



Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33069

Entry Year 2025

Acreage: 818

County Menominee

Management Area: Menominee-Marquette

Stand Examiner: Dustin Salter

Legal Description:

T40N, R25W Sections 17,18,19,29,30,31, and 32, Menominee County, Michigan

Identified Planning Goals:

This compartment is comprised primarily of lowland conifer stands with upland ridges of northern hardwoods, aspen and upland conifers. Most of the lowland cedar stands are very poor quality and offer limited deer winter cover. These same stands have/had contained good quality tamarack and black spruce. Most of these species have died out due to age and pests. The eastern larch beetle has caused a significant amount of tamarack mortality. One of the lowland conifer stands will be harvested, where there is enough tamarack and spruce left to salvage. This entry a few of the northern hardwood stands will be thinned, improving the spacing and growth of the residual stems. Two small upland conifer stands will also be harvested, before all the balsam fir and white spruce die from the spruce budworm.

Soil and topography:

Topography is undulating to moderately steep. Major soils found in this area include Onaway and Summerville on the uplands, Lupton, and Lupton-cathro complex in the lowlands.

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

The ownership pattern around this tract is mixed with industrial private land to the west and north and private lands along the eastern side. This compartment adjoins another compartment of state land to the south. This area is a mix of farmland, forest land with camps, and private residences.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

None Known

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

A northern section of this compartment contains Tenmile Creek. Tenmile Creek is a non-designated stream less than 50 wide and has a predicted mean July temperature of 67.0 °F (cool stream). A minimum 100 feet, plus 5 feet per 1% increase in slope, buffer is recommended for Tenmile Creek to protect riparian areas in accordance with Best Management Practices. Whitney Creek is in the southeastern portion of this compartment and 100' buffer is recommended to protect these areas in accordance with BMPs.

Wildlife Habitat Considerations:

Compartment 69 is part of the North Menominee Management Area. This management area is comprised of discontinuous state holdings in a matrix of largely corporate forest. Over half of the area is lowland conifer cover type (cedar, spruce, tamarack) interspersed with uplands of aspen and northern hardwoods. Historically this management area has been important deer winter range. Due to difficulties in regenerating cedar, most of this cover type will simply be protected, except for purposeful regeneration experiments. Aspen will be managed for age class diversity, and hardwoods for vegetative diversity and improved regeneration success. Featured wildlife species include the american marten and snowshoe hare.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The nearest active sand & gravel operations are just over two miles southeast. Much of the compartment consists of low wetlands, which would inhibit surface mining. However, there is good potential for sand & gravel within the compartment on the upland drumlins. Some remote geophysical surveys covering this area have been conducted, and some past test drilling for iron ore was completed approximately two miles northwest. There may be potential for iron ore beneath the western edge of the compartment, but it may be too deep to have significant economic value. There is no current leasing activity involving State-owned mineral rights in the area.

Vehicle Access:

The majority of this compartment can only be accessed through private property. The DNR must get permission to access the majority of it. M69 crosses a corner of the compartment. Shiverski Land comes off of M-69, which allows access into some of the compartment through private land.

Survey Needs:

Approximately ten registered corners will need to be set, to prepare proposed timber sales.

Recreational Facilities and Opportunities:

The Felch Grade ORV/Snowmobile trail passes through a corner of the compartment. There are no other developed facilities but there are opportunities for hunting and fishing, however access is limited due to private land.

Fire Protection:

This area is not prone to fire but due to the spruce budworm and eastern larch beetle there is potential for fire within some areas of this compartment. If a fire should get started in this area access is limited. There are spots to access water, in the surrounding area.

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

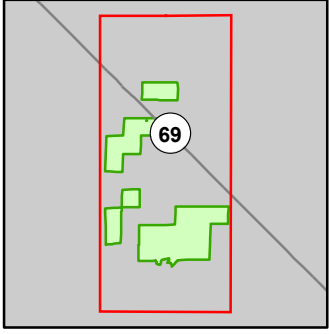
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

