



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45137

Entry Year 2025

Acreage: 1,945

County Mackinac

Management Area: St. Ignace Lake Plain

Stand Examiner: Cody Flatt

Legal Description:

T43N-R7W, Sections 16 - 18

Identified Planning Goals:

The compartment is located 2 miles south of Rexton and 4 ½ miles northwest of Epoufette. The compartment has a wide variety of timber types with red pine, maple, aspen and swamp conifer making up the majority. The red pine was original planted in 1931 to 1937. Some of the original plantations have been clearcut and replanted back to red pine from 1986 to 2002. Some acres have been converted to aspen when the plantation failed. Some red pine stands are proposed for final harvested and replanted to red pine this year of entry. There are other red pine stands proposed for thinning to maintain age class diversity. There is also Northern Hardwood stands proposed for thinning and Aspen stands proposed for final harvest. Davenport Creek and some of the tributaries which are trout streams flow through this compartment. The banks down to the streams are very steep and tree cover needs to be maintained to protect the bank from erosion. Buffers will be maintained along the stream banks to protect them from erosion caused by equipment.

Soil and topography:

The majority of the compartment is on the outwash plain and lake plains on the level to undulating ground. The banks along the streams are steep from the past water movement. The soils within the majority of the upland types are Wallace sand, with Kalkaska sand, Springlake loamy coarse sand, Paquin sand and Adams sandy loam making up the remainder of the upland. The transition zone soils are Spot-Finch Complex, Paquin-Finch sands, and Markey-Spot-Finch Complex. The lowland area soils are Leafriver mucky peat and Histosols and Aquents.

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

One private parcel of 2.7 acres is located in Section 18 along the Hog Island Road. State land adjoins the compartment on the west, south, north and south half of the east side. Section 16 has one quarter of a mile of private land on the east. The "residential" burgs of DeRushaville to the north and Sand Lake Hamlet to the south are areas with small population developments.

Unique Natural Features:

There is a potential for rare threatened or endangered plant and animal species within the compartment. Stands to be managed will be checked for species of concern. Management will be modified if species are found within those stands per management guidelines for that species.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

The Davenport Creek and the tributaries will have a buffer zone maintained to prevent erosion. Conifer species will be encouraged along the streams to discourage beaver activity on the trout stream waters. The planned harvesting activities should not conflict with the snowmobile trail on the Hog Island Road.

Watershed and Fisheries Considerations:

This compartment contains headwater reaches of Davenport Creek. Davenport Creek is a designated Type 1 trout stream less than 50 foot wide and has a predicted mean July temperature of 59.9 °F (cold stream). A 300-foot buffer is recommended for Davenport Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot plus 5 feet per 1% increase in slope, buffer is recommended in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is part of the St. Ignace Lake Plain Management Area. The original surveyor's notes show that this area contained a diversity of tree species in the pre-settlement forest. The assemblage of tree species includes hemlock, white birch, yellow birch, sugar maple, black ash, aspen, elm, red maple, and cedar. Lowlands also contained spruce and tamarack. Mixed hardwood and conifer stands appear to be less prevalent while aspen appears to be more prevalent in

today's forest than during pre-settlement times. Red pine was planted in parts of the western portion of the compartment. Wildlife habitat objectives in this compartment include promoting age-class and structural diversity between aspen stands, maintaining diversity in hardwoods, and maintaining the cedar and lowland conifer habitat. Much of the compartment provides wintering cover for white-tailed deer. This cover is also important for snowshoe hare and black bear. Cedar and other closed canopy conifer cover will be left to maintain this habitat. Harvests in upland deciduous stands will take place during the winter months to allow tops to be available as browse for deer. Diversity will be maintained in northern hardwoods by maintaining or enhancing species and structural diversity including retaining yellow birch, hemlock, and white pine. This will benefit hawks, woodpeckers, blackburnian warbler, black-throated blue warbler, and other birds. Aspen stands will be maintained and age class diversity will be promoted between these stands, which will benefit ruffed grouse, snowshoe hare, American woodcock, and other species.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel and peat and muck. There is insufficient data to determine the glacial drift thickness. The Silurian Engadine Group subcrops below the glacial drift. The Engadine is quarried for stone/limestone eleven miles to the east. The nearest gravel pit is located two miles to the north, but there may be some potential on the upland areas. No known potential exists for commercial oil & gas production in this part of the state, and there is no known metallic mineral potential in this area. The nearest active sand/gravel operations are more than two miles north. Some potential for sand exists within the compartment on the uplands, particularly in the NE/4 of Sec 16, but the compartment might be too far from populated areas (commercial markets) for any aggregate resources present to have much economic value beyond use by the county road commission or DNR for road maintenance. There may be potential for high-purity dolomite beneath the compartment, but it may be too deep and/or too far from existing infrastructure to have significant potential for economic development. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

