

**Beltrami County NRM
Timber Appraisal**

**2240
49**

Appraised By: Corey Campbell	Sale Type: REGULAR AUCTION SALE	Appraisal Number: Erick Lake West
Appraisal Date: 10/01/2024	Auction Date: 12/05/2024	Permit Number: 224049
	Access: Public Access	Expiration Date: 12/05/2026

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>
090001200	1	148	35	31	Buzzle	NE 1/4 of SE 1/4
090001400	1	148	35	31	Buzzle	SE 1/4 of SE 1/4
090001200	1	148	35	31	Buzzle	NE 1/4 of SE 1/4

<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	200	Cords	\$25.00	\$5,000.00		
Bid	Basswood Pulp & Bolts	200	Cords	\$8.00	\$1,600.00		
Bid	Oak pulp	100	Cords	\$8.00	\$800.00	80% bur oak, 20% red oak	
Bid	Birch Pulp & Bolts	100	Cords	\$8.00	\$800.00		
Bid	Maple pulp	40	Cords	\$8.00	\$320.00	95% sugar maple	
AE Non-Bid	Balsam Pulp & Bolts	3	Cords	\$8.00	\$24.00	Includes 1 cord white spruce	

\$8,544.00 **Subtotal**
Total Cords: 643 Total MBF: 0 \$8,544.00 **Total**
 \$1,281.60 **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: Aspen pulp, Basswood Pulp & Bolts, Birch Pulp & Bolts, Maple pulp, Oak pulp
Species SAE: Balsam Pulp & Bolts

Operability: Firm or frozen **Soil Type:** Sandy loam
Topography: flat to slightly rolling
Acres: 28

DRAIN

Type: REGULAR AUCTION SALE **Acres Cut:** 28.00

Total: 28.00

Harvest Specifications

Access
Sale is located north of the Erick Lake Access NW road in Section 1 of Buzzle Township. Approximately 0.5 mile of forest road will need to be constructed to get to sale.
Cutting and Skidding
In gap thinning portion, operator will drive to center tree (marked with 3 orange lines), and cut a roughly 80 foot radius gap.
Harvest and Reserves
Blue paint boundary, natural boundary, and orange painted gap thinning. Sale consists of 3 blocks. Block #1 is a northern hardwood gap thinning, with 0.5 acre gaps. Block #2 is a clearcut with reserves (blue trees). Block #3 is northern hardwood clearcut with reserves (blue trees).

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Landings, Access Roads, and Skid Trails

Existing forest roads run through the area and near the sale. Very old skid trail/user created ATV trail will need to be improved to access sale and for hauling. County will provide 150 yards of gravel for road improvement.

Site, Soil, and Water Protection

Many wetlands surrounding sale but main portions of sale blocks are on high ground. Block #3 will require crossing small seasonal drainage on slash mats or corduroy.

Slash Disposal

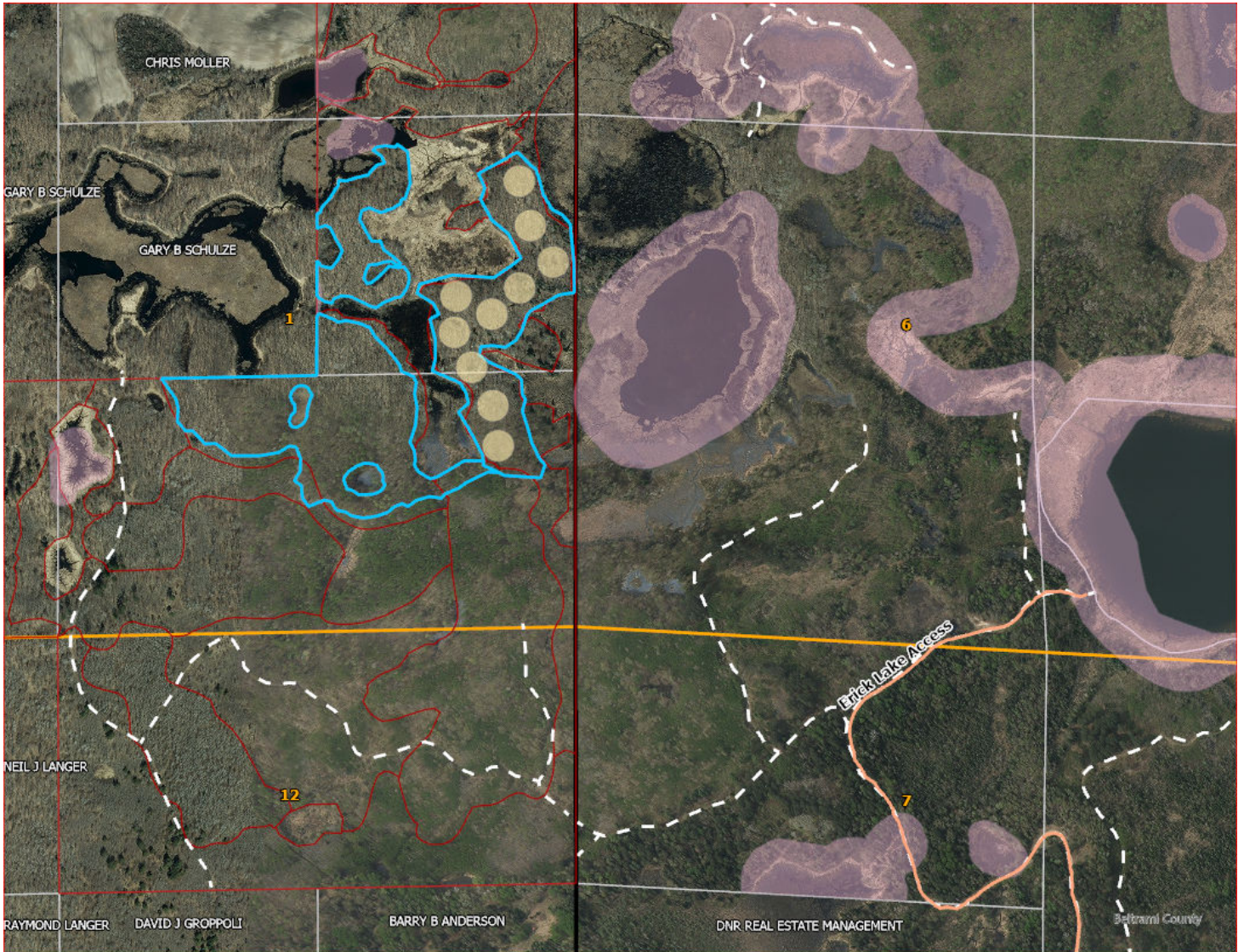
Scatter slash.