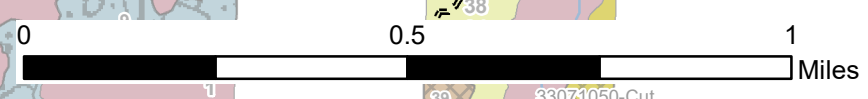
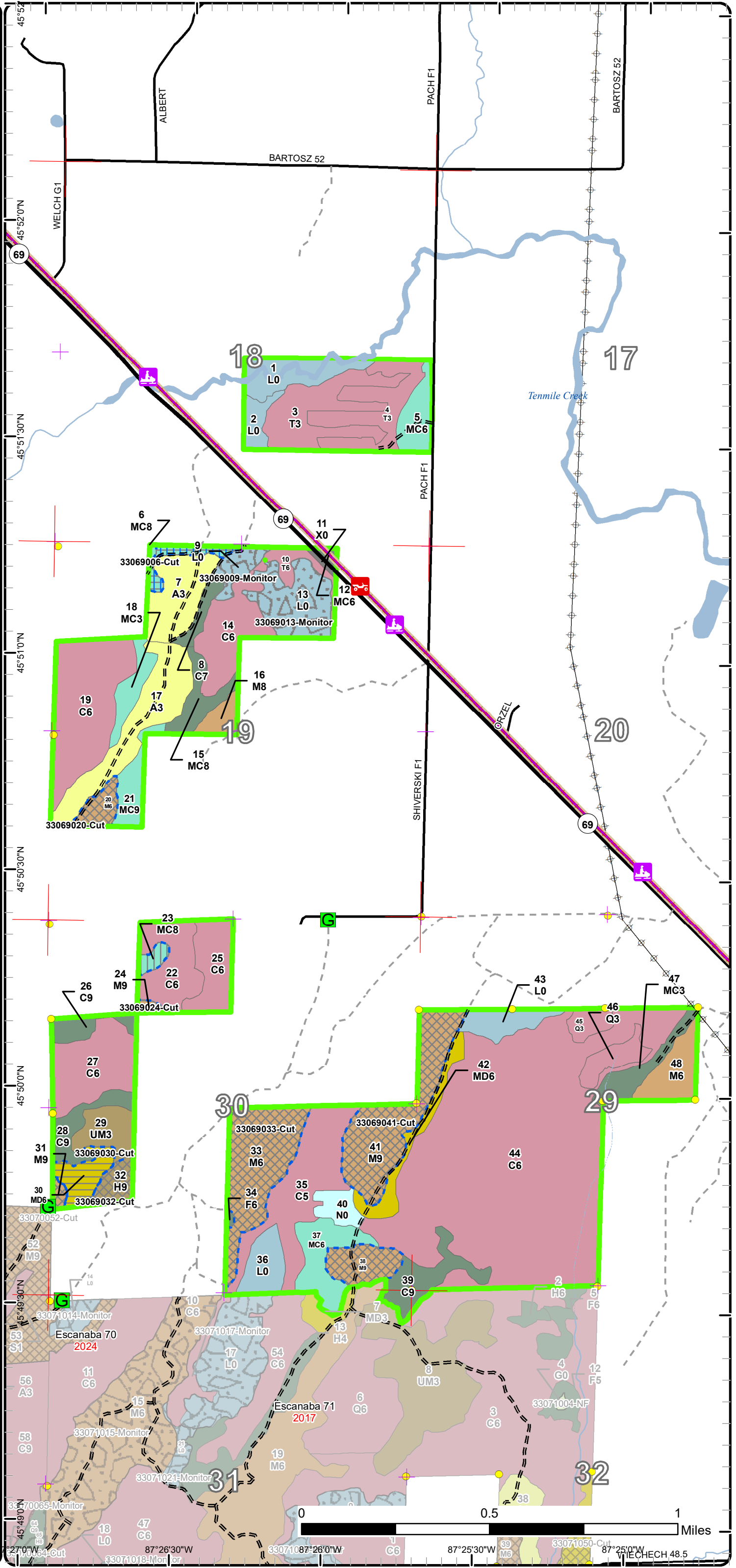
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 69
 T40N-R25W Sec. 17-19, 29-32
 County: Menominee
 Unit: Escanaba
 Mgmt Area: Menominee-Marquette
 YOE: 2025
 Acres: 818.3 GIS Calculated
 Examiner: Dustin Salter
 Map Revised: 6/15/2023
 Map Phase: Web-Post



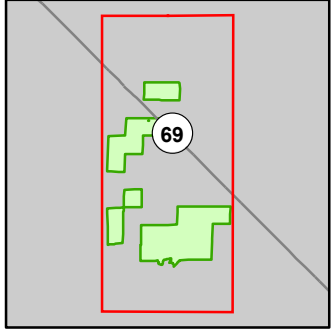
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- 🚗 ORV Routes
- 🚙 Snowmobile Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Designated Rail Trail
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- G Gate
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Regeneration Survey
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 622 - Lowland Shrub
- 623 - Emergent Wetland



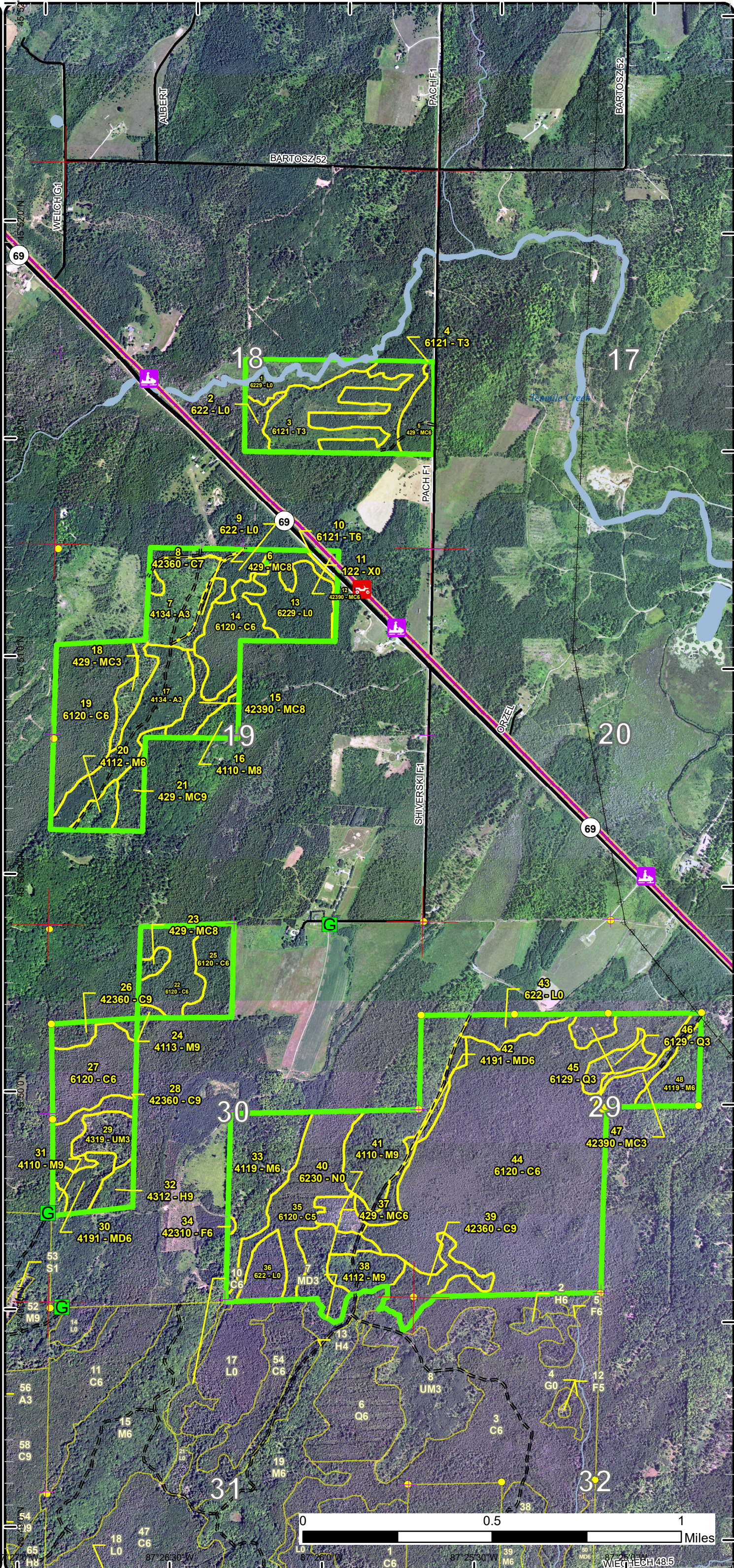
0 0.5 1 Miles
 87°26'30"W 87°25'30"W 87°25'0"W
 45°52'30"N 45°52'0"N 45°51'30"N 45°51'0"N 45°50'30"N 45°50'0"N 45°49'30"N 45°49'0"N 45°48'30"N 45°48'0"N
 Escanaba 70 2024 Escanaba 71 2017
 33071004-NF
 WIECHECH 48.5