The access to within the compartment is good from east and west side. The Hog Island Road is a seasonal county maintained sand road provides the access to the west side. Hiawatha Trail is a paved county road on the east side. The Derusha Road is a dirt county road through the north portion of section 16. The Tilden Road is a DNR maintained dirt road in section 18. Multiple two tracks provide access to the remainder the high ground within the compartment.

Survey Needs:

Recreational Facilities and Opportunities:

Snowmobile trail 473 traverses the western boundary of this compartment. No other developed recreational facilities are located within the compartment.

Fire Protection:

The potential for wildfire is moderate to low with the drainages of Davenport Creek making good fire breaks. The compartment has evidence of 2 wildfires within the past 20 years. They burned small areas and were likely lightning strike caused fires. The pine stands increase the potential for fire spread. Prescribed fire has been used on the recently final harvested pine stands therefore reducing the fire potential in those stands. The access to most of the compartment is good with the series of two track trails off of the county roads. Troll Fire burned to the south of compartment.

Additional Compartment Information:

None

The following reports from the Inventory are attached:

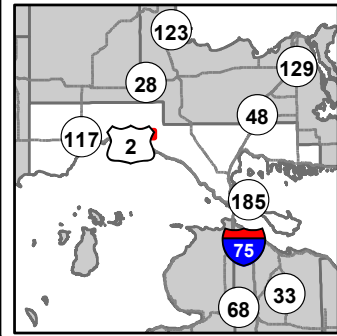
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

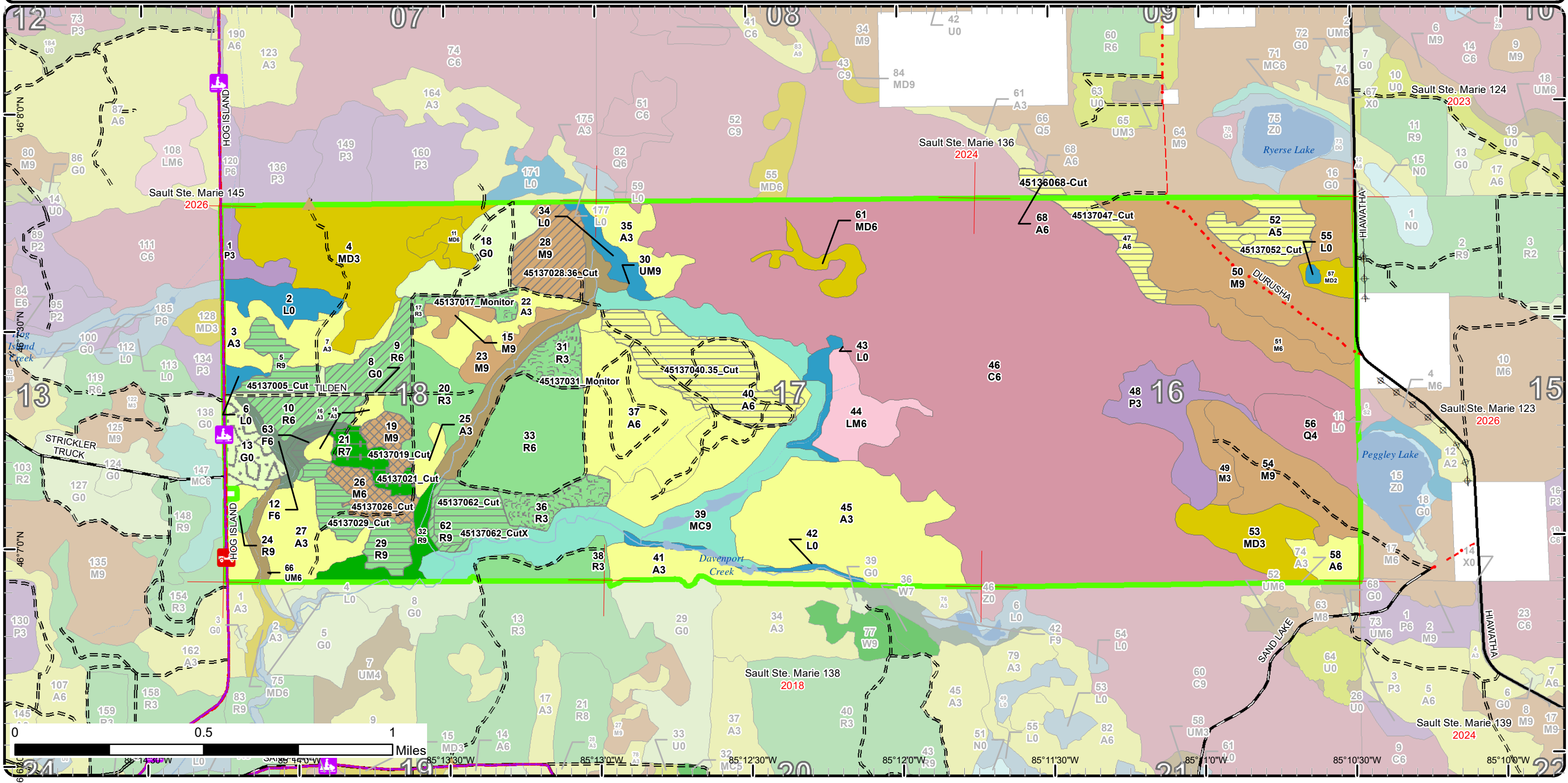
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 137
 T43N, R07W, Sec. 16-18
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: St. Ignace Lake Plain
 YOE: 2025
 Acres: 1945.4 GIS Calculated
 Examiner: Cody Flatt
 Map Revised: 8/7/2023
 Map Phase: Web Post



