



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45032

Entry Year 2023

Acreage: 1,434

County Mackinac

Management Area: Huron Patterned Outcrop

Stand Examiner: Jeff Wise

Legal Description:

T42N R1W Sec 8, 9, 16, 17, 18, 19, & 20

Identified Planning Goals:

This YOE management will focus on two uneven age hardwood selection harvests. Other treatments will include aspen/ fir regeneration harvests to begin the 0-10 year age class in the compartment. Treatments in the deer yard area will be restricted to winter harvest.

Soil and topography:

Soils in the northern uplands are generally Guardlake-Wallace-Greylock association. These soils support the upland timber types such as aspen and pine. The southern parts consist of Markey –Finch association and support cedar, lowland brush, and mixed lowland conifers. Topography is gently rolling with rocky areas in the south.

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

Residences and recreational camps surround the compartment with no State land adjoining. Hessel airport is within a mile and a golf course shares some boundary on the east side. Some private cabins within break the compartment into two main parts but it remains contiguous. People still camp at the old campground (without facilities), and there is some fishing to be had in Bay City Lake. Most of the activity here is hunting and trash dumping.

Unique Natural Features:

Bay City Lake is unique in that it has no inlet or outlet and supports a cool water fishery.

Archeological, Historical, and Cultural Features:

Nothing known at this time.

Special Management Designations or Considerations:

South half of this compartment is deer yard.

Watershed and Fisheries Considerations:

This compartment contains Bay City Lake, and Steeles Creek, a cold transitional stream. The prescribed treatments are appropriate for the protection of these waterbodies.

Wildlife Habitat Considerations:

This compartment is part of the Huron Patterned Outcrop Management Area where featured wildlife species include pileated woodpecker, ruffed grouse, snowshoe hare, and white-tailed deer. Sandy soils dominate over limestone bedrock, supporting a mix of oak and pine, northern hardwoods, and aspen. Bedrock is not far below the surface in places, and some areas have boulders on the surface. The southern part of the compartment is in deer wintering complex. A small portion of the compartment lies along the Lake Huron shoreline and contains Great Lakes marsh, a rare natural community type that provides habitat for a variety of wildlife including waterfowl and marsh birds.

Wildlife management objectives include maintaining the oak and white pine components, providing early successional deciduous stands at varying age classes, and encouraging diversity in northern hardwoods. Young early successional deciduous growth will provide habitat for deer and ruffed grouse among other species. Oak will be promoted as a hard mast source. Snags will be left for cavity nesting birds like woodpeckers and future coarse woody debris. Existing woody debris will be retained for grouse drumming logs and cover for small animals. Stands in deer wintering complex will generally be cut during the winter months so tops are available as browse for wintering deer. The Great Lake marsh will be protected by letting natural processes occur unless measures are necessary to prevent threats such as invasive species.

Mineral Resource and Development Concerns and/or Restrictions

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. Nine active aggregate mining operations are within a couple miles of the compartment. There is good potential for sand & gravel within the compartment, and there may be potential for bedrock dolostone. There is minimal glacial drift in this area; bedrock dolostone is very near the surface and is actively being mined at Carmeuse's Cedarville Quarry just over six miles to the east.

Vehicle Access:

Very good access to most of the northern and central parts of the compartment. The south part is deer yard and no roads exist. Old winter logging trails are still used to access this area.

Survey Needs:

SESW of Section 8, North half of Section 20.

Recreational Facilities and Opportunities:

Snowmobile and ORV trails in the compartment. People still camp at Bay City Lake campground; however it was closed years ago as a managed campground.

Fire Protection:

Bay City Lake is the only readily available water source in and near the compartment. Road access is adequate except for the southern portions which are deer yard and wet timber types.

Additional Compartment Information:

The following reports from the Inventory are attached:

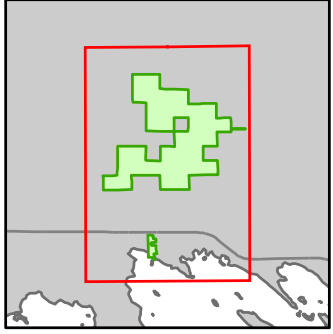
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

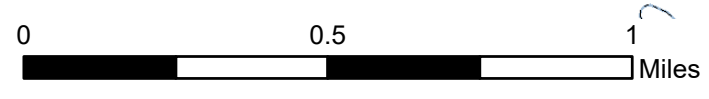
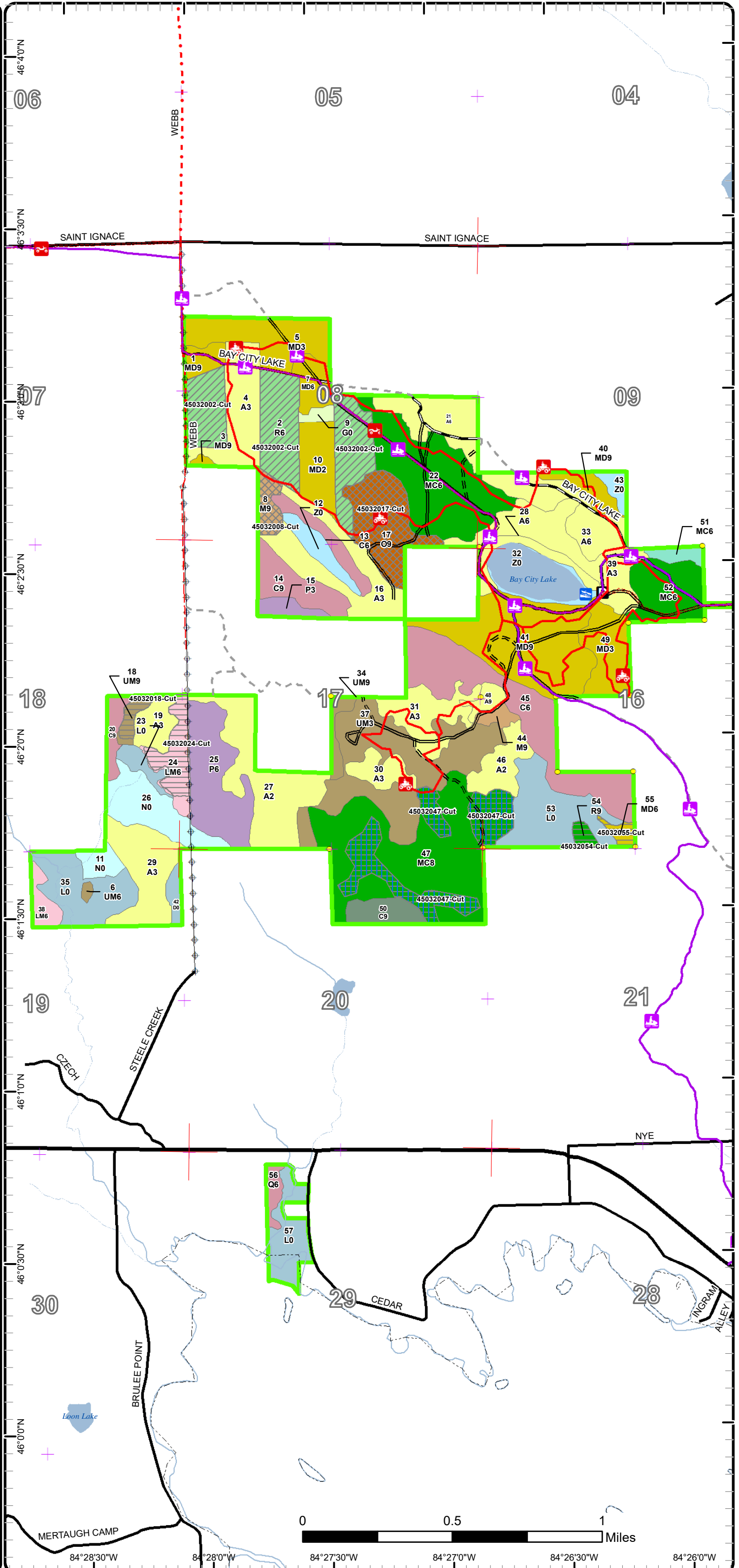
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 32
 T42N,R01E, Sec: 8, 9, 16-20, 29
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Huron Patterned
 Outcrop
 YOE: 2023
 Acres: 1433.9 GIS Calculated
 Examiner: Jeff Wise
 Map Revised: 1/28/2022
 Map Phase: Post Review



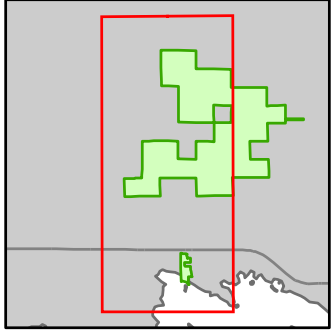
- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Boating Access Site
- Parking Lot
- Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 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
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