Stand Boundary Map

Compartment: 69
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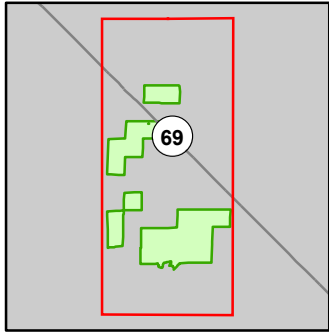


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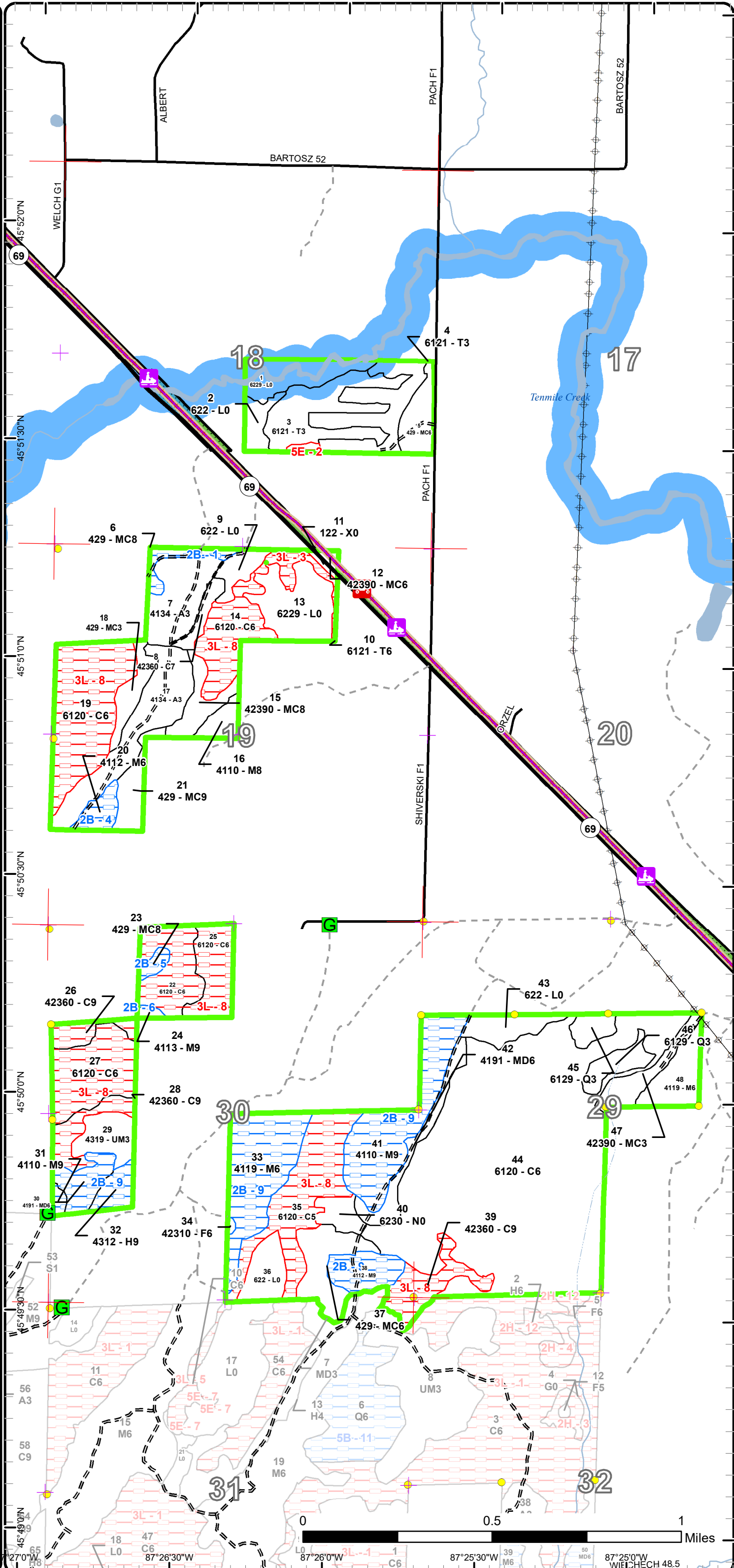


Special Conservation Areas

Compartment: 69
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- Lake/Pond
- Perennial River
- Lakes and Rivers
- G Gate
- ⊕ Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- High Priority Trout Stream Buffer
- Trail - Trail Corridor



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	20	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Cedar	0	0	0	0	0	0	0	0	0	0	0	15	348	46	0	0	0	0	409
Hemlock	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
Lowland Conifers	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Shrub	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Marsh	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	0	0	0	11	9	0	0	0	0	0	0	0	0	0	0	0	0	20
Northern Hardwood	0	0	0	0	0	0	0	0	0	103	5	0	1	0	0	0	0	0	108
Tamarack	0	0	0	26	22	0	0	0	0	0	0	7	0	0	0	0	0	0	54
Upland Conifers	0	0	0	8	19	0	0	0	5	0	1	0	21	0	0	0	0	17	70
Upland Mixed Forest	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Upland Spruce/Fir	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	76	13	20	74	53	9	0	0	5	103	12	22	370	46	0	0	0	17	815