- Miris Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- ORV Routes
- Snowmobile Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Monitoring
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 629 - Mixed Non-forested Wetland



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	148	43	60	176	0	0	0	0	0	0	0	0	0	0	0	0	426
Cedar	0	0	0	0	0	0	0	0	0	0	0	609	0	0	0	0	0	0	609
Herbaceous Openland	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Lowland Aspen/Balsam Poplar	0	0	33	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	27
Lowland Mixed Forest	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	24
Lowland Shrub	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Mixed Upland Deciduous	0	0	29	0	94	0	0	0	0	11	0	0	0	0	0	0	0	0	134
Northern Hardwood	0	0	0	0	11	0	0	13	18	184	0	0	0	0	0	0	0	0	226
Red Pine	0	61	0	66	14	19	0	0	0	15	67	0	0	0	0	0	0	0	241
Upland Conifers	0	0	0	0	0	0	0	0	0	85	0	0	0	0	0	0	0	0	85
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	5	24	0	0	0	0	0	0	0	29
Upland Spruce/Fir	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	10
Total	90	61	210	109	190	205	0	37	18	300	91	609	27	0	0	0	0	0	1944



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2025

Acres of Harvest

Compartment 137
Total Compartment Acres: 1,945

Commercial Harvest - 230
Harvests with Site Condition - 0
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
Aspen	83	0	0	0	0	0	0	0	0	83
Northern Hardwood	0	22	0	0	0	25	0	0	0	46
Red Pine	50	0	0	0	0	37	12	0	0	99
Upland Spruce/Fir	2	0	0	0	0	0	0	0	0	2
Total	135	22	0	0	0	61	12	0	0	230

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	230	0	0	0	0	0	49	0	0	278
Next Step	0	103	52	0	52	152	235	50	0	644
Total	230	103	52	0	52	152	284	50	0	922



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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Proposed Treatments:

68	45136068-Cut	4.1	4130 - Aspen	Poletimber Well	40	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Cut all deciduous trees 2" or greater at DBH and all conifer trees 4" or greater at DBH, except do not cut cedar. Stay out of lower cedar ground and do not go into hardwood stand. Treatment size may vary.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Aspen, maple, birch, cherry, spruce/fir

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

5	45137005_Cut	13.6	42110 - Planted Red Pine	Sawtimber Well	90	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
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Prescription Cut all trees 1" or greater at DBH.
Specs: No retention due to follow up planting operations. Treatment size may vary

Next Step Burn, Slash; SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Pesticide, Skidder -
Treatments: Release; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial

Acceptable Regen: RP

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

9	45137009_Cut	18.8	42110 - Planted Red Pine	Poletimber Well	43	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Mark stand to 120-140 BA
Specs:

Next Step
Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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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
10 45137010_Cut	13.8	42110 - Planted Red Pine	Poletimber Well	35	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand to 120-140 BA. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
19 45137019_Cut	8.6	4110 - Sugar Maple Association	Sawtimber Well	75	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to 80 BA. Promote species diversity whenever possible. Create regen gaps where appropriate to promote hardwood regeneration and expand existing gaps if good regeneration already exists. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Maple, cherry, birch, beech, aspen <u>Regen:</u> <u>Other</u> Winter cut only for deer browse <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
21 45137021_Cut	12.2	42210 - Natural Red Pine	Sawtimber Poor	89	1-50	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Cut overstory red pine out of stand leaving advanced regeneration present. Leave 1-2 red pine per acre. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, maple, cherry, birch, spruce, fir, pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
26 45137026_Cut	13.0	4112 - Maple, Beech, Cherry Association	Poletimber Well	65	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to 80BA. Promote species diversity whenever possible. Create regen gaps where appropriate to promote hardwood regeneration and expand existing gaps if good regeneration already exists. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Maple, cherry, birch, beech, aspen, pine, spruce, fir <u>Regen:</u> <u>Other</u> Winter cut only for deer browse <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										



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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
29	45137029_Cut	20.6	42110 - Planted Red Pine	Sawtimber Well	90	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Cut all trees 1" or greater at DBH. No retention due to follow up planting operations. Treatment size may vary.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Burn, Slash; SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Pesticide, Skidder - <u>Treatments:</u> Release; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial</p> <p><u>Acceptable</u> RP <u>Regen:</u></p> <p><u>Other</u> Buffer minimum 100-foot plus 5 feet per 1% increase in slope <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
47	45137047_Cut	13.6	4134 - Aspen, Spruce/Fir	Poletimber Well	45	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all deciduous trees 2" or greater at DBH and all conifer trees 4" or greater at DBH, except do not cut cedar. Stay out of lower cedar <u>Specs:</u> ground and do not go into hardwood stand. Some steep ground may not be able to be cut. No retention due to operability on narrow ridge. Treatment size may vary.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, maple, birch, cherry, spruce/fir, <u>Regen:</u></p> <p><u>Other</u> Winter cut only for deer browse <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
52	45137052_Cut	21.0	4139 - Aspen, Mixed Deciduous	Poletimber Medium	30	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all trees 4" or greater at DBH. Buffer vernal pool. Leave 3%-10% retention which includes some scattered trees. Treatment size may vary <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, maple, cherry, birch, spruce, fir <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
62	45137062_Cut	15.7	42110 - Planted Red Pine	Sawtimber Well	93	141-170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest red pine plantation. Harvest all species over 1" DBH. Retention will be left in buffer of creek. Treatment size may vary <u>Specs:</u> depending on buffer boundary.</p> <p><u>Next Step</u> Burn, Slash; SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Pesticide, Skidder - <u>Treatments:</u> Release; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial</p> <p><u>Acceptable</u> RP <u>Regen:</u></p> <p><u>Other</u> Buffer a minimum 100-foot plus 5 feet per 1% increase in slope <u>Comment:</u></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
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62	45137062_Cut X	4.0	42110 - Planted Red Pine	Sawtimber Well	93	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin red pine in RMZ to 60-80 BA. Leave as long term retention following harvest. Do not extend boundary down slope toward creek.
Specs: Treatment size may vary depending on boundary edge.

Next Step
Treatments:

Acceptable RP
Regen:

Other This will be the buffer between clearcut and creek. Minimum 100 foot plus 5 feet per 1% increase in slope from floodplain edge.
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

63	45137063_Cut	1.7	42340 - Upland Spruce/Fir	Poetimber Well	45	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Cut all trees 1" or greater at DBH. Buffer drainage. Treatment size may vary.
Specs:

Next Step Burn, Slash; SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Pesticide, Skidder -
Treatments: Release; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Maple, spruce, fir, cherry, birch, pine
Regen:

Other Buffer minimum 100-foot plus 5 feet per 1% increase in slope
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

Approved Treatments:

13	45137013_Monitor	15.5	3105 - Mixed Upland Herbaceous	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
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Prescription regen check
Specs:

Next Step Monitoring, Herbicide Use; Pesticide, Aerial - Release
Treatments:

Acceptable RP
Regen:

Other Percent to Treat = 100%
Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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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17	45137017_Monitor	6.9	42110 - Planted Red Pine	Sapling Well	9	Immature	Monitoring	Herbicide Use	4211 - Planted Red Pine	Even-Aged	No
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Prescription Monitor for release and pest issues. Spray as needed.

Specs:

Next Step Pesticide, (Inactive)Aerial

Treatments:

Acceptable RP

Regen:

Other Re- Planted in 2014.

