



Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33104

Entry Year 2027

Acreage: 605

County: Delta

Management Area: Menominee-Marquette

Stand Examiner: George Wilson

Legal Description:

T42N, R22W, SEC. 25 & 36.

Identified Planning Goals:

This compartment is accessed through USFS land predominately. Treatments proposed for this compartment are 159 acres of lowland spruce clearcuts. We will have to get access from the USFS to harvest these stands. Due to a snowmobile trail running through federal property, we may only be able to cut this stand in the summer.

Soil and topography:

Major soil series within this compartment are: Rousseau and Trenary on the uplands, with Tawas, Dawson and Greenwood peats on the lowland. Terrain is varied with large low wet areas divided by sandy ridges.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

USFS adjoins this compartment on the east side. Private ownership to North, south and west.

Unique Natural Features:

USFS Rapid River Ski Trail is located just to the east of the compartment with some of the trail located within this compartment.

Archeological, Historical, and Cultural Features:

N/A

Special Management Designations or Considerations:

N/A

Watershed and Fisheries Considerations:

Surface sediments consist of medium-textured glacial till and lacustrine (lake) sand and gravel. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Trenton Limestone underlies the glacial drift. The Trenton is quarried for stone to the south, north of Rapid River and may overlap Precambrian aged rocks which may have metallic and nonmetallic mineral potential. This Compartment has not been previously leased for metallic exploration. Gravel pits are located in Section 23 and there appears to be potential. No economic oil and gas production has been found in the UP, although a recent well was drilled and cased for testing in Schoolcraft County.

Wildlife Habitat Considerations:

This is a diverse compartment with a matrix of lowland and upland cover types, following frequent changes in elevation throughout the compartment. Clearcuts are planned in spruce types, lowland hardwoods, and upland mixed hardwoods during this year of entry. Retention of trees important to wildlife is a goal in these stands. In general, open canopied conditions created by these harvests will likely benefit featured species such as White-tailed Deer, Wild Turkey, and Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The closest active sand/gravel operation is roughly one mile south of the compartment. The compartment consists predominantly of low wetlands, which would inhibit surface mining, but some small sand dunes occur in the compartment that offer some limited potential for development of aggregate resources in the compartment. A portion of a cross-country ski trail appears to be located on one of these dune ridges in Sec 25. Relatively little is known of the subsurface geology beneath the compartment. Some past test drilling for iron ore occurred one mile west of the compartment. While there may be potential for rock bearing iron or other metallic and critical minerals beneath the compartment, they would occur at depths exceeding 500 feet and any mineral concentrations may not have significant economic value. There is no current leasing activity involving State-owned mineral rights in the area. Potential for commercial development of metallic minerals from beneath the compartment is considered low at this time.

Vehicle Access:

Most of this area has been gated to the North and east by the USFS to protect the ski trail. The west side is gated by the City of Gladstone.

Survey Needs:

Some survey corners will likely be needed in this compartment.

Recreational Facilities and Opportunities:

Hunting and trapping and cross country skiing.

Fire Protection:

There is potential for fire within this compartment during the spring and if drought conditions occur. With limited access, it could allow the fire to grow should a fire get started. The large areas of spruce, treed bogs and pine could cause a fire to have extended mop up work during drought conditions.

Additional Compartment Information:**The following reports from the Inventory are attached:**

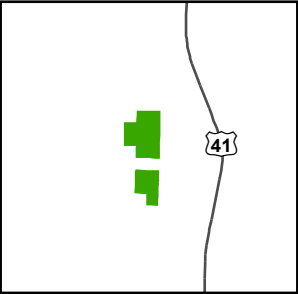
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

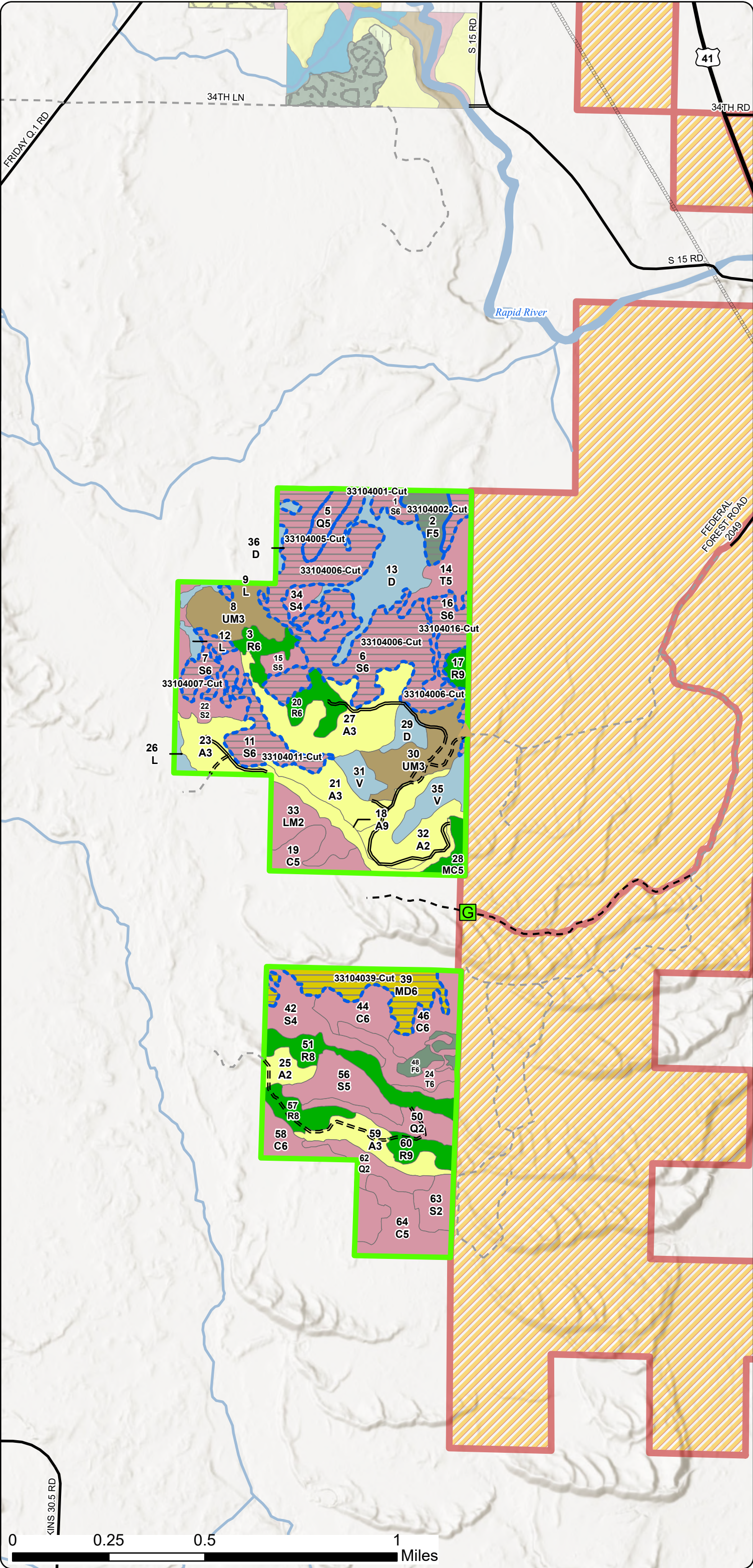
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 33104
T42N, R22W, SEC. 25 & 36
County: Delta
Unit: Escanaba
Mgmt. Area: Menominee-Marquette
YOE: 2027
Acres: 605.41 GIS Calculated
Examiner: George Wilson
Date Exported: 12/12/2025
Map Phase: Post Review