Report 2 – Treatment Summary

Escanaba Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 69
Total Compartment Acres: 818

Commercial Harvest - 1
Harvests with Site Condition - 114
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
Hemlock	0	6	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	9	0	0	0	0	0	0	0	0	9
Northern Hardwood	1	90	0	0	0	0	0	0	0	91
Upland Conifers	1	0	0	5	3	0	0	0	0	9
Total	12	96	0	5	3	0	0	0	0	115

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	115	0	0	0	0	0	28	0	0	143
Next Step	0	0	0	0	0	0	115	0	0	115
Total	115	0	0	0	0	0	143	0	0	258



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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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Proposed Treatments:

6	33069006-Cut	4.8	429 - Mixed Upland Conifers	Sawtimber Medium	70	1-50	Harvest	Seed Tree with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Cut all trees greater than three (3) inches at DBH; except the dense area of cedar will be retained in the northwest corner of the stand. Also, mark to retain a mix of conifer seed trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen, pine, spruce/fir and birch.</p> <p><u>Other Comment:</u> Mixed low quality stand. The stand had a high percentage of spruce and balsam fir, but the spruce budworm has killed most of it. The stand is mostly upland, except the northwest corner has dense lowland cedar. This stand needs to be regenerated, the other species are dying out as well. This stand will regenerate with a mix of aspen and conifers. Pine seed trees will be retained to provide a seed source. We need to obtain access into this stand through private property in order to treat the stand.</p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
9	33069009-Monitor	6.3	622 - Lowland Shrub	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Regen survey.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Spruce, tamarack, cedar, balm, and pine.</p> <p><u>Other Comment:</u> Stand was clearcut in 2019 on contract 007-15-01. There is some tamarack and black spruce regeneration, but it has been too soon to be fully regenerated.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
12	33069012-Cut	1.2	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	93	51-80	Harvest	Clearcut	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Cut all trees greater than three (3) inches at DBH. No retention will be retained, due to small stand size and forest health conditions.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Tamarack, spruce/fir, aspen, and pine.</p> <p><u>Other Comment:</u> Mixed upland/lowland tamarack, spruce and aspen stand. All of the species are mature and should be harvested, while we are able to salvage the majority of the stems. The ORV trail runs through the center of this stand, post the trail when harvesting operations are occurring. The tamarack is dying out of the stand due to the eastern larch beetle and the spruce and fir are dying out due to the spruce budworm.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
13 33069013-Monitor	21.6	6229 - Mixed lowland shrub	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Regen survey. <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Tamarack, spruce, pine, balm, and cedar. <u>Regen:</u></p> <p><u>Other</u> Stand was clearcut in 2019 on contract 33-07-15. The stand has some spruce and tamarack regeneration, but too early to be fully regenerated. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
20 33069020-Cut	5.9	4112 - Maple, Beech, Cherry Association	Poletimber Well	86	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand down to 70 to 80 basal area. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Maple, basswood, beech, ash, birch, and pine. <u>Regen:</u></p> <p><u>Other</u> Good quality hardwood stand on the edge of a steep ridge. This stand is ready to be thinned. The thinning will improve the growth of the residual stems. We need to obtain access into this stand through private property in order to treat the stand. <u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
23 33069023-Cut	2.6	429 - Mixed Upland Conifers	Sawtimber Medium	116	51-80	Harvest	Shelterwood with Retention	429 - Mixed Upland Conifers	Two-Aged	No
<p><u>Prescription</u> Cut all trees greater than three (3) inches at DBH; except retain all hemlock. Also, only cut cedar less than nine (9) inches at DBH. Mark to retain some pine seed trees. About 1/3rd of the cedar would be harvested in the stand. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Pine, spruce/fir, maple, birch, tamarack, and hemlock. <u>Regen:</u></p> <p><u>Other</u> Upland conifer stand with some red maple and birch. The stand had a high density of balsam fir, but nearly all of it has died due to the spruce budworm. The stand is stagnant, more of the overstory should be removed to open the stand up to allow for regeneration. We need to obtain access into this stand through private property in order to treat the stand. <u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										



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	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
24	33069024-Cut	1.3	4113 - R.Maple, Conifer	Sawtimber Well	113	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees greater than three (3) inches at DBH; except retain all hemlock. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Maple, birch, aspen, spruce/fir, pine, and hemlock. <u>Regen:</u> <u>Other</u> Poor quality hardwood stand that had a high density of balsam fir, but all of it has died due to age and the spruce budworm. This stand will be opened up to allow the aspen, white pine and spruce/fir to regenerate. We need to obtain access into this stand through private property in order to treat the stand. But it looks like the adjacent private landowners are planning to harvest their timber soon. <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2024</p>											
30	33069030-Cut	9.4	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	42	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees greater than three (3) inches at DBH. No retention will be retained due to forest health concerns and small stand size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Balm, aspen, birch, ash, spruce/fir, and pine. <u>Regen:</u> <u>Other</u> This stand is not quite fully mature, but the stand is in need of harvesting now. The balsam fir and spruce are dying out, due to the spruce budworm and the emerald ash borer is killing the ash. This stand will regenerate well with balm following the harvest. We need to obtain access into this stand through private property in order to treat the stand. <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2024</p>											
31	33069031-Cut	1.7	4110 - Sugar Maple Association	Sawtimber Well	88	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand down to 70 to 80 basal area. Retain some beech and birch within the stand. Cut all ash, spruce/fir, aspen, balm, and ironwood greater than three (3) inches at DBH. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Maple, basswood, birch, beech, ash, and pine. <u>Regen:</u> <u>Other</u> Good quality hardwood stand that is ready to be thinned. The emerald ash borer is killing the ash in the stand. The thinning will improve the growth of the residual stems. We need to obtain access into this stand through private property in order to treat the stand. <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2024</p>											



