



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45140

Entry Year 2022

Acreage: 1,910

County Mackinac

Management Area: Strickler Aspen

Revision Date: 2020-07-29

Stand Examiner: Andrew Krugh

Legal Description:

T 44 N R 7 W Sections 28, 29 & 30

Identified Planning Goals:

Manage area for forest resources, wildlife, and recreation. Most of this area has been hit hard within the last few inventory cycles. This area is mainly poplar and red pine. When regenerating red pine try and make harvest to facilitate future plantations and quality products.

Soil and topography:

The soils are primarily composed of Wallace sand, Paquin-Spot complex, Pullup sand, Paquin sand and Paquin-Finch complex in the uplands. The transition areas to lowland areas are Markey-Spot-Finch complex, Spot-Finch complex, Finch sand, and Markey and Carbondale Mucks. The terrain is level to rolling with a few small steep ridges and grading to wet areas. The compartment has some small streams and drainages.

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

The compartment and surrounding sections are completely in state ownership with only one 40 acre parcel south east of section 28.

Unique Natural Features:

There is a potential for rare, threatened or endangered plant and animal species and natural communities within this compartment.

Archeological, Historical, and Cultural Features:

None found or noted for this compartment.

Special Management Designations or Considerations:

BMP guidelines will be adhered to along the stream corridors.

Watershed and Fisheries Considerations:

This compartment contains stream reaches of Paquin Creek. Paquin Creek is a cold-water stream that supports stream-resident fish community of brook trout, pearl dace, slimy sculpin, central mudminnow, brook stickleback. Paquin Creek is also important that it supports natural reproduction of Lake Michigan potadromous fishes such as steelhead, Chinook salmon, and coho salmon. Implementation of BMP's will aid in preventing sediment input from road crossings and upland areas are critically important to protect spawning areas for trout and other stream-resident fishes. Buffering the river is also critical to ensure future inputs of woody material to the stream channel, discourage aspen regeneration close to the stream channel, and provide shading to protect water temperature from warming to a degree that will inhibit trout survival.

Wildlife Habitat Considerations:

This compartment is part of the Strickler Aspen MA where featured wildlife species include American woodcock, ruffed grouse, snowshoe hare, and white-tailed deer. The compartment contains a mix of cover types including aspen, red pine, northern hardwoods, lowland conifers, lowland shrub, and mixes of some of these types. Some aspen is of a similar age, likely the result of a fire that burned in parts of the compartment. Most of the compartment is part of deer wintering complex.

Wildlife objectives are to maintain the early successional habitat, retain cover provided by lowland conifer stands, maintain wetlands and riparian corridors, and encourage diversity in the compartment.

Mineral Resource and Development Concerns and/or Restrictions

Sections 28-30, T43N-R7W, Mackinac County

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 closest active sand/gravel pit is more than four miles north of the compartment. There may be some potential for sand & gravel (primarily sand) within the compartment on the uplands. Bedrock limestone/dolostone is likely too deep here to economically develop.

Vehicle Access:

The Paquin Creek Road and the Sand Lake Road are the main vehicle access routes in the compartment. Small roads such as the Grassy Camp Road are found within the compartment and get minimal use. Some of the old logging roads are filling in and undriveable.

Survey Needs:

None

Recreational Facilities and Opportunities:

The Paquin Creek Road and Sand Lake Road are part of groomed snowmobile trail number 473. The roads are used by ORV's throughout the compartment. Most of the other recreational activities are hunting, trapping, berry picking and sightseeing.

Fire Protection:

There is potential for fires within the compartment as demonstrated by the Troll fire of 1999. There is a mix of wet ground within the high ground areas to assist in slowing fire spread if one occurs. The potential is moderate to low within the compartment. Hendricks Township VFDs fall within this coverage area, but most likely DNR will be the first and only ones to respond.

Additional Compartment Information:

The following reports from the Inventory are attached:

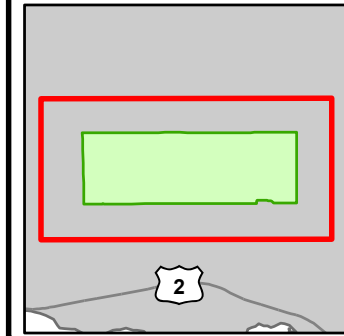
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