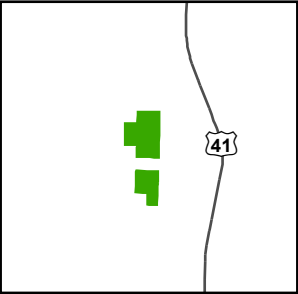


- Berm
- Gate
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Openings Mgmt.
- Monitoring - Regeneration
- 413 - Aspen
- 419 - Mixed Upland Decidous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 622 - Lowland Shrub

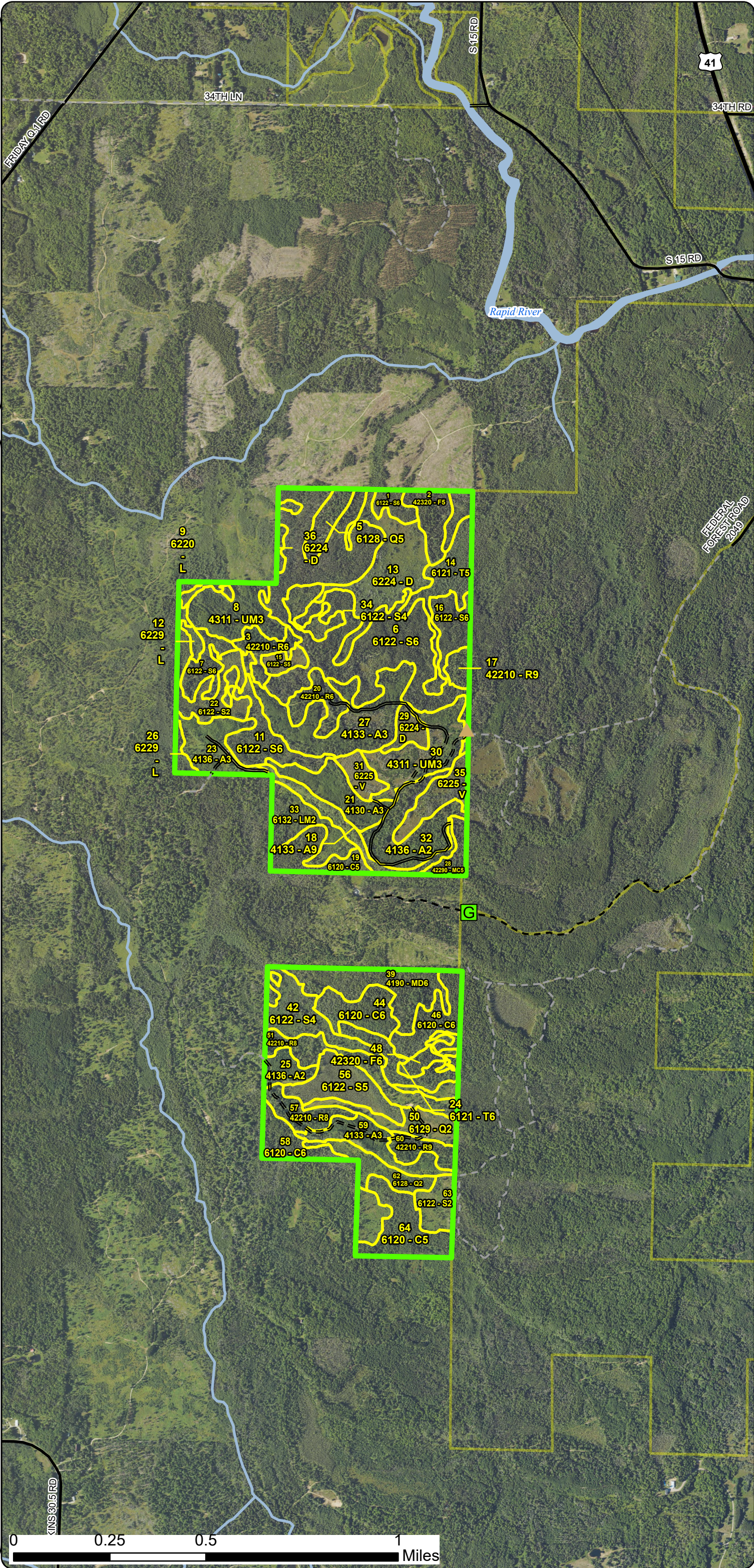


Stand Boundary
Map

Compartment: 33104
T42N, R22W, SEC. 25 & 36
County: Delta
Unit: Escanaba
Mgmt. Area: Menominee-Marquette
YOE: 2027
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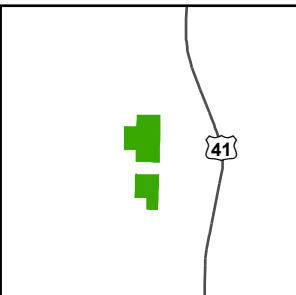


