



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45116

Entry Year 2024

Acreage: 1,925

County Mackinac

Management Area: St. Ignace Lake Plain

Stand Examiner: Nate Plato

Legal Description:

Moran Township T43N-R6W, Sections 33 - 35

Identified Planning Goals:

This compartment is located 3.5 miles north of Brevort. The compartment consists mainly of swamp species varying from spruce, white pine and hemlock to low cedar swamps to tag alder, marshes and bogs. The compartment also has a component of plantation red pine along the Carp River Truck Trail. Overall objectives include continued regeneration of the spruce/swamp conifer and hemlock/white pine components of the area, while maintaining areas of older, denser cover for diversity. Objectives also include improving and maintaining the red pine plantation component. Treatments include two red pine rotation harvests and one thinning. Multiple hemlock shelterwoods are also prescribed to promote hemlock regeneration on the landscape. There are also two mixed lowland clear cuts prescribed.

Soil and topography:

The upland pine area on the east side is comprised of Wallace sand, while the upland rolling hardwood in the southwest corner is mainly Paquin sand. The spruce, hemlock, white pine areas, and the swamp complexes vary from low ground to a few severe ridges. This area consists of Markey-Spot-Finch complex and Spot-Finch complex.

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

The entire compartment is surrounded by state ownership with similar management objectives.

Unique Natural Features:

A poor fen is identified within the compartment. The potential exists for threatened or endangered plant and animal species within the compartment. There is potential for goshawks to be present in the mature pine stands.

Archeological, Historical, and Cultural Features:

Remnants of old logging camps exist within the compartment.

Special Management Designations or Considerations:

Winter harvesting will be needed in the swamp conifer areas due to the low ground unless we have a dry enough summer(s) to allow limited access to stands.

Watershed and Fisheries Considerations:

This compartment is within both NLMMU and NLHMU. The portion in NLHMU is in the Carp River watershed and contains a tributary to the South Branch Carp River. Per discussions with the forester, I am comfortable going to a 150-foot no clearcut buffer in stand 62 since the objective is coniferous species. We also discussed converting stand 75 to a pine-oak savannah type. I am fine with this, as long as a mature trees are left to recruit to the river as large woody material habitat.

This compartment contains an unnamed stream that serves as a tributary to the Little Brevoort River. The unnamed stream is a designated Type 1 trout stream less than 50' width and has a predicted mean July temperature of 62.0 °F (cold stream). A 300' buffer is recommended for the unnamed stream in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Compartment 116 is located on the west side of the Carp River Red Pine Management Area where featured wildlife species include black burnian warbler, red-shouldered hawk, ruffed grouse, and snowshoe hare. The compartment contains both larger hemlock stands as well as the southern part of a larger cedar-dominated swamp. A poor fen ecological reference area is present on the west side. Other forest types include mixed upland hardwood and conifer stands, other lowland conifers, and red pine. Forest treatments over the past 30 years, including some in the mid- to late-1990's, have encouraged recruitment of hemlock, white pine, and mixed hardwoods in

areas on the western side of the compartment. This is one of few locations in the unit where hemlock is more abundant, and regeneration and recruitment are taking place. Hemlock will continue be encouraged carefully, and young growth will be allowed to mature. This and the young deciduous growth nearby will encourage use by species like ruffed grouse, snowshoe hare, blackburnian warbler, and others. Young lowland conifer growth will be encouraged in a portion of the compartment to encourage some young growth for snowshoe hare and other species, while remaining lowland conifer habitat is retained. The poor fen will be buffered and protected. Other wildlife species benefitting from this management include bobcat, fisher, marten, hawks, blackburnian warblers and a variety of neotropical migratory birds.

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. The nearest active sand/gravel pit is less than three miles to the southeast. Potential for sand & gravel development within the compartment appears limited, but there may be some potential on the uplands in sections 33 and 35. High-purity bedrock dolomite is at or near the surface in this area, but development of a new, large-scale commercial quarry here is unlikely.

Vehicle Access:

Access is limited somewhat by the low ground within the compartment. The main access roads are on the east end, and the southwest corner, of the compartment. Carp River Truck Trail and Rabbit Road are DNR maintained good sand roads that access the east quarter of the compartment. Several two-tracks offer additional access to the pine stands along Carp River Truck Trail. Jackson Truck Trail offers access to the south and west part of the compartment. This is a DNR poor dirt road that can be impassable in various places between Carp River Truck Trail to the east and Brevort River Road to the west. A few two-tracks exist to the north of Jackson Truck Trail that provide access to the spruce and hemlock stands, but parts of them are considered winter roads only. A couple two tracks exist to the south of Jackson Truck Trail that run into the adjacent compartments.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

The snowmobile trail runs along Carp River Truck Trail, and the ORV trail runs through the pine stands on the east side of the compartment. There are opportunities for fishing, hunting and trapping in the area.

Fire Protection:

The pine area along Carp River Truck Trail has the potential for a moderate to higher intensity fire. The rest of the compartment has a lower fire intensity potential, but the opportunity for ground fire does exist. Access could pose a problem if this occurs.

