



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45022

Entry Year 2020

Acreage: 2,395

County Chippewa

Management Area: Huron Patterned Outcrop

Revision Date: 2018-08-06

Stand Examiner: Josh Brinks

Legal Description:

T42N R2E SECs. 14,15,22,23,24

T42N R3E SECs. 19

Identified Planning Goals:

This area is quite diverse and past management has included practices directed at both wildlife and timber. Management goals include developing an optimal age class distribution of aspen stands for sustainable forestry and wildlife values. Rotating hardwood treatments for optimal regeneration and stocking of all age classes. Maintain current openings as needed for diversity and enhancement of wildlife benefits. Provide public access for multiple use benefits such as hunting, gathering, ORV/snowmobile riding and camping while protecting the natural resource. This compartment is within the Huron Patterned Outcrop Management Area.

Soil and topography:

Shelter-Posen-Summerville Association: Very deep and shallow, nearly level to very steep, somewhat poorly drained and well drained, loamy soils on ground moraines and glacial lake benches. Topography consists of some areas of gently rolling terrain, other areas are quite flat. Topography is generally upland and flat with areas of cedar swamps and lowland areas.

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

Generally a block of state ownership but several in holdings exist. For the most part the in holdings are used for recreational purposes. Ownership patterns in and around has been relatively stable for the last two decades.

Unique Natural Features:

McAdams Lake is a small lake within a cedar swamp in section 22.

Archeological, Historical, and Cultural Features:

No known occurrences within this compartment.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment contains Foreman Lake (headwaters for Albany Creek) and McAdams Lake. Prescribed treatments are appropriate for the protection of these waterbodies.

Wildlife Habitat Considerations:

Compartment 22 is part of the Huron Patterned Outcrop MA; featured wildlife species include pileated woodpecker, ruffed grouse, snowshoe hare, and white-tailed deer. Common cover types include aspen, oak, and northern hardwoods or mixes of these types. Cedar is common in the southwest block. This block was acquired using PR and state game funds. Objectives in the compartment include maintaining age class diversity between aspen stands and promoting early successional habitat where it exists to benefit grouse and deer, encouraging oak to promote acorn production for deer and bear, promoting diversity in northern hardwoods, and protecting lowland conifer areas for cover, particularly wintering cover.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand & gravel and postglacial alluvium, coarse-textured till and peat and muck. The glacial drift thickness varies between 10 and 50 feet. The Silurian Engadine Group subcrops below the glacial drift. The Engadine is quarried for stone/dolomite in the UP. Gravel pits are located in the area and there should be potential on the uplands. There is no current economic oil and gas production in the UP.

Vehicle Access:

The Ziegler Road passes roughly through the center of the compartment with part of the Springer Road passing through the west. These two roads and several small spurs provide good access into the compartment. No new permanent roads are planned for this compartment.

Survey Needs:

Corners are needed in section 14, 19 and 22.

Recreational Facilities and Opportunities:

Snowmobile and ORV riding are common within the compartment. Ziegler Lake Road is groomed in the winter for snowmobile use. There is an ORV trailhead located on Springer Rd. at the north west corner of the compartment. The compartment is also used for hunting and mushroom picking.

Fire Protection:

Most areas of the compartment are easily accessible with the current road system. Water sources are sufficient with Foreman Lake nearby.

Additional Compartment Information:

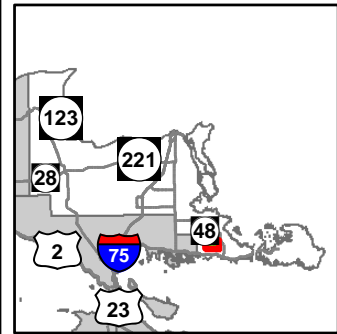
The following reports from the Inventory are attached:

- 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:

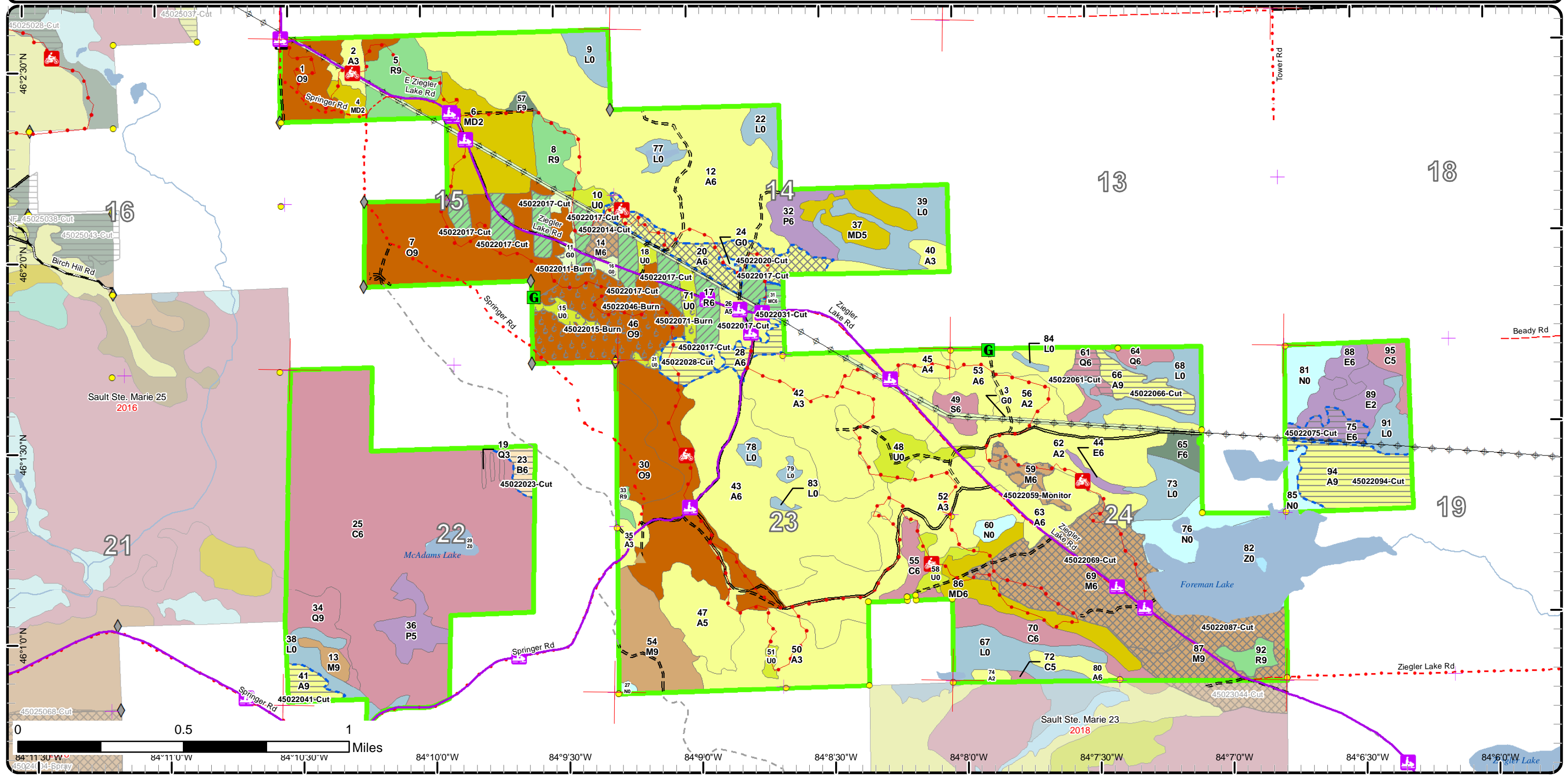
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map



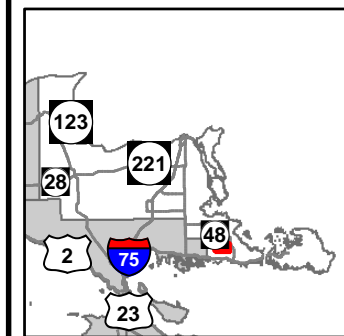
Compartment: 22
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 T42N, R03E, Sec: 19
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: Huron Patterned
 Outcrop
 YOE: 2020
 Acres: 2,395 GIS Calculated
 Examiner: Josh Brinks
 Map Revised: 12/7/2018
 Map Phase: Post Review

- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
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- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ⚡ Powerline
- 🟩 Compartment Boundary
- 🟩 Treatments with Site Conditions
- 🟩 Selection (Group, Single Tree)
- ☐ Clearcut (w/Reserves)
- ☐ Prescribed Burn
- ☐ Thinning (Crown, Low, Systematic)
- ☐ Regeneration Survey
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees

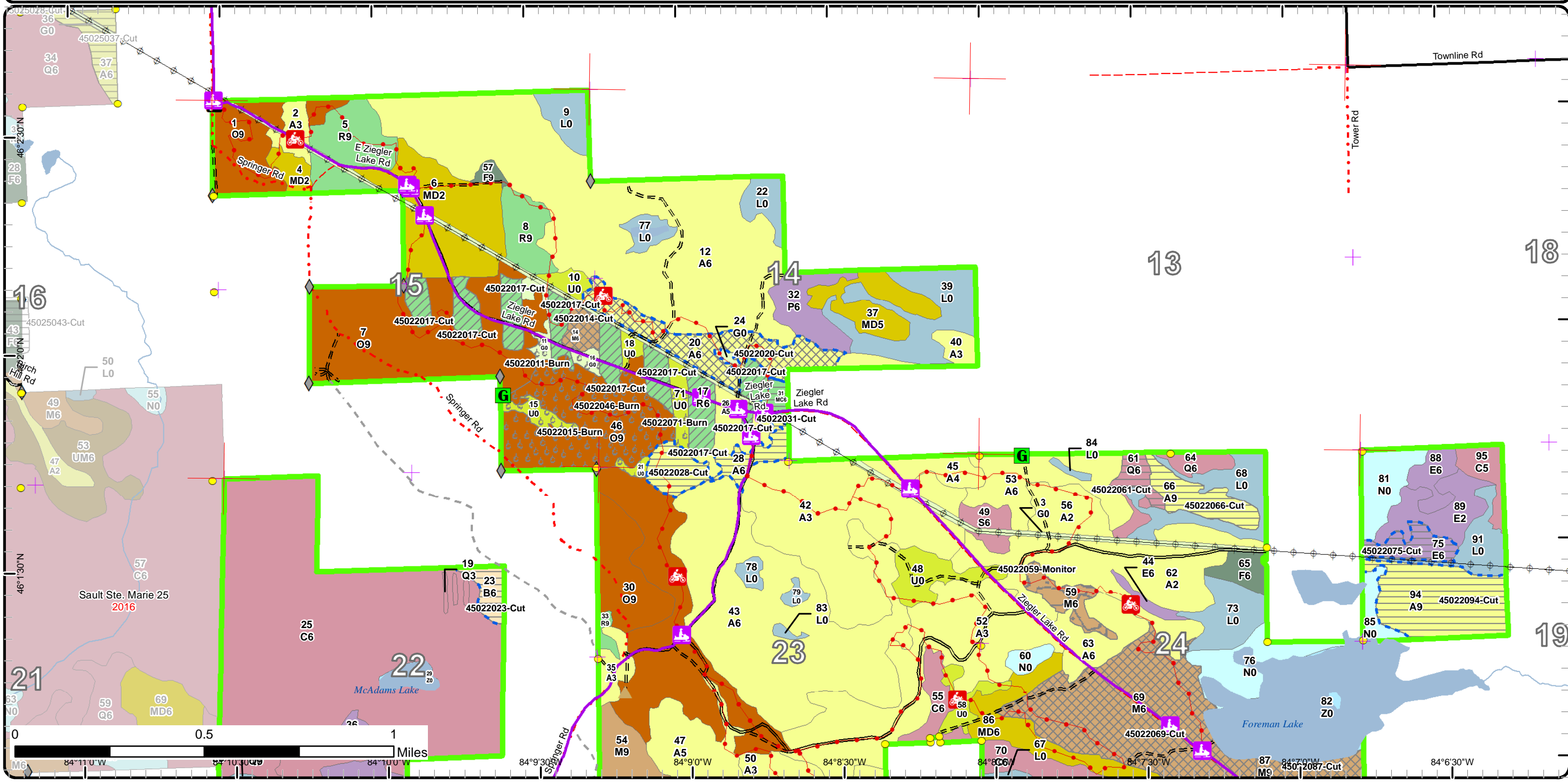


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