



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45045

Entry Year 2019

Acreage: 2,422

County Chippewa

Management Area: Kinross Bog

Revision Date: 2017-07-27

Stand Examiner: Jeff Wise

Legal Description:

T45N R2W, Sec 2, 10, 11, 14, 15, 22, 23, 26

Identified Planning Goals:

Regular treatments have been conducted in this compartment but on a limited basis due to access. This YOE, treatments will include aspen regeneration harvests in the center of the comp in more easily accessible stands meeting silvicultural criteria. Others will get limiting factors until better access is gained. The south block has more black spruce and was treated last YOE. These treatments were designed to develop optimal age class distribution of aspen and black spruce stands for sustainability and to provide for biodiversity and wildlife benefits. Streams and wetlands will be buffered by at least 100-150 feet. The only other management will be to try to acquire an easement into the north block via Kinross Road into stand 29 and 19 to access the treatments to the north and for public access.

Soil and topography:

The north part has a small area of Pickford-Rudyard-Ontonogon association: Very deep, nearly level to very steep, poorly to well drained loamy soils on lake plains. The central part is Kalkaska-Rubicon association: Very deep nearly level to very steep, excessively drained, sandy soils on outwash plains and ground moraines. The south part and some areas to the north are Fibre-Allendale-Pickford association: Very deep, nearly level, poorly drained, mucky, sandy, and loamy soils on lake plains, ground moraines, and outwash plains.

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

Private land borders this compartment on the north, west, and south sides, with state land on the east. Private land along Thompson Road also splits the compartment in two. Approximately one third of the compartment is south of Thompson Road, while the remaining two thirds is to the north. Land use includes agriculture, residences, and hunting camps. There is a developed private gravel pit on the south side of the main block on Thompson Road and a small area of land bordering I-75. Private landowners on Kinross Road feed deer in winter

Unique Natural Features:

MNFI has been consulted and comments received regarding potential and documented T & E species.

Archeological, Historical, and Cultural Features:

None known at this time.

Special Management Designations or Considerations:

None at this time. No treatments will occur in low, wet, or drainage areas, or any cedar stands. Deer yard areas will be treated in winter.

Watershed and Fisheries Considerations:

Fisheries Values: Good. This compartment contains Hutton Creek which is a subwatershed of the Waishkey River. Hutton Creek is classified as a coldwater stream and is a designated trout stream. There are records showing that anglers have targeted trout in Hutton Creek. The creek should be buffered 300 feet to limit promotion of beaver activity on this coldwater stream. Justification is to eliminate the possibility of aspen regeneration near the stream. For YOE2019 stand 32 has a soft factor limit in place for access issues. In the event, access is granted to complete the proposed clear cut in stand 32 a 300 foot buffer should be placed along this branch of Hutton Creek.

Wildlife Habitat Considerations:

Compartment 45 is part of the Kinross Bog Management Area. Featured wildlife species include American bittern, black bear, beaver, and snowshoe hare. The area has several streams and small wetlands that are present both year-round and intermittently that provide habitat for wetland species including beaver. Treatments on the eastern side of the compartment

have and will encourage young early successional growth that will benefit snowshoe hare and beaver as well as ruffed grouse, woodcock, and other species. Part of the compartment is in deer wintering complex, and any treatments involving palatable species should be conducted during the winter months (Dec. 1 - Mar. 31) so tops are available as browse for wintering deer.

Mineral Resource and Development Concerns and/or Restrictions

Several sand/gravel pits are located along Thompson Rd, which appear to all be associated with the same geological feature or deposit that may be limited in extent. However, there may be potential for additional sand and gravel within the compartment. Glacial sediments seem to be predominantly sand and clay within the compartment with limited gravel. There is no current economic oil and gas production in the UP and there is no known metallic mineral potential in this region.

Vehicle Access:

On the north block, the east side can be accessed fairly easily from Kinross Road. although there are no roads into the compartment. Steep drainages and gullies prevent any real feasibility for actual road access. Possible easement may be granted from private land on the west side and would have road access from Bound Road. where an old logging road extends into the compartment. The south block has sufficient access for both public recreation and State management from Ploegstra and Thompson Roads.

Survey Needs:

Recreational Facilities and Opportunities:

No public or state roads, or recreation trails exist in the north block. Walk in only for hunting, the main activity here, where deer and grouse would be sought after. The only road in the south block is also a snowmobile trail, which is re-routed at times of high water table and wet areas.

Fire Protection:

Access is good to the south block and the south portion of the north block from Ploegstra, Kinross, and Thompson Roads, however, the west side of the north block access would have to be through the private logging road off Bound Road, or any other private land on Bound Rd. The east side would be carry in only or major tractor plow work off Kinross Road. Water sources are fairly close with many drainages, bogs, and marshes within the compartment. Garlinghouse Lake is also close by for filling engines.

Additional Compartment Information:

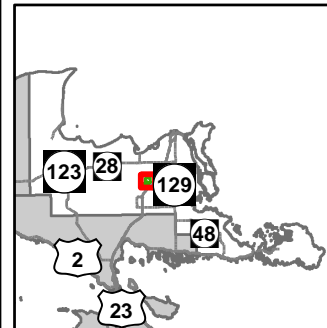
The following reports from the Inventory are attached:

- 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:

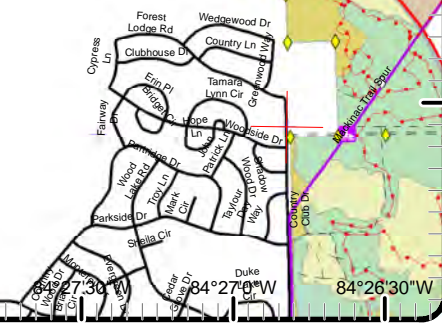
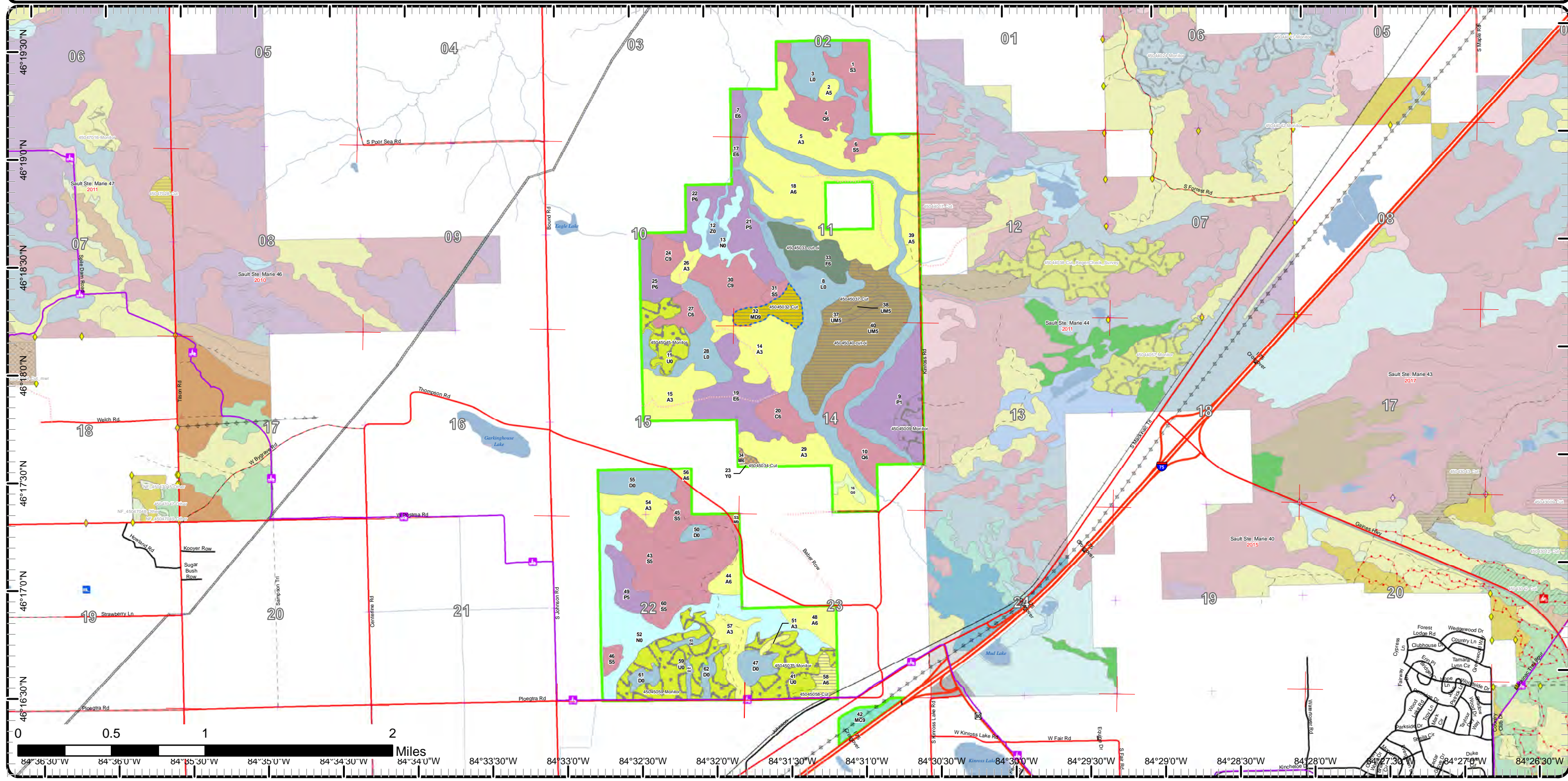
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

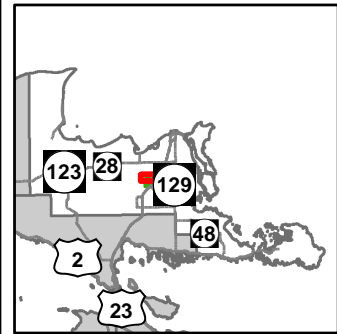


Compartment: 45
 T45N, R02W, Sec: 2, 10, 11, 14,
 15, 22, 23, 26
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: Kinross Bog
 YOE: 2019
 Acres: 2422.1 GIS Calculated
 Examiner: Jeff Wise
 Map Revised: 8/11/2017
 Map Phase: Review

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|--|--|---|
| <ul style="list-style-type: none"> — Miris Corners — Remonumented Section Corners ◆ Survey Grade GPS Corners --- Counties 🚙 Snowmobile Trails — Designated Snowmobile Trails — Highway — County Paved Roads — Paved Roads — County Gravel Roads — County Poor Dirt Roads — Poor Dirt Roads ⋯ Closed — Active Railroads | <ul style="list-style-type: none"> — Streams — Lakes and Rivers All — Pipeline — Powerline — Compartment Boundary — Treatments with Site Conditions — Selection (Group, Single Tree) — Clearcut (w/Reserves) — Regeneration Survey — 411 - Northern Hardwood — 413 - Aspen Types — 419 - Mixed Upland Deciduous — 423 - Other Upland Conifers — 429 - Mixed Upland Conifers — 430 - Upland Mixed Forest | <ul style="list-style-type: none"> 611 - Lowland Deciduous Forest 612 - Lowland Coniferous Forest 310 - Herbaceous Openland 330 - Low Density Trees 500 - Water 622 - Lowland Shrub 623 - Emergent Wetland 710 - Sand/Soil Lakes |
|--|--|---|

