

Beltrami County NRM Timber Appraisal

225001

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Appraised By: Clayton Marcott	Sale Type: SEALED BID-REGULAR	Appraisal Number: Kampa Aspen and Ash
Appraisal Date: 02/05/2025	Auction Date: 04/01/2025	Permit Number: 225001
	Access: Private Access	Expiration Date: 04/01/2027

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>
100019400	17	151	31	36	Cormant	NW 1/4 of NE 1/4
100019400	18	151	31	36	Cormant	NW 1/4 of NE1/4
100018700	17	151	31	36	Cormant	NE 1/4 of NW 1/4
100018600	17	151	31	36	Cormant	SE 1/4 of NE 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	795	Cords	\$25.00	\$19,875.00		
Bid	Balsam pulp	59	Cords	\$8.00	\$472.00		
Bid	Ash pulp	228	Cords	\$10.00	\$2,280.00	Reserve Ash <8" DBH	
Bid	Balm of Gilead pulp	34	Cords	\$25.00	\$850.00		
Bid	Black Spruce	42	Cords	\$10.00	\$420.00		
Non-Bid	Tamarack pulp	5	Cords	\$4.00	\$20.00	Very intermittent.	
Non-Bid	Birch pulp	59	Cords	\$10.00	\$590.00	Reserve Birch < 6" DBH.	
					\$24,507.00	Subtotal	
Total Cords: 1,222 Total MBF: 0					\$24,507.00	Total	
					\$3,676.05	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, Balm of Gilead pulp, Balsam pulp, Birch pulp, Black Spruce, Tamarack pulp

Species SAE:

Operability:	Winter under frozen conditions.	Soil Type:	loamy Fine Sand, Muck
Topography:	flat		
Acres:	67.5		

DRAIN

Type:	Acres Cut:
SEALED BID-REGULAR	67.50

Total: 67.50

Harvest Specifications

<u>Access</u>
• 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. Sale is private access and is located North of Wildflower Lane NE in Sections 17 and 18 of Cormant Township.

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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. Access roads, skid trails and landing areas proposed for use outside the harvest boundary must be approved prior to use. Failure to comply with these requirements may be subject to a \$100 penalty per incident.

• Skid trail out of wetland – Locate all skid trails out of wetland areas

• Stumps – Average stump heights below 12" and as low as possible.

Mainly Aspen clearcut and Ash thin w/reserves.

Harvest and Reserves

Blue paint boundary. Aspen clearcut and Ash thin with reserves. Reserve all White Cedar, Conifer Understory, Elm, Paper Birch under 6", Ash under 8", den trees, and non-hazardous snags. Note: Some White Cedar may need to be harvested in Block 4 to gain access to other species.

Landings, Access Roads, and Skid Trails

• Landings Approved – Locations will be determined during a walk-through with the bid winner and must be approved by the Forester. Sale plan includes 4 landings.

• Skid Trail Rehab. - All skid trails shall be closed by trampling logging slash on the surface. Special attention shall be given to trails approaching draw bottoms, drainage ways, streams, lakes and wetlands to provide surface drainage and erosion protection.

Site, Soil, and Water Protection

• Intermittent streams – small intermittent streams less than 3' wide are in the project area. Crossings may be frozen or dry and firm. Slash, mats or corduroy must be approved by Forester. Use must not damage bed, banks or flow cross sections.

• 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.

• Small wetlands –there are numerous small wet areas inside, adjacent to and between harvest areas. Frozen operations required. Limited use of mats or corduroy must be approved by Forester.

Small seasonal wetlands painted out in blocks 2, 3, & 4.

Slash Disposal

•Block 4- Slash in Woods – Trees to be limbed and topped in the woods more-or-less where they are felled. No whole tree skidding with slash return skidded allowed, to reduce damage to trail side trees and the excess accumulation of slash at landings.

In blocks 1, 2, & 3, slash can be scattered and randomly placed in small piles for wildlife.