- Berm
- Gate
- Pipeline
- Compartment Boundary
- Stand Outline
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 622 - Lowland Shrub

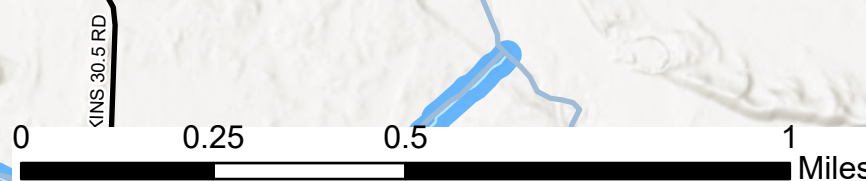
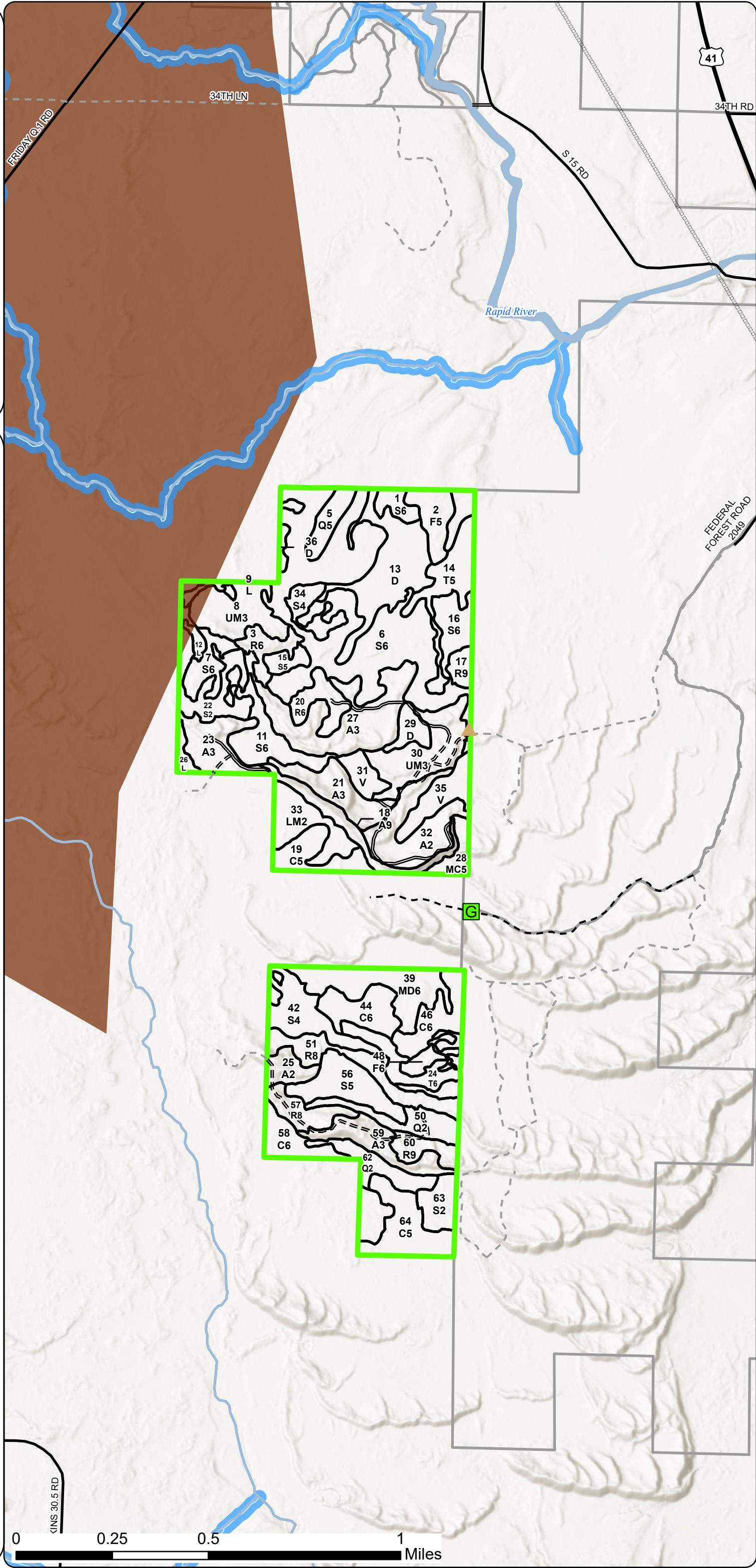


Special Conservation Areas
& Site Conditions Map

Compartment: 33104
T42N, R22W, SEC. 25 & 36
County: Delta
Unit: Escanaba
Mgmt. Area: Menominee-Marquette
YOE: 2027
Acres: 605.41 GIS Calculated
Examiner: George Wilson
Date Exported: 12/12/2025
Map Phase: Post Review



- Berm
- Gate
- Pipeline
- Compartment Boundary
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	66	31	0	0	0	0	10	0	0	0	0	0	0	0	0	0	107
Bog	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	11	50	0	0	0	0	60
Lowland Conifers	0	0	23	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	30
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13
Lowland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Spruce/Fir	0	0	14	0	0	0	0	0	37	19	122	0	0	0	0	0	0	0	192
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	22
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5
Red Pine	0	0	0	0	0	0	0	0	0	18	7	15	8	0	0	0	0	0	48
Tamarack	0	0	0	0	0	0	0	0	0	9	15	0	0	0	0	0	0	0	24
Treed Bog	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Upland Mixed Forest	0	0	20	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Upland Spruce/Fir	0	0	0	0	0	5	0	0	0	9	0	0	0	0	0	0	0	0	14
Total	55	0	123	48	0	5	0	0	47	97	144	20	19	50	0	0	0	0	607