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	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
32	33069032-Cut	6.3	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	95	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Thin stand down to 70 to 80 basal area. Retain some beech and birch within the stand. Cut all ash, spruce/fir, aspen, balm, and ironwood greater than three (3) inches at DBH. A small amount of hemlock will be marked to harvest the larger hardwood trees in the stand. Some areas of the stand have a high density of hemlock, so these area will a higher residual basal area.</p> <p><u>Next Step:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Maple, basswood, beech, pine, and hemlock.</p> <p><u>Other Comment:</u> Good quality hardwood and hemlock stand that is ready to be thinned. The thinning will improve the growth of the residual stems. We need to obtain access into this stand through private property to treat the stand. This stand is in conditional range and has a canopy composition of 45% hemlock. WD and FRD are in agreement that some hemlock will be marked in order to harvest the larger hardwood trees in the stand.</p> <p><u>Site Condition:</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
33	33069033-Cut	34.5	4119 - Mixed Northern Hardwoods	Poletimber Well	86	51-80	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Thin stand down to 70 to 80 basal area. Retain some beech and birch within the stand. Cut all ash, spruce/fir, aspen, balm, and ironwood greater than three (3) inches at DBH.</p> <p><u>Next Step:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Maple, basswood, birch, beech, ash, and pine.</p> <p><u>Other Comment:</u> Moderate to low quality hardwood stand. This stand was last thinned in 2009 on contract 012-07-01. The red maple, ironwood, and spruce/fir were cut. White birch greater than twelve (12) inches was also cut. This stand has a high percentage of ash, which needs to be harvested soon to salvage as much as possible. The emerald ash borer is attacking and killing it. After the thinning some of the lower quality areas will have a lower residual basal area. The thinning will improve the growth of the residual species. We need to obtain access into this stand through private property to treat the stand.</p> <p><u>Site Condition:</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
38	33069038-Cut	11.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	88	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Thin stand down to 70 to 80 basal area. Retain some beech and birch within the stand. Cut all ash, spruce/fir, aspen, balm, and ironwood greater than three (3) inches at DBH.</p> <p><u>Next Step:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Maple, basswood, birch, beech, and ash.</p> <p><u>Other Comment:</u> Good quality hardwood stand, that was last thinned in 2009 on contract 012-07-01. The stand is ready to be thinned again. The thinning will improve the growth of the residual stems. We need to obtain access into this stand through private property to treat the stand.</p> <p><u>Site Condition:</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
41 33069041-Cut	36.2	4110 - Sugar Maple Association	Sawtimber Well	86	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand down to 70 to 80 basal area. Retain some beech and birch within the stand. Cut all ash, spruce/fir, aspen, balm, and ironwood greater than three (3) inches at DBH.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Maple, birch, basswood, beech, and ash.</p> <p><u>Other Comment:</u> Good quality hardwood stand that is ready to be thinned. The stand was last thinned in 2009 on contract 012-07-01. This stand has a high percentage of ash, which needs to be harvested soon to salvage as much as possible. The emerald ash borer is attacking and killing it. The thinning will improve the growth of the residual stems. We need to obtain access into this stand through private property to treat the stand.</p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Total Treatment 143.1
Acreage Proposed:

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dustin Salter : Examiner

Compartment: 69
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	2B	3L	5E
		With Condition	Not Available				
49	49	0	0	Aspen			
408	219	0	190	Cedar		190	
6	0	6	0	Hemlock	6		
13	13	0	0	Lowland Conifers			
68	68	0	0	Lowland Shrub			
6	6	0	0	Marsh			
20	11	9	0	Mixed Upland Deciduous	9		
109	18	91	0	Northern Hardwood	91		
54	46	0	8	Tamarack		6	1
71	63	8	0	Upland Conifers	8		
11	11	0	0	Upland Mixed Forest			
1	1	0	0	Upland Spruce/Fir			
1	1	0	0	Urban			
818	506	115	197	Total Forested Acres	115	196	1
	62%	14%	24%	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	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: We need to obtain access into this stand through private property in order to treat the stand.							
2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Dense area of cedar that was retained.							

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dustin Salter : Examiner

Compartment: 69
Year of Entry: 2025

3	Unavailable	3L: Other wildlife concerns	7	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments: Mature lowland conifer stand that was retained to provide a buffer along M-69 and to provide a wildlife travel corridor.							
4	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Good quality hardwood stand on the edge of a steep ridge. This stand is ready to be thinned. The thinning will improve the growth of the residual stems. We need to obtain access into this stand through private property in order to treat the stand.							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Upland conifer stand with some red maple and birch. The stand had a high density of balsam fir, but nearly all of it has died due to the spruce budworm. The stand is stagnant, more of the overstory should be removed to open the stand up to allow for regeneration. We need to obtain access into this stand through private property in order to treat the stand.							
6	Available	2B: Unknown if access through adjacent landowner(s) is possible	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Poor quality hardwood stand that had a high density of balsam fir, but all of it has died due to age and the spruce budworm. This stand will be opened up to allow the aspen, white pine and spruce/fir to regenerate. We need to obtain access into this stand through private property in order to treat the stand. But it looks like the adjacent private landowners are planning to harvest their timber soon.							
8	Unavailable	3L: Other wildlife concerns	190	Unspecified	Unspecified	Unspecified	Unspecified
Comments: High density cedar stand.							

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dustin Salter : Examiner

Compartment: 69
Year of Entry: 2025

9	Available	2B: Unknown if access through adjacent landowner(s) is possible	99	Unspecified	Unspecified	Unspecified	Unspecified
Comments: We need to obtain access into this stand through private property to treat the stand							