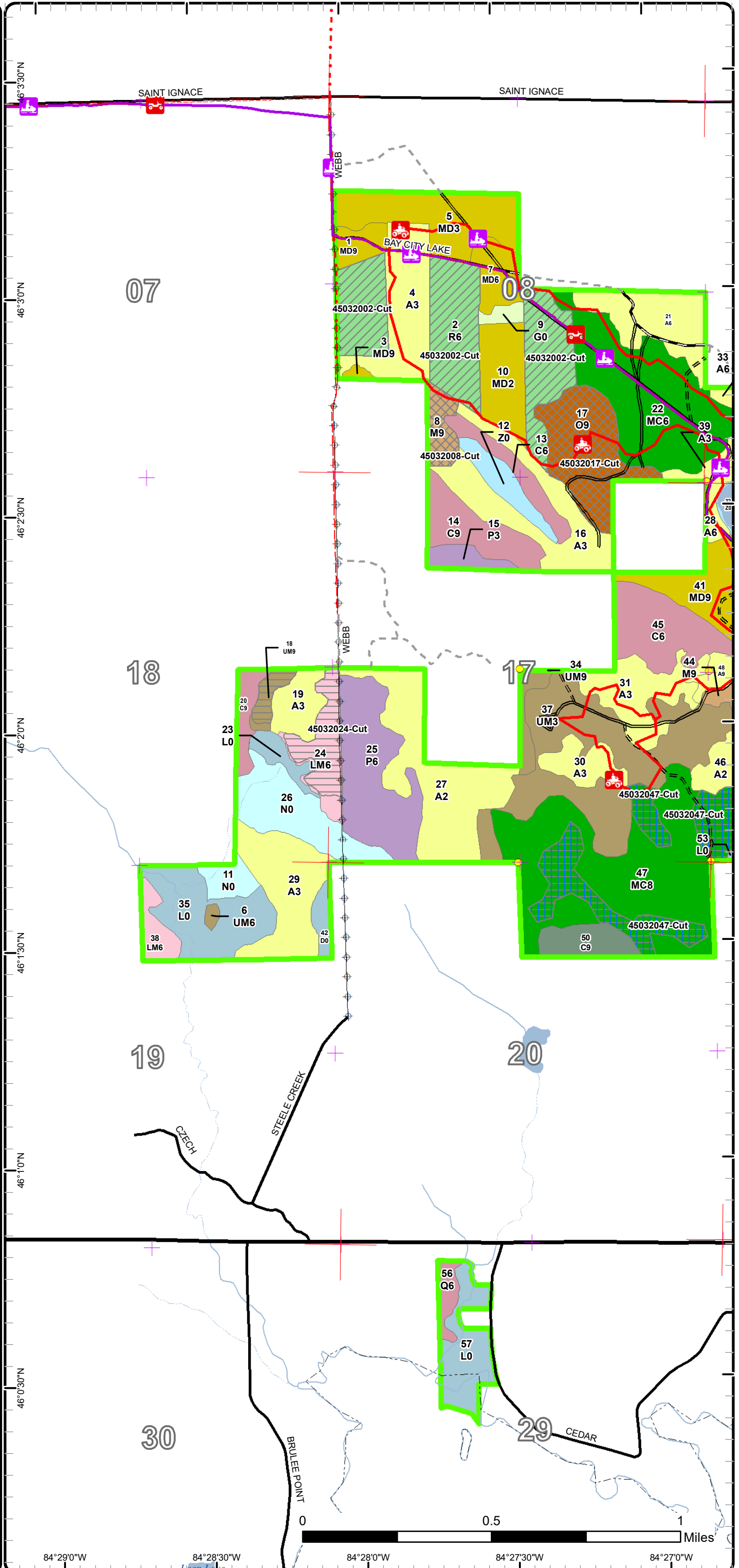
84°28'30"W 84°28'0"W 84°27'30"W 84°27'0"W 84°26'30"W 84°26'0"W

Cover Type & Treatments Map

Compartment: 32
 T42N,R01E, Sec: 8, 9, 16-20, 29
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Huron Patterned
 Outcrop
 YOE: 2023
 Acres: 1433.9 GIS Calculated
 Examiner: Jeff Wise
 Map Revised: 1/28/2022
 Map Phase: Post Review



- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



84°29'0"W

84°28'30"W

84°28'0"W

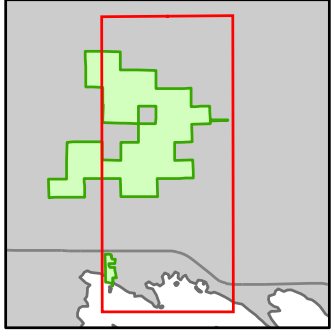
84°27'30"W

84°27'0"W

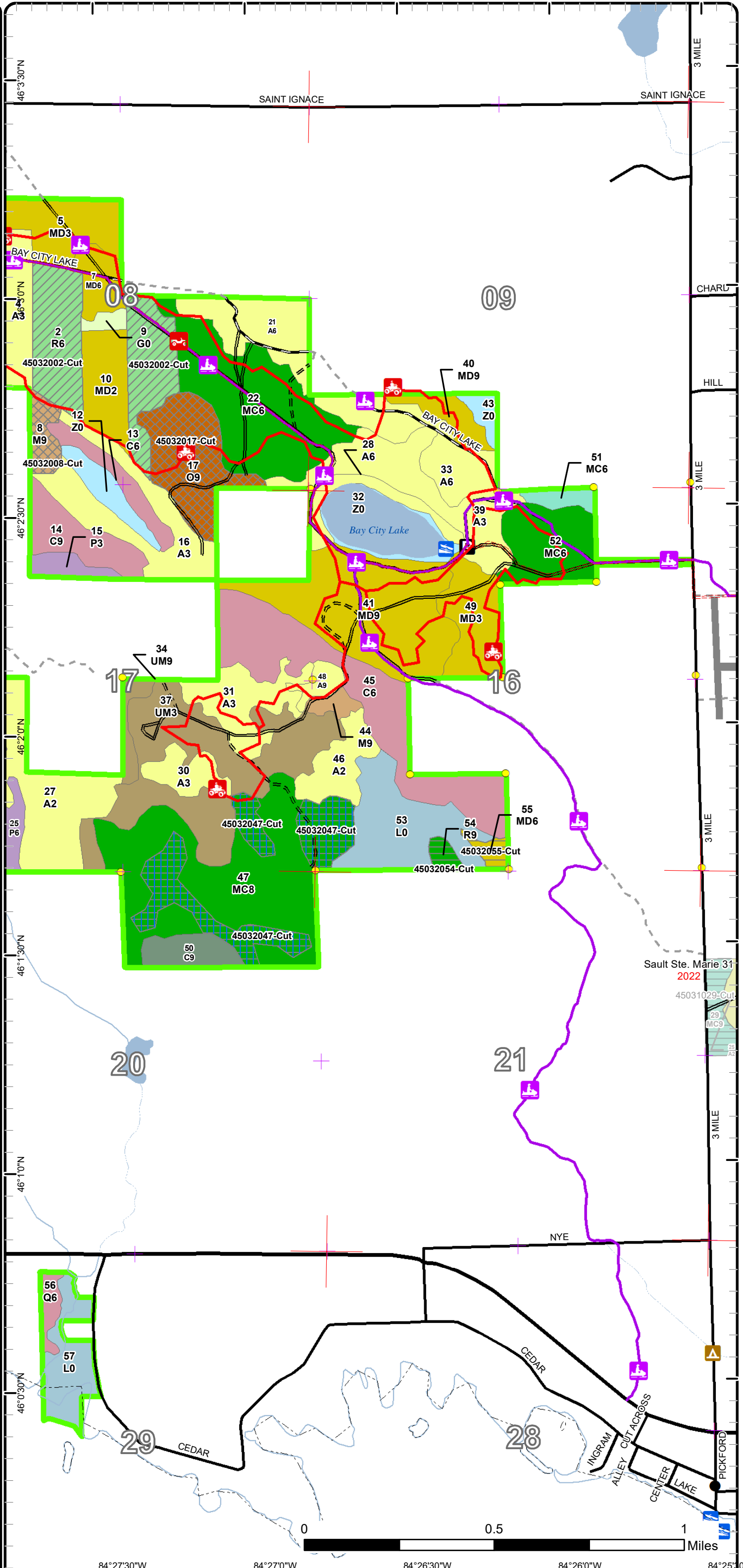
0 0.5 1 Miles

Cover Type & Treatments Map

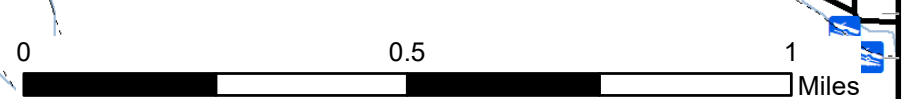
Compartment: 32
 T42N,R01E, Sec: 8, 9, 16-20, 29
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Huron Patterned
 Outcrop
 YOE: 2023
 Acres: 1433.9 GIS Calculated
 Examiner: Jeff Wise
 Map Revised: 1/28/2022
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 ORV Routes
- 🚙 Snowmobile Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Boating Access Site
- ▲ Campground
- City
- P Parking Lot
- A Airports
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 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
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub



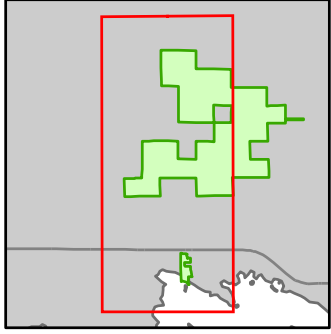
Sault Ste. Marie 31
 2022
 45031029-Cut



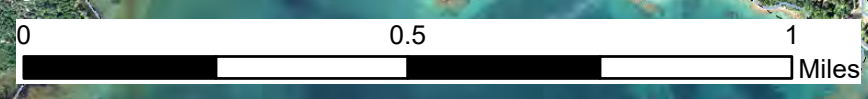
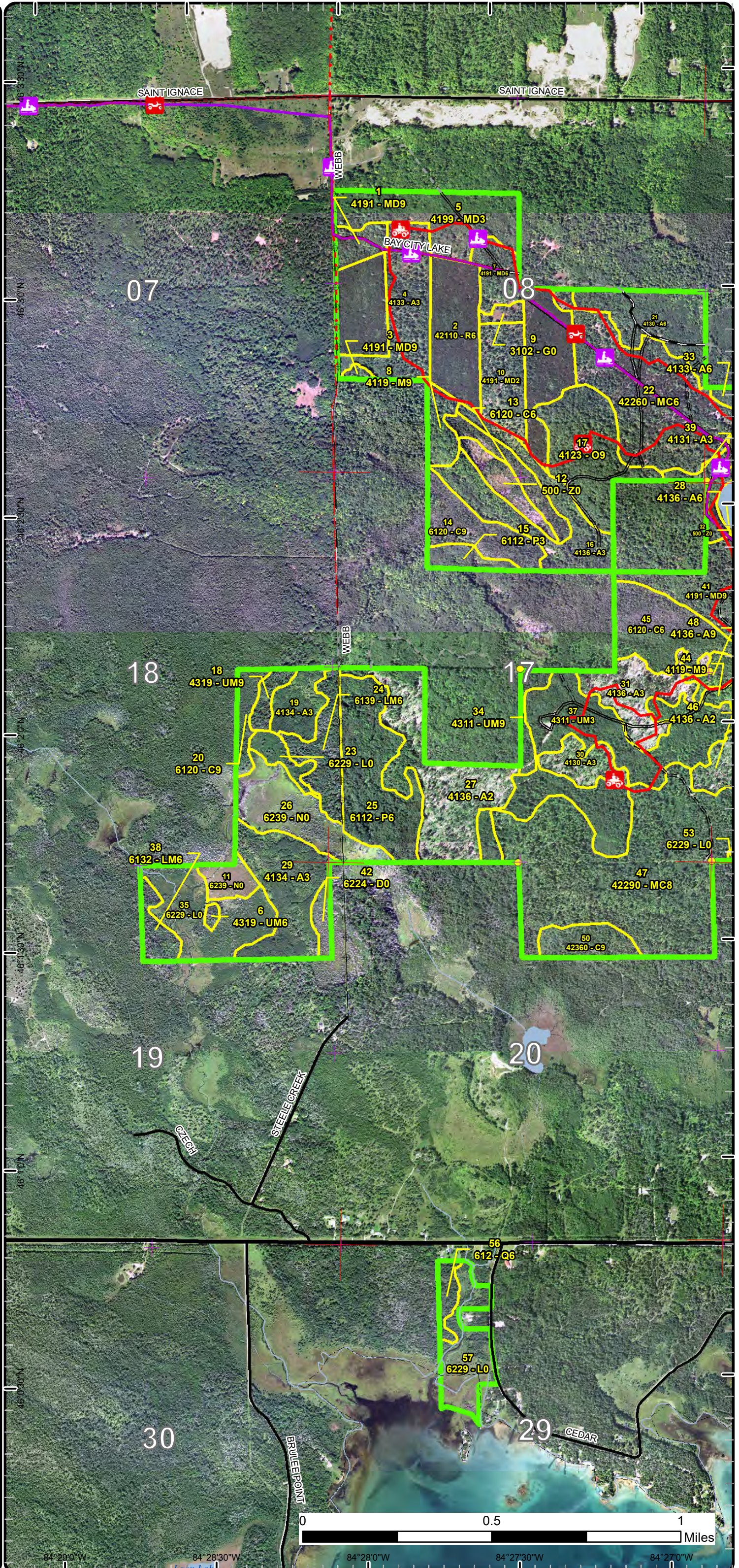
84°27'30"W 84°27'0"W 84°26'30"W 84°26'0"W 84°25'30"W

Stand Boundary Map

Compartment: 32
 T42N,R01E, Sec: 8, 9, 16-20, 29
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Huron Patterned
 Outcrop
 YOE: 2023
 Acres: 1433.9 GIS Calculated
 Examiner: Jeff Wise
 Map Revised: 1/28/2022
 Map Phase: Post Review



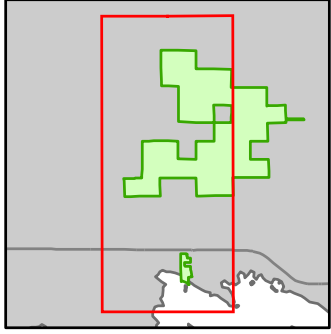
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated ATV
- - - Designated ORV Route
- - - Designated Snowmobile Trails
- - - Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



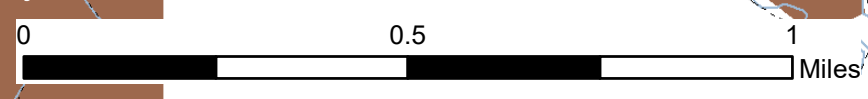
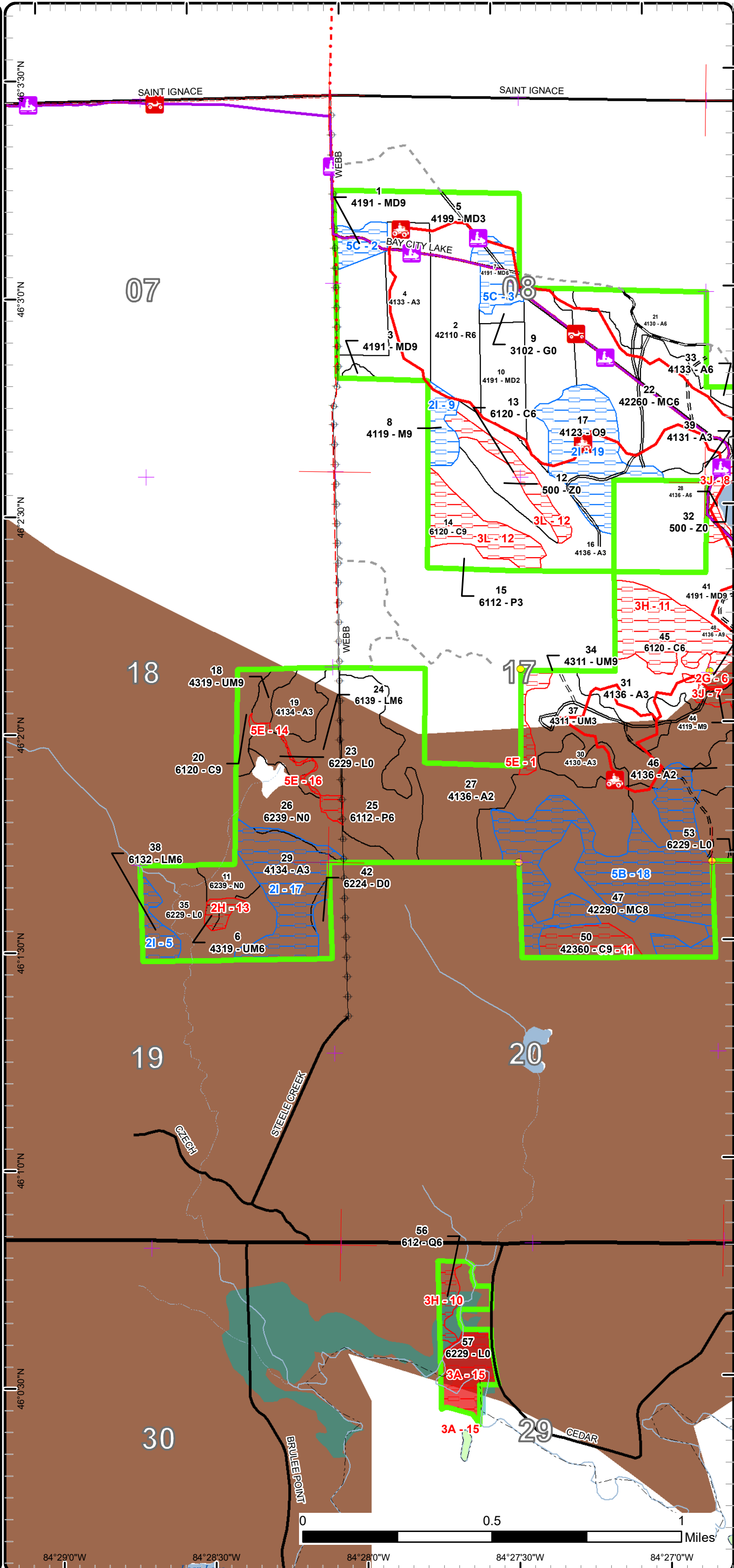
84°29'0"W 84°28'30"W 84°28'0"W 84°27'30"W 84°27'0"W