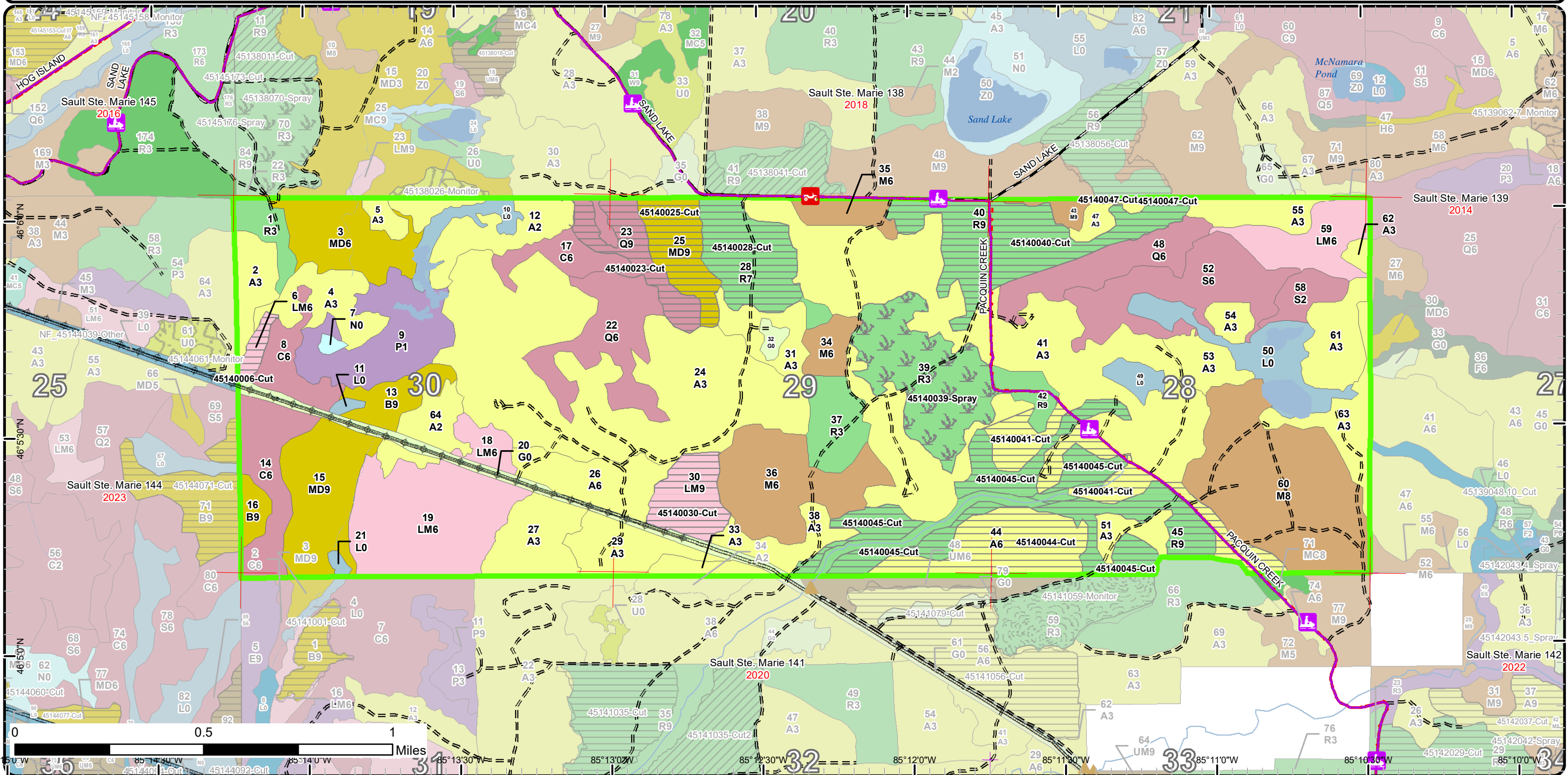
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 140
 T43N, R07W, Sec. 28-30
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Strickler Aspen
 YOE: 2022
 Acres: 1,910 GIS Calculated
 Examiner: Andrew Krugh
 Map Revised: 8/10/2020
 Map Phase: Web Post

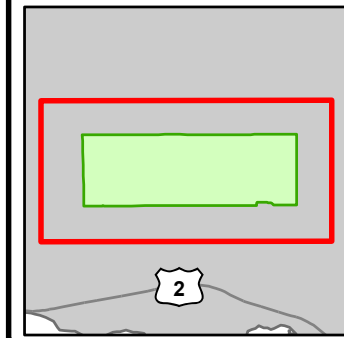


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- 🚗 ORV Routes
- 🚙 Snowmobile Trails
- Designated ORV Route
- Designated Snowmobile Trails
- ▲ Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Pesticide
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland

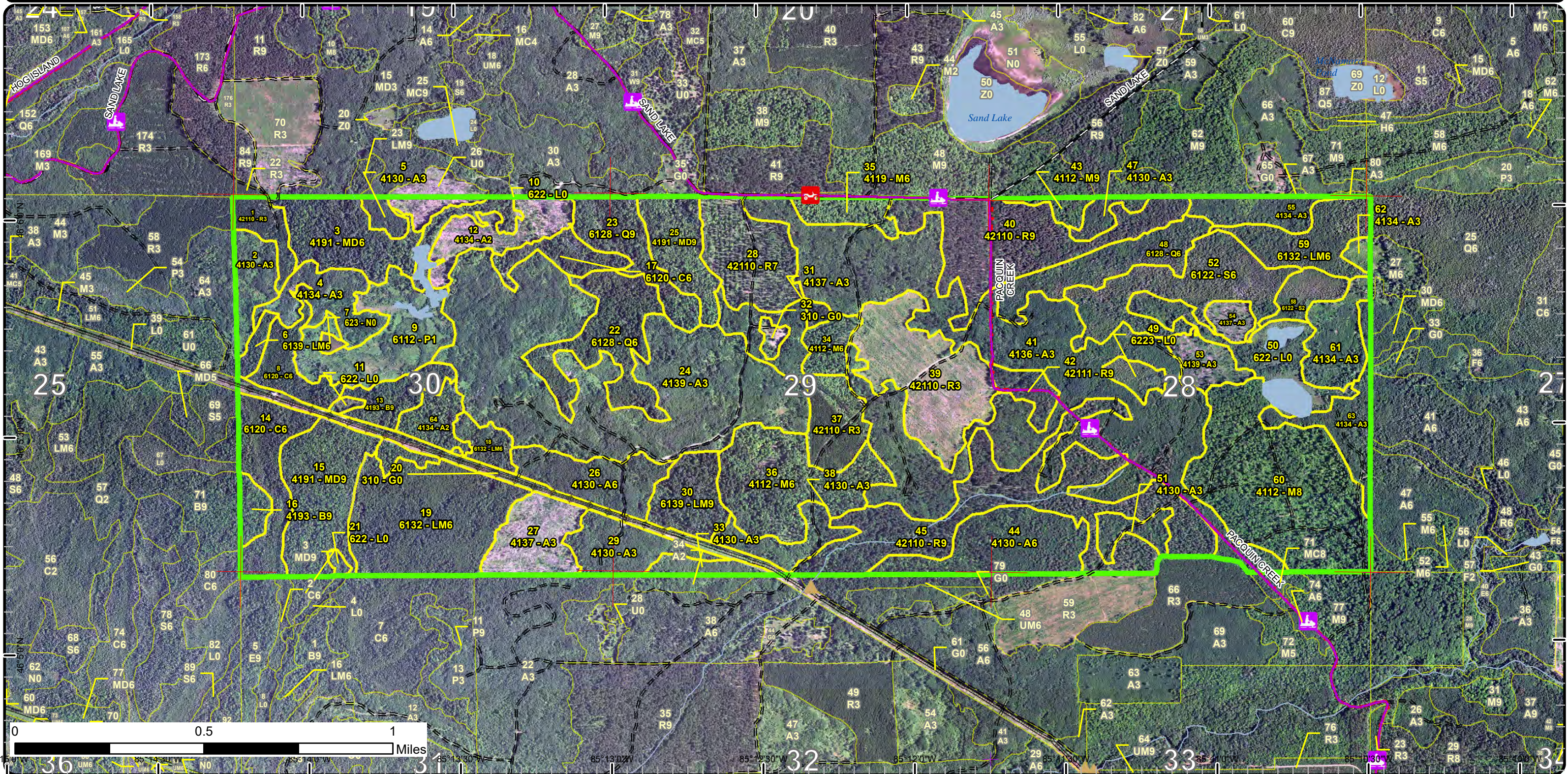


Stand Boundary Map

Compartment: 140
 T43N, R07W, Sec. 28-30
 County: Mackinac
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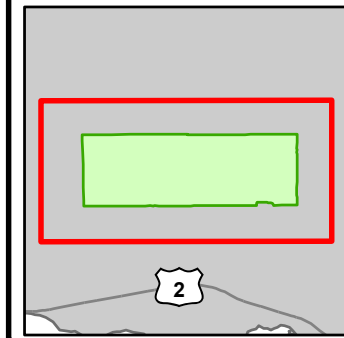


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- Counties
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- DNR - Forest Access Route
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- County - Dirt Road (Seasonal)
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- Snowmobile Trails
- Designated ORV Route
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- Berms
- Intermittent Stream
- Lake/Pond
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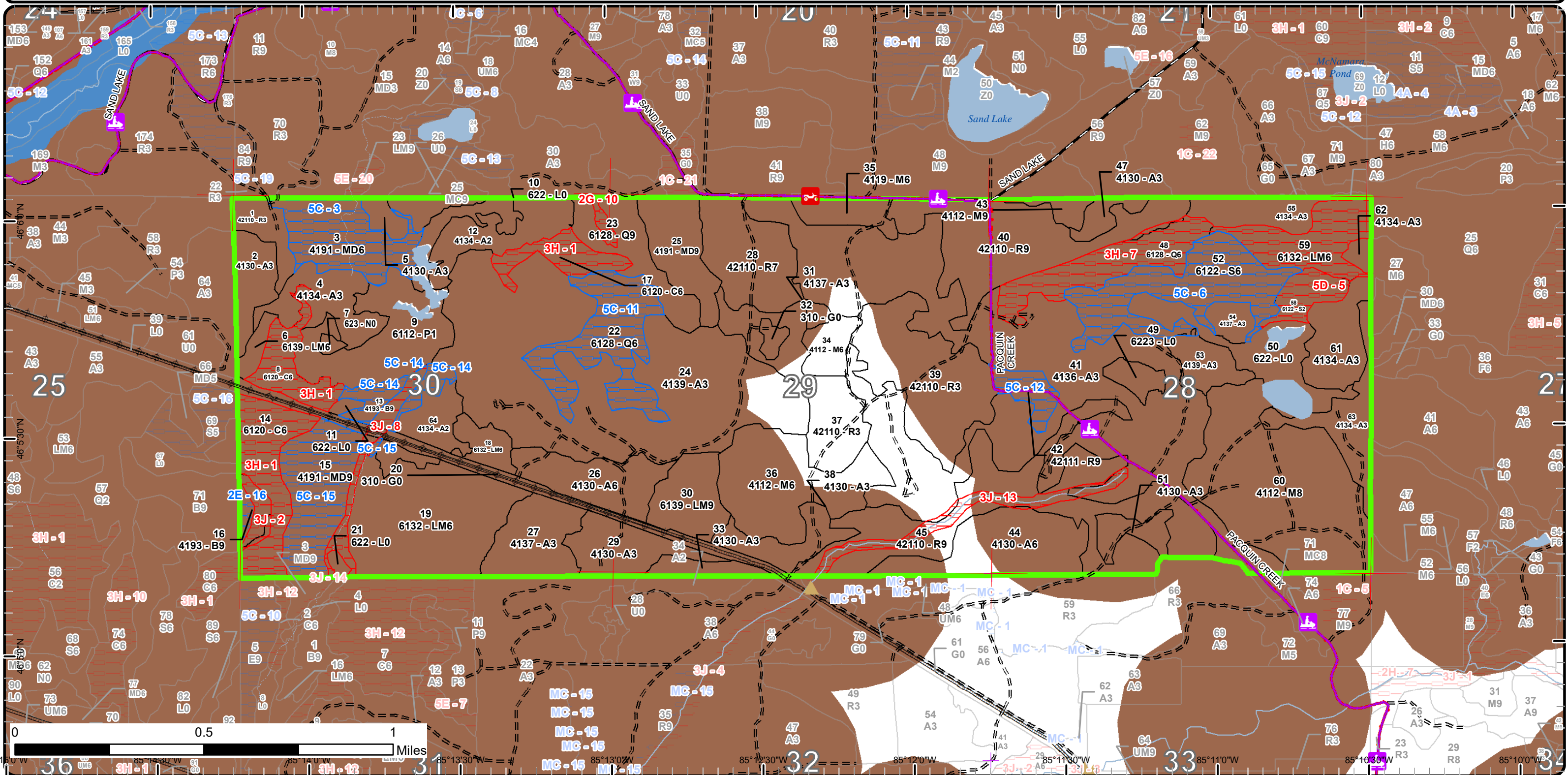