Additional Compartment Information:

The following reports from the Inventory are attached:

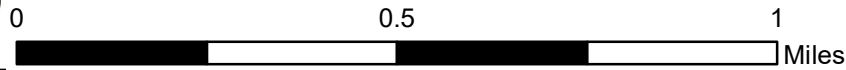
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

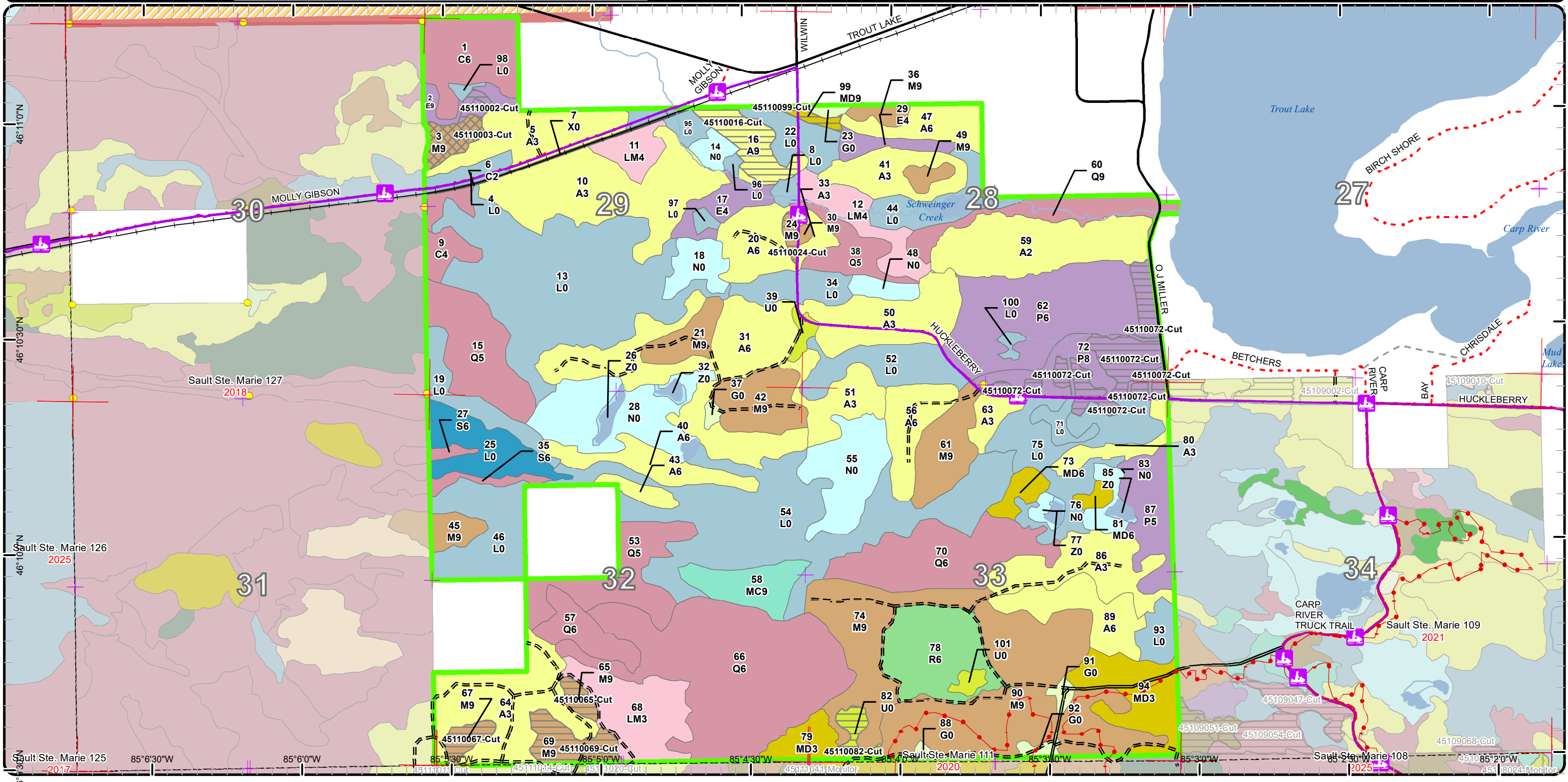
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 110
 T44N, R06W, Sec: 29, 28, 32, 33
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: St. Ignace Lake Plain
 YOE: 2024
 Acres: 2093.9 GIS Calculated
 Examiner: Cody Flatt
 Map Revised: 2/6/2023
 Map Phase: Post-Review

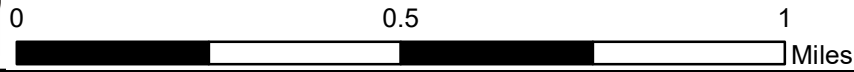


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Active Railroads
- 🚙 Snowmobile Trails
- ORV License & Trail Permit
- Designated ORV Route
- Designated Snowmobile Trails
- Drain
- Lake/Pond
- Perennial River
- Lakes and Rivers
- 📏 Compartment Boundary
- 📏 Selection (Group, Single Tree)
- 📏 Clearcut (w/Reserves)
- 📏 411 - Northern Hardwood
- 📏 413 - Aspen
- 📏 419 - Mixed Upland Deciduous
- 📏 421 - Planted Pines
- 📏 429 - Mixed Upland Conifers
- 📏 611 - Lowland Deciduous Forest
- 📏 612 - Lowland Coniferous Forest
- 📏 613 - Lowland Mixed Forest
- 📏 123 - Other High Intensity Urban
- 📏 310 - Herbaceous Openland
- 📏 330 - Low Density Trees
- 📏 500 - Water
- 📏 622 - Lowland Shrub
- 📏 623 - Emergent Wetland
- 📏 629 - Mixed Non-forested Wetland