Special Conservation Areas

Compartment: 32
 T42N,R01E, Sec: 8, 9, 16-20, 29
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Huron Patterned
 Outcrop
 YOE: 2023
 Acres: 1433.9 GIS Calculated
 Examiner: Jeff Wise
 Map Revised: 1/28/2022
 Map Phase: Post Review



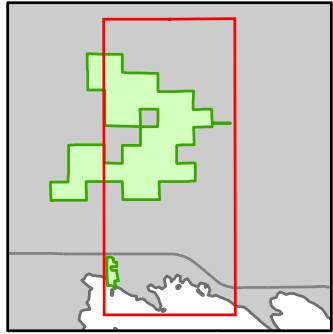
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🛵 ORV Trails
- 🛵 ORV Routes
- 🛷 Snowmobile Trails
- Designated ATV
- - - Designated ORV Route
- - - Designated Snowmobile Trails
- ~ Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- ⊕ Powerline
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Coastal Environmental Areas
- Deer Winter Range
- Great Lakes Islands



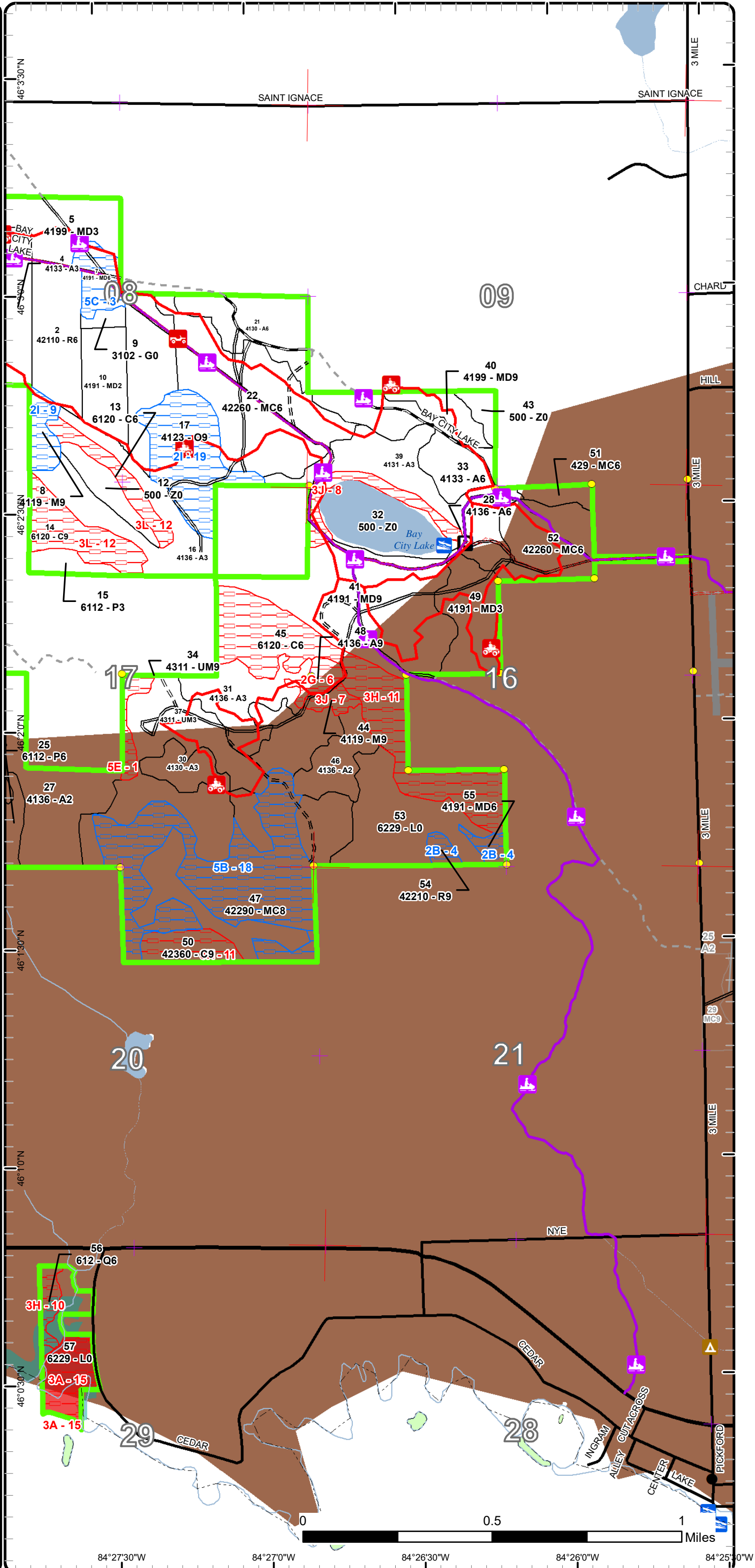
84°29'0"W 84°28'30"W 84°28'0"W 84°27'30"W 84°27'0"W

Special Conservation Areas

Compartment: 32
 T42N,R01E, Sec: 8, 9, 16-20, 29
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: Huron Patterned
 Outcrop
 YOE: 2023
 Acres: 1433.9 GIS Calculated
 Examiner: Jeff Wise
 Map Revised: 1/28/2022
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 ORV Routes
- 🚙 Snowmobile Trails
- Designated ATV
- - - Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- 🚤 Boating Access Site
- 🏕️ Campground
- City
- P Parking Lot
- Airports
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Coastal Environmental Areas
- Deer Winter Range
- Great Lakes Islands



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	109	77	87	61	0	0	6	0	0	12	0	0	0	0	0	0	0	352
Cedar	0	0	0	0	0	0	0	0	0	12	0	0	92	0	22	0	0	0	126
Herbaceous Openland	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Aspen/Balsam Poplar	0	0	0	7	0	45	0	0	0	0	0	0	0	0	0	0	0	0	52
Lowland Conifers	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	28
Lowland Shrub	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106
Marsh	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Mixed Upland Deciduous	0	0	22	0	65	0	0	0	0	0	17	0	8	0	0	0	0	89	200
Natural Mixed Pines	0	0	0	0	33	0	0	0	0	0	0	0	134	0	0	0	0	71	238
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14
Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	39
Red Pine	0	0	0	0	79	0	0	0	0	0	0	0	4	0	0	0	0	0	83
Treed Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Conifers	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Mixed Forest	0	0	0	0	79	0	0	6	0	0	0	7	0	0	0	0	0	0	91
Water	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Total	200	109	99	94	323	45	0	12	0	18	29	35	238	0	22	0	0	213	1435



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2023

Acres of Harvest

Compartment 32
Total Compartment Acres: 1,434

Commercial Harvest - 145
Harvests with Site Condition - 56
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Lowland Mixed Forest	16	0	0	0	0	0	0	0	0	16
Mixed Upland Deciduous	4	0	0	0	0	0	0	0	0	4
Natural Mixed Pines	0	0	0	45	0	0	0	0	0	45
Northern Hardwood	0	9	0	0	0	0	0	0	0	9
Oak	0	39	0	0	0	0	0	0	0	39
Red Pine	4	0	0	0	0	79	0	0	0	83
Upland Mixed Forest	5	0	0	0	0	0	0	0	0	5
Total	29	48	0	45	0	79	0	0	0	201

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	201	0	0	0	0	0	0	0	0	201
Next Step	0	0	0	0	0	0	122	0	0	122
Total	201	0	0	0	0	0	122	0	0	324



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
-----------------------	----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

Approved Treatments:

2	45032002-Cut	79.1	42110 - Planted Red Pine	Poetimber Well	34	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Remove every third row from these plantations. Only take other species if they fall within the row. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> ORV Route, Motorcycle Trail and Snowmobile Trail are in the vicinity of this treatment, make sure to use normal trail protection specs. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022</p>											
8	45032008-Cut	9.4	4119 - Mixed Northern Hardwoods	Sawtimber Well	111	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark to 70-80 BA except do not mark pine. Leave good quality, mast producing oak. Open up regeneration gaps to enhance regeneration of oak within the stand. Favor oak as the species to retain. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> present species <u>Regen:</u> <u>Other</u> May need survey, old blue line present from Pvt cut, winter cut for deer yard. Avoid boulder areas where possible. MNFI survey will be needed if larger boulders are in treatment area. ORV Route, Motorcycle Trail and Snowmobile Trail are in the vicinity of this treatment, make sure to use normal trail protection specs. <u>Comment:</u> <u>Site Condition</u> Survey Needed <u>Proposed Start Date:</u> 10/1 /2022</p>											
17	45032017-Cut	38.9	4123 - Red Oak	Sawtimber Well	111	81-110	Harvest	Single Tree Selection	412 - Oak Types	Uneven-Aged	No
<p><u>Prescription</u> Mark to 70-80 BA except do not mark pine. Leave good quality, mast producing oak. Open up regeneration gaps to enhance regeneration of oak within the stand. Favor oak as the species to retain. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> present species <u>Regen:</u> <u>Other</u> ORV Route, Motorcycle Trail and Snowmobile Trail are in the vicinity of this treatment, make sure to use normal trail protection specs. <u>Comment:</u> <u>Site Condition</u> Survey Needed <u>Proposed Start Date:</u> 10/1 /2022</p>											



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
18	45032018-Cut	5.0	4319 - Mixed Upland Forest	Sawtimber Well	105	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees down to a 2' top. except cedar and pine, winter cut, deer yard.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> present species</p> <p><u>Regen:</u></p> <p><u>Other</u> Was sold and never cut check paint lines.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
24	45032024-Cut	16.1	6139 - Mixed Lowland Forest	Poletimber Well	105	Unspec ified	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees down to a 2" top except pine and cedar, winter cut deer yard.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> present species</p> <p><u>Regen:</u></p> <p><u>Other</u> Sold and never cut, check paint lines.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
47	45032047-Cut	45.1	42290 - Natural Mixed Pine	Sawtimber Medium	114	1-50	Harvest	Seed Tree with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> This treatment shape is likely to change during field work. Focus this treatment on the areas of more closed canopy pine/cedar that have less aspen growing in the understory. With in the treatment area leave all cedar and mark scattered pine to be left focusing on leaving white pine over red pine whenever possible. Stay out of areas with dense aspen regeneration that have little pine canopy and areas with boulders and areas of dense cedar canopy that provides winter cover.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Acceptable regen includes aspen, birch, maple, spruce, fir, pine, cedar, hemlock and oak.</p> <p><u>Regen:</u></p> <p><u>Other</u> Winter cut deer yard. ORV Route, Motorcycle Trail and Snowmobile Trail are in the vicinity of this treatment, make sure to use normal trail protection specs.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
54	45032054-Cut	3.6	42210 - Natural Red Pine	Sawtimber Well	118	111-140	Harvest	Clearcut	4221 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> Cut all trees down to a 2" top except cedar and white pine. No retention due to small acreage.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> present species</p> <p><u>Regen:</u></p> <p><u>Other</u> Factor limited for access. Winter cut deer yard.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											



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
55 45032055-Cut	4.2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	95	1-50	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Cut all trees down to a 2 " top except cedar and pine. No retention due to small acreage.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> present species</p> <p><u>Regen:</u></p> <p><u>Other</u> Factor limited for access. Winter cut, deer yard.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Total Treatment 201.4
Acreage Proposed:

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 32

Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions										
		With Condition				2B	2I	5B	5C	2G	2H	3A	3H	3J	3L	5E
352	298	36		18	Aspen		36			6				12		0
125	8	0		117	Cedar								83		34	
3	3	0		0	Herbaceous Openland											
53	53	0		0	Lowland Aspen/Balsam Poplar											
6	0	0		6	Lowland Conifers							6				
28	16	9		3	Lowland Mixed Forest		9									3
105	87	0		18	Lowland Shrub					2	16					
39	37	2		0	Marsh		2									
200	175	25		0	Mixed Upland Deciduous	4			20					0		
238	149	89		0	Natural Mixed Pines			89								
14	0	9		4	Northern Hardwood		9							4		
39	0	39		0	Oak		39									
83	79	4		0	Red Pine	4										
5	4	1		0	Treed Bog		1									
6	6	0		0	Upland Conifers											
92	83	0		8	Upland Mixed Forest					1			0		7	
47	47	0		0	Water											
1,434	1,046	213		175	Total Forested Acres	8	96	89	20	6	4	16	89	16	34	10
	73%	15%		12%	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	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 32

Year of Entry: 2023

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	2I: Survey needed	9	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Road on pvt comes close to stand, could be available with survey and permission.							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Contains drainages from the cedar stand to the north.							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 32

Year of Entry: 2023

9	Available	2I: Survey needed	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	83	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3L: Other wildlife concerns	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments: close to the deer yard for cedar cutting restraints.							
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Surrounded by large marsh/low areas.							
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 32

Year of Entry: 2023

15	Unavailable	3A: Conservation Values incompatible with harvest at this time	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: GL Marsh ERA							
16	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	2I: Survey needed	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Corner in NE was destroyed during fire suppression in 2018.							
18	Available	5B: Maintain for regeneration purposes	89	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Mostly and A3 with scattered pine over top. Manage the aspen in this area							
19	Available	2I: Survey needed	39	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	Great Lakes Islands	Great Lakes Islands provide significant habitat for numerous species, including many rare plants and animals, several of which are endemic or largely restricted to the Great Lakes region. Due to their isolation, islands provide good examples of many Great Lakes-associated natural communities and ecosystems, and thus have potential to provide insights for understanding the consequences of human disturbance on the increasingly fragmented ecosystems of the mainland.
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.
HCVA	Coastal Environmental Areas	The public designation process is defined by Part 323, Shorelands Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). This is an inactive program with no new areas currently under consideration by the DEQ.
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	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	8.1	111	51-80	N/A	Not really enough to do anything with, mostly oak and pine.
----------	--	----------------	-----	-----	-------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	35	Log/Pole	10	111
Beech	5	Pole/Sapling	5	
Red Maple	10	Pole/Sapling	5	
White Pine	40	Log/Pole	10	111
Bigtooth Aspen	10	Pole	6	41

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	Variable	Sapling
Aspen (spp.)	Low	Variable	Pole
White Pine	Medium	Variable	Sapling

2	42110 - Planted Red Pine	Poletimber Well	79.1	34	111-140	N/A	Made Pole size this YOE, but only two-three sticks.
----------	--------------------------	-----------------	------	----	---------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Pole	6	34

3	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	1.5	82	51-80	N/A	Cut last YOE beech salvage 2014, barely a stand but has a lot of hemlock.
----------	--	----------------	-----	----	-------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Pole	7	
Sugar Maple	40	Log/Pole	12	82
Hemlock	35	Log	16	161
Red Oak	10	Log	16	
Red Maple	10	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Deciduous Saplings	Low	Variable	Sapling

4	4133 - Aspen, Mixed Pine	Sapling Well	34.2	17	Unspecified	N/A	Recently cut, regen adequate, the stand was semi-open to begin with, oak and pine reserved.
----------	--------------------------	--------------	------	----	-------------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Pole/Sapling	6	
White Pine	20	Log/Pole	12	93
Red Maple	5	Sapling	1	
Bigtooth Aspen	30	Sapling	1	17
Quaking Aspen	30	Sapling	1	17
Paper Birch	5	Sapling	1	