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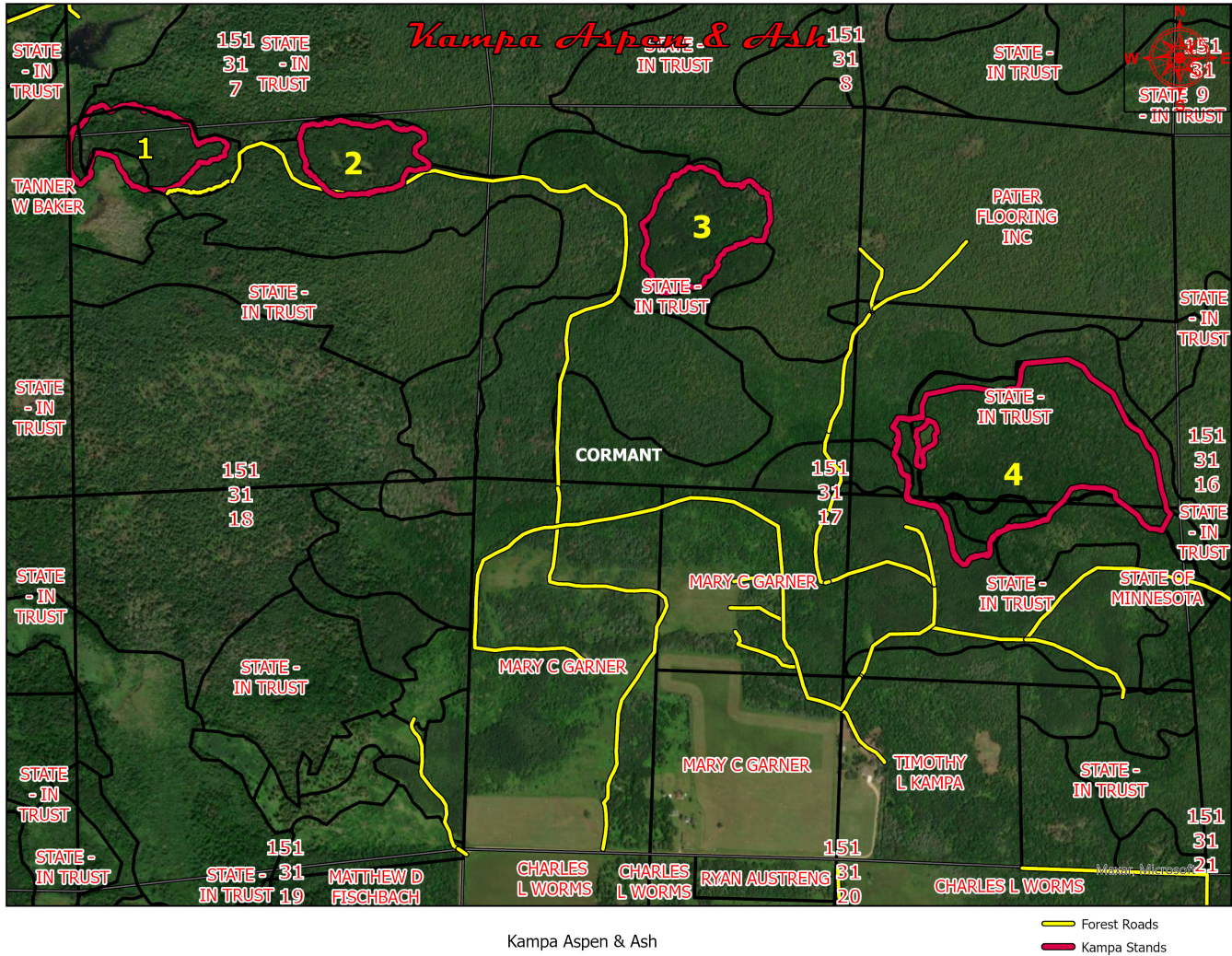
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Site Map:



Appraisal examined and approved by

Forester

Date

Appraisal examined and approved by

Land Department

Date

STAND HARVEST PRESCRIPTIONS

Timber Sale Name:	Kampa Aspen and Ash						
Description:							
RE Code	Sec.	Twp.	Rge.	School	City/Twp	Subd	
100019400	17	151	31	36	Cormant	NW 1/4 of NE 1/4	
100019400	18	151	31	36	Cormant	NW 1/4 of NE1/4	
100018700	17	151	31	36	Cormant	NE 1/4 of NW 1/4	
100018600	17	151	31	36	Cormant	SE 1/4 of NE 1/4	
Block:	1						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
17	151	31	12	10	48	FPn63	Clear Cut w/Reserves
*NPC	FPn63 - Northern Cedar Swamp						
Basal Area Information							
Species Code	Species Name				BA	Res BA	
52	Aspen, Trembling				56	0	
55	Balsam Fir				2	0	
50	Ash, Black				17	1	
57	Birch, Paper				2	0	
Total BA: 77		Res BA: 1		% BA: 1.3			
Current Site Conditions	Current CTYPE is Aspen, with SI 63, and overall BA of 77 sq. ft./ac.						
Timber Objectives	Clear Cut with Reserves – Even-aged regeneration with some reserves for stand structure, habitat or natural seeding of some species. Stand is 37 years old, fairly homogenous, with intermittent Balsam Fir, Black Ash, and Paper Birch. Goal is to thin out mature Ash and Aspen for wildlife habitat and EAB management while leaving small Paper Birch. Stand is surrounded by wetlands and Cedar bogs.						
Regeneration	Aspen regen will be primary and all cut species should regenerate naturally.						
Riparian	Filter Strips from adjacent wetlands must be protected from scarification.						
Wetlands	RMZ present on the North and West sides of stand. Blue paint boundary follows RMZ edge with Alders, Willow, and reserved Black Ash buffer.						
Soil Types	loamy fine sand. Well drained. Runoff moderately low. Permeability is moderate in the majority of the stand while low in the North and West edges.						
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 has specific design to favor grouse species.						
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