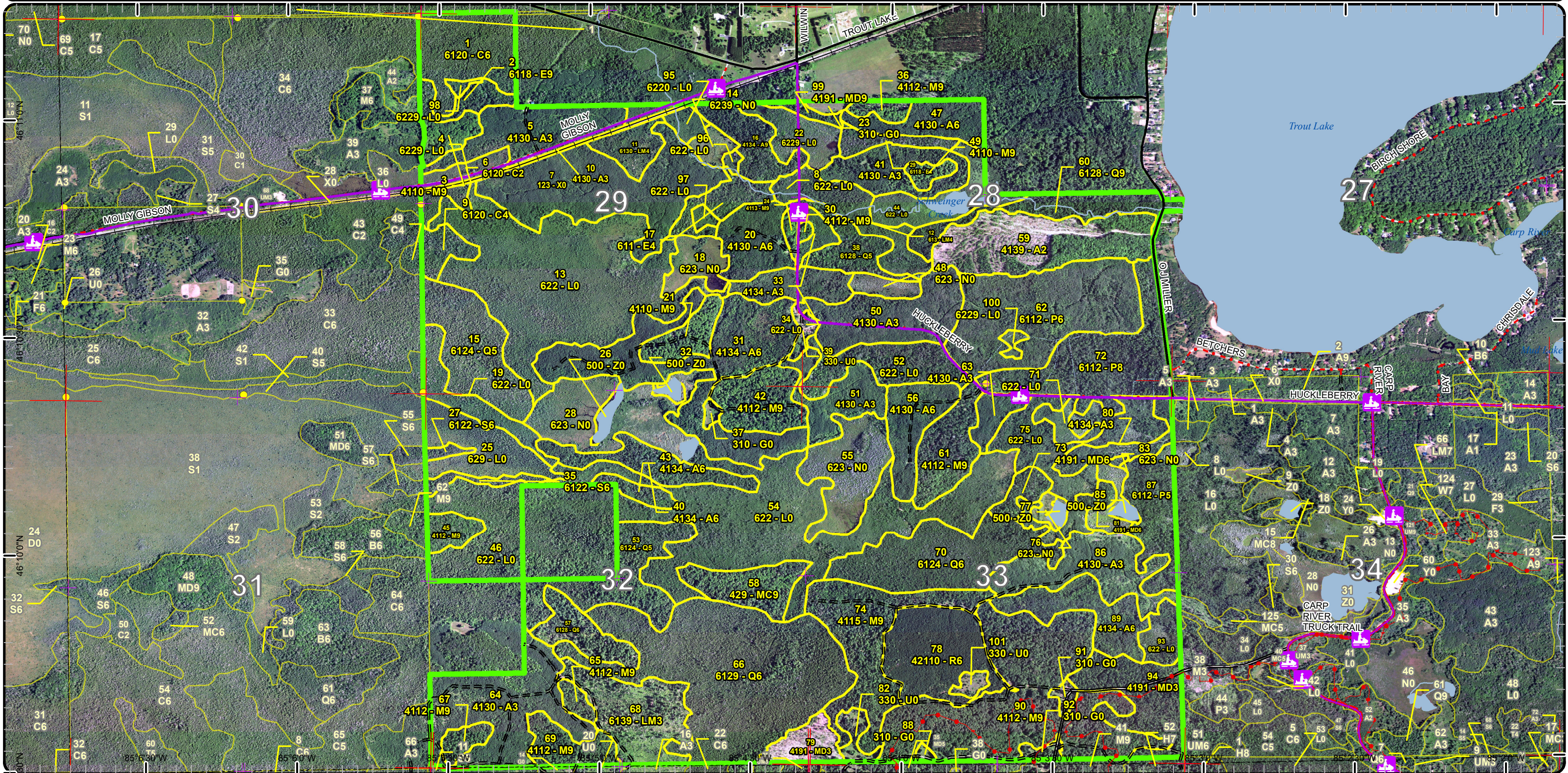


Stand Boundary Map

Compartment: 110
 T44N, R06W, Sec: 29, 28, 32, 33
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: St. Ignace Lake Plain
 YOE: 2024
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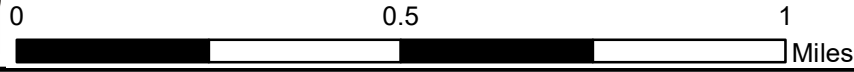


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- Counties
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- Designated Snowmobile Trails
- Drain
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 613 - Lowland Mixed Forest
- 123 - Other High Intensity Urban
- 310 - Herbaceous Openland
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- 411 - Northern Hardwood
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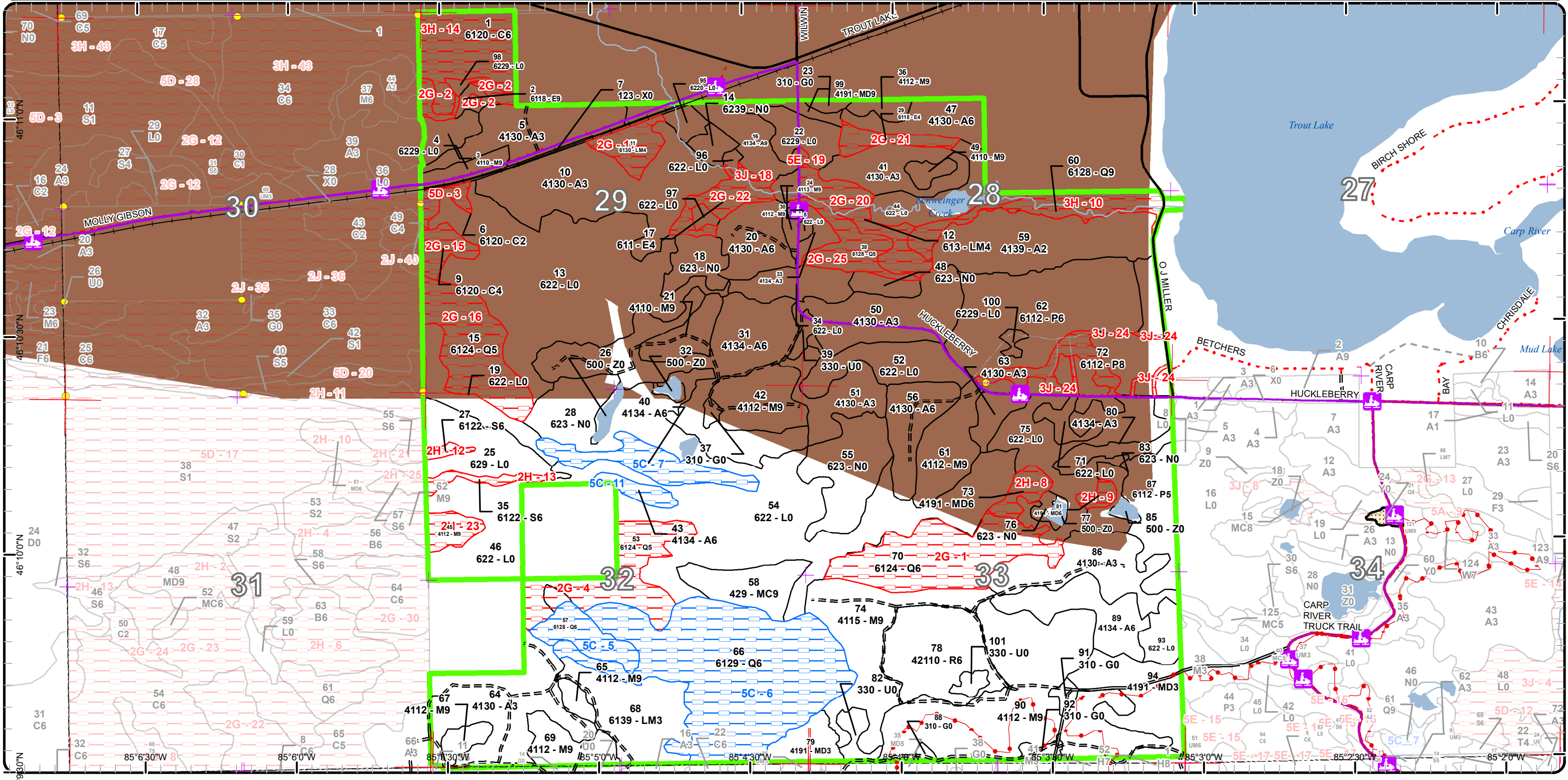


