hardwood, with SI 58, and overall BA of 86 sq.ft./ac. Stand number 60 is 18 acres of Northern Hardwood that has a BA of 35 sq. ft./ac. This area was thinned in August of 2018. Remove all maple, birch and basswood in this area and reserve all oak.						
<b>Timber Objectives</b>	Clear Cut with Reserves – Even-aged regeneration with some reserves for stand structure, habitat or natural seeding of some species.						
<b>Regeneration</b>	Aspen regeneration will be primary, with some seeding from reserve species and some stump sprouting to add diversity						
<b>Riparian</b>	Filter Strips from adjacent wetlands must be protected from scarification						
<b>Wetlands</b>	Wetland and lowland brush areas are either excluded from the harvest block or protected by ERZ within block. Be sure to minimize scarification in filter strip per BMP guidelines.						
<b>Soil Types</b>	sandy loam						
<b>Wildlife</b>	All dead and den trees and snags will be reserved unless they pose a safety hazard. The reserved species will serve as a mast production for wildlife.						
<b>Common Animals</b>	Harvest design favors WTD, Grouse, Woodcock and other species which use early successional forest part of the year. The bur oak is being reserved as mast production for wildlife.						
<b>Visual Sensitivity</b>	Low - visual sensitivity is low, minimize slash close to roadway						
<b>Natural Heritage</b>	Database was checked and no resources found.						
<b>Cultural Resources</b>	Database was checked and no resources found.						

## STAND HARVEST PRESCRIPTIONS

<b>Block:</b>	<b>2</b>						
<b>Stand Details</b>							
<b>Section</b>	<b>Township</b>	<b>Range</b>	<b>Timber Type</b>	<b>Acres</b>	<b>Stand Age</b>	<b>NPC</b>	<b>Harv Meth Desc</b>
31	148	31	12	3.8	60	MHn44	Clear Cut w/Reserves
<b>*NPC</b>	MHn44 - Northern Wet-Mesic Boreal Hardwood-Conifer Forest						
<b>Basal Area Information</b>							
<b>Species Code</b>	<b>Species Name</b>		<b>BA</b>	<b>Res BA</b>			
52	Aspen, Trembling		90	5			
<b>Total BA: 90</b>			<b>Res BA: 5</b>		<b>% BA: 5.56</b>		
<b>Current Site Conditions</b>	Current CTYPE is Aspen, with SI 71, and overall BA of 90 sq.ft./ac.						
<b>Timber Objectives</b>	Clear Cut with Reserves – Even-aged regeneration with some reserves for stand structure, habitat or natural seeding of some species.						
<b>Regeneration</b>	Aspen regeneration will be primary, with some seeding from reserve species and some stump sprouting to add diversity						
<b>Riparian</b>	Filter Strips from adjacent wetlands must be protected from scarification						
<b>Wetlands</b>	Wetland and lowland brush areas are either excluded from the harvest block or protected by ERZ within block. Be sure to minimize scarification in filter strip per BMP guidelines.						
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# STAND HARVEST PRESCRIPTIONS

## Harvest Methods

### **Clear Cut w/Reserves**

retain marked or designated trees or clumps (Clear Cut)