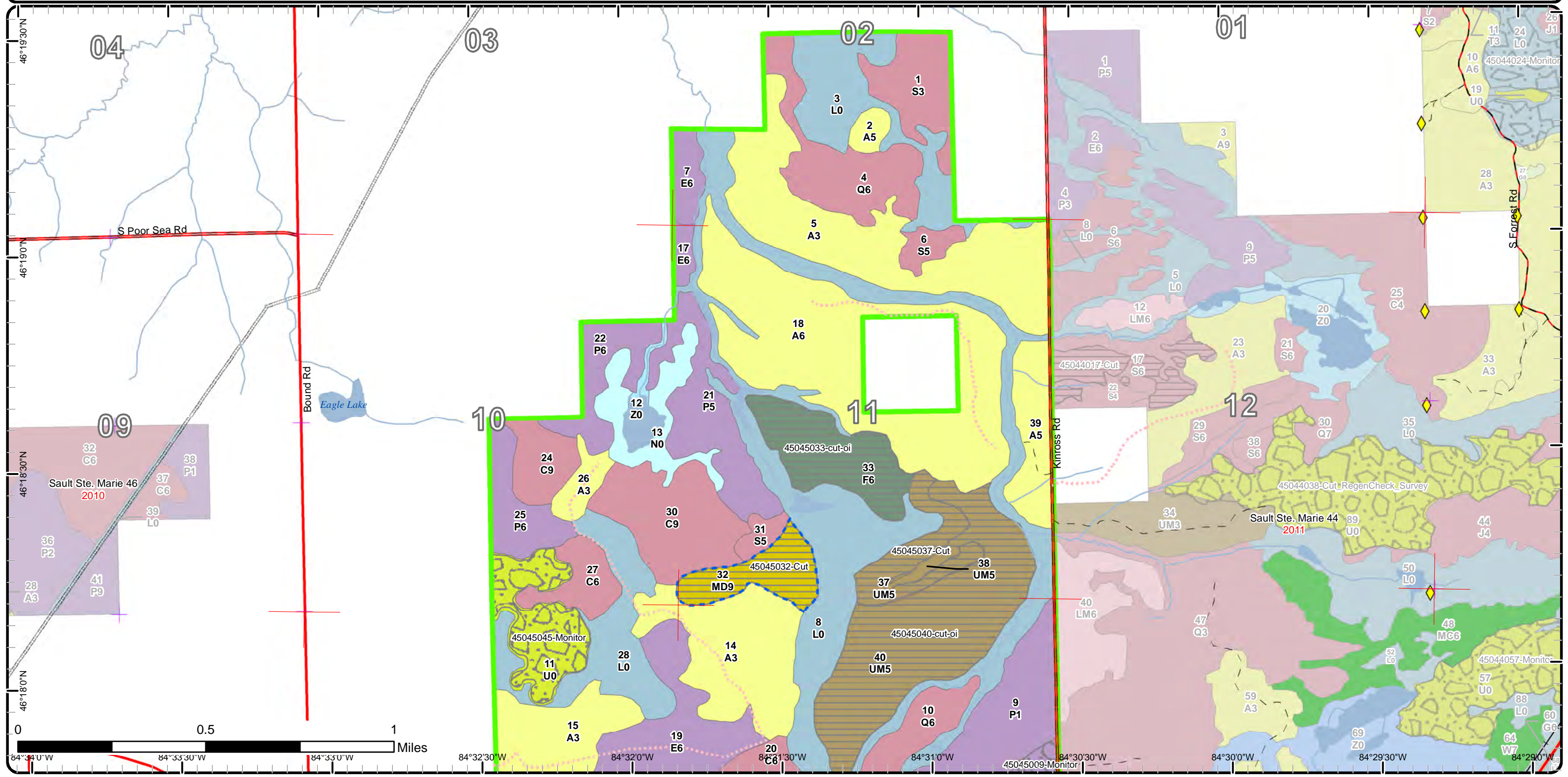


Cover Type & Treatments Map

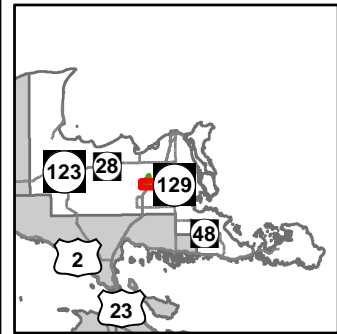


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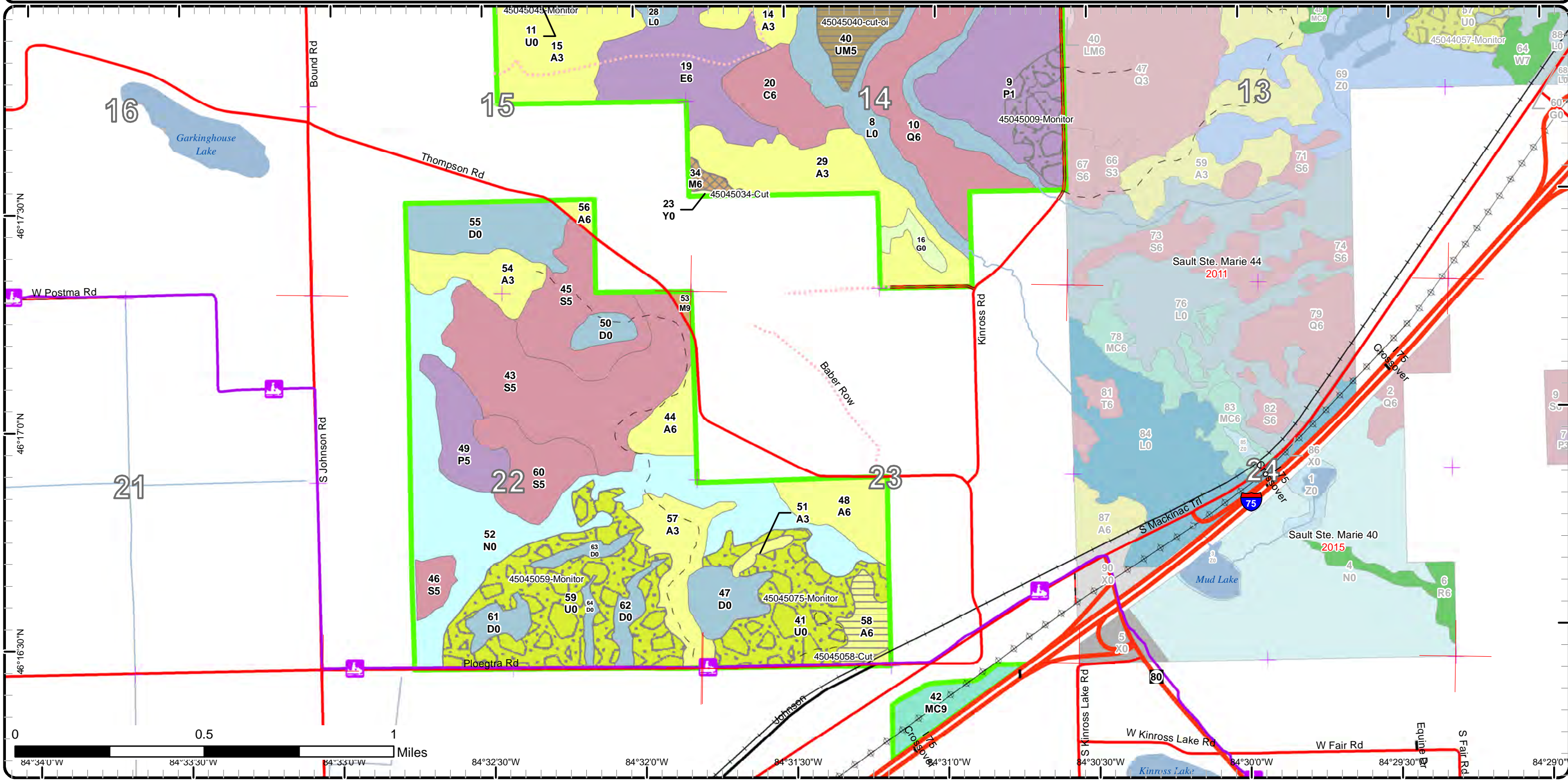


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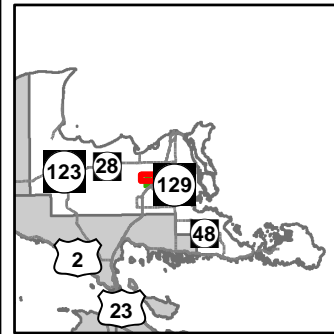
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- 710 - Sand/Soil
- Lakes