Special Conservation Areas

Compartment: 110
 T44N, R06W, Sec: 29, 28, 32, 33
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: St. Ignace Lake Plain
 YOE: 2024
 Acres: 2093.9 GIS Calculated
 Examiner: Cody Flatt
 Map Revised: 2/6/2023
 Map Phase: Post-Review



- Miris Corners
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- Counties
- DNR - Primary Forest Road
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- ORV License & Trail Permit
- ==== Designated ORV Route
- Designated Snowmobile Trails
- Drain
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Deer Winter Range
- Sand or Gravel Pit



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	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Cedar	0	0	0	0	0	0	0	0	42	0	147	0	0	0	0	0	180	0	369
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	257	0	0	0	0	256
Lowland Conifers	0	0	0	0	0	0	0	0	92	87	0	2	0	0	0	0	0	0	181
Lowland Shrub	271	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	271
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	26	0	14	0	0	0	0	0	0	0	39
Marsh	121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121
Northern Hardwood	0	0	0	0	0	0	0	0	0	73	0	0	0	0	0	0	0	0	73
Red Pine	0	58	58	0	0	0	0	0	0	139	0	0	0	0	0	0	0	0	254
Treed Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Upland Conifers	0	0	0	0	127	0	0	0	0	70	14	73	0	0	0	0	0	0	284
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	28
Water	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Total	418	79	58	0	127	0	0	0	160	369	175	103	0	0	257	0	180	0	1923



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2024

Acres of Harvest

Compartment 116
Total Compartment Acres: 1,925

Commercial Harvest - 351
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
Hemlock	0	0	0	0	50	0	0	0	0	50
Lowland Conifers	64	0	0	0	0	0	0	0	0	64
Lowland Spruce/Fir	26	0	0	0	0	0	0	0	0	26
Red Pine	119	0	0	0	0	10	0	0	0	129
Upland Conifers	0	0	0	0	56	0	0	0	0	56
Upland Mixed Forest	0	0	0	0	26	0	0	0	0	26
Total	210	0	0	0	132	10	0	0	0	351

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	351	0	0	0	0	0	181	0	0	532
Next Step	0	119	119	0	119	297	580	0	0	1235
Total	351	119	119	0	119	297	761	0	0	1767



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

49	45104049-Cut	20.8	42110 - Planted Red Pine	Sawtimber Well	86	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand to 110 BA. Focus on larger diameter trees that are approaching oversized. Leave species diversity where present.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2019

1	45116001-Cut	10.5	429 - Mixed Upland Conifers	Sawtimber Well	96	111-140	Harvest	Shelterwood with Retention	4312 - Hemlock, Mixed Deciduous	Two-Aged	No
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Prescription Mark stand down to a residual of 40-60 BA. In areas of denser hemlock and white pine, leave residual on the higher side of the range. In areas containing lower quality hardwoods and conifers, leave residual on the lower end of the range. Preferred residual species are hemlock, white pine, and yellow birch. Any large patches of advanced regeneration should be protected by creating retention patches around these areas. Also retain any overly wet areas. Leave any and all oak. Treatment size may vary. A 100' RMZ is required along the stream within the stand per the fisheries biologist's recommendations. No aspen is to be cut within this area. Summer cut only to achieve scarification for hemlock regeneration.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Hemlock, white pine, yellow birch, red maple, white spruce, cedar.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 9 /14/2022

2	45116002-Cut	3.7	429 - Mixed Upland Conifers	Sawtimber Well	96	111-140	Harvest	Shelterwood with Retention	4312 - Hemlock, Mixed Deciduous	Two-Aged	No
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Prescription Mark stand down to a residual of 40-60 BA. In areas of denser hemlock and white pine, leave residual on the higher side of the range. In areas containing lower quality hardwoods and conifers, leave residual on the lower end of the range. Preferred residual species are hemlock, white pine, and yellow birch. Any large patches of advanced regeneration should be protected by retaining surrounding trees to prevent damage from harvesting operations. Leave any and all oak. No additional retention besides residual trees left due to small size. Treatment size may vary. A 100' RMZ is required along the stream within the stand per the fisheries biologist's recommendations. No aspen is to be cut within this area. Summer cut only to achieve scarification for hemlock regeneration.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Hemlock, white pine, yellow birch, red maple, white spruce, cedar.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 9 /14/2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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5	45116005.2_Cut	25.8	4319 - Mixed Upland Forest	Sawtimber Well	109	81-110	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Two-Aged	No
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Prescription This treatment had a minor post compartment review change that is captured in the other comments below. Original prescription "Cut to a residual basal area of about 30. Don't cut any hemlock or yellow birch. Mark red maple and white pine to act as seed source"

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Moderate to fully stocked hemlock, birch, red maple, fir, spruce, and white pine.