5	4199 - Other Mixed Upland Deciduous	Sapling Well	37.7	33	51-80	N/A	Regeneration good, no noticeable BBD on beech regen.
----------	-------------------------------------	--------------	------	----	-------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Log/Pole	10	
Beech	30	Sapling	4	33
White Pine	5	Pole/Sap/Log	8	
Red Maple	10	Sapling	3	
Quaking Aspen	30	Sapling	3	33
Sugar Maple	10	Sapling	3	
Paper Birch	5	Sapling	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
6	4319 - Mixed Upland Forest	Poletimber Well	1.3	105	51-80	N/A	Island in the lowland marsh and brush, OI data indicates aspen, birch, pine, fir/spruce.																																															
7	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	12.3	93	81-110	N/A	Small, mature stand that breaks up surrounding cuts and has road/snow trail intersections. The stand has scattered log size white pine with smaller diameter deciduous trees. Check for north corner, may need survey.																																															
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>30</td> <td>Pole/Log</td> <td>9</td> <td>93</td> </tr> </tbody> </table>				Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	20	Pole	8		Paper Birch	10	Pole	8		Red Maple	10	Pole	6		White Pine	30	Pole/Log	9	93	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Red Oak	20	Pole	8																																																			
Paper Birch	10	Pole	8																																																			
Red Maple	10	Pole	6																																																			
White Pine	30	Pole/Log	9	93																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																			
White Pine	Medium	Variable	Sapling																																																			
8	4119 - Mixed Northern Hardwoods	Sawtimber Well	9.4	111	111-140	N/A	Check for north corner, may need survey.																																															
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>30</td> <td>Log/Pole</td> <td>10</td> <td>111</td> </tr> <tr> <td>Quaking Aspen</td> <td>5</td> <td>Pole/Log</td> <td>10</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Log/Pole</td> <td>10</td> <td>111</td> </tr> <tr> <td>Hemlock</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>				Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	30	Log/Pole	10	111	Quaking Aspen	5	Pole/Log	10		Red Maple	30	Log/Pole	10	111	Hemlock	10	Log	12		Red Oak	20	Log/Pole	12		Paper Birch	5	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>Variable</td> <td>Pole</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Pole</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	Variable	Pole	Red Maple	Medium	Variable	Pole
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Sugar Maple	30	Log/Pole	10	111																																																		
Quaking Aspen	5	Pole/Log	10																																																			
Red Maple	30	Log/Pole	10	111																																																		
Hemlock	10	Log	12																																																			
Red Oak	20	Log/Pole	12																																																			
Paper Birch	5	Pole	8																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Sugar Maple	Medium	Variable	Pole																																																			
Red Maple	Medium	Variable	Pole																																																			
9	3102 - Grass	Nonstocked	3.3		Unspecified	No																																																
10	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	21.6	17	1-50	N/A	Pine and oak reserved enough for stocking, with aspen regen.																																															
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>20</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>35</td> <td>Sapling</td> <td>2</td> <td>17</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>White Pine</td> <td>25</td> <td>Log/Pole</td> <td>10</td> <td>93</td> </tr> </tbody> </table>				Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	10	Sapling	2		Red Oak	20	Pole	6		Bigtooth Aspen	35	Sapling	2	17	Red Maple	10	Sapling	2		White Pine	25	Log/Pole	10	93																			
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Paper Birch	10	Sapling	2																																																			
Red Oak	20	Pole	6																																																			
Bigtooth Aspen	35	Sapling	2	17																																																		
Red Maple	10	Sapling	2																																																			
White Pine	25	Log/Pole	10	93																																																		
11	6239 - Mixed Emergent Wetland	Nonstocked	7.8		Unspecified	No																																																
12	500 - Water	Nonstocked	10.9		Unspecified	No																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

13	6120 - Lowland Cedar	Poletimber Well	11.8	89	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		5	Log/Pole	10		Balsam Fir	
Black Spruce		5	Pole	6		Medium	
Northern White Cedar		70	Pole	8	89	Variable	
Balsam Fir		10	Pole	7		Sapling	
Hemlock		10	Log	14			

14	6120 - Lowland Cedar	Sawtimber Well	22.1	138	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		80	Log/Pole	10	138	Northern White Cedar	
Black Spruce		10	Pole	6		Medium	
Balsam Fir		10	Pole	6		Variable	
						Sapling	

15	6112 - Lowland Aspen	Sapling Well	7.2	26	Unspecified	N/A	Regen good
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		30	Sapling	2	26		
White Spruce		5	Sapling	2			
Balsam Poplar		30	Sapling	2	26		
Bigtooth Aspen		30	Sapling	2	26		
Balsam Fir		5	Sapling	2			

16	4136 - Aspen, Mixed Conifer	Sapling Well	37.2	26	Unspecified	N/A	Regen very nice, contains a gully at the south end with mature hemlock.
Canopy Species		% Cover	Size Class	DBH	Age		
Balsam Poplar		10	Sapling	2			
White Pine		5	Log	12			
Red Maple		20	Sapling	2			
Balsam Fir		10	Sapling	2			
Black Cherry		5	Sapling	2			
Quaking Aspen		20	Sapling	2	26		
White Spruce		5	Sapling	2			
Bigtooth Aspen		20	Sapling	2			
Northern White Cedar		5	Pole	6			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

17 4123 - Red Oak Sawtimber Well 38.8 111 81-110 N/A More aspen in the north, better oak in the south.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	8		Red Pine	Low	Variable	Pole
Hemlock	3	Log	12		Deciduous Saplings	Medium	Variable	Sapling
Red Maple	10	Pole	6		White Pine	Low	Variable	Sapling
Bigtooth Aspen	10	Pole	7		Balsam Fir	Low	Variable	Sapling
Beech	2	Log/Pole	10					
White Pine	5	Log/Pole	10					
Red Oak	60	Log/Pole	12	111				
Red Pine	5	Pole	5					

18 4319 - Mixed Upland Forest Sawtimber Well 5.7 105 51-80 N/A Mature but rocky, looks like it was left as a buffer in a previous harvest..

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	8		Balsam Fir	Medium	Variable	Sapling
White Spruce	5	Log/Pole	12					
Balsam Poplar	10	Log	12					
White Pine	10	Log	12					
Quaking Aspen	40	Log/Pole	10	105				
Northern White Cedar	20	Log	12					
Balsam Fir	10	Pole	8					

19 4134 - Aspen, Spruce/Fir Sapling Well 13.0 25 Unspecified N/A Nice diversity, semi-open in spots.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	20	Sapling	2	
Northern White Cedar	5	Pole	8	
Balsam Poplar	10	Sapling	2	
White Pine	5	Log	12	
Quaking Aspen	40	Sapling	2	25
White Spruce	10	Sapling	2	
Balsam Fir	10	Sapling	2	

20 6120 - Lowland Cedar Sawtimber Well 8.3 111 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	7		Northern White Cedar	Low	Variable	Pole
Northern White Cedar	90	Log/Pole	10	111				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

21 4130 - Aspen Poletimber Well 29.0 37 Unspecified N/A 1/4 corner between Sec 8-9 needs replacing, Witness trees present but two are dead and down.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	Pole/Sap/Log	8		Aspen (spp.)	Low	Variable	Sapling
Sugar Maple	5	Pole/Sapling	5		White Pine	Medium	Variable	Sapling
Paper Birch	5	Pole/Sapling	5					
Beech	5	Pole/Sap/Log	8					
White Pine	10	Pole/Log	10					
Red Maple	5	Pole/Sapling	5					
Quaking Aspen	60	Pole/Sapling	5	37				

22 42260 - Natural Pine, Mixed Deciduous Poletimber Well 70.9 31 51-80 N/A Previously this stand was sparse, now gradually has become timbered with mixed pine. Boy Scouts have been planting pine trees here for many years, but not recently.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	3		White Pine	Low	Variable	Sapling
Red Pine	25	Pole/Sapling	5	31				
Red Oak	10	Pole/Log/Sap	8					
Jack Pine	20	Sapling/Pole	4	31				
White Pine	20	Pole/Sap/Log	8	91				
Quaking Aspen	15	Sapling/Pole	4					