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
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
1	6229 - Mixed lowland shrub	Nonstocked	15.0		Unspecified	No	Lowland brush stand with the Ten Mile Creek flowing through the middle of it.																																												
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2	622 - Lowland Shrub	Nonstocked	5.8	0	Unspecified	613 - Lowland Mixed Forest	Stand was clearcut in 2019 on contract 007-15-01. There is some tamarack, black spruce, and balsam regeneration, but it has been too soon to be fully regenerated. There is some older tamarack regeneration on the northern end.																																												
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3	6121 - Tamarack	Sapling Well	25.8	21	Immature	N/A	Stand was clearcut in 2002 on contract 037-11-01. The cedar was retained, along with some tamarack and spruce seed trees. Fully stocked tamarack stand with some small pockets of lowland brush on the west side of the stand.																																												
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4	6121 - Tamarack	Sapling Well	21.7	34	1-50	N/A	Fully stocked tamarack stand with some residual cedar. The cedar is in a couple of clumps along with some scattered trees.																																												
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5	429 - Mixed Upland Conifers	Poletimber Well	10.1	34	1-50	N/A	Dense white pine, aspen, and tamarack stand with some residual white pine, hemlock and cedar.																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
6	429 - Mixed Upland Conifers	Sawtimber Medium	5.2	70	1-50	N/A	Mixed low quality stand. The stand had a high percentage of spruce and balsam fir, but the spruce budworm has killed most of it. The stand is mostly upland, except the northwest corner has dense lowland cedar. This stand needs to be regenerated, the other species are dying out as well. This stand will regenerate with a mix of aspen and conifers. Conifer seed trees will be retained to provide a seed source. We need to obtain access into this stand through private property in order to treat the stand.																																																						
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7	4134 - Aspen, Spruce/Fir	Sapling Well	19.8	14	Immature	N/A	Stand was clearcut in 2009 on contract 013-07-01. The aspen and hardwood was cut. The spruce/fir with more than two sticks were cut, the majority of the residual spruce/fir has died due to the spruce budworm. The stand is nearly fully stocked with aspen.																																																						
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8	42360 - Upland Cedar	Sawtimber Poor	4.6	120	1-50	N/A	Stand was cut in 2019 on contract 007-15-01. The cedar was retained. This stand has a partial overstory of cedar with some conifer regeneration beginning to regenerate.																																																						
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9	622 - Lowland Shrub	Nonstocked	6.3	0	Unspecified	612 - Lowland Coniferous Forest	Stand was clearcut in 2019 on contract 007-15-01. There is some tamarack and black spruce regeneration, but it has been too soon to be fully regenerated.																																																						
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10	6121 - Tamarack	Poletimber Well	6.5	105	81-110	N/A	Mature lowland conifer stand that was retained to provide a buffer along M-69 and to provide a wildlife travel corridor. The tamarack is dying due to the eastern larch beetle. The majority of the cedar is low quality - short and small diameter.																																																						
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11	122 - Road/Parking Lot	Nonstocked	1.1		Unspecified	No	M-69 and its ROW.																																																						



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12	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	1.2	93	51-80	N/A	Mixed upland/lowland tamarack, spruce and aspen stand. All of the species are mature and should be harvested, while we are able to salvage the majority of the stems. The ORV trail runs through the center of this stand. The tamarack is dying out of the stand due to the eastern larch beetle and the spruce and fir are dying out due to the spruce budworm.																																								
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13	6229 - Mixed lowland shrub	Nonstocked	21.6	0	Unspecified	6139 - Mixed Lowland Forest	Stand was clearcut in 2019 on contract 33-07-15. The stand has some spruce and tamarack regeneration, but too early to be fully regenerated.																																								
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14	6120 - Lowland Cedar	Poletimber Well	21.0	118	111-140	N/A	Moderate to low quality cedar stand with some small dense pockets of spruce and tamarack.																																								
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15	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Medium	9.3	118	1-50	N/A	Stand was cut in 1999 on contract 045-95-01. The cedar, hemlock, and pine was retained. The stand is two aged with a mature conifer overstory and a younger mixed understory. Most of the stand is upland, except for the northwest finger of the stand. The upland has more aspen and spruce/fir regeneration and the lowland portion has balm, spruce, and ash regeneration.																																								
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16	4110 - Sugar Maple Association	Sawtimber Medium	5.3	90	51-80	N/A	Stand was thinned in 2019 on contract 007-15-01. Good quality hardwood stand with a dense strip of hemlock on the north end of the stand.																																								
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17	4134 - Aspen, Spruce/Fir	Sapling Well	29.1	24	Immature	N/A	Fully stocked aspen stand with some residual cedar, hemlock, pine, and spruce/fir. The spruce/fir is dying out of the stand due to the spruce budworm, but there isn't enough volume to salvage it.																																																						
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18	429 - Mixed Upland Conifers	Sapling Well	7.8	23	1-50	N/A	Stand was cut in 2000 on contract 045-95-01. The hemlock, cedar, and pine was retained. The stand is two aged with a mature overstory of conifers over a fully stocked understory of aspen and mixed conifer regeneration. The southern end is lower with a higher density of mature cedar. The northern 2/3rds of the stand is upland with aspen and spruce/fir regeneration.																																																						
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19	6120 - Lowland Cedar	Poletimber Well	41.3	121	51-80	N/A	Moderate to low quality cedar stand. There is a strip of better quality cedar along the transition with the upland stands on the eastern edge. The majority of the other cedar is very low quality and not very dense.																																																						
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20	4112 - Maple, Beech, Cherry Association	Poletimber Well	5.9	86	81-110	N/A	Good quality hardwood stand on the edge of a steep ridge. This stand is ready to be thinned. The thinning will improve the growth of the residual stems. We need to obtain access into this stand through private property in order to treat the stand.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
21	429 - Mixed Upland Conifers	Sawtimber Well	9.1	115	51-80	N/A	Stand was cut in 1999-2000 on contract 045-95-01. The cedar, hemlock, pine and some spruce was retained. The stand is two aged with a mature overstory of conifer with a young understory of mixed hardwoods and balsam fir. Most of the stand is upland, except the southeast corner.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		35	Log/Pole	10	115	Black Ash		Medium	>20 feet	Sapling	
White Pine		10	Log/XLog/Pole	17	115	Bigtooth Aspen		Low	>20 feet	Sapling	
Hemlock		45	Log/Pole	11	115	Balsam Fir		Low	>20 feet	Sapling	
Black Spruce		5	Log/Pole	15	115	Tag Alder		Low	5 - 10 feet	Tall Shrub	
Paper Birch		5	Pole/Log/Sap	9	115	Balsam Poplar		Medium	>20 feet	Sapling	
22	6120 - Lowland Cedar	Poletimber Well	19.5	116	81-110	N/A	Variable quality cedar stand. The northern and eastern edges of the stand have moderate quality cedar and the remainder of the stand is much lower quality and density. There were areas of the stand that had a higher density of tamarack, but most has died due to the eastern larch beetle.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		80	Pole/Log/Sap	8	116	Tag Alder		Medium	5 - 10 feet	Tall Shrub	
Tamarack		15	Pole/Log	9	116						
Black Spruce		5	Pole/Log	9	116						
23	429 - Mixed Upland Conifers	Sawtimber Medium	2.6	116	51-80	N/A	Upland conifer stand with some red maple and birch. The stand had a high density of balsam fir, but nearly all of it has died due to the spruce budworm. The stand is stagnant, more of the overstory should be removed to open the stand up to allow for regeneration. We need to obtain access into this stand through private property in order to treat the stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Tamarack		5	Pole/Log	9	116	Tag Alder		Low	5 - 10 feet	Tall Shrub	
Northern White Cedar		25	Log/Pole	12	116	Balsam Fir		Medium	10 - 20 feet	Sapling	
White Pine		30	Log/XLog	16	116						
Hemlock		15	Log/Pole	12	116						
Red Maple		15	Log/Pole	13	116						
Black Spruce		10	Log/Pole	12	116						
24	4113 - R.Maple, Conifer	Sawtimber Well	1.3	113	51-80	N/A	Poor quality hardwood stand that had a high density of balsam fir, but all of it has died due to age and the spruce budworm. This stand will be opened up to allow the aspen, white pine and spruce/fir to regenerate. We need to obtain access into this stand through private property in order to treat the stand. But it looks like the adjacent private landowners are planning to harvest their timber soon.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		15	Log/Pole	12	113						
Quaking Aspen		5	Log/Pole	13	113						
Hemlock		5	Log/Pole	14	113						
Red Maple		60	Log/Pole	12	113						
Paper Birch		15	Pole/Log	9	113						
25	6120 - Lowland Cedar	Poletimber Well	15.5	116	111-140	N/A	Mixed cedar and tamarack stand. The tamarack is dying out of the stand, due to the eastern larch beetle. The percentage of tamarack would be higher, if a substantial amount hadn't already died. If we don't harvest the tamarack soon, all of it will be lost. We need to obtain access into this stand through private property in order to treat the stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		55	Pole/Log/Sap	9	116	Tag Alder		Low	5 - 10 feet	Tall Shrub	
Balsam Poplar		2	Log/Pole	14	105						
Tamarack		30	Pole/Log	9	105						
Black Spruce		9	Pole/Log	9	105						
White Pine		2	Log/Pole	15	116						
Paper Birch		2	Pole/Log	9	105						