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

28	45137028.36_Cut	24.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	81	111-140	Harvest	Crown Thinning	4111 - S.Maple, Hard Mast Association	Even-Aged	No
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Prescription Thin the basal area in this stand down to regulation, approximately 80 basal area. Do not cut any Yellow birch, Hemlock, or White Pine.

Specs: Winter cut.

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments: N/A

Comment:

Site Condition

Proposed Start Date: 10/1 /2019

31	45137031_Monitor	12.5	42110 - Planted Red Pine	Sapling Well	9	Immature	Monitoring	Herbicide Use	4211 - Planted Red Pine	Even-Aged	No
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Prescription Monitor for release and pest issues. Spray as needed.

Specs:

Next Step Pesticide, (Inactive)Aerial

Treatments:

Acceptable RP

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

36	45137036_Monitor	13.8	42110 - Planted Red Pine	Sapling Well	9	Immature	Monitoring	Herbicide Use	4211 - Planted Red Pine	Even-Aged	No
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Prescription Monitor for release and pest issues. Spray as needed.

Specs:

Next Step Pesticide, (Inactive)Aerial

Treatments:

Acceptable RP

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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
40 45137040.35_ Cut	48.3	4134 - Aspen, Spruce/Fir	Poletimber Well	47	141- 170	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Not good quality aspen. Clear cut the stand with attention to retention guidelines. Do not cut any of the scattered white pine. Winter cut and encourage slash piles for habitat considerations, particularly in areas closer to low conifer cover. No chipping.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce, black spruce, cedar, tamarack and white pine.</p> <p><u>Other Comment:</u> Old next step comments: Follow up harvest with a regeneration survey per work instructions. Acceptable regeneration will be any mix of aspen, conifer, cherry, maple, pine, or birch.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2019</p>										

Total Treatment Acreage Proposed: 282.4

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Cody Flatt : Examiner

Compartment: 137

Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions			
Acres	Available	With Condition	Not Available	2F	3H	3J	5D
426	425	0	1	Aspen		0	1
609	1	0	608	Cedar	1	608	0
49	49	0	0	Herbaceous Openland			
43	43	0	0	Lowland Aspen/Balsam Poplar			0
27	1	0	26	Lowland Conifers			26
24	24	0	0	Lowland Mixed Forest			
41	41	0	0	Lowland Shrub			
134	123	0	11	Mixed Upland Deciduous		11	
226	206	0	20	Northern Hardwood	19		0
242	228	0	14	Red Pine			14
85	0	0	85	Upland Conifers			85
29	0	0	29	Upland Mixed Forest			29
10	2	0	8	Upland Spruce/Fir			8
1,945	1,144		802	Total Forested Acres	20	619	136
	59%		41%	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	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	619	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2F: Too steep	20		Unspecified	Unspecified	Unspecified
Comments: Steep Slope in transition between cedar and hardwood stands.							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Cody Flatt : Examiner

Compartment: 137

Year of Entry: 2025

3	Unavailable	5D: Unproductive Forest Land	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	122	2F: Too steep	3B: Threatened, endangered, and special concern species	5F: Evaluated for Forest Health Considerations	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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