Report 2 – Treatment Summary

Escanaba Mgt. Unit

Year of Entry: 2027

Acres of Harvest

Compartment 104

Total Compartment Acres: 605

Commercial Harvest -
Harvests with Site Condition - 320
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Lowland Conifers	7	0	0	0	0	0	0	0	0	7
Lowland Spruce/Fir	122	0	0	0	0	0	0	0	0	122
Mixed Upland Deciduous	22	0	0	0	0	0	0	0	0	22
Upland Spruce/Fir	9	0	0	0	0	0	0	0	0	9
Total	159	0	0	0	0	0	0	0	0	159

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	159	0	0	0	0	0	0	0	0	159
Next Step	0	0	0	0	0	0	159	0	0	159
Total	159	0	0	0	0	0	159	0	0	318



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

1	33104001-Cut	8.2	6122 - Black Spruce	6	92	51-80	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Clearcut: Harvest all trees 3 inches and greater. Leave all cedar if found. No retention needed due to small size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Black Spruce, tamarack, white pine, red pine. <u>Regen:</u> <u>Other</u> If treatment fails to regenerate stand, implement frost seeding or planting spruce seedlings. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
2	33104002-Cut	9.0	42320 - Upland Spruce	5	89	51-80	Harvest	Clearcut	6122 - Black Spruce	Cutting Record	No
<u>Prescription</u> Clearcut: Harvest all trees 3 inches and greater. Mark to leave some higher quality red pine for a seed source. Red pine left should be evenly distributed, approximately 1 per acre. Leave all cedar and hemlock if found. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Black Spruce, red pine, aspen, white pine. <u>Regen:</u> <u>Other</u> Successful regeneration is expected. If regeneration fails, look to plant seedlings. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
5	33104005-Cut	6.6	6128 - Lowland Coniferous, Mixed Deciduous	5	89	1-50	Harvest	Clearcut	613 - Lowland Mixed Forest	Cutting Record	No
<u>Prescription</u> Clearcut: Cut all trees 3 inches and greater. Mark to leave red and white pine distributed evenly across stand for seed. Leave all hemlock and cedar if found. No retention needed due to small stand size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Black spruce, red pine, white pine, aspen <u>Regen:</u> <u>Other</u> If regeneration fails, look to frost seed the stand with black spruce seeds. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
6	33104006-Cut	82.0	6122 - Black Spruce	6	95	81-110	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Clearcut with retention: Harvest all trees 3 inches and above except leave a few scattered red pine and white pine for a seed source. Leave <u>Specs:</u> 10 percent of the stand for retention along the edge of stand 13 for age class difference. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Black spruce, tamarack, red pine, white pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
7	33104007-Cut	7.7	6122 - Black Spruce	6	95	81-110	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Clearcut: Cut all trees 3 inches and greater. Leave all cedar if found. No retention needed due to small stand size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Black spruce, tamarack, white pine, red pine <u>Regen:</u> <u>Other</u> If regeneration fails, look to frost seed stand with black spruce seed. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
11	33104011-Cut	14.8	6122 - Black Spruce	6	90	81-110	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Clearcut with retention: Harvest all trees 3 inches and greater. Leave all cedar. Leave 10% retention of the stand along stand 21, 23, or 27 <u>Specs:</u> for edge cover. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Black Spruce, Tamarack, White Pine, Red Pine <u>Regen:</u> <u>Other</u> If this treatment does not result in successful regeneration, look to frost seed the stand with spruce seeds or supplemental plant seedlings. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
16	33104016-Cut	9.0	6122 - Black Spruce	6	91	81-110	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Clearcut: Harvest all trees 3 inches and larger DBH. Leave all red pine. No retention is needed due to small stand size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Black spruce, tamarack, red pine and white pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
39	33104039-Cut	21.8	4190 - Mixed Upland Deciduous with Cedar	6	85	81-110	Harvest	Clearcut	4190 - Mixed Upland Deciduous with Cedar	Planting Record	No
<u>Prescription</u> Clearcut with retention: Harvest all merchantable species except leave all cedar. Cedar may only be cut for operational purposes. Leave 3- <u>Specs:</u> 10% stand retention. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Maple, Aspen, Cedar, Spruce, Birch. <u>Regen:</u> <u>Other</u> If stand fails to regenerate properly, look at possibly planting the stand with seedlings or frost seeding. <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											

Total Treatment
Acreage Proposed: 159.1

Report 4 – Site Conditions

Escanaba Mgt. Unit
George Wilson: Examiner

Compartment: 104
Year of Entry: 2027



Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions						
Acres	Available	With Condition	Not Available		2B	5B	5C	3L	5D	5E
106	97	0	10	Aspen						10
15	15	0	0	Bog						
60	0	0	60	Cedar				60		
30	9	21	0	Lowland Conifers	7	14				
13	13	0	0	Lowland Mixed Forest						
6	6	0	0	Lowland Shrub						
191	32	128	31	Lowland Spruce/Fir	122		7		31	
22	0	22	0	Mixed Upland Deciduous	22					
5	5	0	0	Natural Mixed Pines						
48	0	48	0	Red Pine	27	15	7			
24	0	24	0	Tamarack		15	9			
34	34	0	0	Treed Bog						
37	37	0	0	Upland Mixed Forest						
14	5	9	0	Upland Spruce/Fir	9					
606	252	252	100	Total Forested Acres	186	44	23	60	31	10
	42%	42%	17%	Relative Percent						

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond	Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access is through USFS, which is also their Ski Trail.								
2	Available	2B: Unknown if access through adjacent landowner(s) is possible	9	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access is through USFS, which is also their Ski Trail.								