23 6229 - Mixed lowland shrub Nonstocked 6.7 Unspecified No

24 6139 - Mixed Lowland Forest Poletimber Well 19.3 105 Unspecified N/A Not all lowland, sort of rocky on east ridge near powerline.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	25	Log/Pole	12	105	Balsam Fir	Medium	Variable	Sapling
White Spruce	5	Log/Pole	12					
Paper Birch	5	Pole	8					
Balsam Fir	10	Pole	7					
White Pine	5	Log	14					
Bigtooth Aspen	5	Log	12					
Black Spruce	20	Pole	8					
Sugar Maple	5	Pole	8					
Balsam Poplar	10	Pole	9					
Northern White Cedar	10	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
25	6112 - Lowland Aspen	Poletimber Well	45.3	42	51-80	N/A	Almost pure aspen types, low and wet in most areas, makes pole size this YOE.																																																					
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Balsam Poplar</td> <td>30</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Pole/Sapling</td> <td>5</td> <td>42</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	30	Pole/Sapling	5		Balsam Fir	5	Pole/Sapling	5		Balsam Poplar	30	Pole/Sapling	5		Quaking Aspen	30	Pole/Sapling	5	42	White Pine	5	Log/Pole	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Deciduous Shrubs</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Deciduous Shrubs	Medium	Variable	Tall Shrub																	
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Bigtooth Aspen	30	Pole/Sapling	5																																																									
Balsam Fir	5	Pole/Sapling	5																																																									
Balsam Poplar	30	Pole/Sapling	5																																																									
Quaking Aspen	30	Pole/Sapling	5	42																																																								
White Pine	5	Log/Pole	12																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Deciduous Shrubs	Medium	Variable	Tall Shrub																																																									
26	6239 - Mixed Emergent Wetland	Nonstocked	30.8		Unspecified	No	Contains a landmark called Morgan Spring where it is reported one can see deep into clear water with logs and bubbling springs. This marsh burned in 2018 , Hessel fire, 32 acres.																																																					
27	4136 - Aspen, Mixed Conifer	Sapling Medium	53.2	6	Immature	N/A	Stand was cut as part of Bay City Rock and Rollers in the spring of 2016. Decent amount of pine and cedar scattered throughout the stand.																																																					
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>80</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	10	Pole	6		White Pine	10	Log	16		Quaking Aspen	80	Sapling	1	6																																					
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Northern White Cedar	10	Pole	6																																																									
White Pine	10	Log	16																																																									
Quaking Aspen	80	Sapling	1	6																																																								
28	4136 - Aspen, Mixed Conifer	Poletimber Well	12.0	91	1-50	N/A	Buffer stand around Bay City Lake for aesthetics. and erosion control.																																																					
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>50</td> <td>Log/Pole</td> <td>12</td> <td>91</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5	Pole	8		Northern White Cedar	5	Pole	6		Bigtooth Aspen	50	Log/Pole	12	91	White Pine	10	Log/Pole	14		Red Oak	10	Log/Pole	10		White Spruce	5	Pole/Log	8		Red Maple	10	Pole	7		Balsam Fir	5	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling		
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Paper Birch	5	Pole	8																																																									
Northern White Cedar	5	Pole	6																																																									
Bigtooth Aspen	50	Log/Pole	12	91																																																								
White Pine	10	Log/Pole	14																																																									
Red Oak	10	Log/Pole	10																																																									
White Spruce	5	Pole/Log	8																																																									
Red Maple	10	Pole	7																																																									
Balsam Fir	5	Pole	6																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Balsam Fir	Medium	Variable	Sapling																																																									
29	4134 - Aspen, Spruce/Fir	Sapling Well	36.4	24	Unspecified	N/A	West edge of Hessel Fire , 2018, corner may have been damaged by equipment, needs a look see.																																																					
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Poplar</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>50</td> <td>Sapling</td> <td>2</td> <td>24</td> </tr> <tr> <td>White Spruce</td> <td>15</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Poplar	5	Sapling	2		Quaking Aspen	50	Sapling	2	24	White Spruce	15	Sapling	2		Bigtooth Aspen	10	Sapling	2		Balsam Fir	20	Sapling	2																												
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Balsam Poplar	5	Sapling	2																																																									
Quaking Aspen	50	Sapling	2	24																																																								
White Spruce	15	Sapling	2																																																									
Bigtooth Aspen	10	Sapling	2																																																									
Balsam Fir	20	Sapling	2																																																									
30	4130 - Aspen	Sapling Well	12.1	6	Immature	N/A	Stand was harvested in the spring of 2016 as part of Bay City Rock and Rollers (45-012-13-01). Decent amount of white pine left during the harvest.																																																					
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>90</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	10	Log	16		Quaking Aspen	90	Sapling	1	6																																										
Canopy Species	% Cover	Size Class	DBH	Age																																																								
White Pine	10	Log	16																																																									
Quaking Aspen	90	Sapling	1	6																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																	
31	4136 - Aspen, Mixed Conifer	Sapling Well	26.3	6	Immature	N/A	Stand was cut in spring of 2016 as part of Bay City Rock and Rollers. Cedar and pine were retained during the cut.																																																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>80</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	10	Pole	6		White Pine	10	Log	16		Quaking Aspen	80	Sapling	1	6																																																													
Canopy Species	% Cover	Size Class	DBH	Age																																																																																				
Northern White Cedar	10	Pole	6																																																																																					
White Pine	10	Log	16																																																																																					
Quaking Aspen	80	Sapling	1	6																																																																																				
32	500 - Water	Nonstocked	30.5		Unspecified	No	Bay City Lake, water level is extremely high this YOE. ORV trail is flooded, water is up to lower campsites up into the trees with no shoreline. Trees look like they are dying.																																																																																	
33	4133 - Aspen, Mixed Pine	Poletimber Well	32.0	35	Unspecified	N/A	Spring flooding from stand 43 mitigated by fire officers to drain naturally down the road into stand 39, working nicely. Stand is almost A6.																																																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>20</td> <td>Pole/Log/Sap</td> <td>9</td> <td></td> <td>Aspen (spp.)</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>40</td> <td>Pole/Sapling</td> <td>5</td> <td>35</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	20	Pole/Log/Sap	9		Aspen (spp.)	Medium	Variable	Sapling	Quaking Aspen	40	Pole/Sapling	5	35					Paper Birch	10	Sapling	3						Red Maple	10	Sapling/Pole	4						White Pine	20	Log/Pole	12																																
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																																																
Red Oak	20	Pole/Log/Sap	9		Aspen (spp.)	Medium	Variable	Sapling																																																																																
Quaking Aspen	40	Pole/Sapling	5	35																																																																																				
Paper Birch	10	Sapling	3																																																																																					
Red Maple	10	Sapling/Pole	4																																																																																					
White Pine	20	Log/Pole	12																																																																																					
34	4311 - Pine, Aspen Mix	Sawtimber Well	6.1	69	111-140	N/A	This stand was left as retention when Bay City Rock and Rollers was set up. Stand has a decent amount of white pine and some rocky areas.																																																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>25</td> <td>Log/Pole</td> <td>14</td> <td>69</td> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole</td> <td>14</td> <td>111</td> <td>Aspen (spp.)</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>15</td> <td>Log/Pole</td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Spruce</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	25	Log/Pole	14	69	Balsam Fir	Low	Variable	Sapling	White Pine	20	Log/Pole	14	111	Aspen (spp.)	Low	Variable	Sapling	Red Maple	10	Pole	7						Balsam Fir	5	Pole	7						Bigtooth Aspen	15	Log/Pole	12						Red Pine	10	Log	14						Paper Birch	5	Pole	8						White Spruce	10	Log/Pole	12					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																																																
Quaking Aspen	25	Log/Pole	14	69	Balsam Fir	Low	Variable	Sapling																																																																																
White Pine	20	Log/Pole	14	111	Aspen (spp.)	Low	Variable	Sapling																																																																																
Red Maple	10	Pole	7																																																																																					
Balsam Fir	5	Pole	7																																																																																					
Bigtooth Aspen	15	Log/Pole	12																																																																																					
Red Pine	10	Log	14																																																																																					
Paper Birch	5	Pole	8																																																																																					
White Spruce	10	Log/Pole	12																																																																																					
35	6229 - Mixed lowland shrub	Nonstocked	33.7		Unspecified	No																																																																																		
37	4311 - Pine, Aspen Mix	Sapling Well	78.5	33	51-80	N/A	Stand became pole size.																																																																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Pole/Sapling</td> <td>5</td> <td></td> <td>Deciduous Shrubs</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Pine</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> <td>Balsam Fir</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> <td>Aspen (spp.)</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Pole/Sapling</td> <td>5</td> <td>33</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole</td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	20	Pole/Sapling	5		Deciduous Shrubs	Medium	Variable	Tall Shrub	Red Pine	20	Log/Pole	12		Balsam Fir	Low	Variable	Sapling	Balsam Fir	5	Pole/Sapling	5		Aspen (spp.)	Low	Variable	Sapling	White Spruce	5	Sapling/Pole	4						Quaking Aspen	30	Pole/Sapling	5	33					White Pine	20	Log/Pole	14																							
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																																																
Bigtooth Aspen	20	Pole/Sapling	5		Deciduous Shrubs	Medium	Variable	Tall Shrub																																																																																
Red Pine	20	Log/Pole	12		Balsam Fir	Low	Variable	Sapling																																																																																
Balsam Fir	5	Pole/Sapling	5		Aspen (spp.)	Low	Variable	Sapling																																																																																
White Spruce	5	Sapling/Pole	4																																																																																					
Quaking Aspen	30	Pole/Sapling	5	33																																																																																				
White Pine	20	Log/Pole	14																																																																																					
38	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	8.5	105	Unspecified	N/A	Stand is on the far south west part of comp. OI data indicates fir/spruce with cedar and aspen.																																																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

39	4131 - Aspen, Oak	Sapling Well	43.3	17	Unspecified	N/A	Hodge podge of mixed regeneration coming back nice. Fire Officers mitigated flooding from northern beaver pond by creating a natural drainage over the road and through this stand to reach the Lake. Can be seen on imagery, working nicely, however, slower flow does not reach the lake, it is ponding in the stand, creating marsh like conditions. Beware it does not kill many trees within the stand. 2020, Road needs maintenance from this mitigation drainage project.
-----------	-------------------	--------------	------	----	-------------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Beech	5	Pole/Sapling	5	
Bigtooth Aspen	20	Sapling	3	
Red Oak	20	Pole/Log	8	
White Pine	10	Pole/Log	9	
White Ash	5	Pole	6	
Quaking Aspen	30	Sapling	3	17
Paper Birch	10	Sapling	3	

