Beltrami County NRM Timber Appraisal

Page: 1 of 3

Appraised By:

Sale Type:

Appraisal Number: Balsam Ridge 40

Corey Campbell **Appraisal Date:** REGULAR AUCTION SALE Auction Date: 04/04/2024

Permit Number: 224008

01/25/2024

Access:

Public Access

Expiration Date: 04/30/2027

Legal Description

RE Code	<u>Sec.</u>	Twp.	<u>Rge.</u>	<u>School</u>	City/Twp	<u>Subd</u>
200012700	12	146	35	31	Jones	SE 1/4 of NE 1/4
150016300	7	146	34	31	Grant Valley	NW 1/4 of SW 1/4

150016300	/	146	34	31 Grant Va	alley NW 1/4 of SW 1/4		
Block 1 Species	<u>Volume</u>	<u>Units</u>	Unit Price	<u>Value</u>	Comments	Bolt %	<u>Bid</u>
Aspen pulp	450	Cords	\$25.00	\$11,250.00	~10% BAM. 2-6 stick, 5-20" DBH		۸
Mixed Hardwoods	35	Cords	\$10.00	\$350.00	90% ash, small amount of birch		+
Balsam Pulp & Bolts	50	Cords	\$10.00	\$500.00	Inlcudes 1 cord of White Spruce		*
Tamarack pulp	1	Cords	\$4.00	\$4.00	Incidentals and access to Block #2		*

\$12,104,00

Subtotal

Total Cords: 536 Total MBF: 0

\$12,104.00 Total

\$1,815.60

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:

Aspen pulp

Species SAE:

Balsam Pulp & Bolts, Mixed Hardwoods, Tamarack pulp

Operability:

Frozen only, winter.

Soil Type:

Organic

Topography:

flat

Acres:

29

DRAIN

Type:

REGULAR AUCTION SALE

Acres Cut:

29.00

Total: 29.00

Harvest Specifications

Access

Sale is located in Jones township just south of CSAH 16 and east of Balsam Ridge Road. Can be accessed from Balsam Ridge Road in winter with existing forest roads. Private access through Spruce Shadows Inc. property of the end of Shamrock Ct. and Otter Tail Power ROW would be shortest. Coordinates: -95.057582 47.479676

Cutting and Skidding

Sale is an aspen clearcut with reserves. Cut all species listed on appraisal. Diameter limit on Ash, only cut trees >8", leaving approximately half the ash for hydrology. Reserve clumps of non-merchantable ash, birch, and balsam where possible.

Harvest and Reserves

Blue paint boundary. Reserve all pine, oak species, dead, den trees, and non-hazardous snags.

Landings, Access Roads, and Skid Trails

Access road is public and runs along west edge of sale. Two old landing areas within the sale block can be utilized.

Beltrami County NRM Timber Appraisal

Page: 2 of 3

Appraised By:

Sale Type:

Appraisal Number: Balsam Ridge 40

Corey Campbell

REGULAR AUCTION SALE

Permit Number:

Appraisal Date:

Scatter slash.

Auction Date: 04/04/2024

Expiration Date: 04/30/2027

01/25/2024

Access: **Public Access**

Site, Soil, and Water Protection

RMZ in southwest corner along beaver pond, is flagged in pink. Only harvest aspen within RMZ. Block#2 and small portion of old aspen along west edge may require slash mats to access across low areas.

Slash Disposal	
Ciccii Dioposai	

Beltrami County NRM Timber Appraisal

Page: 3 of 3

Appraised By: Sale Type:

Corey Campbell **REGULAR AUCTION SALE Appraisal Date:** Auction Date: 04/04/2024

01/25/2024 Access: **Public Access** Appraisal Number: Balsam Ridge 40

Permit Number:

Expiration Date: 04/30/2027

Site Map:



Appraisal examined and approved by

Appraisal examined and approved by

Forester

Land Department

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Balsam R	Ridge 40	n Hun	My			
Description:					HEDRY		
RE Code	Sec.	Twp.	Rge.	School	City/Twp		Subd
200012700	12	146	35	31	Jones		SE 1/4 of NE 1/4
150016300	7	146	34	31	Grant Valley		NW 1/4 of SW 1/4
Block:	1						
Stand Details							
Section Townshi	p Rang	je Timb	er Type	Acres	Stand Age	NPC	Harv Meth Desc
12 146	35		12	19	68	MHn46	Clear Cut w/Reserves
*NPC	MHn46 - I	Northern V	Vet-Mesi	: Hardwo	od Forest		
No Basal Data							
Conditions	an average balsam fir over the ywith some area control to have be	ge age of 6 and cons ears. The bur oak a aining son	64 years. ist of larg re is a 6-a and ash th ne older to ged recer	Two large e diamete acre pock nroughout amarack ntly, other	e pockets of oler, lower densiet of 49 year-ct. Significant aand black spruthan the smal	der aspen that aspen the description description description to the description descriptio	various age, size, and density with have a significant component of nat has self-thinned or blown down hat is of uniform size and density Im and ash along the fringe of a wet mostly dead. Stand does not appear younger aspen, and is suffering
Timber Objectives	reserves o Reserving diameter l	of hardwoo g oak spec limit on as	od specie ies will pi h and res	s should rovide see serving elr	regenerate the ed source for r	e site in a m egeneratio	lder aspen and balsam fir with nore uniform, even-aged manner. n and mast for wildlife. Harvest al area and prevent swamping or
Regeneration	Aspen roo	ot suckerin	g will reg	enerate t	he stand.		
Riparian	Southwes aspen wit		f sale cor	ntains and	RMZ along b	eaver flowa	age is flagged in pink; only harvest
Wetlands	will proted aspen alo	ct site, blue ing the ext	e paint bo	oundary lie stern edge	es at edge of r e of sale is sur	nerchantab rounded by	a wetland, frozen only operations ble timber. Small 1-acre stand of old y low, wet ground. Frozen only ised to cut and skid adequately.
Soil Types	Northwood muck, Deerwood muck, Markey muck						
Environmental Impact	Harvest w	vill occur u	nder froz	en conditi	ons.		
Visual Sensitivity	There are	no visual	concerns	for this h	arvest area.		
Natural Heritage	Database	was chec	ked and i	no resour	ces found.		
Cultural Resources	Database	was chec	ked and i	no resour	ces found.		

STAND HARVEST PRESCRIPTIONS

Block:		2							
Stand Deta	ails								
Section	Townshi	p Range	Harv Meth Desc						
7	146	34 12 4 46 WFn64 Clear Cut w/Reserves							
*NPC		WFn64 - Northern Very Wet Ash Swamp							
No Basal Da	ata								
Current Sit		Current CTYPE is aspen, with SI 80, and overall BA of 110 sq.ft./ac.							
Timber Ob	jectives	Stand is 46 year-old aspen with a component of balsam fir and brich. The silvicultural objective is a clearcut with reserves.							
Regenerati	ion	Aspen root suckering will regenerate the stand.							
Wetlands		No wetlands present within sale boundary but many low-lying wet areas surround the sale.							
Soil Types		Meehan loamy sand, Markey muck							
Environme Impact	ental	Harvest will occur under frozen conditions.							
Visual Sen	sitivity	There are no visual concerns for this harvest area.							
Natural He	ritage	Database wa	s checked and n	o resourc	es found.				
Cultural Re	esources	Database wa	s checked and n	o resourc	es found.				

STAND HARVEST PRESCRIPTIONS

	4	44.0	41	
Harv	est.	Me	etna	ods

Clear Cut w/Reserves

retain marked or designated trees or clumps (Clear Cut)

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