Special Conservation Areas

Compartment: 140
 T43N, R07W, Sec. 28-30
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Strickler Aspen
 YOE: 2022
 Acres: 1,910 GIS Calculated
 Examiner: Andrew Krugh
 Map Revised: 8/10/2020
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- Miris Corners
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- Counties
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- ORV Routes
- Snowmobile Trails
- Designated ORV Route
- Designated Snowmobile Trails
- ▲ Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Swamp
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2E: Road needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	97	35	507	80	65	0	0	0	0	0	0	0	0	0	0	0	0	783
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	15	51	0	0	0	64
Herbaceous Openland	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Lowland Aspen/Balsam Poplar	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Lowland Conifers	0	0	0	0	0	0	0	0	0	27	75	0	0	0	0	0	0	0	102
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	28	29	0	83	0	0	0	0	0	140
Lowland Shrub	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	65	0	0	0	0	0	0	0	65
Marsh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	108	0	0	0	0	0	0	0	0	108
Northern Hardwood	0	0	0	0	0	0	0	0	0	24	60	102	0	0	0	0	0	0	186
Paper Birch	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	24
Red Pine	0	60	0	34	0	0	0	0	0	213	0	0	0	0	0	0	0	0	307
Total	86	157	35	587	80	65	0	0	0	424	229	102	83	15	51	0	0	0	1911



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2022

Acres of Harvest

Compartment 140
Total Compartment Acres: 1,910

Commercial Harvest - 350
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	85	0	0	0	0	0	0	0	0	85
Lowland Conifers	24	0	0	0	0	0	0	0	0	24
Lowland Mixed Forest	28	0	0	0	0	0	0	0	0	28
Mixed Upland Deciduous	26	0	0	0	0	0	0	0	0	26
Red Pine	186	0	0	0	0	0	0	0	0	186
Total	350	0	0	0	0	0	0	0	0	350

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	350	0	0	0	0	60	0	0	0	409
Next Step	0	543	729	0	271	1083	681	0	0	3306
Total	350	543	729	0	271	1143	681	0	0	3716



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:

6	45140006-Cut	5.0	6139 - Mixed Lowland Forest	Poletimber Well	83	141- 170	Harvest	Clearcut	613 - Lowland Mixed Forest	Even-Aged	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. No retention due to small acreage.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Moderate to fully stocked Spruce, aspen, maple, birch, and fir.											
<u>Regen:</u>											
<u>Other</u> Most likely winter harvest only due to sensitive soils. Stand info is from last inventory cycle due to current status of work. Treatment will											
<u>Comment:</u> most likely extend into stand 64 to the west a little bit.											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2021											
23	45140023-Cut	24.4	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	86	141- 170	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<u>Prescription</u> Cut all deciduous trees 2 inches and greater at DBH. Cut Conifer 4 inches and greater. Leave 3-10% of total treatment acres in retention											
<u>Specs:</u> pocket(s). Leave Cedar and Hemlock except for operational use. Winter cut (Dec. 1 - Mar. 31) for wintering deer. Acreage may change do to on ground soil conditions.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Moderate to fully stocked spruce, fir, aspen, and maple.											
<u>Regen:</u>											
<u>Other</u> 2g area may suffice as retention.											
<u>Comment:</u>											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2021											
25	45140025-Cut	25.9	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	82	111- 140	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
<u>Prescription</u> Cut all deciduous trees 2 inches and greater at DBH. Cut Conifer 4 inches and greater. Leave 3-10% of total treatment acres in retention											
<u>Specs:</u> pocket(s). Leave Cedar and Hemlock except for operational use. Winter cut (Dec. 1 - Mar. 31) for wintering deer.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Moderate to fully stocked aspen, maple, spruce, pine, fir.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Site Condition</u>											
<u>Proposed Start Date:</u> 10/1 /2021											



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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28	45140028-Cut	37.8	42110 - Planted Red Pine	Sawtimber Poor	88	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
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Prescription Cut all species 2 inches and greater. Use 6 inch stump spec and trail specs.

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant; Planting, Interplant; Burn, Slash; Pesticide, Treatments: Skidder - Site Prep; Pesticide, Skidder - Release; Pesticide, Aerial - Site Prep; Pesticide, Aerial

Acceptable Fully Stocked Red Pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

30	45140030-Cut	22.9	6139 - Mixed Lowland Forest	Sawtimber Well	89	111-140	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
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Prescription Cut all deciduous trees 2 inches and greater at DBH. Cut Conifer 4 inches and greater. Leave 3-10% of total treatment acres in retention pocket(s). Leave Cedar and Hemlock except for operational use. Winter cut (Dec. 1 - Mar. 31) for wintering deer.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable moderate to fully stocked aspen, maple, spruce, pine, fir.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

40	45140040-Cut	64.9	42110 - Planted Red Pine	Sawtimber Well	89	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
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Prescription Cut all trees 2 inches and greater at dbh. Mark some red pine on edge of stand for retention of species.