Other Comment: Out of year of entry harvest. Cut along with stand 68 in compartment 119. Update to prescription: " WLD and FRD have agreed to allow the harvesting of Hemlock in this stand. In areas of dense hemlock a residual of 50 BA will be retained while 30 will still be the target in other areas. BA will be left higher along the wetland edges in the north end of the stand acting as a wildlife corridor. Scarification through normal logging operations should be encouraged."

Site Condition

Proposed Start Date: 10/1 /2021

11	45116011-Cut	49.5	42350 - Upland Hemlock	Sawtimber Well	138	111-140	Harvest	Shelterwood with Retention	4312 - Hemlock, Mixed Deciduous	Two-Aged	No
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Prescription Mark stand down to a residual of 40-60 BA. In areas of denser hemlock and white pine, leave residual on the higher side of the range. In areas containing lower quality hardwoods and conifers, leave residual on the lower end of the range. Preferred residual species are hemlock, white pine, and yellow birch. Any large patches of advanced regeneration should be protected by creating retention patches around these areas. Also retain any overly wet areas, specifically any vernal pools. Leave any and all oak. Treatment size may vary. Summer cut only to achieve scarification for hemlock regeneration.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Hemlock, white pine, yellow birch, red maple, white spruce, cedar.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2023

17	45116017-Monitor	6.4	6229 - Mixed lowland shrub	Nonstocked		Immature	Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	No
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Prescription Follow-up treatment with a regeneration survey as per the work instructions.
Specs:

Next Step
Treatments:

Acceptable Regen: Black spruce, white spruce, cedar, tamarack, balsam fir, white pine, red maple, paper birch, yellow birch, black cherry.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2031



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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18	45116018-Cut	42.0	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Well	105	111-140	Harvest	Shelterwood with Retention	4312 - Hemlock, Mixed Deciduous	Two-Aged	No
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Prescription Mark stand down to a residual of 40-60 BA. In areas of denser hemlock and white pine, leave residual on the higher side of the range. In areas containing lower quality hardwoods and conifers, leave residual on the lower end of the range. Preferred residual species are hemlock, white pine, and yellow birch. Any large patches of advanced regeneration should be protected by creating retention patches around these areas. Also retain any overly wet areas. Specifically, keep treatment line south of any vernal pools in north part of the stand. Leave any and all oak. Treatment size may vary. Summer cut only to achieve scarification for hemlock regeneration.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Hemlock, white pine, yellow birch, red maple, white spruce, cedar.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

25	45116025-Monitor	34.0	6229 - Mixed lowland shrub	Nonstocked		Unspecified	Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	No
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Prescription Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.

Next Step

Treatments:

Acceptable Maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2031

26	45116026-Monitor	9.4	622 - Lowland Shrub	Nonstocked		Unspecified	Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	No
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Prescription Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.

Next Step

Treatments:

Acceptable Maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2031



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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
30 45116030-Monitor	32.1	6229 - Mixed lowland shrub	Nonstocked		Unspecified	Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2031</p>										
33 45116033-Monitor	13.0	6229 - Mixed lowland shrub	Nonstocked		Unspecified	Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2031</p>										
45 45116045-Cut	63.9	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	88	111-140	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Cut all deciduous over 2" DBH and all conifers over 4" DBH. Leave some large diameter, healthy white pines throughout treatment area.</p> <p><u>Specs:</u> Retain multiple small patches throughout treatment area to meet retention guidelines. Treatment area may vary due to wet and/or open areas.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Black spruce, white pine, cedar, tamarack, jack pine, red maple, paper birch.</p> <p><u>Other Comment:</u> Access is the biggest limiting factor for this treatment. NW may not be able to be cut.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										



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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
51	45116051-Cut	26.3	6122 - Black Spruce	Poletimber Well	78	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Two-Aged	No
<p><u>Prescription Specs:</u> Cut all deciduous trees over 2" DBH and all conifers over 4" DBH. Leave all white pine over 18" DBH. Exclude any open bog or extremely wet areas. Also retain any patches of immature spruce. Treatment size may vary after layout.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Black spruce, white pine, balsam, jack pine, paper birch.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
61	45116061-Monitor	58.2	42110 - Planted Red Pine	Sapling Well	9	Immature	Monitoring	Forest Health	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription Specs:</u> Monitor for RHPS and vegetative competition. If monitoring shows that treatment is recommended, then spray when/if necessary with appropriate insecticide/herbicide recommended by Forest Health Specialist/TMS.</p> <p><u>Next Step Treatments:</u> Pesticide, Aerial - Release</p> <p><u>Acceptable Regen:</u> Red Pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
62	45116062-Cut	50.7	42110 - Planted Red Pine	Sawtimber Well	86	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription Specs:</u> Clear cut stand, harvesting all trees down to 1" DBH. Interior standing trees limit aerial spraying operations. Retention should be 150' along Ozark Creek in southern part of the stand per fisheries biologists instructions.</p> <p><u>Next Step Treatments:</u> Burn, Slash; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Aerial - Release; Monitoring, Herbicide Use</p> <p><u>Acceptable Regen:</u> Red Pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
64	45116064-Cut	68.7	42110 - Planted Red Pine	Sawtimber Well	86	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Two-Aged	No
<p><u>Prescription Specs:</u> Clear cut stand, harvesting all trees down to 1" DBH. Interior standing trees limit aerial spraying operations. Retention should be along edges where it does not interfere with spraying operations in adjacent stands.</p> <p><u>Next Step Treatments:</u> Burn, Slash; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Aerial - Release; Monitoring, Herbicide Use</p> <p><u>Acceptable Regen:</u> Planted red pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</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
66 45116066-Monitor	27.7	6229 - Mixed lowland shrub	Nonstocked		Immature	Monitoring	Natural Regen (Re-Inventory)	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Follow-up treatment with a regeneration survey as per the work instructions.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Black spruce, white spruce, cedar, tamarack, balsam fir, white pine, red maple, paper birch, yellow birch, black cherry.</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> 10/1 /2031</p>										
75 45116075-Cut	9.9	42110 - Planted Red Pine	Sawtimber Well	86	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand to 110 BA. Focus on larger diameter trees that are approaching oversized. Leave species diversity where present.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></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> 10/1 /2023</p>										