40	4199 - Other Mixed Upland Deciduous	Sawtimber Well	10.6	111	51-80	N/A	Cut in 2016, beech salvage, has a fringe of conifers along the pond but too small for management, very diverse stand.
-----------	-------------------------------------	----------------	------	-----	-------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	40	Log/Pole	10	111
Quaking Aspen	10	Log/Pole	10	
White Pine	5	Log/Pole	12	
Paper Birch	10	Log/Pole	10	
White Spruce	5	Pole	1	19
Red Oak	5	Log/Pole	10	
Balsam Fir	5	Pole	8	
Red Maple	10	Pole/Log	9	
Bigtooth Aspen	10	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Deciduous Saplings	Medium	Variable	Sapling

41	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	77.2	111	51-80	N/A	Contains Bay City Lake campground area, beech salvage 2014.
-----------	--	----------------	------	-----	-------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	20	Log/Pole	12	
Hemlock	10	Log	14	
Paper Birch	5	Pole	7	
Red Maple	30	Log	10	111
Quaking Aspen	20	Log/Pole	10	
Yellow Birch	5	Log	10	
White Pine	10	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Deciduous Saplings	Medium	Variable	Sapling

42	6224 - Treed Bog	Nonstocked	5.2		Unspecified	No	
-----------	------------------	------------	-----	--	-------------	----	--

43	500 - Water	Nonstocked	5.4		Unspecified	No	
-----------	-------------	------------	-----	--	-------------	----	--



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
44	4119 - Mixed Northern Hardwoods	Sawtimber Well	4.5	111	111-140	N/A	Nice sugar maple stand but contains some boulders, and many drainages from the cedar stand which is actually uphill ?																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Yellow Birch</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Beech</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>60</td> <td>Log/Pole</td> <td>16</td> <td>111</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Yellow Birch	10	Log/Pole	10		Northern White Cedar	5	Pole	8		Paper Birch	5	Log/Pole	10		Beech	5	Pole	8		White Pine	10	Log/Pole	14		Sugar Maple	60	Log/Pole	16	111	Bigtooth Aspen	5	Log	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Deciduous Saplings</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Deciduous Saplings	Medium	Variable	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Yellow Birch	10	Log/Pole	10																																																			
Northern White Cedar	5	Pole	8																																																			
Paper Birch	5	Log/Pole	10																																																			
Beech	5	Pole	8																																																			
White Pine	10	Log/Pole	14																																																			
Sugar Maple	60	Log/Pole	16	111																																																		
Bigtooth Aspen	5	Log	12																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Deciduous Saplings	Medium	Variable	Sapling																																																			
45	6120 - Lowland Cedar	Poletimber Well	70.1	111	Unspecified	N/A	Very strange, this stand is lowland with flowing water yet is HIGHER than the hardwood stand where the water is flowing.																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole/Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>5</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>75</td> <td>Pole/Log</td> <td>9</td> <td>111</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	5	Pole/Sapling	4		Quaking Aspen	5	Pole/Log	9		Tamarack	5	Sapling	2		Black Spruce	5	Pole	7		Paper Birch	5	Pole	8		Northern White Cedar	75	Pole/Log	9	111	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling								
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Balsam Fir	5	Pole/Sapling	4																																																			
Quaking Aspen	5	Pole/Log	9																																																			
Tamarack	5	Sapling	2																																																			
Black Spruce	5	Pole	7																																																			
Paper Birch	5	Pole	8																																																			
Northern White Cedar	75	Pole/Log	9	111																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Balsam Fir	Medium	Variable	Sapling																																																			
46	4136 - Aspen, Mixed Conifer	Sapling Medium	17.7	6	Immature	N/A	Stand was cut as part of Bay City Rock and Rollers in the spring of 2016. Decent amount of white pine left and a patch of cedar. This stand was typed as lowland last inventory but when they cut it was mostly up land with a few low spots.																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>80</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	80	Sapling	1	6	White Pine	10	Log	16		Northern White Cedar	10	Pole	6																																		
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Quaking Aspen	80	Sapling	1	6																																																		
White Pine	10	Log	16																																																			
Northern White Cedar	10	Pole	6																																																			
47	42290 - Natural Mixed Pine	Sawtimber Medium	134.1	114	1-50	N/A	Recently cut , has good and full regen, however, there is good pine still to manage. Aspen understory is 14 years old.																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>30</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>50</td> <td>Log/Pole</td> <td>12</td> <td>114</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	20	Pole	8		Red Pine	30	Log/Pole	12		White Pine	50	Log/Pole	12	114	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Aspen (spp.)</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	Aspen (spp.)	Medium	Variable	Sapling	Red Maple	Medium	Variable	Sapling															
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Northern White Cedar	20	Pole	8																																																			
Red Pine	30	Log/Pole	12																																																			
White Pine	50	Log/Pole	12	114																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Balsam Fir	Medium	Variable	Sapling																																																			
Aspen (spp.)	Medium	Variable	Sapling																																																			
Red Maple	Medium	Variable	Sapling																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

48	4136 - Aspen, Mixed Conifer	Sawtimber Well	5.9	61	Unspecified	N/A	A real mix of species but mature. may be wet at times.
-----------	-----------------------------	----------------	-----	----	-------------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	20	Log/Pole	10	
White Spruce	5	Pole	6	
Bigtooth Aspen	20	Log/Pole	10	
White Pine	10	Log/Pole	12	
Sugar Maple	5	Pole	8	
Balsam Fir	10	Sapling/Pole	5	
Red Pine	5	Log/Pole	12	
Quaking Aspen	20	Log/Pole/XLog	11	61
Northern White Cedar	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Deciduous Saplings	Medium	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling

49	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	26.7	38	51-80	N/A	Typical cut with white pine and oak reserved, stand has BBD on beech saps and poles.
-----------	--	--------------	------	----	-------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	30	Sapling	4	38
Red Maple	20	Sapling	4	
White Pine	20	Log/Pole	10	111
Red Oak	20	Log/Pole/Sap	10	111
Beech	10	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Deciduous Saplings	Medium	Variable	Sapling

50	42360 - Upland Cedar	Sawtimber Well	13.1	114	Unspecified	N/A	Stand gets rocky here, deeryard.
-----------	----------------------	----------------	------	-----	-------------	-----	----------------------------------

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	10	Log/Pole	12	
White Pine	10	Log/Pole	12	
Northern White Cedar	60	Log/Pole	10	114
Quaking Aspen	10	Log/Pole	10	
Red Pine	10	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling

51	429 - Mixed Upland Conifers	Poletimber Well	5.9	34	Immature	N/A	became pole size this YOE.
-----------	-----------------------------	-----------------	-----	----	----------	-----	----------------------------

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	20	Log/Pole/Sap	10	
Quaking Aspen	40	Pole/Sapling	5	34
White Spruce	20	Pole/Sapling	5	
Balsam Fir	20	Pole/Sapling	5	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

52 42260 - Natural Pine, Mixed Deciduous Poletimber Well 32.9 39 1-50 N/A Contains Bay City Lake Rd ownership.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	20	Pole/Sap/Log	8		Aspen (spp.)	Medium	Variable	Sapling
Bigtooth Aspen	10	Pole/Sapling	5		White Pine	Medium	Variable	Sapling
Red Maple	10	Pole/Sapling	6					
Red Pine	20	Pole/Sapling	5					
Quaking Aspen	20	Pole/Sapling	5	39				
Jack Pine	20	Pole/Sapling	5					

53 6229 - Mixed lowland shrub Nonstocked 41.9 Unspecified No

54 42210 - Natural Red Pine Sawtimber Well 3.6 118 111-140 N/A Tiny red pine stand, access only through private,

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	8		Balsam Fir	Low	Variable	Pole
Red Pine	60	Log/Pole	14	118				
White Spruce	5	Log/Pole	12					
Bigtooth Aspen	10	Pole/Log	12					
White Pine	5	Log/Pole	14					
Quaking Aspen	10	Log/Pole	10					
Northern White Cedar	5	Log/Pole	10					

55 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 4.2 95 1-50 N/A Small, isolated stand, access only through private.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	20	Pole	10	95	Balsam Fir	Medium	Variable	Sapling
White Spruce	10	Log/Pole	12					
Red Maple	10	Pole	8					
Bigtooth Aspen	15	Log	12					
Quaking Aspen	15	Log/Pole	10					
White Pine	10	Log	14					
Red Oak	10	Log/Pole	10					
Balsam Fir	10	Pole	8					

56 612 - Lowland Coniferous Forest Poletimber Well 5.8 81 111-140 N/A

57 6229 - Mixed lowland shrub Nonstocked 23.2 Unspecified No