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	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
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.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
1	6112 - Lowland Aspen	Sapling Well	10.7	32	Immature	N/A	Stand is very wet portion of large cut from 1991. Variable size and composition throughout.																																											
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2	629 - Mixed non-forested wetland	Nonstocked	14.7		Unspecified	No	In spring this stand floods into adjacent stands and onto road																																											
3	4130 - Aspen	Sapling Well	17.7	14	Immature	N/A	Stand was cut in 2009. Aspen and cherry regen with mix of White pine retention.																																											
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4	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	79.3	32	Immature	N/A	Stand was cut in 1991. Ground can get wet in portions of stand, especially near stands 1 and 2. mixed aspen, balm and conifer.																																											
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5	42110 - Planted Red Pine	Sawtimber Well	13.6	90	111-140	N/A	Stand of tall good looking red pine.																																											
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7	4130 - Aspen	Sapling Well	8.4	32	Immature	N/A	Stand is variable size and density. remnant of cut in 1991. There are scattered white pine here an there. Real mix of big tooth, quaking, and balm.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
8	310 - Herbaceous Openland	Nonstocked	4.0		Unspecified	No																																														
9	42110 - Planted Red Pine	Poletimber Well	18.8	43	171-200	N/A	Stand of good looking red pine. Was thinned in 2018.																																													
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10	42110 - Planted Red Pine	Poletimber Well	13.8	35	141-170	N/A	Stand was thinned in 2017. High BA in areas, could thin again.																																													
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11	4199 - Other Mixed Upland Deciduous	Poletimber Well	8.2	36	81-110	N/A	Mix of small diameter aspen, balm, maple and some scattered cherry. check in 10 or 20 years.																																													
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12	42340 - Upland Spruce/Fir	Poletimber Well	6.6	45	81-110	N/A	Stand is buffer along creek corridor. Variable mix of spruce/fir, maple, aspen, and scattered small pine.																																													
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13	3105 - Mixed Upland Herbaceous	Nonstocked	16.1	0	Unspecified	4211 - Planted Red Pine	Stand is opening with planted RP seedlings, very little competition at this time, continue to monitor. Cut in 2017. Roller chopped and trenched in 2019. Site sprayed on 9/13/21. Stand planted to RP in 2022, 5/3/2022 at 910 tr/ac 07/2022- Site spray was effective. Maple, aspen and cherry dead and/or wilting. Good coverage. First year regen survey completed 09/17/222. 814 TPA, 89% FTG, 1% mortality. Little competition.																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
14	4130 - Aspen	Sapling Well	2.9	34	Immature	N/A	Stand of aspen regeneration mixed with some cherry and maple. Cut in 1999.																																													
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15	4112 - Maple, Beech, Cherry Association	Sawtimber Well	5.1	87	81-110	N/A	Stand was thinned in 2009. Mix of poor quality hardwood. Mix of red maple, sugar maple, some birch and beech.																																													
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16	4130 - Aspen	Sapling Well	2.7	34	Immature	N/A	Stand of aspen regen with mix of some conifer. Stand was cut in 1999.																																													
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17	42110 - Planted Red Pine	Sapling Well	8.0	9	Immature	N/A	Re-Planted in 2014. FTP 44-547. Release sprayed in 2016. 1st and 3rd year regen surveys completed. Continue to monitor for pest and release, spraying as needed.																																													
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18	310 - Herbaceous Openland	Nonstocked	28.7		Unspecified	No	Scattered cherry throughout with some pine																																													
19	4110 - Sugar Maple Association	Sawtimber Well	8.6	75	111-140	N/A	Decent looking sugar maple stand. Fully stocked seedling layer																																													
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20	42110 - Planted Red Pine	Sapling Well	26.1	9	Immature	N/A	Re-Planted in 2014. FTP 44-547. Release sprayed in 2016. 1st and 3rd year regen surveys completed. Continue to monitor for pest and release, spraying as needed. 1/11/23 - PCT contract release work treatment removed per TMS - JAT																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
21	42210 - Natural Red Pine	Sawtimber Poor	12.2	89	1-50	N/A	Stand is a mix of thick aspen and maple sapling 10-20' tall with overstory red pine. There understory is too thick to try to replant red pine back in stand.																																				
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22	4130 - Aspen	Sapling Well	18.3	15	Immature	N/A	Stand was cut in 2098. Good looking stand of Aspen regeneration.																																				
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23	4112 - Maple, Beech, Cherry Association	Sawtimber Well	9.6	70	81-110	N/A	Red and sugar maple mix. BA is clumpy																																				
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24	42110 - Planted Red Pine	Sawtimber Well	3.2	85	81-110	N/A	Very open stand of mature red pine, maple regen in finger of stand by private property. Stand was cut in 11/17 by Cutting Edge Forest Products.																																				