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Site Map:



Appraisal examined and approved by _____
Forester Date

Appraisal examined and approved by _____
Land Department Date

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Erick Lake West					
Description:						
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd
090001200	1	148	35	31	Buzzle	NE 1/4 of SE 1/4
090001400	1	148	35	31	Buzzle	SE 1/4 of SE 1/4
090001200	1	148	35	31	Buzzle	NE 1/4 of SE 1/4

Block:	1
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Stand Details	
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Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
1	148	35	20	16	76	MHn35	Clear Cut w/Reserves
1	148	35	20	16	87	MHn35	Clear Cut w/Reserves
1	148	35	20	16	64	MHn35	Group Selection

*NPC	MHn35 - Northern Mesic Hardwood Forest
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No Basal Data

Current Site Conditions	Current CTYPE is northern hardwoods, with SI 57, and overall BA of 125 sq.ft./ac.
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Timber Objectives	Stand is 64 year-old northern hardwoods consisting of bur oak, basswood, red oak, aspen, paper birch, sugar maple, red maple, and a very small component of ash. The silvicultural objective is a gap thinning in this middle-aged hardwood stand, to further its diversity, and longevity through uneven aged management. This particular site is difficult to access and has not been managed in recent times. The stand, and area in general, would benefit from some management.
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Regeneration	Harvest gaps will regenerate from aspen root suckering, stump sprouting in hardwood species, and some advance regeneration is present in oak and sugar maple species especially.
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Wetlands	No wetlands present within sale block. Many wetlands surrounding sale, gap thinning will not affect many of the riparian areas.
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Soil Types	Morph fine sandy loam. Rosy sandy loam.
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Environmental Impact	Harvest will occur under firm or frozen conditions to minimize impact.
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Wildlife	Sale is far off of main roads, is surrounded by wetlands, and has not seen any disturbance for a long time. Many wildlife species will benefit from diversifying the age and species of the harvest area, while maintaining a cohort of older trees.
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Natural Heritage	Database was checked and no resources found.
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Cultural Resources	Database was checked and no resources found.
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Block:	2
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Stand Details	
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*NPC	
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No Basal Data

Current Site Conditions	Current CTYPE is aspen, with SI 62, and overall BA of 110 sq.ft./ac.
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STAND HARVEST PRESCRIPTIONS

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Timber Objectives	Stand is 76 year-old aspen and northern hardwoods consisting of bur oak, red oak, aspen, paper birch, sugar maple, red maple, and a very small component of ash. The silvicultural objective is a clearcut with reserves to encourage stump sprouting and release of advance regeneration present. Reserve hardwood species have been selected based on form and spacing to provide some shade for younger regeneration.
Regeneration	Stand will regenerate from aspen root suckering, stump sprouting in hardwood species, and some advance regeneration is present in oak and sugar maple species especially.
Wetlands	Two small wetlands within sale are painted out. Many wetlands surrounding sale. Sale design and paint line is set back 50 feet average along the east edge of this block.
Soil Types	Rosy sandy loam
Environmental Impact	Harvest will occur under firm or frozen conditions to minimize impact.
Visual Sensitivity	None
Natural Heritage	Database was checked and no resources found.
Cultural Resources	Database was checked and no resources found.
Block:	3
Stand Details	
*NPC	

No Basal Data

Current Site Conditions	Current CTYPE is aspen, with SI 53, and overall BA of 130 sq.ft./ac.
Timber Objectives	Stand is 87 year-old northern hardwoods consisting of bur oak, basswood, sugar maple, red maple, and ash. The silvicultural objective is a clearcut with reserves to encourage stump sprouting and release of advance regeneration present. Reserve hardwood species have been selected based on form and spacing to provide some shade for younger regeneration.
Regeneration	Stand will regenerate from stump sprouting in hardwood species, and some advance regeneration is present in oak and sugar maple species especially.
Wetlands	No wetlands present within sale boundary. Many wetlands surrounding sale.
Soil Types	Rosy sandy loam
Environmental Impact	Harvest will occur under firm or frozen conditions to minimize impact.
Visual Sensitivity	None
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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Harvest Methods

Clear Cut w/Reserves

retain marked or designated trees or clumps (Clear Cut)

Group Selection

cut the marked areas for gaps (Group Selection)