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26	42360 - Upland Cedar	Sawtimber Well	6.3	113	111-140	N/A	Upland cedar stand with a mix of other species. The shorter lived species are dying out of the stand, but the stand has too much cedar to operate in the stand to harvest them.																																																											
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27	6120 - Lowland Cedar	Poletimber Well	26.0	116	51-80	N/A	Low quality cedar stand with some slightly higher ground in pockets where there is more spruce and tamarack.																																																											
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28	42360 - Upland Cedar	Sawtimber Well	9.5	116	141-170	N/A	Upland cedar stand with a mix of species. The shorter lived species are mature and should be harvested, but too much cedar would need to be harvested to operate.																																																											
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29	4319 - Mixed Upland Forest	Sapling Well	10.9	22	1-50	N/A	Stand was cut in 2001 on contract 031-00-01. The cedar, hemlock, and pine were retained. The stand is two aged, with full understory of balm and balsam fir primarily with a partial overstory of cedar, hemlock, and pine.																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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30 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 9.4 42 51-80 N/A

This stand is not quite fully mature, but the stand is in need of harvesting now. The balsam fir and spruce are dying out, due to the spruce budworm and the emerald ash borer is killing the ash. This stand will regenerate well with balm following the harvest. We need to obtain access into this stand through private property in order to treat the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	40	Pole/Sap/Log	8	42
Balsam Fir	23	Pole/Sapling	6	42
Black Spruce	2	Pole/Sapling	6	42
Red Maple	5	Pole/Sapling	6	42
Paper Birch	13	Pole/Sapling	6	42
White Ash	15	Pole/Sapling	6	42

31 4110 - Sugar Maple Association Sawtimber Well 1.7 88 111-140 N/A

Good quality hardwood stand that is ready to be thinned. The emerald ash borer is killing the ash in the stand. The thinning will improve the growth of the residual stems. We need to obtain access into this stand through private property in order to treat the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	2	Log/Pole	12	88	Beech	Low	5 - 10 feet	Sapling
Black Cherry	2	Pole/Log	9	88	Ironwood	Low	5 - 10 feet	Sapling
Balsam Fir	3	Pole/Sap/Log	8					
Red Maple	3	Log/Pole	12	88				
Basswood	5	Log/Pole	14	88				
White Ash	15	Log/Pole	13	88				
Paper Birch	10	Log/Pole	10	88				
Sugar Maple	60	Log/Pole	13	88				

32 4312 - Hemlock, Mixed Deciduous Sawtimber Well 6.3 95 141-170 N/A

Good quality hardwood and hemlock stand that is ready to be thinned. The thinning will improve the growth of the residual stems. We need to obtain access into this stand through private property to treat the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	45	Log/Pole	14	95	Ironwood	Low	10 - 20 feet	Sapling
Red Maple	5	Log/Pole	14	95				
Hemlock	45	Log/Pole	14	118				
Beech	3	Log/Pole	14	95				
Northern White Cedar	2	Log/Pole	14	118				