Report 4 – Site Conditions

Escanaba Mgt. Unit
George Wilson: Examiner

Compartment: 104
Year of Entry: 2027



3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	2B: Unknown if access through adjacent landowner(s) is possible	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access is through USFS, which is also their Ski Trail.							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	82	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access is through USFS, which is also their Ski Trail.							
6	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access is through USFS, which is also their Ski Trail.							
7	Available	2B: Unknown if access through adjacent landowner(s) is possible	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access is through USFS, which is also their Ski Trail.							
8	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
George Wilson: Examiner

Compartment: 104
Year of Entry: 2027



9	Available	2B: Unknown if access through adjacent landowner(s) is possible	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access is through USFS, which is also their Ski Trail.							
10	Unavailable	5E: Long-Term Retention	10	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access is through USFS, which is also their Ski Trail.							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	2B: Unknown if access through adjacent landowner(s) is possible	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
George Wilson: Examiner

Compartment: 104
Year of Entry: 2027



15	Available	5B: Maintain for regeneration purposes	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	2B: Unknown if access through adjacent landowner(s) is possible	15	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5D: Unproductive forest land	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5D: Unproductive forest land	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
George Wilson: Examiner

Compartment: 104
Year of Entry: 2027



21	Available	2B: Unknown if access through adjacent landowner(s) is possible	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access is through USFS, which is also their Ski Trail.							
22	Unavailable	3L: Other wildlife concerns	60	Unspecified	Unspecified	Unspecified	Unspecified
Comments: High amount of northern white cedar. Lack of treatment due to Deer Winter Range Guidelines.							

Mgt. Unit

Compartment: #Type!

Year of Entry:

Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



Stand	Level 4 Cover Type		Size Density		Acres	Stand Age	BA Range	Managed Site	General Comments	
1	6122 - Black Spruce		Poletimber Well		8.2	92	51-80	N/A	2025: Remote call for this stand due to limited access. Previous treatment was never implemented; new treatment is similar to previous treatment.2015- Nice spruce some dead and dying trees scattered throughout. OPIC - FMD: OI Stand Year Origin was 1961	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
	Black Spruce	95	Pole	9	92	Balsam Fir	Low	< 5 feet		< 5 feet
	Tamarack	5	Pole	8		Black Spruce	Low	< 5 feet		< 5 feet
2	42320 - Upland Spruce		Poletimber Medium		9.0	89	51-80	N/A	2025: Remote call due to difficult access. Previous treatment was never implemented. The new treatment is similar to previous treatment.2015- Aspen in bad shape. R pine is northern 3rd of stand. OPIC - FMD: Tough access, aspen is poor quality. Schedule for harvest with limiting factor due to access problems.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
	Quaking Aspen	10	Log/Pole	10	74	Balsam Fir	Medium	< 5 feet		< 5 feet
	Black Spruce	70	Pole	8	89	Black Spruce	Medium	< 5 feet		< 5 feet
3	42210 - Natural Red Pine		Poletimber Well		6.8	96	51-80	N/A	2025: Remote call due to access, stand was cut in 1999. Red pine dominated stand.2015- More pine than aspen. Aspen is filling in in the more open areas but overall it is pine. OPIC - FMD: This stand was harvested in 1999 under contract number 016-97-01. Red, white, and Jack pine were left as well as white birch. (Oyster Aspen)	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
	Quaking Aspen	20	Sapling	3	26	White Pine	High	5 - 10 feet		5 - 10 feet
	White Pine	20	Log/Pole	11		Red Pine	Medium	5 - 10 feet		5 - 10 feet
5	6128 - Lowland Coniferous, Mixed Deciduous		Poletimber Medium		6.6	89	1-50	N/A	2025: Remote call due to difficult access. Previous treatment on stand was not implemented; the new treatment will be similar to prior. This stand is mixed spruce and pine dominated.2015- More spruce on southern tip, more aspen and Wpine as you go north. Wpine is low quality lots of weevil (forked trees).OPIC - FMD: ASPEN IS POOR QUALITY BUT COULD BE CUT WITH ST2 IF ACCESS FOUND .	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
	Quaking Aspen	20	Log/Pole	11		Black Spruce	Low	< 5 feet		< 5 feet
	Balsam Fir	3	Pole	8		Balsam Fir	Low	< 5 feet		< 5 feet
6	6122 - Black Spruce		Poletimber Well		82.0	95	81-110	N/A	2025: High quality black spruce stand. This stand has a red pine and white pine component. Look to treat this entry.2015- Nice stand of spruce. Mostly low ground with some upland. Spruce has some tops and dying trees. OPIC - FMD: OI Stand Year Origin was 1934	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
	Black Spruce	75	Pole	8	95	Buckthorn	High	5 - 10 feet		5 - 10 feet
	Tamarack	15	Pole	8		Black Spruce	Low	5 - 10 feet		5 - 10 feet
7	6122 - Black Spruce		Poletimber Well		7.7	95	81-110	N/A	2025: Remote call for this stand due to small size, stand data show this stand is a black spruce stand with tamarack as a minor component.2015- North end not as good quality as the south.OPIC - FMD: Small timber, patchy, timber surrounds low treed bog areas.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
	Black Spruce	90	Pole	8	95	Black Spruce	Medium	5 - 10 feet		5 - 10 feet
	Tamarack	10	Pole	8						





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Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

21

4130 - Aspen

Sapling Well

13.5

14

Immature

N/A

2025: Nice bigtooth aspen stand regenerating. Minor components of red pine and jack pine.OPIC - FMD: Stand treated in2011 nder contract 330100701, Inman Creek Mix. USFS ski trail is located in this stand. Will have to work with the Forest Service when treating this stand. Leave smaller pine in this area and mark or designate some of the bigger pine for seed trees. Small patch of J. pine located in SE part of stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling/Pole	2	
Bigtooth Aspen	80	Sapling	2	14
White Pine	5	Pole	8	
Red Pine	5		2	
Jack Pine	5		2	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	< 5 feet	< 5 feet
Red Pine	Low	< 5 feet	< 5 feet
Balsam Fir	Low	< 5 feet	< 5 feet
White Spruce	Low	< 5 feet	< 5 feet