Total Treatment 552.6
Acreage Proposed:

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Nate Plato : Examiner

Compartment: 116

Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		5C	2G	2H	3A	3J	5E	
21	21	0	0	Aspen							
369	143	0	226	Cedar		219		7			
257	251	0	6	Hemlock				6			
181	159	19	3	Lowland Conifers	19						3
271	258	0	13	Lowland Shrub				13			
39	26	0	13	Lowland Spruce/Fir			13				
121	103	0	18	Marsh				18			
73	73	0	0	Northern Hardwood							
254	252	0	3	Red Pine						3	
12	12	0	0	Treed Bog							
285	254	31	1	Upland Conifers	31			1			
28	28	0	0	Upland Mixed Forest							
13	13	0	0	Water							
1,925	1,593	50	282	Total Forested Acres	50	219	13	44	3		3
	83%	3%	15%	Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Second age class has not reached desired diameters yet.							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	178	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

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Year of Entry: 2024

3	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Very wet stand							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stream buffer							
7	Unavailable	3A: Conservation Values incompatible with harvest at this time	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA							
8	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Maintain as long term retention							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

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Year of Entry: 2024

9	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Leave until adjacent stands regenerate.							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	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	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
1	429 - Mixed Upland Conifers	Sawtimber Well	10.6	96	111-140	N/A	This is a hemlock, yellow birch stand that has scattered white pine and red maple. More upland than adjacent stand.																																																		
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2	429 - Mixed Upland Conifers	Sawtimber Well	3.8	96	111-140	N/A	Yellow birch and hemlock stand that continues into the adjacent compartment. Red maple and white pine also present. More upland than adjacent hemlock stand.																																																		
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3	623 - Emergent Wetland	Nonstocked	1.7			No																																																			
4	6229 - Mixed lowland shrub	Nonstocked	1.8			No																																																			
5	4319 - Mixed Upland Forest	Sawtimber Well	27.8	109	81-110	N/A	This is a hemlock and red maple stand which continues into the compartment to the west.																																																		
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6	42350 - Upland Hemlock	Sawtimber Well	182.2	134	111-140	N/A	This is a large hemlock stand with a lot of white pine mixed in. Some areas of the stand are heavy to white pine while most of it is hemlock with a few large white pine mixed in. There is a steep ridge along the south end of the stand. Patches of low ground containing lowland conifer mixed in.																																																		
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7	623 - Emergent Wetland	Nonstocked	1.9		Immature	No																																																			



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8	623 - Emergent Wetland	Nonstocked	6.8		Unspecified	No																																														
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10	623 - Emergent Wetland	Nonstocked	1.5		Unspecified	No																																														
11	42350 - Upland Hemlock	Sawtimber Well	74.3	138	111-140	N/A	Almost a pure hemlock stand. Big range in diameters but mostly logs. Lots of good hemlock regeneration. There was a shelterwood done in this stand that left the hemlock and white pine and removed everything else. Hemlock needs to be opened up since existing regen is only in places where non hemlock species were harvested last time.																																													
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12	4115 - Y.Birch, Hemlock NH	Sawtimber Medium	72.8	88	1-50	N/A	Stand was shelterwooded in 1997 as part of the timber sale 4X1 Shelterwood. Regeneration is doing great. Very dense																																													
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13	622 - Lowland Shrub	Nonstocked	13.3		Unspecified	No	Part of ERA.																																													
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16	4130 - Aspen	Sapling Medium	21.2	8	Immature	N/A	Cut in 2015. Aspen coming nicely in spots. Less regen near residual trees left. South part of stand was also cut at the same time as an opening maintenance, but regenerated into a forested stand, so now will be all managed as one stand.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17 6229 - Mixed lowland shrub Nonstocked 6.5 Immature 6128 - Lowland Coniferous, Mixed Deciduous Stand was cut in 2015. Rabbit Pine 45-113-14-01. Residual left after cut includes species indicated. Also large diameter white pine scattered across stand. Regeneration is not at adequate levels yet, so stand should be checked again next entry.

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Maple (spp.)	Medium	Variable	Sapling
Paper Birch	Medium	Variable	Sapling
White Spruce	Low	Variable	Sapling
White Pine	Low	< 5 feet	Sapling
White Pine	Low	Variable	Log
Aspen (spp.)	Medium	10 - 20 feet	Sapling

18 42390 - Mixed Non-Pine Upland Conifers Sawtimber Well 42.5 105 111-140 N/A Saw size hemlock stand with a fair amount of white pine that is larger than the hemlock. Lots of nice hemlock regeneration present in patches. This stand was strip cut back in 1984 and the strips are now barely noticeable.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Log	8	
Northern White Cedar	15	Pole	6	
White Pine	20	XLog	18	
Hemlock	45	Log	12	105
Yellow Birch	10	Log	11	

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

19 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 57.5 73 51-80 N/A Variable, wet stand. Frequent spots of tag alder. Mixed swamp conifer. Patches of decent timber present, but majority of stand is wet and small with poor stocking.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Sapling/Pole	4	
Black Spruce	40	Pole	6	73
Tamarack	19	Pole/Sapling	5	
Paper Birch	2	Pole	7	
White Pine	2	Log/Pole	12	
Red Maple	2	Pole/Sapling	5	
Northern White Cedar	30	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Conifers	Low	10 - 20 feet	Sapling
Tag Alder	Medium	5 - 10 feet	Tall Shrub

