

## Beltrami County Natural Resource Management Timber Appraisal Report

Project Plan #	FH-20-810	TSM Permit #	220024	Bid Type:	Oral	Access:
Township	Lammers	Ownership:	Tax forfeit	Public		
Expiration Date	3/31/2023	Sale Duration:	31 months	Season:		
Forester	Nick Ronning	Appraisal Date	3/26/2020	Frozen		

Quarter	NE - SE	Section	24	Township	147	Range	35	Location:
Quarter	-	Section		Township		Range		Lat. (NDD.dddd°)
Quarter	-	Section		Township		Range		N 47.5331
Quarter	-	Section		Township		Range		Long. (WDD.dddd°)
Reserve Trees	See PPI							W 95.0574
Sale boundaries	Blue Paint							



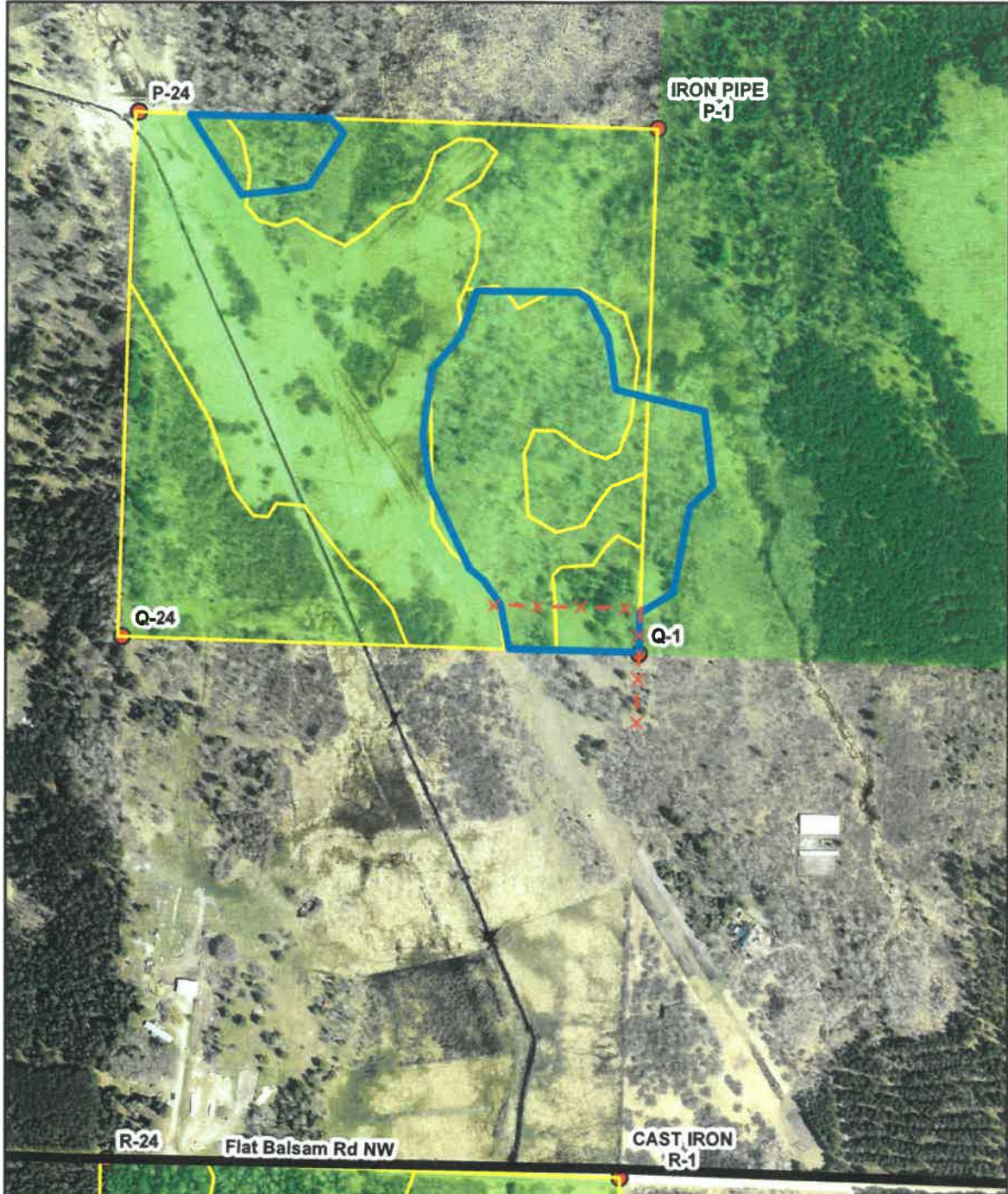
Cover Type	Harvest Acres	Treatment Method
12-Aspen	7	Full Harvest
14-Balm of Gilead	4	Full Harvest
53-Jack pine	1	Full Harvest
Visual Sensitivity	Low	
Management Actions to Address Visual Sensitivity		

Timber Appraisal				
Code	Species	Product/Unit	Volume	Price/Unit
+	Aspen	Pulp & Bolts/Cords	75	20
*	Jack pine	Pulp & Bolts/Cords	10	10
*	Dead JP	Pulp/Cords	1	4
*	White spruce	Pulp/Cords	5	10
<b>Total price (calculated in TSM)</b>				<b>\$ 1,654</b>
<i>Codes: + Area estimate, * Non-bid area estimate, blank scaled, # Non-bid scaled</i>				

Land Commissioner Review
RAM 5/26/2020
GIS Inventory Updated
PP&I Updated

Additional Comments: Loggers should inspect sale prior to bidding to determine pricing, volume, and operability. Harvest area is variable in volume and tree size, resulting in a cruise with high variability. Logger may choose to reserve small diameter spruce and balsam, and clumps of small diameter aspen. Spruce volume includes incidental Balsam Fir.

