

Beltrami County NRM Timber Appraisal

2240 40

Appraised By: Nick Ronning Appraisal Date: 03/22/2024	Sale Type: SEALED BID-REGULAR Auction Date: 12/03/2024 Access: Private Access	Appraisal Number: Paddies West Permit Number: 224040 Expiration Date: 05/01/2026
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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>
	1	150	32	32	O'Brien	SE1/4 NE1/4 and NE1/4 SE1/4
	31	151	31	32	Cormant	SE 1/4 SW1/4

<u>Bid</u>	<u>Species</u>	<u>Volume</u>	<u>Units</u>	<u>Unit Price</u>	<u>Value</u>	<u>Comments</u>	<u>Bolt %</u>
Bid	Aspen pulp	585	Cords	\$25.00	\$14,625.00	Cut all Aspen And Balm	
Non-Bid	Ash pulp	100	Cords	\$10.00	\$1,000.00	All species except Aspen and Balm	
					\$15,625.00	Subtotal	
Total Cords: 685 Total MBF: 0					\$15,625.00	Total	
					\$2,343.75	15% Down Payment	

Bid Symbols: Bid = Bid Species; Non-Bid = Non-Bid Species; Area Est. = Sold Area Estimate; AE Non-Bid = Sold Area Estimate & Non-Bid Species
 All species woodsrun unless listed otherwise.

Species Scaled: Ash pulp, Aspen pulp

Species SAE:

Operability: Site is very wet, mucky organic soils. May require advanced tramping to freeze down road: 11/1 - 5/1 Topography: flat Acres: 42	Soil Type: Muck and Loam
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DRAIN

Type: SEALED BID-REGULAR	Acres Cut: 42.00
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Total: 42.00

Harvest Specifications

<u>Access</u>
<ul style="list-style-type: none"> • Latitude/Longitude – Primary access location is Lat. 47.84N, by Long. 94.679W. • Latitude/Longitude – Primary access location is Lat. 47.847N, by Long. 94.867W. • Snowmobile Trail Use – Access use on the snowmobile trail is allowed in the winter. Do not plow the trail bare. Maintain a snow cushion on the trail for that use. Sign the trail 500’ on each side of the use area with caution signs. Do not block the trail with equipment, slash or logs. • 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.

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Cutting and Skidding

- Stay within Boundaries - Unless approved in advance by the Forester, all harvest activities shall be confined to within the marked boundary. DNR land adjacent to harvest area. 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.
- Random Skid and Cut/Trample as much tag alder as possible to promote successful aspen regeneration
Must cut all live BG > 6"DBH, smaller BG loggers choice
20 acre "core aspen area" must cut all Aspen, BG, and Ash to promote Aspen regen. Remainder of sale area, must cut live all live Aspen and BG, remainder is logger's choice: clearcut, strip cut, select cut

Harvest and Reserves

- Boundary Blue Paint - Reserve boundary trees on NE (smaller) Block. Cut Boundary Trees on SW (Larger) Block
- Leave Trees: Birch < 8"DBH and all Cedar, Elm, Oak, Snags
- Avenza Map may be helpful but not required

Landings, Access Roads, and Skid Trails

- Bridge –The bridge off Buckeye Road has been deemed unsafe and is not a viable access point at this time
- General Road/trail BMP - A combination of road drainage BMPs may be applicable, which combined with slash trampling to close the temporary roads to vehicles will provide erosion protection.
- 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.

Other Remarks

Aspen and Ash were the only tree species to hit the cruise. Other species were present in very small numbers. Harvest areas are very wet - sedge and tag alder understory. Basal Areas were variable but the aspen volume consists of nice big tall trees.
There is an Iron Pipe on the cutting boundary of the SW Block. Do not cut horizontal painted trees or damage the monument.

Permits Required

- Written Permission to Bid - Written signed permission from a land owner with viable access must be provided to bid on this sale.

Site, Soil, and Water Protection

- 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 feet of ground. Optional: scattered slash piles (10'x20'x20') 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.