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26	4112 - Maple, Beech, Cherry Association	Poletimber Well	13.0	65	111-140	N/A	Good amount of regen., maple and beech. Large red pine mixed in overstory.																																				
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27	4130 - Aspen	Sapling Well	37.0	25	Immature	N/A	Stand of aspen regen with mix of some cherry and maple. Cut in 1998.																																				
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28	4112 - Maple, Beech, Cherry Association	Sawtimber Well	24.7	81	111-140	N/A	Stand of decent quality sugar maple with a mix of red and some scattered conifer.																																
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29	42110 - Planted Red Pine	Sawtimber Well	20.8	90	111-140	N/A	Nice stand of red pine, understory regen is starting to become a problem, should harvest and replant before regen establishes too much. Previous Notes-Nice stand of red pine. There is enough ba to thin this entry and save final harvest for future/age class diversity. Stand was cut in 11/17 by Cutting Edge Forest Products.																																
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30	4319 - Mixed Upland Forest	Sawtimber Well	24.0	93	141-170	N/A	Stand is retention left as buffer along creek. Retain.																																
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31	42110 - Planted Red Pine	Sapling Well	12.5	9	Immature	N/A	Variable height and diameter from two different plantings. Open pockets, cherry and maple scattered throughout. Some mortality in smaller saplings. Density closer to 75% than 100% Re-Planted in 2014. FTP 44-547. Release sprayed in 2016. 1st and 3rd year regen surveys completed. Continue to monitor for pest and release, spraying as needed.																																
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32	42210 - Natural Red Pine	Sawtimber Well	13.3	99	141-170	N/A	Stand is buffer on steep slope of creek corridor. Mix of Red pine, White pine, and spruce/fir.																																
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33	42110 - Planted Red Pine	Poletimber Well	50.2	23	141-170	N/A	Planted in 2000. Pockets of aspen in south end of stand																																
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34	629 - Mixed non-forested wetland	Nonstocked	9.1		Unspecified	No	Stand swapped from Forested to Non-Forested.																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
35	4134 - Aspen, Spruce/Fir	Sapling Well	18.3	12	Immature	N/A	Cut in 2011.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		70	Sapling	2	12		
Balsam Poplar		10	Sapling	1			
Balsam Fir		20	Sapling	1			
36	42110 - Planted Red Pine	Sapling Well	13.9	9	Immature	N/A	Variable heights and diameter from two different plantings. Some open areas, scattered maple and aspen throughout. Re-Planted in 2014. FTP 44-547. Release sprayed in 2016. 1st and 3rd year regen surveys completed. Continue to monitor for pest and release, spraying as needed.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		2	Sapling	1			
Red Pine		95	Sapling	2	9		
Red Maple		3	Sapling	1			
37	4134 - Aspen, Spruce/Fir	Poletimber Well	58.4	47	1-50	N/A	Stand of variable size, quality and cover type. Clearcut in 1976. Not the best stand. Still not merchantable size, some areas are sparse. Hold for more diameter growth
Canopy Species		% Cover	Size Class	DBH	Age		
Black Cherry		20	Sapling/Pole	4			
Quaking Aspen		45	Pole/Sapling	5	47		
White Spruce		10	Pole/Sapling	5			
Balsam Fir		10	Pole/Sapling	5			
Red Maple		15	Sapling/Pole	4			
Sub-Canopy Species		Density	Avg. Height	Size			
Aspen (spp.)		Medium	Variable	Sapling			
Maple (spp.)		Medium	Variable	Sapling			
38	42110 - Planted Red Pine	Sapling Well	15.5	26	Immature	N/A	R3 cut in 1997. Has been released sprayed numerous times and advanced beyond competition.
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		10	Sapling	2			
Red Pine		90	Sapling/Pole	3	26		
39	429 - Mixed Upland Conifers	Sawtimber Well	84.7	87	141-170	N/A	Stand is mix of large diameter spruce, with aspen and some large red pine. Red maple scattered throughout. Creek buffer retention
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		20	Pole	8			
Red Maple		15	Pole	8			
Red Pine		30	Log/Pole	16			
White Spruce		35	Log	12	87		
Sub-Canopy Species		Density	Avg. Height	Size			
Bigtooth Aspen		Low	Variable	Sapling			
Maple (spp.)		Low	Variable	Sapling			
Conifers		Medium	Variable	Sapling			
40	4134 - Aspen, Spruce/Fir	Poletimber Well	92.2	47	141-170	N/A	Stand of variable sized aspen with mix of spruce and balsam. Some scattered white pine throughout. Southern part of stand not merchantable yet, north part of stand is under contract as part of Two Prong Mix.
Canopy Species		% Cover	Size Class	DBH	Age		
Black Cherry		5	Sapling/Pole	3			
White Spruce		10	Pole	6			
Red Maple		15	Pole	6			
Balsam Fir		25	Pole	7			
Quaking Aspen		45	Pole	6	47		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
41	4139 - Aspen, Mixed Deciduous	Sapling Well	23.9	38	81-110	N/A	Aspen mixed with cherry, maple, and conifer. A sliver of this stand was cut with stand 34 to the south in comp 138. Most of stand buffers a tributary of Davenport Creek.																																																													
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42	629 - Mixed non-forested wetland	Nonstocked	5.5		Unspecified	No	Tributary of Davenport Creek.																																																													
43	629 - Mixed non-forested wetland	Nonstocked	7.4		Unspecified	No	Davenport Creek																																																													