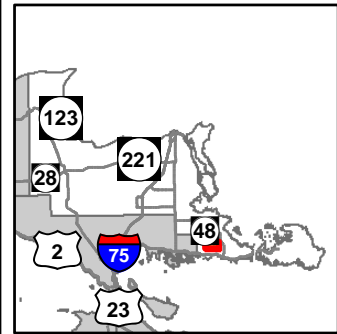
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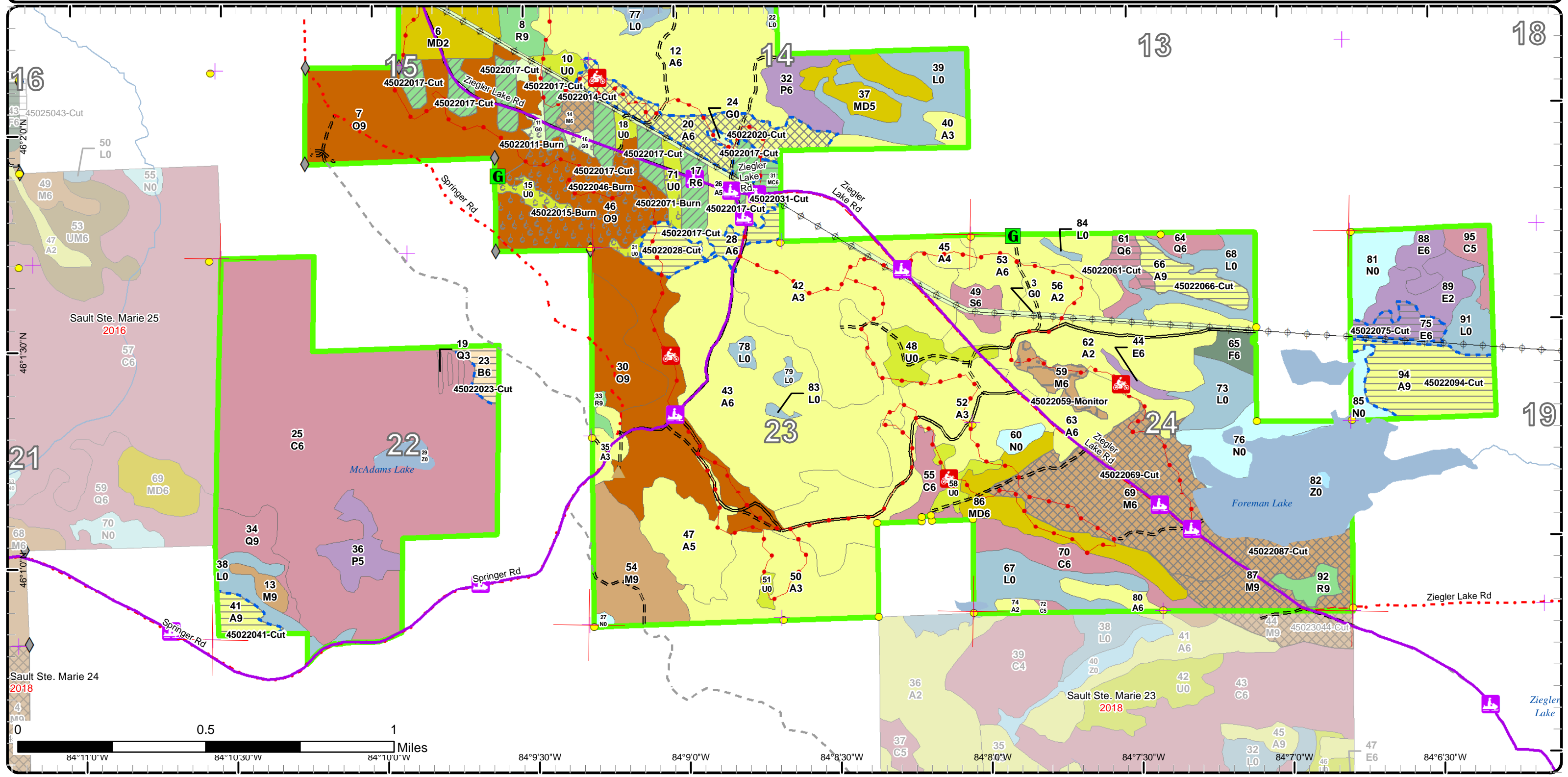