22

6122 - Black Spruce

Sapling Medium

15.2

80

Unspecified

N/A

2025: Remote call for this stand. 10 years ago, this stand was unmerchantable spruce mix. Difficult access.2015- Was typed as a D0 last time. Filling in with spruce. OPIC - FMD: OI Stand Year Origin was

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	100	Sapling/Pole	4	80

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	Variable	Variable
Tag Alder	High	5 - 10 feet	5 - 10 feet
Buckthorn	High	5 - 10 feet	5 - 10 feet

23

4136 - Aspen, Mixed Conifer

Sapling Well

13.5

14

Immature

N/A

2025: Regenerating well to aspen. There is a spruce, pine and fir minor component.OPIC - FMD: Aspen is mature, access could be a problem. Access was gained and stand was cut in 2011 under contract 330100701, Inman Creek Mix.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	9	
Quaking Aspen	65	Sapling	1	14
Balsam Fir	5	Pole/Sapling	5	
Black Spruce	5		1	
Northern White Cedar	5	Pole	9	
White Pine	5	Log/Pole	10	
Red Pine	5	Log	12	
Red Pine	5	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	< 5 feet	< 5 feet
Red Pine	Low	< 5 feet	< 5 feet
Alder	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
White Spruce	Medium	< 5 feet	< 5 feet
Black Spruce	Low	< 5 feet	< 5 feet

24

6121 - Tamarack

Poletimber Well

9.3

88

Unspecified

N/A

2025: Remote call due to access. Stand notes call this a tamarack stand with a cedar component. There was no treatment last entry.OPIC - FMD: OI Stand Year Origin was

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Pole	7	
Northern White Cedar	30	Pole	7	
Tamarack	60	Pole	7	88

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	High	10 - 20 feet	10 - 20 feet

25

4136 - Aspen, Mixed Conifer

Sapling Medium

5.8

14

Immature

N/A

2025: Remote Call for this stand. Stand data shows that this stand is successfully regenerating. OPIC - FMD: Treated in 2011, Inman Creek Mix sale, 330100701. Maintain the pine in this stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Sapling	1	
Quaking Aspen	50	Sapling	1	14
Balsam Fir	10	Sapling	1	
White Pine	10	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	< 5 feet	< 5 feet
Balsam Fir	Medium	< 5 feet	< 5 feet

26

6229 - Mixed Lowland Shrub

None

2.4

No

2025: Remote call for this stand due to access. Previous stand data calls for this stand to be coded as a lowland brush area.OPIC - FMD: Lowland brush area.