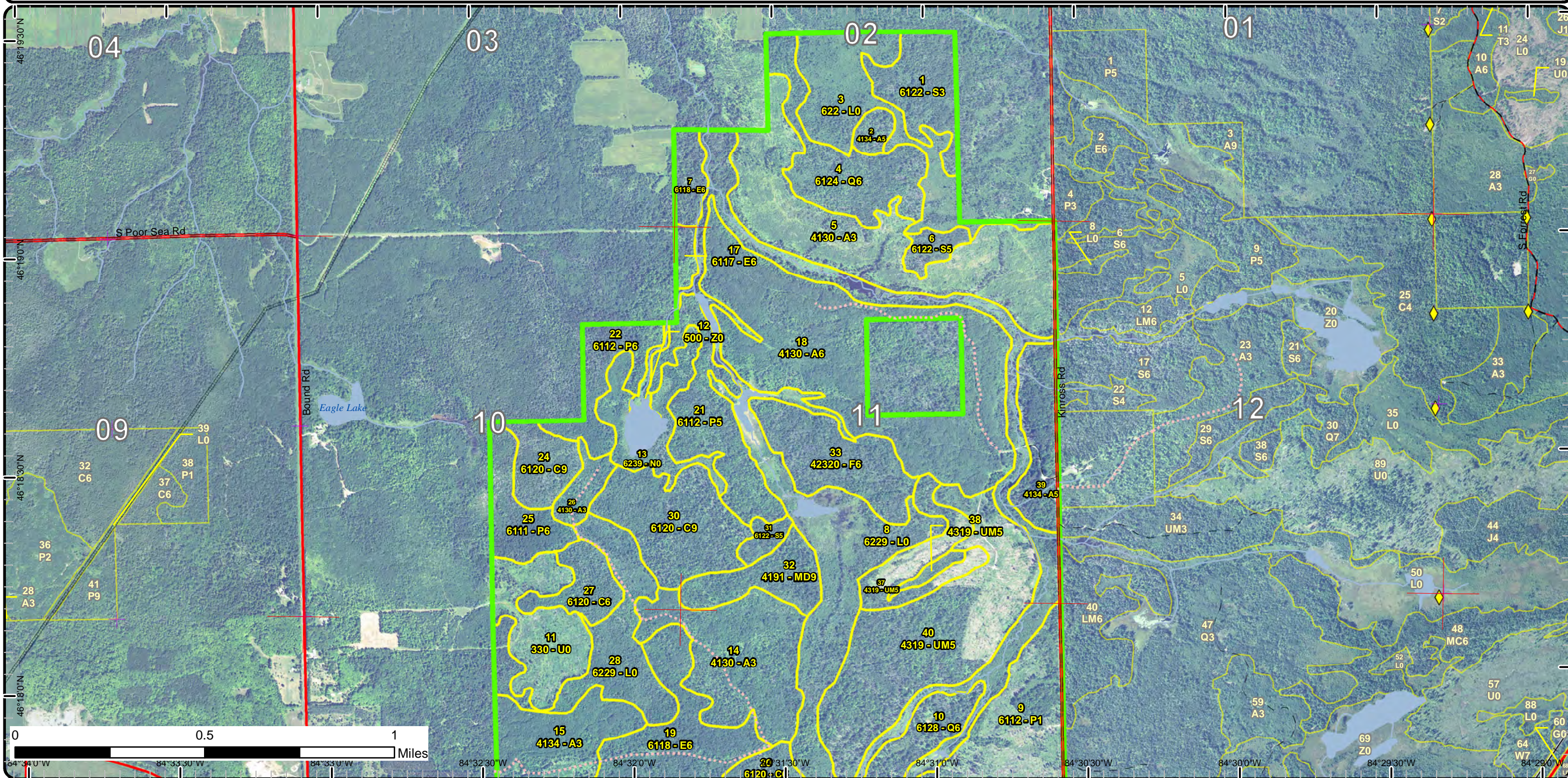


Stand Boundary Map

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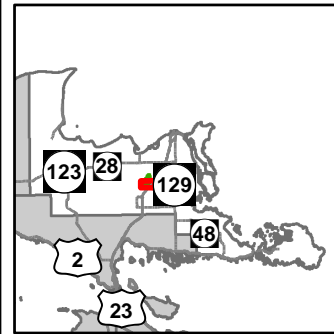


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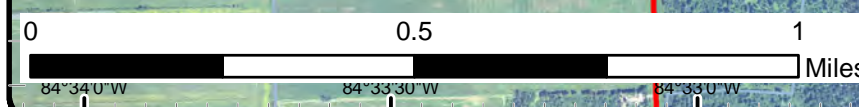
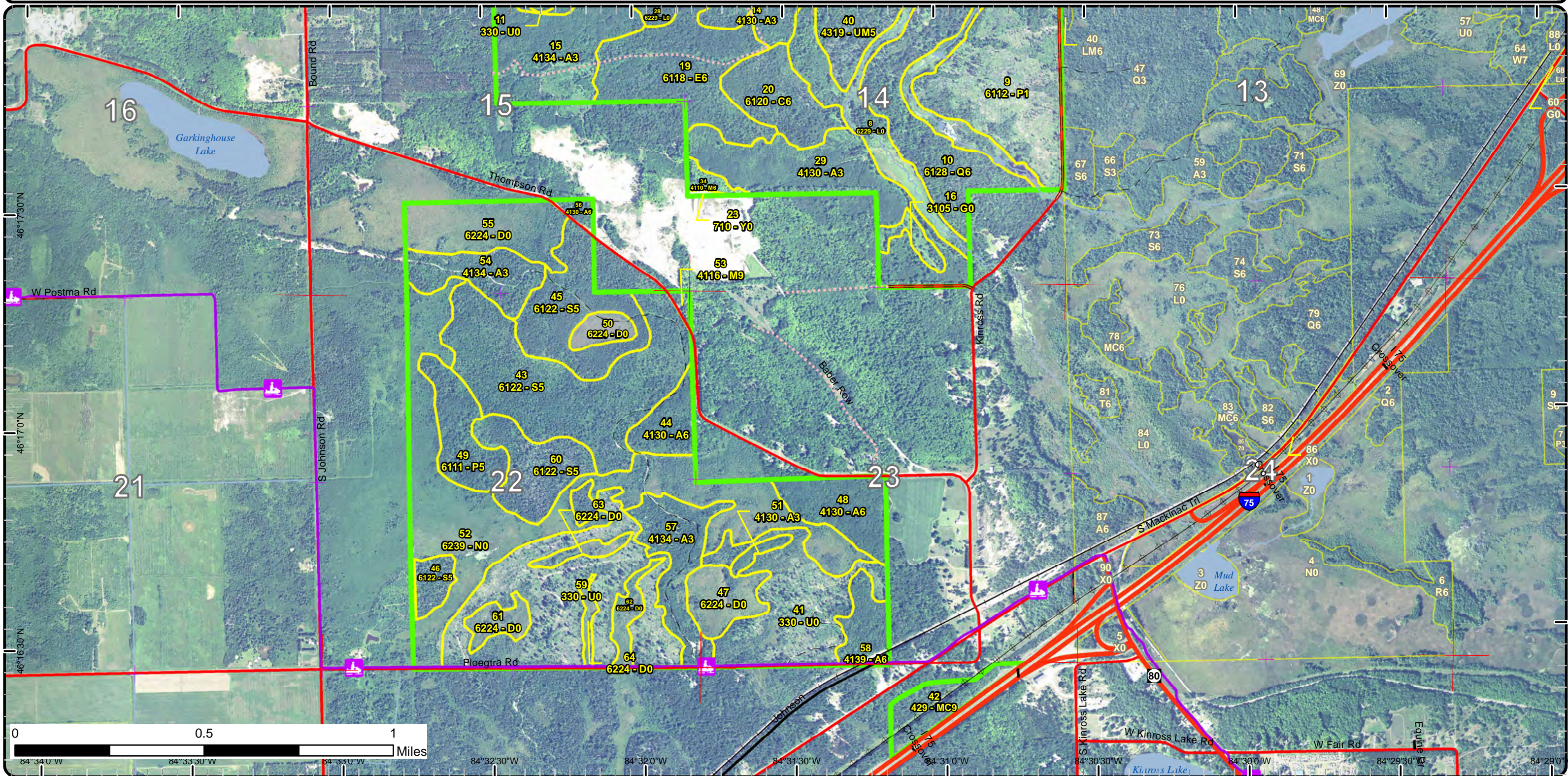