44	6139 - Mixed Lowland Forest	Poletimber Well	24.4	65	81-110	N/A	Mackinac Mix stand, lots of fir/spruce in south part of stand with mixed aspen and red maple, transitions to paper birch and maple in north part of stand. Scattered cedar and pine with thicker cedar on east boundary that transitions to cedar stand. Two drainages cross stand east to west into Davenport Creek. Bridge needed for access through stand 45.																																																													
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46	6120 - Lowland Cedar	Poletimber Well	609.2	105	81-110	N/A	Stand of very wet cedar with some fir and aspen on hummocks. Stand lies in lowland at very bottom of steep slope to east.																																																													
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47	4134 - Aspen, Spruce/Fir	Poletimber Well	13.6	45	81-110	N/A	Narrow stand along ridge. Transition between hardwood upland down to lowland cedar.																																															
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48	6112 - Lowland Aspen	Sapling Well	32.5	16	Immature	N/A	Mackinac mix regeneration. Cut in 2007.																																															
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49	4119 - Mixed Northern Hardwoods	Sapling Well	10.6	32	Immature	N/A	Stand is dense cover of 10-20' tall mix of paper birch, cherry, and red maple. Was cut in 1991.																																															
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50	4111 - S.Maple, Hard Mast Association	Sawtimber Well	88.5	84	81-110	N/A	Stand was harvested in 2015-2016. Nice looking sugar maple mix. Good amount of maple regeneration established, some advanced.																																															
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51	4112 - Maple, Beech, Cherry Association	Poletimber Well	22.5	87	111-140	N/A	Very narrow stand of mixed hardwood that lies on very steep slope between hardwood and cedar swamp. Too steep to harvest, acts as good buffer to cedar.																																															
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52	4139 - Aspen, Mixed Deciduous	Poletimber Medium	21.7	30	51-80	N/A	2023- Some areas are thicker with nice aspen, red maple, fir poles. Other areas are opening that has filled in to maple, cherry saplings and brush.																																																		
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53	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	29.4	16	Immature	N/A	Stand was cc in 2007. Good amount of mixed regeneration. Stand has aspen, maples, birch, cherry, balsam and spruce all represented variably over the stand.																																																		
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54	4111 - S.Maple, Hard Mast Association	Sawtimber Well	42.9	85	81-110	N/A	Stand was thinned in 2007 and timber sale 45-101-16 All-Season Hardwood cut in 6/18. Good looking sugar maple. Fair amount of beech remains. Red maple on ridge to west that is quite steep drop-off in places. Yellow birch scattered.																																																		
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55	629 - Mixed non-forested wetland	Nonstocked	1.1		Unspecified	No																																																			
56	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	27.1	110	1-50	N/A	Real poor productivity in fringe area around Peggley Lake. Mix of tamarack, spruce, cedar, tag alder. Sparse and variable.																																																		
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57	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	6.4	30	Immature	N/A	Stand was grass opening in previous inventory. It has filled in with mix of poor quality brush, mix of cherry, aspen, maple, and balsam in places. Will be Mackinac mix when mature...																																																		
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58	4134 - Aspen, Spruce/Fir	Poletimber Well	11.5	44	81-110	N/A	Cut in 1979. Mixed stand, some good looking poles, wait for added diameter																																																							
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61	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	11.2	81	81-110	N/A	Stand is a ridge of paper birch, aspen, bam, and spruce/fir within a larger cedar stand. Looks to be a continuation of stand 55 of compartment 136 to the north. 2022- Cannot treat at his time due to no harvest of cedar in deer wintering complex. Decision made at 2022 compartment review for compartment 136.																																																							
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62	42110 - Planted Red Pine	Sawtimber Well	19.7	93	141-170	N/A	Red Pine plantation that was not harvested with surrounding stands. Ave 16" diameter. Mostly red maple regen in understory, has been severely browsed to about 6' in height.																																																							
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63	42340 - Upland Spruce/Fir	Poletimber Well	3.6	45	81-110	N/A	Stand was split from stand 12, this part of stand does not have drainage or creek in it. Is a mix of spruce/fir with red maple, white pine and red pine. Was possibly planted red pine at one time as there are very large red pine throughout. Part of stand is buffer along creek corridor. Variable mix of spruce/fir, maple, aspen, and scattered small pine.																																																							
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66	4319 - Mixed Upland Forest	Poletimber Well	5.2	88	81-110	N/A	Stand is buffer from stand 27 cut, creek runs through stand, steep banks in places.																																																							
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