21 623 - Emergent Wetland Nonstocked 2.2 Unspecified No

22 429 - Mixed Upland Conifers Sawtimber Well 30.8 109 81-110 N/A Nice hemlock and white pine stand that has a component of smaller cedar in the south east part of the stand. Hardwood species mixed in throughout stand. Wet in spots. Variable BA. White pine and hemlock are mature, but stand needs another 10 years for other species to reach bigger size classes.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	15	Pole	6	
White Pine	40	Log/Pole	10	109
Hemlock	25	Log/Pole	11	
Red Maple	10	Pole	6	
Yellow Birch	10	Log	16	

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
23	6120 - Lowland Cedar	Poletimber Well	146.7	99	81-110	N/A	This is a cedar stand which is a bit drier than the cedar stand to the north. This stand consists of white pine, tamarack and black spruce over top of a dense cedar canopy. Patchy in spots. Open spots contain alder. Some large white pine scattered throughout stand. Multiple age classes of cedar present. Better cedar to west. Some hemlock mixed in from adjacent stand.																																																									
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24	429 - Mixed Upland Conifers	Poletimber Well	70.2	84	51-80	N/A	This stand was clear cut 22 years ago and the white pine was left. The stand is now a white pine stand with a fair amount of white pine regeneration. Spruce, fir, aspen, and red maple starting to fill in underneath nicely. Small pole size overall on regen. Small alder inclusions present. Wet on east side of stand. Look at harvesting the non pine trees in 10-20 years.																																																									
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25	6229 - Mixed lowland shrub	Nonstocked	34.0		Unspecified	6128 - Lowland Coniferous, Mixed Deciduous	Dead End Strips (completed in 2010). Red maple, paper birch, spruce and tamarack starting fill in. Maple is most dominant so far. Some residual jack and white pine large saplings. Some very wet spots that haven't regenerated much. Mostly alder in these spots. Regeneration is not at adequate levels yet, so stand should be checked again next entry.																																																									
26	622 - Lowland Shrub	Nonstocked	9.4		Unspecified	6128 - Lowland Coniferous, Mixed Deciduous	Dead End Strips (completed in 2010). Red maple, paper birch, spruce and tamarack starting fill in. Maple is most dominant so far. Some residual jack and white pine large saplings. Some very wet spots that haven't regenerated much. Mostly alder in these spots. Regeneration is not at adequate levels yet, so stand should be checked again next entry.																																																									
27	6229 - Mixed lowland shrub	Nonstocked	5.3			Managed Opening	Some lowland conifer regenerating. Very sparse overall. Wet.																																																									
28	6239 - Mixed Emergent Wetland	Nonstocked	1.5			No																																																										



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29	429 - Mixed Upland Conifers	Poletimber Well	127.0	39	81-110	N/A	These strips were cut 28 years ago and the regeneration is doing extremely well. It is unbelievable how much white pine is regenerating in this stand. The regen is very thick with most of it being white pine or spruce but there are some scattered hardwoods and tamarack. You can also find some large white pine scattered throughout the stand. Same as last inventory. All species at or approaching pole timber size. Very dense throughout most of stand. West part of stand is more black spruce and less dense.																																														
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30	6229 - Mixed lowland shrub	Nonstocked	32.1		Unspecified	6128 - Lowland Coniferous, Mixed Deciduous	Dead End Strips (completed in 2010). Red maple, paper birch, spruce and tamarack starting fill in. Maple is most dominant so far. Some residual jack and white pine large saplings. Some very wet spots that haven't regenerated much. Mostly alder in these spots. Regeneration is not at adequate levels yet, so stand should be checked again next entry.																																														
31	6127 - Lowland Pine	Poletimber Medium	2.4	102	81-110	N/A	White pine and black spruce stand. Most of the white pine is log size or sapling size with a few scattered pole size white pine. Wet ground with leatherleaf and some tag alder. Variable density throughout stand. Poor quality black spruce. Some die off.																																														
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32	6120 - Lowland Cedar	Poletimber Well	180.3	167	51-80	N/A	Part of a large cedar stand that continues into the compartment to the North. Variable stand with other lowland conifer mixed in. Many thin areas with tag alder underneath. Poor quality. Very wet.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
34	6120 - Lowland Cedar	Sapling Well	40.4	76	81-110	N/A	Lowland mixed conifer stand that is very wet. Poor site. Tag alder in gaps.																																					
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35	622 - Lowland Shrub	Nonstocked	13.4		Unspecified	No																																						
37	622 - Lowland Shrub	Nonstocked	41.7			No																																						
38	6229 - Mixed lowland shrub	Nonstocked	30.9		Immature	No	Mix of poorly stocked pole size swamp conifer. Some lowland deciduous present. Dense understory in spots. Frequent tag alder. Wet stand. Patchy.																																					
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39	500 - Water	Nonstocked	1.0		Unspecified	No																																						
40	623 - Emergent Wetland	Nonstocked	19.0		Unspecified	No																																						
41	622 - Lowland Shrub	Nonstocked	19.3			No																																						
42	6122 - Black Spruce	Poletimber Well	2.8	97	81-110	N/A	Inaccessible spruce/pine stand. Nice spruce. Stand on small ridge in middle of bog.																																					
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43	500 - Water	Nonstocked	2.4		Unspecified	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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45	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	86.6	88	111-140	N/A	Variable, mixed lowland conifer stand with lots of black spruce with white pine and jack pine scattered throughout the stand. Some of the white pine is very large in diameter. There is a lowland area located within the stand in the north end. Patchy in spots. Most of stand can be cut this entry where access allows. Access is very limited due to surrounding wetlands.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Northern White Cedar		10	Pole	6		Maple (spp.)		
White Pine		10	Log/Pole	12		Conifers		
Jack Pine		10	Pole	8		Density		
Tamarack		10	Pole	7		Avg. Height		
Red Maple		10	Pole	8		Size		
Paper Birch		5	Pole	7				
Balsam Fir		5	Pole	7				
Black Spruce		40	Pole	7	88			