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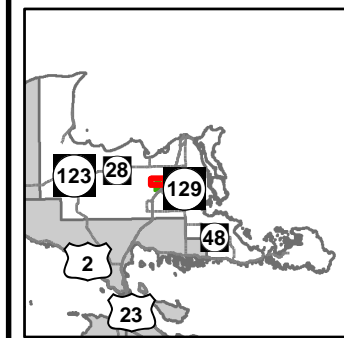


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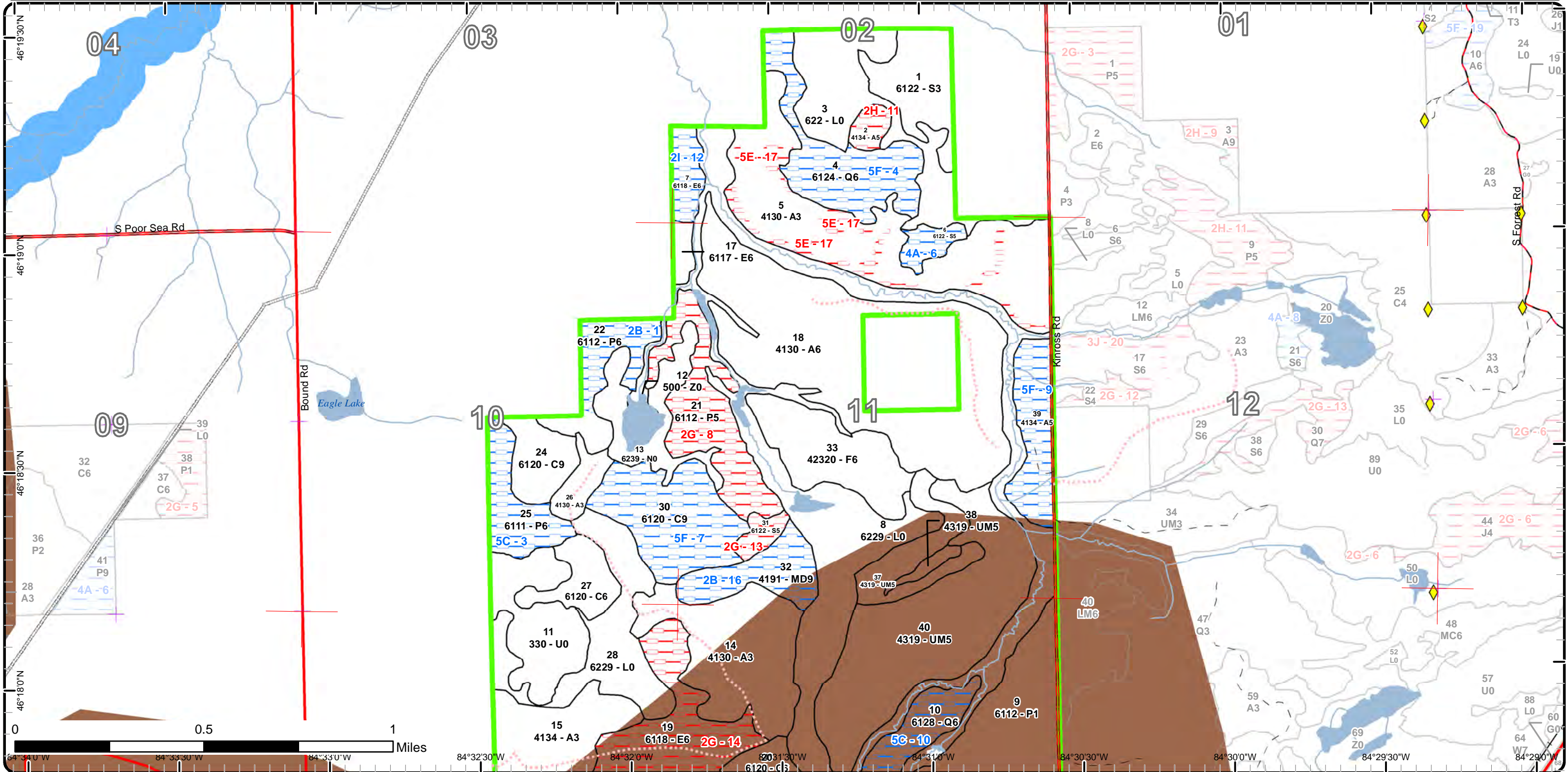


Special Conservation Areas & Site Conditions Map

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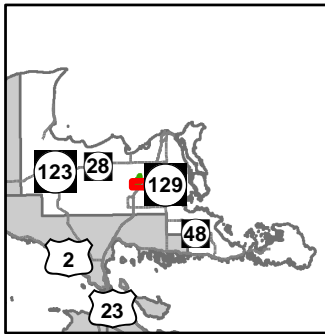


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- Pipeline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range