Sub-Canopy Species	Density	Avg. Height	Size
Alder	Full	5 - 10 feet	5 - 10 feet
Willow spp.	Medium	< 5 feet	< 5 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
27	4133 - Aspen, Mixed Pine	Sapling Well	30.9	26	Immature	N/A	2025: Aspen is regenerating well with jack pine dominating in patches. There is also white pine, red maple, and red pine growing in spots.2015 - Primarily an aspen stand with residual pine. jack pine is heavy in spots. OPIC - FMD: Treated in 1999 under contract #16-97-01 (Oyster Aspen Sale). Aspen and White birch were removed and patches of pine and spruce were left. Aspen is coming back.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	75	Sapling	2	26	Black Spruce	Medium		Variable	Variable
White Pine	10	Pole	8		White Pine	Medium		Variable	Variable
Red Pine	10	Pole	8		Jack Pine	Medium		Variable	Variable
Jack Pine	5	Pole	7		Red Pine	Medium	Variable	Variable	
28	42290 - Natural Mixed Pine	Poletimber Medium	5.0	100	81-110	N/A	2025: Mixed red pine stand with spruce, maple, aspen and jack pine. This stand should be harvested soon.2015 - Area was not treated, was left becuz of USFS ski trail. OPIC - FMD: Treated in winter of 2011 under Inman Creek Mix sale,330100701. LOWLAND ASPEN; WINTER CUT OR DRY SUMMER HARVEST. REMOVE MATURE TIMBER ONLY.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	20		9		Balsam Fir	Medium		< 5 feet	< 5 feet
Black Spruce	20	Pole	6		Black Spruce	Low		< 5 feet	< 5 feet
White Pine	5		14						
Red Pine	50	Log	14	100					
Jack Pine	5	Pole	7						
29	6224 - Treed Bog	None	5.0			No	2025: Bog with scattered black spruce and tamarack. Full of leatherleaf and Sphagnum Moss.Treed bog, filling in with spruce and some pine. Could be a forested stand. Check next time to see if it is. OPIC - FMD: OI Stand Year Origin was		
Sub-Canopy Species	Density	Avg. Height	Size						
Tamarack	Trace	Variable	Variable						
Black Spruce	Trace	>20 feet	>20 feet						
30	4311 - Pine, Aspen Mix	Sapling Well	19.8	14	Immature	N/A	2025: Niced Aspen stand mixed with jack pine, red maple and red pine. This stand is fully stocked and is 15-20 feet tall.2015 - coming back to fully stocked. Some places it is heavy to Aspen and others it is heavy to J.pine. OPIC - FMD: Stand treated in 2011 under contract 330100701, Inman Creek Mix. There was a buffer of residual trees left along dthe edge of the USFS ski trail. South end of stand has a 50/50 mix of aspen /j.pine. Treat this time around. Will have to check after harvest to see if slash will have to be reduced by prescribe burn.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	15	Pole/Sapling	7		Jack Pine	Low		< 5 feet	< 5 feet
Bigtooth Aspen	40	Sapling	1	14					
Black Spruce	5	Sapling	1						
Jack Pine	40	Sapling	1	14					
31	6225 - Bog	None	5.6			No	2025: Bog with leatherleaf and scattered dead trees.2015 - Sphagnum bog with leatherleaf, wet area, scattered trees. this will end up as a black spruce and Tamarack stand. OPIC - FMD: OI Stand Year Origin was		
32	4136 - Aspen, Mixed Conifer	Sapling Medium	20.1	14	Immature	N/A	2025: Immature Aspen stand with mature red pine and maple within the stand. This stand is regenerating nicely.OPIC - FMD: Stand treated in2011 nder contract 330100701, Inman Creek Mix. pre treatment -USFS ski trail is located in this stand. Will have to work with the Forest Service when treating this stand. Leave smaller pine in this area and mark or designate some of the bigger pine for seed trees. Small patch of J. pine located in SE part of stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5		8		White Pine	Low		5 - 10 feet	5 - 10 feet
Quaking Aspen	75	Sapling	1	14	Black Spruce	Low		5 - 10 feet	5 - 10 feet
Black Spruce	5		5		Red Pine	Medium		5 - 10 feet	5 - 10 feet
White Pine	5	Sapling/Pole	4						
Red Pine	10		14						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
33	6132 - Mixed Lowland Forest with Cedar	Sapling Medium	13.4	85	1-50	N/A	2025: Mixed lowland stand with spruce, red pine, red maple and tag alder. The canopy info is what was left when last harvested. Stand is regenerating mainly to mixed spruce and Aspen. The regeneration to the north is mainly aspen.2015 - Since treatment this has become a 2 aged stand. residual is the canopy spp. and the understory is the sub-canopy. Sub-canopy is what is regenerating. OPIC - FMD: Treated in winter of 2011 under Inman Creek Mix sale.330100701. LOWLAND ASPEN; WINTER CUT OR DRY SUMMER HARVEST. REMOVE MATURE TIMBER ONLY.																																																												
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34	6122 - Black Spruce	Poletimber Poor	6.7	70	Unspecified	N/A	2025: Remote call due to access. Stand notes indicate stunted trees and patches of tag alder. This stand is on the edge of a treed bog.2015- Poorer quality site than stand 6. Pockets of spruce and tamarack with heavy understory of Lo. OPIC - FMD: Treed bog.																																																												
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35	6225 - Bog	None	9.8			No	2025: Bog with leather leaf, willow and a very small black spruce component.Essentially a bog on east and west sides with pocket of spruce in the middle.OPIC - FMD: OI Stand Year Origin was																																																												
36	6224 - Treed Bog	None	2.3			No	2025: Remote call for this stand due to access. Previous notes code this stand as a treed bog.2015 - Lowland brush with scattered timber.OPIC - FMD: Upland, Red Pine and Spruce. Small "L" type that separates stand 6 and stand 4 located on south edge of this stand.																																																												
39	4190 - Mixed Upland Deciduous with Cedar	Poletimber Well	21.8	85	81-110	N/A	2025: I only looked at the edge of this stand due to difficult access. Appears to be cedar, red maple, paper birch, and spruce. Should be harvested but access my be an issue.2015 - Ove-rmature stand of timber. Far east and west side is smaller scattered timber and more lowland brush. Access is problem. OPIC - FMD: Treat this time around. Access could be a limiting factor. Will have to get access from landowner to the north. Some cedar will have to be cut so that contractor can treat stand. Lower ground. Leave cedar clumps (.25 -.5 acre) scattered throughout the sale.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
42	6122 - Black Spruce	Poletimber Poor	14.9	70	Unspecified	N/A	2025: Remote call due to difficult access. Stand notes indicate patchy spruce stand filling in with spruce and tamarack.2015 - Moslty Lo with scattered clumps of timber. Stand is filling in with Spruce and Tamarack and will probably be a fully stocked stand next time around. OPIC - FMD: OI Stand Year Origin was		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	5	Pole/Sapling	7		Buckthorn	High		5 - 10 feet	5 - 10 feet
Balsam Fir	5	Pole/Sapling	5		Tamarack	Low		Variable	Variable
Black Spruce	55	Pole/Sapling	7	70	Black Spruce	Medium		Variable	Variable
Northern White Cedar	5	Pole	7		Tag Alder	High		5 - 10 feet	5 - 10 feet
Tamarack	25	Pole/Sapling	7						
White Pine	5	Log/Pole	10						
44	6120 - Lowland Cedar	Poletimber Well	12.0	121	81-110	N/A	2025: Remote call for this stand due to access. Previous notes and imagery show this stand to be a typical cedar stand.OPIC - FMD: WIDE RANGING STOCKING; T & QINCLUSIONS. SMALL DIAMETER.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	5	Pole/Sapling	7		Tag Alder	High		5 - 10 feet	5 - 10 feet