Specs:

Next Step SitePrep, Trenching; SitePrep, Roller Chopping; Planting, Initial Plant; Planting, Replant; Planting, Interplant; Burn, Slash; Pesticide, Treatments: Skidder - Site Prep; Pesticide, Skidder - Release; Pesticide, Aerial - Site Prep; Pesticide, Aerial

Acceptable Fully stocked red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

41	45140041-Cut	42.0	4136 - Aspen, Mixed Conifer	Sapling Well	29	Immature	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
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Prescription Cut all trees 2 inches and greater at dbh

Specs:

Next Step SitePrep, Trenching; SitePrep, Roller Chopping; Planting, Initial Plant; Planting, Replant; Planting, Interplant; Burn, Slash; Pesticide, Treatments: Skidder - Site Prep; Pesticide, Skidder - Release; Pesticide, Aerial - Site Prep; Pesticide, Aerial

Acceptable Moderate to fully stocked red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 7 /22/2020



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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
44 45140044-Cut	42.1	4130 - Aspen	Poletimber Well	41	141-170	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2 inches in greater at DBH. <u>Specs:</u> <u>Next Step</u> Planting, Initial Plant; SitePrep, Trenching; SitePrep, Roller Chopping; Burn, Slash; Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Monitoring, Artificial Regen(3y) <u>Acceptable</u> Moderate to Fully stocked red pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021</p>										
45 45140045-Cut	83.7	42110 - Planted Red Pine	Sawtimber Well	83	111-140	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Cut all species 4 inches and greater at DBH. Leave 3-10% retention along stream. <u>Specs:</u> <u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Interplant; Planting, Replant; Burn, Slash; Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Pesticide, Aerial - Site Prep; Pesticide, Aerial <u>Acceptable</u> Moderate to fully stocked Aspen, Maple, Spruce, Pine, Fir. <u>Regen:</u> <u>Other</u> Follow BMPs for stream <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021</p>										

Approved Treatments:

39 45140039-Spray	59.8	42110 - Planted Red Pine	Sapling Well	8	Immature	Pesticide	ERROR	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> release spray. <u>Specs:</u> <u>Next Step</u> Monitoring, Herbicide Use <u>Treatments:</u> <u>Acceptable</u> RP <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2019</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
47 45140047-Cut	0.8	4130 - Aspen	Sapling Well	38	201+	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clear cut all trees. Retention is not needed due to safety concerns for aerial spraying. Cut all deciduous down to 2" dbh. DON'T cut in northeast corner, this is site condition long term retention and scenic values. LEAVE a few red pine along the edges of the stand. Buffer along pond on north end of stand following guidelines.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Planting, Initial Plant; Planting, Replant; Burn, Slash; Pesticide, Other - Specify; SitePrep, Trenching; SitePrep, Roller Chopping;</p> <p><u>Treatments:</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable</u> red pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 9 /25/2018</p>										

Total Treatment Acreage Proposed: 409.3

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Andrew Krugh : Examiner

Compartment: 140

Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	2E	5C	2G	3H	3J	5D
		With Condition	Not Available							
783	780	0	3	Aspen		0		0	3	0
65	0	0	65	Cedar				64	1	
28	27	0	1	Herbaceous Openland					1	
46	46	0	0	Lowland Aspen/Balsam Poplar				0	0	
102	25	43	34	Lowland Conifers		43	2	32		
140	111	0	29	Lowland Mixed Forest				29		0
56	56	0	0	Lowland Shrub						
64	0	53	12	Lowland Spruce/Fir		53				12
2	2	0	0	Marsh						
108	26	76	6	Mixed Upland Deciduous		76			6	
185	185	0	0	Northern Hardwood						
24	0	14	9	Paper Birch	3	12			9	
307	282	10	15	Red Pine		10		1	14	
1,910	1,539	197	174	Total Forested Acres	3	194	2	126	34	12
	81%	10%	9%	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	64	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Andrew Krugh : Examiner

Compartment: 140

Year of Entry: 2022

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5D: Unproductive Forest Land	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	53	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	62	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Monitor for SBW							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Andrew Krugh : Examiner

Compartment: 140

Year of Entry: 2022

11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	43	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Monitor for SBW							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	17	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	2E: Road needed	3	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
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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	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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
1	42110 - Planted Red Pine	Sapling Well	11.7	21	Immature	N/A	Burn in 1999 from Troll Fire. The stand was trenched and planted Fall of 1999.																																										
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Black Cherry	2	Sapling	3																																														
2	4130 - Aspen	Sapling Well	16.3	21	Immature	N/A	Burned in 1999 was cut in 1997. Open areas look like frost damage areas.																																										
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3	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	35.8	83	111-140	N/A																																											
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4	4134 - Aspen, Spruce/Fir	Sapling Well	24.0	21	Immature	N/A	Some wet areas. Standing dead trees from Troll Fire burn in 1999. Good regen .																																										
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5	4130 - Aspen	Sapling Well	5.3	26	Immature	N/A	Cut in 1994 on Cat Kill Hardwood Sale. Good regeneration and good mix.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
6	6139 - Mixed Lowland Forest	Poletimber Well	5.0	83	141-170	N/A	Small ridge in the stand. Wet most other areas of stand. Some mortality to birch.																																																				
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7	623 - Emergent Wetland	Nonstocked	1.7			No																																																					
8	6120 - Lowland Cedar	Poletimber Well	18.3	131	171-200	N/A	Creek Flows thru Stand. Some mortality to the cedar.																																																				
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Northern White Cedar	Low	Variable	Sapling																																																								
9	6112 - Lowland Aspen	Sapling Poor	46.1	21		N/A	Burned on the Troll Fire in 1999. Open areas with real wet areas and some upland areas. Good aspen regeneration in the stand.																																																				
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10	622 - Lowland Shrub	Nonstocked	11.7			No																																																					
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12	4134 - Aspen, Spruce/Fir	Sapling Medium	30.8	5	Immature	N/A	Clear cut in 2015 as part of Dunlap's Disaster #451121201. A few scattered mature paper birch, yellow birch, aspen, and red maple were left.																																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13 4193 - Birch, Aspen Sawtimber Well 16.3 82 81-110 N/A Creek flows thru the stand with cedar along the stream cooridor.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log/Pole	10		Balsam Fir	Medium	Variable	Sapling
Paper Birch	40	Log/Pole	10	82				
Bigtooth Aspen	22	Log/Pole	10					
Balsam Fir	12	Pole/Log	8					
White Spruce	2	Pole	8					
Northern White Cedar	2	Pole	8					
White Pine	2	Log/XLog	17					