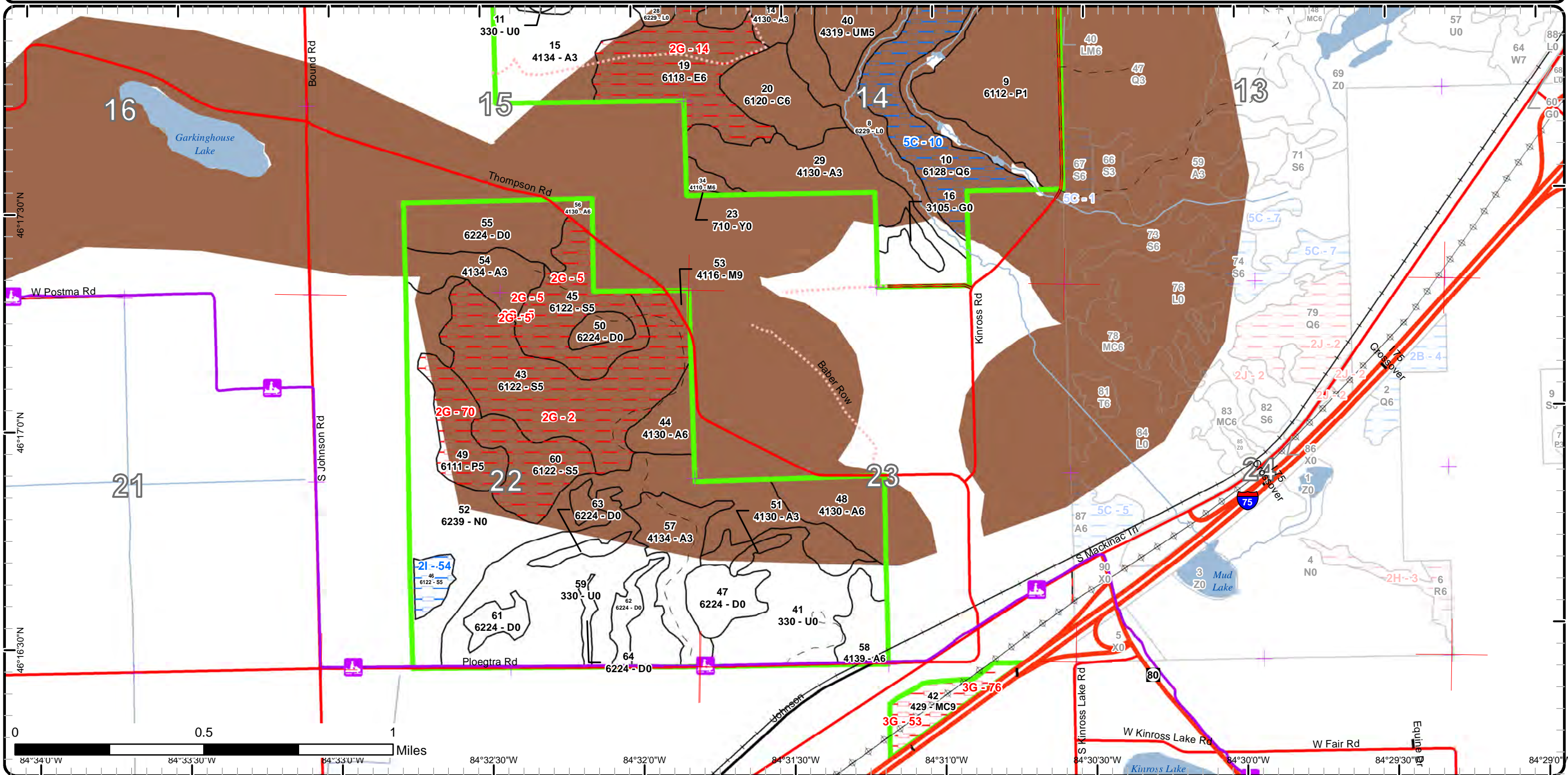


Special Conservation Areas & Site Conditions Map

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- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3G: Other Influence zones - See comments
- Stand Boundaries
- Cold Water Streams
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	111	66	389	0	16	31	0	0	10	0	0	0	0	0	0	0	0	623
Cedar	0	0	0	0	0	0	0	0	0	0	30	19	55	20	0	0	0	0	124
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Low-Density Trees	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200
Lowland Aspen/Balsam Poplar	0	95	0	0	0	0	25	27	48	0	0	26	0	0	0	0	0	0	221
Lowland Conifers	0	0	0	0	0	0	0	0	0	48	58	0	0	0	0	0	0	0	106
Lowland Deciduous	0	0	0	0	0	0	0	0	6	0	73	12	0	0	0	0	0	0	90
Lowland Shrub	317	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	316
Lowland Spruce/Fir	0	0	0	0	0	33	0	0	7	8	182	0	0	0	0	0	0	0	230
Marsh	165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	165
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	27
Northern Hardwood	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	4	6
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Treed Bog	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	19
Upland Mixed Forest	0	0	0	0	0	0	0	0	145	0	0	0	0	0	0	0	0	0	144
Upland Spruce/Fir	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	46
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Total	787	206	66	389	0	49	56	27	252	95	343	57	74	20	0	0	0	4	2422



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2019

Acres of Harvest

Compartment 45
Total Compartment Acres: 2,422

Commercial Harvest - 204
Harvests with Site Condition - 27
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	60	0	0	0	0	0	0	0	0	60
Mixed Upland Deciduous	27	0	0	0	0	0	0	0	0	27
Northern Hardwood	0	4	0	0	0	0	0	0	0	4
Upland Mixed Forest	140	0	0	0	0	0	0	0	0	140
Total	227	4	0	0	0	0	0	0	0	231

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	231	0	0	0	0	0	219	0	0	450
Next Step	0	0	0	0	0	0	185	0	0	185
Total	231	0	0	0	0	0	404	0	0	635



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	Approval Status
9	45045009-Monitor	23.5	6112 - Lowland Aspen	Sapling Poor	3	Immature	Monitoring	Natural Regen (Intermediate)	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Treatment Sequence Terminated

Habitat Cut: No**Site Condition:**Prescription Regen check as per the work instructions.Specs:Next StepTreatments:Acceptable Acceptable regen includes aspen, birch, maple, spruce, fir, cedar and pine.Regen:Other Percent to Treat = 100%Comment:Proposed Start Date: 10/01/2019

32	45045032-Cut	26.6	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	83	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition: Unknown Access**Prescription Harvest all species except cedar, pine, oak, and hemlock.Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable present speciesRegen:Other Access is through private land.Comment:Proposed Start Date: 10/01/2018