Northern White Cedar	80	Pole	7	121	Balsam Fir	Medium		5 - 10 feet	5 - 10 feet
Black Ash	15	Pole/Sapling	5						
46	6120 - Lowland Cedar	Poletimber Well	11.6	125	81-110	N/A	2025: Cedar stand with lowland deciduous and coniferous species.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	5	Pole	7		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Balsam Fir	5	Pole	8		Balsam Fir	High		5 - 10 feet	5 - 10 feet
Black Spruce	10	Pole	9						
Northern White Cedar	80	Log/Pole	10	125					
48	42320 - Upland Spruce	Poletimber Well	5.0	40	81-110	N/A	2025: Remote call due to difficult access. Stand was harvested in 1985. Stand notes indicate smaller timber.2015 - Lots of small diameter timber under the mature timber. Stand could be harvested but the acreage is to small to treat alone. OPIC - FMD: OI Stand Year Origin was 1985		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	20	Pole	8		Balsam Fir	High		Variable	Variable
Balsam Fir	20	Pole	8	40					
Black Spruce	60	Pole	8	40					
50	6129 - Mixed Coniferous Lowland Forest	Sapling Medium	14.4	14	Immature	N/A	2025: Stand is filling in nicely with spruce, red pine, tamarack, and red maple. This stand is making its way to be fully stocked.2015-stand is filling in with the above mentioned sub-canopy spp. wait another 10 yrs to let more spp. seed in. OPIC - FMD: Treated in 2011, Inman Creek Mix Sale 330100701. Seed tree Method. previous inv.=Small diameter. Could be cut now or hold till next time around.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	15		1		Leatherleaf	Medium		< 5 feet	< 5 feet
Black Spruce	30	Sapling	1	14					
Tamarack	15	Sapling	1						
White Pine	15	Sapling	1						
White Pine	5	Pole	9	80					
Red Pine	5	Log	12	80					
Red Pine	15	Sapling	1	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
51	42210 - Natural Red Pine	Sawtimber Medium	15.0	104	1-50	N/A	2025: Red pine stand that was harvested in 2011. Regeneration is mainly white pine and fir, with a few red pine.2015- Recently harvested, residual spp listed above and regen is the sub-canopy. .OPIC - FMD: Treated in 2011, Inman Creek Mix, 330100701. Seed tree method used.																																																					
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Hemlock	5	Log/Pole	10																																																									
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56	6122 - Black Spruce	Poletimber Medium	15.4	70	Unspecified	N/A	2025: Remote call due to difficult access. Stand notes indicate that this stand is stunted spruce and partially a bog.2015 - East edge of stand is mainly tamarack. rest of stand is Spruce that is small diameter and lots of unmerchantable timber. OPIC - FMD: Treed bog.																																																					
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57	42210 - Natural Red Pine	Sawtimber Medium	8.2	118	1-50	N/A	2025: Remote call for this stand due to difficult access. Stand was harvested in 2001, and previous stand notes say that the stand is regenerating successfully.2015 - residual log sized pine with Aspen saplings. OPIC - FMD: Treated in 2001, Inman Creek Mix sale, 330100701. prev.inv= Harvest overmature Hdws, spruce & fir, also remove some pine.																																																					
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58	6120 - Lowland Cedar	Poletimber Well	8.9	120	51-80	N/A	2025: Mixed stand that is predominantly cedar. I only got an edge view of this stand due to the access.OPIC - FMD: APPROX. A 2A E4Q3 INCLUSION IN SW CORNER. THIS COULD ALSO BE TYPED AS AN "E6" STAND.																																																					
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59	4133 - Aspen, Mixed Pine	Sapling Well	12.7	14	Immature	N/A	2025: Fully stocked aspen stand with red pine and white pine making up a moderate component.OPIC - FMD: Treated in 2011, Inman Creek Mix sale 330100701. Timber along steep slope was left as retention. This is located along south edge of stand. prev. inv=STAND CONTAINS MINOR PINE IN-CLUSIONS. MAINTAIN SOME OF THE PINE AND REMOVE THE DECLINING PINE. SMALL PIECE IN SOUTHWEST CORNER OF STAND CONTAINS ABOUT .5 ACRE OF F6 STAND.																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
60	42210 - Natural Red Pine		Sawtimber Well	6.4	88	111-140	N/A	2025: Red pine stand last cut in 2011. Average basal area is 10-12 dbh. There is a component of spruce and fir in the understory.OPIC - FMD: Treated in 2011, Inman Creek Mix sale, 330100701. Seed tree Method. prev inv= UPLAND BLACK SPRUCE AND PINE. EDGE OF RIDGE IS MORE SPRUCE THAN PINE.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Red Pine	100	Pole/Log	9	88	Red Pine	Medium		< 5 feet	< 5 feet
	Balsam Fir					Balsam Fir	Low		< 5 feet	< 5 feet
	Black Spruce					Black Spruce	Low		Variable	Variable
62	6128 - Lowland Coniferous, Mixed Deciduous		Sapling Medium	9.1	14	Immature	N/A	2025: Stand is regenerating moderately well. There is patchy regeneration in some areas. Stand is mainly regenerating spruce, white pine, red maple and red pine.2015 - The overstory is the submerchantable trees that were left and the understory is what is filling in after the harvest. OPIC - FMD: Treated in 2011, Inman Creek Mix sale,330100701. prev inv = LOWLAND ASPEN & WHITE BIRCH. TREAT THIS TIME AROUND. LOW GROUND HARVEST IN DRY SUMMER OR WINTER.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Red Maple	25		2		White Pine	Low		< 5 feet	< 5 feet
	Quaking Aspen	5	Sapling/Pole	2		Red Maple	Low		< 5 feet	< 5 feet
	Balsam Fir	10	Sapling/Pole	3		Tag Alder	Low		5 - 10 feet	5 - 10 feet
	Black Spruce	35	Sapling/Pole	3	14	Black Spruce	Low		< 5 feet	< 5 feet
	Tamarack	10	Sapling	1						
	White Pine	5		2						
	Red Pine	5		1						
	63	6122 - Black Spruce		Sapling Medium	13.5	14			N/A	2025: This stand is regenerating nicely to mainly black spruce. There is a component of white and red pine also growing. In wetter spots there is a small amount of tamarack regenerating as well. Retained red pine appears to be doing well.This stand is filling in nicely with black spruce mainly about 1 foot or less in the lower ground areas. This will be forested within the next 2 treatment periods. The black spruce is moderate/high regeneration in the lowland pockets above water and sparse in the upland ridge with black spruce, and red and white pine. This stand was treated in 2011, Inman Creek Mix Sale, 330100701.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Black Spruce		75	Sapling	1	14	Red Pine	Trace	>20 feet	>20 feet	
Tamarack		5	Sapling	1		White Pine	Low	>20 feet	>20 feet	
White Pine		5	Log	10	80	Black Spruce	Medium	< 5 feet	< 5 feet	
White Pine		5	Sapling	1						
Red Pine		5	Log	11	80					
Red Pine		5	Sapling	1						
64	6120 - Lowland Cedar		Poletimber Medium	16.9	125	111-140	N/A	2025: Cedar swamp with spruce, tamarack, and birch components.OPIC - FMD: STAND CONTAINS L INCLUSIONS.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Red Maple	2	Pole/Log	9		Buckthorn	Medium		10 - 20 feet	10 - 20 feet
	Paper Birch	2	Pole	9		Balsam Fir	Medium		5 - 10 feet	5 - 10 feet
	Black Spruce	35	Pole	8		Tag Alder	High		10 - 20 feet	10 - 20 feet
	Northern White Cedar	50	Pole	8	125					
	Tamarack	11	Pole	9						