# Section 24 T147 R35 Lammers Township



### Legend

- × - × - Fence
- Flat Balsam Harvest Boundary
- Corners
- Roads
- COUNTY\_LANDS



## Project Planning and Instructions to Contractor(s)

**Project ID** FH-20-810

**Flat Balsam RD**

**Primary Contractor:**

**Secondary Contractor:**

**Forester:** Nick Ronning

### PROJECT

**Overall Site Objectives:** Harvest poor quality and poorly stocked 2nd growth aspen in order to regenerate stand with better quality and fully stocked aspen via coppice cutting. Frozen Ground harvest only due to low wet site and to promote best regeneration possible.

**Management Objectives:**

Stand	Objectives	Acres
All	Clearcut under frozen ground conditions due to low wet site and to maximize regeneration in poorly stocked 2nd growth aspen. Reserve White Pine, Oak, and Snags.	17.2

**Timing:** Frozen ground only

**Legal Description:**

Stand ID	Township	Range	Section	Quarter
147352463	147	35	24	NESE
147352462				
147352460				

**Timing Additional Instructions:** All Jack Pine must be removed from site by June 1 to comply with Bark Beetle Prevention Techniques.

**Equipment Considerations:** Dozer will probably be needed to build and freeze down road and skid trail regardless of access chosen

**Site Access:** Public

**Site Access Addit'nl Instructions:** Harvest area includes one acre of an ag lease that is currently fenced. Contractor will have to cut fence to access sale and repair fence after harvest. Access from the east across County Land, or North via State Land, or South via Private Land.

**Site Geography:** Sandy  Loamy  Clay  Organic  Rock Outcrop  Stony

**Dominant Terrain:** Level

**Soils Terrain Add'nl Instructions:** Site is low and wet with tag alder mixed in.

### HARVEST SPECIFICATIONS

**Number of Landings:** 2

**Average Size of Landings:** 10000

**Landing Location:** Upland

**Landings Addit'nl Instructions:** Landings may end up in frozen forested wetlands due to lack of topography

**Skid Trail Add'ni Instructions:** Site must be fully frozen to prevent rutting.  
Average Stump Height Must be Less Than 12 Inches!  
All Non Reserved Merchantable Wood Must be Utilized!

**Utilization Add'nl Instructions:** Slash Must be Scattered over the Harvest Area!

**Slash Additional Instructions:**

### ROADS AND WATER CROSSINGS

**Road Design:** Winter **Road Type:** Temporary access

**Road Status Post Project:** Closed

**General Comments:**

**Post Activity Road Work:**

**Responsibility:** Contractor

**Road Status Add'nl Instructions:**

### RMZs AND FILTER STRIPS

**RMZ General Comments:** No open water wetlands. Frozen sale. Flat topography. Soil disturbance and erosion risk minimal.

### Wildlife Considerations



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<b>T + E Species Present.....</b>	None Found
<b>Other Wildlife Species of Concern:</b>	grouse and woodcock
<b>Protective Measures:.....</b>	regenerate aspen and tag alder to create young early successional habitat preferred by these birds Database Checked No new identified species on site.
<b>Other Wildlife Elements:.....</b>	Timing of activity, where timing is beneficial to wildlife. Food sources reserved. Physical spacing of activities, where spacing is beneficial to wildlife.
<b>Leave Tree Snags.....</b>	Leave All Snags EXCEPT Safety Hazards! Leave All Snags Except Visual Not Applicable. Leave All Snags EXCEPT those with Insects or Disease Not Applicable.
<b>Leave Tree Instructions:.....</b>	Reserve all oak. Reserve birch <6" DBH if found. Smaller balsam and spruce may be reserved. Clumps of submerchantable sized aspen may be reserved Coarse Woody Debris Per Acre Not Applicable. Scattered Leave Trees Not Applicable. Understory Conifer Retention Not Applicable. Maintain Oak and Other Mast (Cherry, Mountain Ash, Elderberry, etc.)! Reserve Den Trees!
<b>General - Leave Trees/Snags:.....</b>	No General Snags and Leave Trees Comments.

## VISUAL SENSITIVITY

<b>Database Checked:.....</b>	Yes
<b>Visual Sensitivity of Site:.....</b>	Low

## CULTURAL SITES

<b>Database Checked:.....</b>	Yes
<b>Conservation Plan:.....</b>	No conservation management plan in place at this time.
<b>Feature Present:.....</b>	
<b>New Identified on Site &amp; Mapped:..</b>	No