18	45045033-cut-oi	45.6	4130 - Aspen	Poletimber Well	23	Immature	Harvest	Clearcut	61229 - Black Spruce (OI)		Field Boundary
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Habitat Cut: No**Site Condition:**Prescription OPIC - FMD: Try to get this one, in need of regeneration, manage with 36 and 40, cc with reserves, do not cut any pine and cedar, regenerationSpecs: of present species acceptable, buffer trout stream 150', SCA, deeryard. Added to 2010 POW.Next StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/01/2008

34	45045034-Cut	4.2	4110 - Sugar Maple Association	Poletimber Well	180	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription OPIC - FMD: 1997-SOME ASPEN SAW IN WITH THE PULP. S.I., ESTIMATED. 2007, needs a pulp thinning no aspen showed up in points butSpecs: note 1997 comments. Remove any nice aspen logs but leave most to keep from sprouting, SCA, deer yard.Next Step Monitoring, Natural Regen (Intermediate)Treatments:Acceptable Acceptable regen includes maple, aspen, beech, oak, fir, spruce, pine.Regen:Other Percent to Treat = 100%Comment:Proposed Start Date: 10/01/2016



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	Approval Status
37	45045037-Cut	26.5	4319 - Mixed Upland Forest	Poletimber Medium	72	1-50	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Harvest all species except cedar, hemlock pine, and oak,											
<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> Already on contract with treatment 40											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											
40	45045040-cut-oi	113.8	4319 - Mixed Upland Forest	Poletimber Medium	72	1-50	Harvest	Clearcut	4138 - Aspen (OI)		Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> OPIC - FMD: Mature stand, needs treatment to regenerate, try to get this one, access will be difficult, cc with reserves, do not cut pine or cedar,											
<u>Specs:</u> buffer trout stream, regeneration of present species acceptable, SCA, deeryard. Added to 2010 POW.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2008											
11	45045045-Monitor	37.9	330 - Low-Density Trees	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	413 - Aspen	Even-Aged	Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Regen check as per the work instructions.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Acceptable regen includes aspen, birch, maple, pine, fir, spruce, cedar.											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2019											
58	45045058-Cut	14.1	4139 - Aspen, Mixed Deciduous	Poletimber Well	42	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Harvest all species except pine and oak.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Present species expected.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2018											



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	Approval Status
59	45045059-Monitor	97.3	330 - Low-Density Trees	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	6122 - Black Spruce	Even-Aged	Field Boundary

Habitat Cut: No

Site Condition:

Prescription Perform a regen check as per the work instructions.

Specs:

Next Step

Treatments:

Acceptable Acceptable regeneration is a mix of the species present before harvest.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 10/01/2020

41	45045075-Monitor	60.5	330 - Low-Density Trees	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Intermediate)	6122 - Black Spruce	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Perform a regen check as per the work instructions.

Specs:

Next Step

Treatments:

Acceptable Acceptable regeneration is a mix of the species present before harvest.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 10/01/2020

Total Treatment Acreage Proposed: 450.0

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 45

Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions									
Acres	Available	With Condition	Not Available	2B	2I	4A	5C	5F	2G	2H	3G	5E	
622	560	31	32	Aspen				31	0	6		25	
124	70	55	0	Cedar				55					
7	7	0	0	Herbaceous Openland									
200	200	0	0	Low-Density Trees									
221	95	52	74	Lowland Aspen/Balsam Poplar	27		25		74				
105	0	105	0	Lowland Conifers			58	48					
90	5	12	73	Lowland Deciduous		12			73				
317	317	0	0	Lowland Shrub									
230	33	17	180	Lowland Spruce/Fir		9	8		180				
165	165	0	0	Marsh									
27	0	27	0	Mixed Upland Deciduous	27								
7	7	0	0	Northern Hardwood									
1	1	0	0	Sand, Soil									
90	90	0	0	Treed Bog									
19	4	0	15	Upland Conifers							15		
144	144	0	0	Upland Mixed Forest									
46	46	0	0	Upland Spruce/Fir									
7	7	0	0	Water									
2,422	1,750	299	373	Total Forested Acres	53	21	8	83	133	327	6	15	25
	72%	12%	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	2B: Unknown if access through adjacent landowner(s) is possible	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 45

Year of Entry: 2019

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	130	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5F: Evaluated for Forest Health Considerations	48	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	4A: No Markets Available for these Forest Products	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5F: Evaluated for Forest Health Considerations	55	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
Too much cedar to do a SBW salvage							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 45

Year of Entry: 2019

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	48	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5F: Evaluated for Forest Health Considerations	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wildlife recommends not treating this stand due to BMP's near the river.							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	58	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Blocked by wetlands and private land							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	2I: Survey needed	12	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments: no good access at this time							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Jeff Wise : Examiner

Compartment: 45

Year of Entry: 2019

14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	73	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	2B: Unknown if access through adjacent landowner(s) is possible	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	5E: Long-Term Retention	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	3G: Other Influence zones - See comments	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Residential area.							
54	Available	2I: Survey needed	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
70	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							

76	Unavailable	3G: Other Influence zones - See comments	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: I-75 corridor							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6122 - Black Spruce	Sapling Well	32.9	40	Unspecified	Combined stands from OI, small areas of more mature spruce but overall sap size.
2	4134 - Aspen, Spruce/Fir	Poletimber Medium	6.4	88	1-50	Small patch , inaccessible, acres reduced this YOE due to wet surroundings, leave for wildlife and diversity
4	6124 - Lowland Spruce-Fir	Poletimber Well	47.8	88	Unspecified	Small for its age but ground is poor, low and wet.
5	4130 - Aspen	Sapling Well	110.9	4	Immature	Sale 004-09. Scattered over story trees left as retention.
6	6122 - Black Spruce	Poletimber Medium	8.4	81	1-50	Patch of spruce same as st 4.
7	6118 - Lowland Deciduous with Cedar	Poletimber Well	12.3	105	51-80	Wet and spongy, good buffer along river, good timber though.
9	6112 - Lowland Aspen	Sapling Poor	95.1	3	Immature	Sale 004-09, white pine reserved, black spruce retention is the pole stocking around the edge and pockets other regen spotty but its there.
10	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	57.6	91	51-80	Island in the swamp, blocked by streams and private land, survey corners unknown, could be cut if access was gained but recommend waiting ten years as stand is in good shape and lots of prescribing already this YOE, SCA, deer yard. Evaluated for SBW.
14	4130 - Aspen	Sapling Well	69.9	23	Immature	Sale 014-89, smaller this YOE, sale was not finished, became stands 35 & 36.
15	4134 - Aspen, Spruce/Fir	Sapling Well	51.2	23	Immature	Sale 014-89, site of the Gravel Pit fire in 2007.
17	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	5.5	73	51-80	Small stand, younger than st7, no access, need a survey, leave for buffer along the river.
18	4130 - Aspen	Poletimber Well	152.6	23	Immature	Cut between 1992 and 1996, surrounds a private 40, sale 18-89
19	6118 - Lowland Deciduous with Cedar	Poletimber Well	72.5	93	1-50	Very diverse and WET stand, Water flowing south form drainages the day I was there. Old winter road has grown in to tag alder.
20	6120 - Lowland Cedar	Poletimber Well	30.4	91	51-80	Deer wintering complex - leave stand as cover for wintering deer.
21	6112 - Lowland Aspen	Poletimber Medium	47.9	75	1-50	
22	6112 - Lowland Aspen	Poletimber Well	26.8	69	51-80	