46	6224 - Treed Bog	Nonstocked	12.1			No	Bog with clumps of swamp conifer spp present.
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47	6122 - Black Spruce	Poletimber Well	3.9	97	81-110	N/A	Inaccessible spruce stand in the middle of a wetland.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		15	Pole	7		Conifers	
White Pine		15	Pole	8		Density	
Black Spruce		70	Pole/Sapling	6	97	Avg. Height	
						Size	

48	623 - Emergent Wetland	Nonstocked	55.0		Unspecified	No	
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49	500 - Water	Nonstocked	3.1		Unspecified	No	
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50	6122 - Black Spruce	Poletimber Well	3.8	98	81-110	N/A	Inaccessible pole size spruce stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		5	Pole	6		Conifers	
Black Spruce		95	Pole	6	98	Density	
						Avg. Height	
						Size	

51	6122 - Black Spruce	Poletimber Well	26.3	78	81-110	N/A	Lowland conifer stand that is mostly black spruce and jack pine. Some scattered white pine. Lots of leatherleaf covers the ground. Stand varies from areas of poles to areas of saplings. Northwest part of stand has much larger diameters. Also variable densities. Finger ridges running through north part of stand. . Same spp present. Open bog inclusions present throughout stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Spruce		5	Log/Pole	10		Conifers		
Paper Birch		8	Pole	6		Density		
Balsam Fir		8	Pole	6		Avg. Height		
Black Spruce		52	Pole	7	78	Size		
Jack Pine		15	Pole	7				
Tamarack		2	Pole	6				
White Pine		10	Log/Pole	10				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
52	500 - Water	Nonstocked	1.5			No																																		
53	622 - Lowland Shrub	Nonstocked	6.4		Unspecified	No																																		
54	6229 - Mixed lowland shrub	Nonstocked	4.6			No	Bog. some jack pine and black spruce present.																																	
55	6122 - Black Spruce	Poletimber Medium	2.6	95	81-110	N/A	Inaccessible spruce stand in the middle of a wetland. Tag alder is growing in the canopy gaps. Poor quality trees. Some die off.																																	
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56	623 - Emergent Wetland	Nonstocked	4.3		Unspecified	No																																		
57	6239 - Mixed Emergent Wetland	Nonstocked	2.2		Immature	No	Wet bog. Some sapling size black spruce, jack pine and tamarack present.																																	
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58	500 - Water	Nonstocked	3.1		Unspecified	No																																		
59	623 - Emergent Wetland	Nonstocked	4.6		Unspecified	No																																		
60	6120 - Lowland Cedar	Poletimber Well	1.5	79	81-110	N/A	Small immature pole size cedar stand. The stand is very thick with cedar and has some tag alder growing in the open areas.																																	
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61	42110 - Planted Red Pine	Sapling Well	58.2	9	Immature	N/A	Stand has had 3rd year regen check done. Sparse areas were replanted in 2017. Monitor for release and disease. Golden Eagle #45-114-10. Original Planting in 2014. aerial Released in 2015 Rodeo. Skidder released in 2018. Rodeo 7 Garlon. Release spray effective. Doing well. Stand has filled out nicely. Some sparse areas that have filled in with red maple and birch, but overall fully stocked red stand.																																	
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62	42110 - Planted Red Pine	Sawtimber Well	53.2	86	81-110	N/A	Cut in 2015. Rabbit Pine 45-113-14-01. Quality red pine saw and utility poles. Some small gaps present throughout stand. Some have filled in with aspen and fir. CC this entry to avoid further competition from undesirable species.																													
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63	6229 - Mixed lowland shrub	Nonstocked	11.2		Immature	No	Drainage containing mostly tag alder. Some spruce and cedar, but much if has died.																													
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64	42110 - Planted Red Pine	Sawtimber Well	71.1	86	111-140	N/A	Thinned in 2015. Rabbit Pine 45-113-14-01. Nice log and utility pole stand. CC this entry.																													
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65	42110 - Planted Red Pine	Sapling Well	57.5	14	Immature	N/A	Planted in 2009, release sprayed in 2011. Stand doing very well. Release spray effective, minimal competition, except parts of southern part of stand. Some spots have filled in with maple/birch. Small failed patch in NW corner. Converted mostly to spruce/fir/paper birch. Also small wet area in se corner.																													
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66	6229 - Mixed lowland shrub	Nonstocked	27.7		Immature	6128 - Lowland Coniferous, Mixed Deciduous	Stand was cut in 2015. Rabbit Pine 45-113-14-01. Residual left after cut includes species indicated. Also large diameter white pine scattered across stand. Regeneration is not at adequate levels yet, so stand should be checked again next entry.																													
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75	42110 - Planted Red Pine	Sawtimber Well	14.2	86	111-140	N/A	Log size red pine plantation that was left as a buffer along the creek while Golden Eagle got clear cut. Sale #1131401 TCR date 12/14/15. Thin again if to be left as buffer, otherwise cc.																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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78 6124 - Lowland Spruce-Fir Poletimber Medium 34.9 73 51-80 N/A

Variable, mixed lowland conifer stand consisting of mostly black spruce and cedar. Poor quality, stunted trees throughout most of stand. Sparsely stocked in many spots, with frequent areas of tag alder. Wet stand. Area east of Carp River TT has better quality stems, but still small.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	7	Pole/Sapling	5		Conifers	Low	10 - 20 feet	Sapling
Red Maple	5	Pole/Sapling	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	10	Pole/Sapling	5					
Black Spruce	45	Pole	6	73				
Northern White Cedar	15	Pole	6					
White Pine	5	Log/Pole	12					
Jack Pine	3	Pole	6					
Paper Birch	10	Pole/Sapling	5					