Block:	2						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
18	151	31	12	8.5	44	FPn63	Clear Cut w/Reserves
*NPC	FPn63 - Northern Cedar Swamp						
Basal Area Information							
Species Code		Species Name			BA		Res BA
52		Aspen, Trembling			85		0
55		Balsam Fir			6		0
Total BA: 91		Res BA: 0			% BA: 0		
Current Site Conditions	Current CTYPE Aspen, with SI 48, and overall BA of 90 sq. ft./ac.						
Timber Objectives	Clear Cut with Reserves – Even-aged regeneration with some reserves for stand structure, habitat or natural seeding of some species. Stand is 44 years old, fairly homogenous, with intermittent Balsam Fir, and Black Ash.						
Regeneration	Aspen regeneration will be primary, with some seeding from reserve species and some stump sprouting to add diversity.						
Riparian	No riparian zones within this stand.						
Wetlands	Small seasonal wetland painted out within stand.						
Soil Types	GIS inventory states Deerwood Muck as the soil type, but soil is more than likely a loamy fine sand with moderate permeability.						
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.						
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

Block:	3						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
17	151	31	12	12	50	FPn63	Clear Cut w/Reserves
*NPC		FPn63 - Northern Cedar Swamp					
Basal Area Information							
Species Code		Species Name			BA		Res BA
52		Aspen, Trembling			93		0
55		Balsam Fir			8		0
54		Balm of Gilead			1		0
57		Birch, Paper			1		0
Total BA: 103		Res BA: 0			% BA: 0		
Current Site Conditions		Current CTYPE is Aspen, with SI 85, and overall BA of 106 sq.ft./ac.					
Insect/Disease		Looks to have Spruce Budworm present.					
Timber Objectives		Clear Cut with Reserves – Even-aged regeneration with some reserves for stand structure, habitat or natural seeding of some species. Stand is 50 years old fairly homogenous, with intermittent Balsam Fir, Black Ash, Balm, and Paper Birch. Goal is to open up the stand for wildlife and curb any Spruce Budworm infestation.					
Regeneration		Aspen regen will be primary and all cut species should regenerate naturally.					
Riparian		No RMZ within this stand.					
Wetlands		Small seasonal wetland is painted out.					
Soil Types		Northwood muck. Again, this stand is more than likely a majority of loamy fine sand with intermittent muck.					
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.					
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

Block:	4						
Stand Details							
Section	Township	Range	Timber Type	Acres	Stand Age	NPC	Harv Meth Desc
17	151	31	12	37	48	FPn63	Clear Cut w/Reserves
*NPC	FPn63 - Northern Cedar Swamp						
Basal Area Information							
Species Code	Species Name			BA	Res BA		
50	Ash, Black			25	1		
74	Tamarack			2	0		
57	Birch, Paper			8	1		
60	Cedar			9	9		
52	Aspen, Trembling			21	0		
55	Balsam Fir			3	0		
58	Black Spruce			4	1		
54	Balm of Gilead			3	0		
63	Elm			2	2		
Total BA: 77		Res BA: 14		% BA: 18.18			
Current Site Conditions	Current CTYPE is Aspen, with SI 70, and overall BA of 74 sq.ft./ac.						
Timber Objectives	Clear Cut with Reserves – Even-aged regeneration with some reserves for stand structure, habitat or natural seeding of some species. Stand is primarily mixed hardwoods with White Cedar, Black Ash, Black Spruce, Paper Birch, Tamarack, Balsam Fir, Balm, and intermittent Elm. Goal is to take out the over-mature Aspen and thin out the Black Ash to open up parts of the stand for wildlife and manage EAB.						
Regeneration	All cut species should regenerate naturally with Aspen regen being primary in the more open areas.						
Riparian	RMZ present along the South edge of stand along a natural drainage.						
Wetlands	Wetland Harvest - the entire harvest block is a forested wetland, minimize scarification throughout, frozen and/or snow cover is necessary.						
Soil Types	Hamre muck. Low drainage with low permeability throughout.						
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.						
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

Harvest Methods

Clear Cut w/Reserves

retain marked or designated trees or clumps (Clear Cut)