Report 7 – Forested Stands

Compartment: 45
Year of Entry: 2019



Stand	Sault Ste. Marie Mgt. Unit		Report 7 – Forested Stands			Compartment: 45 Year of Entry: 2019
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	6120 - Lowland Cedar	Sawtimber Well	20.3	124	141-170	Nice mature cedar. Deer wintering complex - leave stand as cover for wintering deer.
25	6111 - Lowland Balsam Poplar	Poletimber Well	25.3	53	81-110	Still fairly young timber, good condition and healthy, leave ten years at least, may be a little wet.
26	4130 - Aspen	Sapling Well	10.8	23	Immature	Semi upland ridge, sale 014-89
27	6120 - Lowland Cedar	Poletimber Well	19.0	106	1-50	Was fully stocked with softwood last YOE, now a mix of cedar (20 BA), balsam and dead tamarack, now a C3 type.
29	4130 - Aspen	Sapling Well	65.8	14	Immature	Sale 004-99-01, cut in 2003, regen ok, oak and pine left.
30	6120 - Lowland Cedar	Sawtimber Well	54.6	110	51-80	Deer wintering complex - leave stand as cover for wintering deer.
31	6122 - Black Spruce	Poletimber Medium	6.7	78	51-80	Small spruce stand.
32	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	26.6	83	81-110	
33	42320 - Upland Spruce	Poletimber Well	45.7	76	51-80	Being cut as of January 2017.
34	4110 - Sugar Maple Association	Poletimber Well	4.4	180	111-140	Stand was marked but was never cut in 2009. Yellow paint still good, but needs blue line or follow gravel pit.
37	4319 - Mixed Upland Forest	Poletimber Medium	26.7	72	1-50	
38	4319 - Mixed Upland Forest	Poletimber Medium	4.0	72	1-50	
39	4134 - Aspen, Spruce/Fir	Poletimber Medium	31.1	58	51-80	Evaluated for SBW.
40	4319 - Mixed Upland Forest	Poletimber Medium	113.8	72	1-50	
42	429 - Mixed Upland Conifers	Sawtimber Well	19.3	118	81-110	Stand is between I-75 and Mac trail, virtually useless, includes power line.
43	6122 - Black Spruce	Poletimber Medium	98.9	98	1-50	Snow trail very rutted from the groomer and excavator..
44	4130 - Aspen	Poletimber Well	15.7	28	Immature	Steep and hilly, snow trail along cut edge.
45	6122 - Black Spruce	Poletimber Medium	43.7	98	1-50	2016 groomer and excavator stuck deep in the bog in st 68, no bottom.

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Sault Ste. Marie Mgt. Unit

Report 7 – Forested Stands

Compartment: 45
Year of Entry: 2019

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	6122 - Black Spruce	Poletimber Medium	8.6	94	51-80	Inaccessible form State
48	4130 - Aspen	Poletimber Well	26.9	28	Immature	Sale 13-89, scattered white pine.
49	6111 - Lowland Balsam Poplar	Poletimber Medium	26.4	105	51-80	Old comments say not worth cutting, low quality and volume.
51	4130 - Aspen	Sapling Well	3.5	28	Immature	Sale 13-89
53	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	2.2	86	51-80	Small stand on north side of Thompson Rd
54	4134 - Aspen, Spruce/Fir	Sapling Well	25.0	28	Immature	Sandy ridge cut many years ago, regen good. Snow trail in stand.
56	4130 - Aspen	Poletimber Well	3.7	86	111-140	Small stand north of Thompson Rd.
57	4134 - Aspen, Spruce/Fir	Sapling Well	33.1	28	Immature	Sale 13-89 snow trail trough stand.
58	4139 - Aspen, Mixed Deciduous	Poletimber Well	15.8	42	81-110	Looks older than 42, could be cut but growth is good and mortality is low.
60	6122 - Black Spruce	Poletimber Medium	30.5	98	1-50	Snow trail very rutted from the groomer and excavator..



Stand	Cover Type	Acres	Managed Site	General Comments:
3	622 - Lowland Shrub	56.6	No	
8	6229 - Mixed lowland shrub	206.6	No	Drainage system, gullies, contains the Waishkey River, a trout stream, will be buffered from timber sales, south portion in the deer yard, north part is a lowland island where the river splits for a ways.
11	330 - Low-Density Trees	42.4		Sale 004-09, cut in 2015, There are scattered over story trees of various species that were retained during the sale.
12	500 - Water	6.7	No	OPIC - FMD: Beaver pond
13	6239 - Mixed Emergent Wetland	31.1	No	OPIC - FMD: Beaver pond
16	3105 - Mixed Upland Herbaceous	6.6	No	Treated in 2003 along with timber sale 004-99, still looks open.
23	710 - Sand, Soil	0.8	No	Old trespass, no information.
28	6229 - Mixed lowland shrub	53.3	No	Mix of lowland species, very wet.
41	330 - Low-Density Trees	60.5		Stand was cut in the winter of 2014-2015 as part of Snowshoe Spruce. There was overstory pine and tamarack left during the harvest.
47	6224 - Treed Bog	18.5	No	Treed bogs with jack pine, black spruce, and tamarack.
50	6224 - Treed Bog	7.8	No	A groomer and excavator were buried here on the day I was !
52	6239 - Mixed Emergent Wetland	133.8	No	
55	6224 - Treed Bog	37.3	No	Yep, treed bog!
59	330 - Low-Density Trees	97.4		Stand was cut in the winter of 2014-2015 as part of Snowshoe Spruce. Pine and tamarack were left during the harvest so there are some areas of overstory trees.
61	6224 - Treed Bog	9.1	No	Treed bogs with jack pine, black spruce, and tamarack.
62	6224 - Treed Bog	8.4	No	Treed bogs with jack pine, black spruce, and tamarack.
63	6224 - Treed Bog	5.3	No	Treed bogs with jack pine, black spruce, and tamarack.



Stand	Cover Type	Acres	Managed Site	General Comments:
64	6224 - Treed Bog	3.7	No	Treed bogs with jack pine, black spruce, and tamarack.