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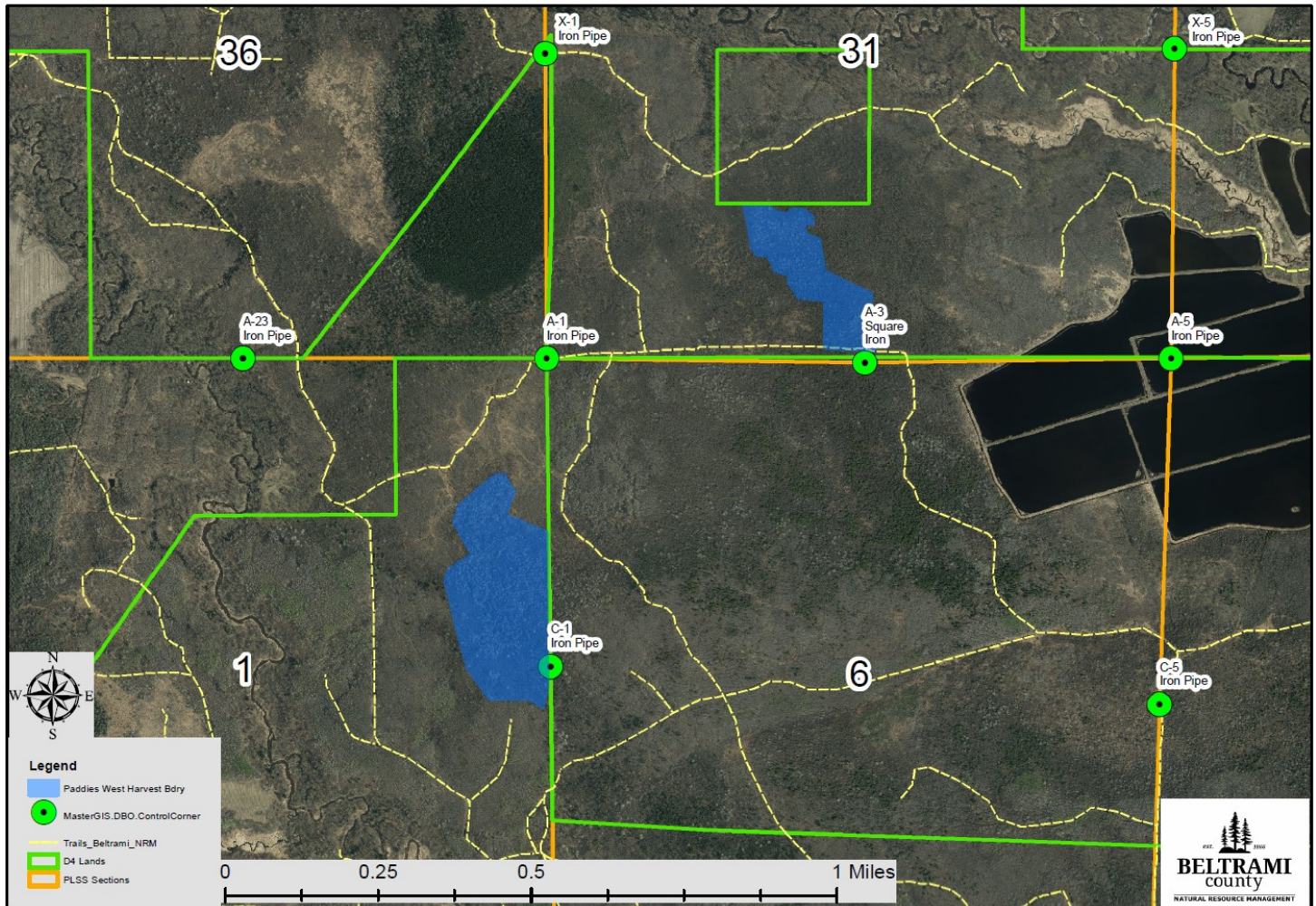
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Site Map:

Paddies West Timber Sale Map

Sec 1 T150-R32 O'Brien TWP and Sec 31 T151 R31 Cormant TWP



Appraisal examined and approved by _____

Forester

_____ Date

Appraisal examined and approved by _____

Land Department

_____ Date

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Paddies West						
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
	1	150	32	32	O'Brien	SE1/4 NE1/4 and NE1/4 SE1/4	
	31	151	31	32	Cormant	SE 1/4 SW1/4	
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
1	150	32	12	29	60	WFn55	Clear Cut
*NPC	WFn55 - Northern Wet Ash Swamp						
No Basal Data							
Current Site Conditions	Current CTYPE is LOWLAND BRUSH, However, it is Mature aspen with tag alder and sedge swamp understory. Overall BA of 75sq.ft./ac. Approximately 60 years old. Estimated 380 cords. 12 Cruise plots tallied only Aspen and Ash but there were other species in very small amounts. Cut everything not reserved. Anything except aspen and BG will be scaled at the Ash rate.						
Timber Objectives	The goal is to capture mature aspen volume and regenerate the site to aspen if possible. Very wet site.						
Regeneration	Natural to Aspen						
Riparian	Riparian harvest in wetland forest - minimize scarification throughout						
Wetlands	Wetland Harvest - the entire harvest block is a forested wetland, minimize scarification throughout, frozen conditions will be necessary						
Soil Types	Hamre Muck and Shooker Loam						
Environmental Impact	Harvest will occur under frozen conditions to minimize impact.						
Wildlife	All dead and den trees and snags will be reserved unless they pose a safety hazard. Project spacing of habitat elements is beneficial to wildlife. Project timing is beneficial to wildlife Reserve clumps - Reserve clumps are maintained at the edge of the stand for habitat connectivity & to help them be wind firm The balsam fir and other understory conifer are being reserved for cover. Scatter slash piles are beneficial to birds and small mammals and are encouraged.						
Visual Sensitivity	There are no visual concerns for this harvest area						
Natural Heritage	Database was checked and no resources found.						
Cultural Resources	Database was checked and no resources found.						

STAND HARVEST PRESCRIPTIONS

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Block:	2						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
31	151	31	1	13	100	WFn55	Clear Cut w/Reserves
*NPC	WFn55 - Northern Wet Ash Swamp						
No Basal Data							
Current Site Conditions	Current CTYPE is ASH, with SI 40, and overall BA of 65 sq.ft./ac. Age is unknown, mix of sizes and ages in stand. 9 cruise plots tallied only Aspen and Ash but other species were present. Must cut all Mature timber within boundary. Optional reserve of smaller timber. There is an abundance of smaller ash poles and saplings in this stand. Reserve Boundary trees. All species except Aspen and BG will be scaled at Ash rate.						
Insect/Disease	EAB - harvest to reduce potential of EAB infestation in Ash						
Timber Objectives	The goal is to promote regeneration of trees other than ash and harvest mature timber before it's lost.						
Regeneration	Natural regeneration						
Riparian	Riparian harvest in wetland forest - minimize scarification throughout						
Wetlands	Wetland Harvest - the entire harvest block is a forested wetland, minimize scarification throughout, frozen and/or snow cover may be necessary						
Soil Types	Hamre Muck and Shooker Loam						
Environmental Impact	Harvest will occur under frozen conditions to minimize impact.						
Wildlife	All dead and den trees and snags will be reserved unless they pose a safety hazard. Project spacing of habitat elements is beneficial to wildlife. Project timing is beneficial to wildlife Reserve clumps - Reserve clumps are maintained at the edge of the stand for habitat connectivity & to help them be wind firm The balsam fir and other understory conifer are being reserved for cover. The reserved species will serve as a mast production for wildlife. Scattered Slash Piles are beneficial to birds and small mammals and are encouraged.						
Visual Sensitivity	There are no visual concerns for this harvest area						
Natural Heritage	Database was checked and no resources found.						
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Harvest Methods

Clear Cut

Harvest all merchantable trees (Clear Cut)

Clear Cut w/Reserves

retain marked or designated trees or clumps (Clear Cut)