14 6120 - Lowland Cedar Poletimber Well 32.2 131 N/A Stand is wet cedar stand with creek flowing thru the stand. There are some areas which have more tag alder and smaller cedar.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Pole/Log	8		Black Spruce	Medium	Variable	Sapling
Paper Birch	8	Pole	8		Northern White Cedar	Low	Variable	Sapling
Balsam Fir	6	Pole	7					
Black Spruce	25	Pole	7					
Northern White Cedar	56	Pole/Log	8	131				
White Pine	2	Pole	9					

15 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 46.4 82 81-110 N/A A creek flows thru the stand from the pipeline south. There is cedar and hemlock along the creek corridor and tag alder in areas. The creek will need to buffered if stand is harvested.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log/Pole	10		Balsam Fir	Medium	Variable	Sapling
Paper Birch	40	Log/Pole	11	82				
Bigtooth Aspen	20	Log/Pole	10					
Balsam Fir	13	Pole/Log	8					
White Spruce	3	Pole	8					
Northern White Cedar	2	Pole	8					

16 4193 - Birch, Aspen Sawtimber Well 7.4 82 N/A Deteriorating stand with poor access.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	23	Log/Pole	10		Balsam Fir	Medium	Variable	Sapling
Paper Birch	40	Log/Pole	10	82				
Bigtooth Aspen	23	Log/Pole	10					
Balsam Fir	10	Pole	7					
White Spruce	2	Pole	8					
White Pine	2	Log/XLog	15					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17	6120 - Lowland Cedar	Poletimber Well	14.5	129	141-170	N/A	Heavy cedar stand with a few open tag alder patches.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Red Maple					7	Pole/Log	8		Red Maple				Low	Variable	Sapling
Paper Birch					5	Log/Pole	10		Balsam Fir				Low	Variable	Sapling
Quaking Aspen					12	Log/Pole	11								
Balsam Fir					7	Pole	8								
White Spruce					17	Pole	8								
Northern White Cedar					50	Pole/Log	8	129							
Hemlock					2	Log/Pole	10								

18	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	9.7	113	Unspecified	N/A	Some very low areas with heavy cedar and aspen and birch mixed in. Pipeline and powerline separate the stands. Wet on pipeline in areas along the stand.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Red Maple					11	Pole/Log	9		Balsam Fir				Medium	Variable	Sapling
Paper Birch					20	Pole/Log	8		Tag Alder				Low	Variable	Tall Shrub
Bigtooth Aspen					14	Pole/Log	8								
Balsam Fir					10	Pole	8								
Black Spruce					4	Pole	6								
Northern White Cedar					35	Pole/Log	8	113							

19	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	73.1	113	Unspecified	N/A	Very wet in some areas. Heavy to cedar with birch and aspen mixed in.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Red Maple					10	Pole/Log	9		Balsam Fir				Medium	Variable	Sapling
Paper Birch					20	Pole/Log	8		Tag Alder				Low	Variable	Tall Shrub
Bigtooth Aspen					14	Pole/Log	8								
Balsam Fir					10	Pole	8								
Black Spruce					4	Pole	6								
Northern White Cedar					34	Pole	8	113							
Black Ash					8	Pole	6								

20	310 - Herbaceous Openland	Nonstocked	24.3				No
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21	622 - Lowland Shrub	Nonstocked	1.7				No
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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22 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 43.2 96 Unspecified N/A very wet most years. areas of heavy regeneration.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	8	
Yellow Birch	2	Pole	7	
Paper Birch	14	Pole	8	
Balsam Poplar	8	Pole	8	
Balsam Fir	20	Pole	7	
Black Spruce	16	Pole	8	
Northern White Cedar	30	Pole	8	96

Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	Low	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling
Black Spruce	Low	Variable	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub

23 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 27.1 86 141-170 N/A Some very wet areas. mortality to birch, spruce and aspen.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Log/Pole	11	
Yellow Birch	4	Log/Pole	10	
Paper Birch	9	Log/Pole	11	
Bigtooth Aspen	12	Pole/Log	9	
Balsam Fir	16	Pole	8	
White Spruce	24	Pole/Log	9	86
Northern White Cedar	16	Pole/Log	8	
Hemlock	4	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	Low	10 - 20 feet	Sapling

24 4139 - Aspen, Mixed Deciduous Sapling Well 187.7 21 Unspecified N/A Burned in 1999 on troll Fire Very mixed stand. Some wet areas and Some open areas.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	13	Sapling	3	
Paper Birch	10	Sapling	3	
Bigtooth Aspen	55	Sapling	3	21
Balsam Fir	7	Sapling	3	
White Spruce	5	Sapling	3	
Black Cherry	10	Sapling	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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25 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 25.9 82 111-140 N/A Very mixed stand few lower areas. Mortality to birch and aspen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	40	Log/Pole	11	82	Balsam Fir	Medium	Variable	Sapling
Yellow Birch	4	Log/Pole	11					
Paper Birch	21	Log/Pole	11					
Bigtooth Aspen	10	Log/Pole	11					
Balsam Fir	7	Pole	8					
White Spruce	8	Pole/Log	9					
Northern White Cedar	5	Pole	8					
White Pine	2	Log/XLog	15					
Hemlock	3	Log/Pole	10					