33 4119 - Mixed Northern Hardwoods Poletimber Well 34.5 86 51-80 N/A

Moderate to low quality hardwood stand. This stand was last thinned in 2009 on contract 012-07-01. The red maple, ironwood, and spruce/fir were cut. White birch greater than twelve (12) inches was also cut. This stand has a high percentage of ash, which needs to be harvested soon to salvage as much as possible. The emerald ash borer is attacking and killing it. After the thinning some of the lower quality areas will have a lower residual basal area. The thinning will improve the growth of the residual species. We need to obtain access into this stand through private property to treat the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	5	Pole/Log	8	86	Ironwood	Medium	5 - 10 feet	Sapling
Sugar Maple	40	Pole/Log	9	86				
Basswood	5	Log/Pole	12	86				
White Ash	25	Log/Pole	10	86				
Paper Birch	10	Pole/Log	8	86				
Hemlock	2	Log/Pole	15	86				
Balsam Fir	5	Pole/Sapling	6					
Black Ash	5	Pole/Sap/Log	7	86				
Quaking Aspen	3	Log/Pole	15	86				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																					
34	42310 - Planted Spruce	Poletimber Well	0.5	31	1-50	N/A	Planted white spruce stand. This spruce was planted over the property line. The adjacent property was previously owned by a corporation. The spruce is struggling, the spruce budworm has been causing defoliation.																					
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35	6120 - Lowland Cedar	Poletimber Medium	35.9	115	51-80	N/A	Low quality cedar stand with some some better quality and higher density of cedar along the upland transitions. The middle portion of the stand has low density and poor quality cedar. There were about 10 east-west strips cut out of this stand in 1973. These stands have regenerated poorly, there is some hardwood and conifer regeneration but all species are growing poorly.																																																																									
	Canopy Species	% Cover	Size Class	DBH	Age		----------------------	---------	------------	-----	-----		Paper Birch	5	Pole/Log	9			Black Spruce	10	Log/Pole	10	115		Northern White Cedar	75	Pole/Log	9	115		Tamarack	10	Log/Pole	10	115				Sub-Canopy Species	Density	Avg. Height	Size		--------------------	---------	-------------	------------		Balsam Fir	Low	>20 feet	Sapling		Tag Alder	Medium	5 - 10 feet	Tall Shrub		Paper Birch	Low	>20 feet	Sapling		Balsam Poplar	Low	>20 feet	Sapling		Black Ash	Low	>20 feet	Sapling								
36	622 - Lowland Shrub	Nonstocked	10.4	0	Unspecified	6122 - Black Spruce	Stand was clearcut in 2022 on contract 011-17-01. Some seed tree clumps were retained. This stand was prepared with comp 71 to the south. The stand has some existing regeneration.																																																																									
			Sub-Canopy Species	Density	Avg. Height	Size		--------------------	---------	-------------	------------		Tag Alder	Low	5 - 10 feet	Tall Shrub		Black Spruce	Low	< 5 feet	Sapling		Tamarack	Low	< 5 feet	Sapling																																																						
37	429 - Mixed Upland Conifers	Poletimber Well	16.5	36	51-80	N/A	Fully stocked stand with a mix of mature hemlock, cedar, and some hardwoods and 36 year old balsam fir/spruce and balm. This stand was last harvested in 1987. The spruce budworm is defoliating the spruce/fir but there isn't enough volume to salvage it.																																																																									
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38	4112 - Maple, Beech, Cherry Association	Sawtimber Well	11.3	88	111-140	N/A	Good quality hardwood stand, that was last thinned in 2009 on contract 012-07-01. The stand is ready to be thinned again. The thinning will improve the growth of the residual stems. We need to obtain access into this stand through private property to treat the stand.																																																																									
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39	42360 - Upland Cedar	Sawtimber Well	14.6	106	171-200	N/A	Upland ridge of high quality cedar, hemlock, red maple, and birch. The hardwood and the other shorter lived species are dying out of the stand, but too much cedar would need to be harvested to cut the other species.																																																							
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40	6230 - Cattail	Nonstocked	6.1		Unspecified	No	Lowland brush and cattails. The stand had cedar throughout it, but it has been flooded out and all of the cedar has died.																																																							
41	4110 - Sugar Maple Association	Sawtimber Well	36.2	86	111-140	N/A	Good quality hardwood stand that is ready to be thinned. The stand was last thinned in 2009 on contract 012-07-01. This stand has a high percentage of ash, which needs to be harvested soon to salvage as much as possible. The emerald ash borer is attacking and killing it. The thinning will improve the growth of the residual stems. We need to obtain access into this stand through private property to treat the stand.																																																							
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42	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	10.9	36	1-50	N/A	Narrow mixed upland stand with a wide variety of species. This stand was last harvested in 1987. The spruce budworm is defoliating the spruce/fir but there isn't enough volume to salvage it.																																																							
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43	622 - Lowland Shrub	Nonstocked	9.4	0	Unspecified	6129 - Mixed Coniferous Lowland Forest	Stand was clearcut in 2018 on contract 008-15-01. This stand has some regeneration, but will need more time to fully regenerate.																																																							
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44	6120 - Lowland Cedar	Poletimber Well	214.2	113	81-110	N/A	Overall low quality cedar stand, except the cedar along the transition zones is slightly better quality. The southern half of the stand has very low quality cedar, with very low density.																																																						
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45	6129 - Mixed Coniferous Lowland Forest	Sapling Well	5.2	5	Immature	N/A	Stand is regenerating very well with a mix of lowland conifer species. Stand was clearcut in 2018 on contract 008-15-01.																																																						
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46	6129 - Mixed Coniferous Lowland Forest	Sapling Well	7.6	5	Immature	N/A	Stand is regenerating very well with a mix of lowland conifer species. Stand was clearcut in 2018 on contract 008-15-01.																																																						
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47	42390 - Mixed Non-Pine Upland Conifers	Sapling Well	9.4	31	1-50	N/A	Fully stocked two aged stand, with a mature overstory of hemlock and cedar over younger balsam fir and white pine. The stand was cut in 1992 on contract 014-92-01. The spruce budworm is defoliating the spruce/fir, but there isn't enough to salvage it.																																																						
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48	4119 - Mixed Northern Hardwoods	Poletimber Well	12.9	88	51-80	N/A	Good quality hardwood stand, that was last thinned in 2018 on contract 008-15-01. The stand was previously thinned in 1992 on contract 014-92-01.																																																						
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