26 4130 - Aspen Poletimber Well 29.2 36 N/A Cut in 1984.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	13	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Paper Birch	4	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
Bigtooth Aspen	64	Pole/Sapling	5	36				
Balsam Fir	7	Sapling	4					
White Spruce	6	Sapling	4					
Black Cherry	6	Pole/Sapling	5					

27 4137 - Aspen, Birch Sapling Well 27.5 5 Immature N/A Clear cut in 2015 as part of Dunlap's Disaster #451121201. A few scattered mature paper birch, yellow birch, aspen, and red maple were left.

28 42110 - Planted Red Pine Sawtimber Poor 40.3 88 1-50 N/A Shelterwood Cut in 1998, then salvage cut in 2003.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	100	Log/Pole	14	88	Red Maple	Full	Variable	Sapling
					Red Pine	Low	Variable	Sapling
					Quaking Aspen	Medium	Variable	Sapling

29 4130 - Aspen Sapling Well 23.2 26 N/A Cut in 1984 and 1994. Good regen.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	3	
Bigtooth Aspen	70	Sapling/Pole	4	26
Balsam Fir	8	Sapling	4	
White Spruce	7	Sapling	4	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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30	6139 - Mixed Lowland Forest	Sawtimber Well	22.9	89	111-140	N/A	Mixed Q type stand with areas heavy to cedar with the Mackinac Mix.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Log	9		Balsam Fir	Medium	Variable	Sapling
Paper Birch	18	Pole/Log	9					
Bigtooth Aspen	32	Log/Pole	11	89				
Balsam Fir	17	Pole	8					
Black Spruce	10	Pole	8					
Northern White Cedar	15	Pole/Log	9	101				
White Pine	3	Log/XLog	15					

31	4137 - Aspen, Birch	Sapling Well	16.9	37		N/A	Cut in 1984 good regen and good mix.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	2		Red Maple	Low	Variable	Sapling
Paper Birch	20	Sapling	3		Hazelnut (Beaked)	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	44	Sapling	3	37				
Balsam Fir	6	Sapling	4					
White Spruce	4	Sapling	2					
White Pine	2	Sapling	3					
Red Pine	2	Log/Pole	12					
Black Cherry	12	Sapling	3					

32	310 - Herbaceous Openland	Nonstocked	3.4			No	
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33	4130 - Aspen	Sapling Well	8.2	18		N/A	Cut in 2002 on Airless Aspen Sale 45-131-00.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	3	
Bigtooth Aspen	72	Sapling	3	18
Balsam Fir	7	Sapling	4	
White Spruce	6	Sapling	3	

34	4112 - Maple, Beech, Cherry Association	Poletimber Well	11.4	87	51-80	N/A	Stand was cut in 2015. 45-126-13 Stalled Maple. Stand was thinned in 97 45-34-94 Grassy Camp Hardwood
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole/Log	9		Beech	Full	Variable	Sapling
Red Maple	45	Pole/Log	9	87				
Yellow Birch	8	Log/Pole	11					
Red Pine	7	Log/Pole	13					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
35	4119 - Mixed Northern Hardwoods	Poletimber Well	12.3	88	81-110	N/A	cut in 2005- on Summers End Hardwood 45-119-03-01 Some aspen regen from the cut.																																																					
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36	4112 - Maple, Beech, Cherry Association	Poletimber Well	54.3	97	51-80	N/A	Stand was cut in spring of 2015 45-126-13 Stalled Maple																																																					
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37	42110 - Planted Red Pine	Sapling Well	21.8	21	141-170	N/A	Cut in 1998 then burned and replanted in 1999 and 2000. Good regen with a few open areas. Red pine Starting to outgrow aspen andcherry. red pine is 3 to 15'tall.																																																					
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38	4130 - Aspen	Sapling Well	16.3	26	Immature	N/A	Cut in 1994. Good regen some red pine in the stand along east side,																																																					
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39	42110 - Planted Red Pine	Sapling Well	59.8	8	Immature	N/A	FTP # C44-585 -Planted in 2012. Passed 3rd year regen. chcek in 2015. Release sprayed in 2017.																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
40	42110 - Planted Red Pine	Sawtimber Well	65.2	89	111-140	N/A	Areas of thicker maple and beech regeneration plus a few aspen areas. Was thinned in 1998 on Section 29 Pine sale #27-93-01. Could be thinned.																																							
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41	4136 - Aspen, Mixed Conifer	Sapling Well	234.4	29	Immature	N/A	Nice stand of regeneration. Has Red Pine in overstory. There are a few open areas plus areas with more red pine.																																							
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42	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	10.0	83	81-110	N/A	Mix of red pine with heavy aspen regen .																																							
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43	4112 - Maple, Beech, Cherry Association	Sawtimber Well	5.4	92	81-110	N/A	Thinned on Summer Student Special Sale #35-98-01. Heavy browse of the understory which is mostly beech and striped maple.																																							
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Striped Maple	Low	Variable	Tall Shrub																																											
44	4130 - Aspen	Poletimber Well	42.1	41	141-170	N/A	Aspen with Red Pine in the overstory. Good aspen.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
45	42110 - Planted Red Pine	Sawtimber Well	97.8	83	111-140	N/A	Open areas. a few Jack pine left on site. Some maple understory. Has been thinned before.																																																													
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47	4130 - Aspen	Sapling Well	7.2	38	201+	N/A	Cut in 1982 under contract #39-80. Good regeneration of aspen, birch cherry and red maple with some balsam.																																																													
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48	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	31.8	98	Unspecified	N/A	Very mixed stand. Some hemlock. Some mortality to birch and cedar.																																																													
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49	6223 - Inundated Shrub Swamp	Nonstocked	7.1			No																																																														
50	622 - Lowland Shrub	Nonstocked	34.2		Immature	No																																																														
51	4130 - Aspen	Sapling Well	9.9	37	171-200	N/A	Some Red Pine in the ovestory. 20 to 30' tall aspen with Some paper birch regeneration																																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
52	6122 - Black Spruce	Poletimber Well	52.9	98		N/A	Poor quality stand with spruce, fir, cedar, birch, aspen and balm. There are some open areas within the stand. With the current water table being so high, leave stand for another rotation so fully stocked regeneration is more likely.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		5	Pole	8		Balsam Fir		
Paper Birch		8	Pole	8		Medium		
Balsam Fir		20	Pole	7		Variable		
Black Spruce		50	Pole	7	98	Sapling		
Northern White Cedar		12	Pole	8		Sapling		
Tamarack		5	Pole	6				
53	4139 - Aspen, Mixed Deciduous	Sapling Well	13.6	6	Immature	N/A		
Canopy Species		% Cover	Size Class	DBH	Age			
Red Maple		45	Sapling	1	6			
Quaking Aspen		40	Sapling	1	6			
Balsam Fir		10	Sapling	1				
Paper Birch		5	Sapling	1				
54	4137 - Aspen, Birch	Sapling Well	7.0	6	Immature	N/A	Stand is a ridge area between the lowland areas. There are a few low areas but is mostly uplands.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Maple		25	Sapling	1				
Quaking Aspen		40	Sapling	1	6			
Paper Birch		30	Sapling	1				
Balsam Fir		5	Sapling	1				
55	4134 - Aspen, Spruce/Fir	Sapling Well	16.8	36		N/A	Good regeneration of 10 to 30' tall with a few trees left on cut in 1982 and 1984 (permit # 14-84).	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		15	Sapling	3		Red Maple		
Paper Birch		8	Sapling	3		Low		
Bigtooth Aspen		54	Sapling	4	36	Variable		
Balsam Fir		15	Sapling	3		Sapling		
White Spruce		8	Sapling	3		Sapling		
58	6122 - Black Spruce	Sapling Medium	11.6	98		N/A	This is a very poor stand with black spruce, birch and tag alder.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Paper Birch		10	Sapling	2		Tag Alder		
Black Spruce		90	Sapling/Pole	3	98	Medium		
						5 - 10 feet		
						Tall Shrub		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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59 6132 - Mixed Lowland Forest with Cedar Poletimber Well 29.1 97 Unspecified N/A Part of stand was choppers' choice cut. Very mixed stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	8		Red Maple	Low	Variable	Sapling
Yellow Birch	5	Pole/Log	9		Balsam Fir	Medium	Variable	Sapling
Paper Birch	20	Pole/Log	9		Tag Alder	Low	10 - 20 feet	Tall Shrub
Quaking Aspen	10	Pole/Log	8					
Balsam Fir	10	Pole/Sapling	8					
White Spruce	10	Pole	8					
Northern White Cedar	30	Pole/Log	8	97				
Black Ash	5	Pole	6					

60 4112 - Maple, Beech, Cherry Association Sawtimber Medium 101.8 104 51-80 N/A Cut in 2006 on Short timer Hardwood 45-104-02.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	55	Log/Pole	13	104	Sugar Maple	Low	Variable	Sapling
Red Maple	28	Log/Pole	12		Beech	Low	Variable	Sapling
Yellow Birch	13	Log/Pole	12					
Hemlock	4	Log/Pole	13					

61 4134 - Aspen, Spruce/Fir Sapling Well 23.4 14 N/A Cut on Smith Creek Mix sale 45-116-03-01 in July 2006.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	3	
Quaking Aspen	8	Sapling	3	
Bigtooth Aspen	55	Sapling	3	14
Balsam Fir	10	Sapling	3	
White Spruce	12	Sapling	3	

62 4134 - Aspen, Spruce/Fir Sapling Well 3.1 14 N/A Part of Smith Creek Mix sale 45-113-03-01. Cut in July 2006.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	3	
Quaking Aspen	10	Sapling	3	
Bigtooth Aspen	60	Sapling	3	14
Balsam Fir	14	Sapling	3	
White Spruce	6	Sapling	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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63	4134 - Aspen, Spruce/Fir	Sapling Well	22.6	41	201+	N/A	TSI cut in 1979. Good stand of aspen with some conifer mixed into the stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	4		Balsam Fir	Low	Variable	Sapling
Paper Birch	5	Sapling	3		Hazelnut (Beaked)	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	55	Sapling	4	41				
Balsam Fir	15	Sapling/Pole	4					
White Spruce	5	Sapling	4					
White Pine	5	Sapling/Pole	5					
Black Cherry	5	Sapling	3					

64	4134 - Aspen, Spruce/Fir	Sapling Medium	17.7	3	Immature	N/A	Clear cut in 2015 as part of Dunlap's Disaster #451121201. A few scattered mature paper birch, yellow birch, aspen, and red maple were left. Checked in early May 2016 and regen is still too small. Will check again in August. (sale was complete in 1/17)
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	45	Sapling	1	3
Balsam Fir	20	Sapling	1	
Red Maple	20	Sapling	1	
Black Spruce	15	Sapling	1	