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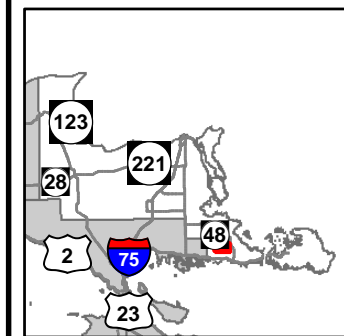
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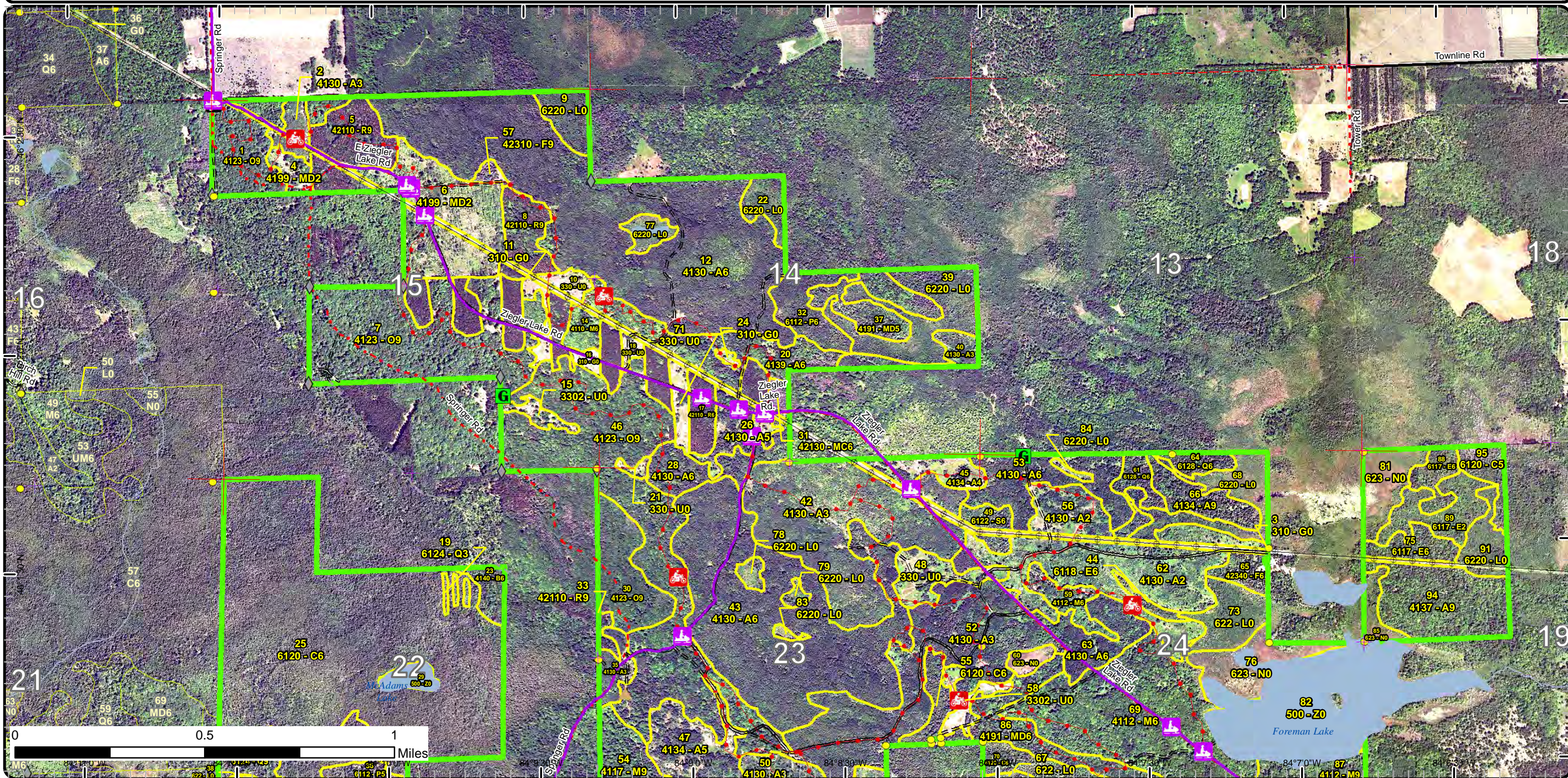


Stand Boundary Map

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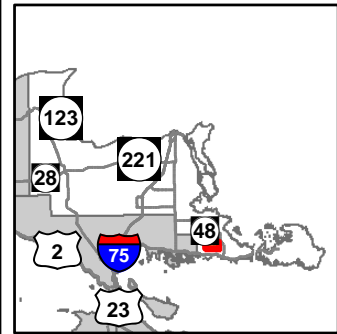


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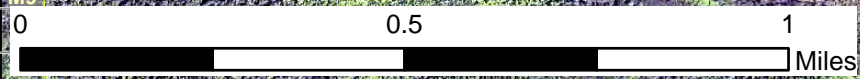
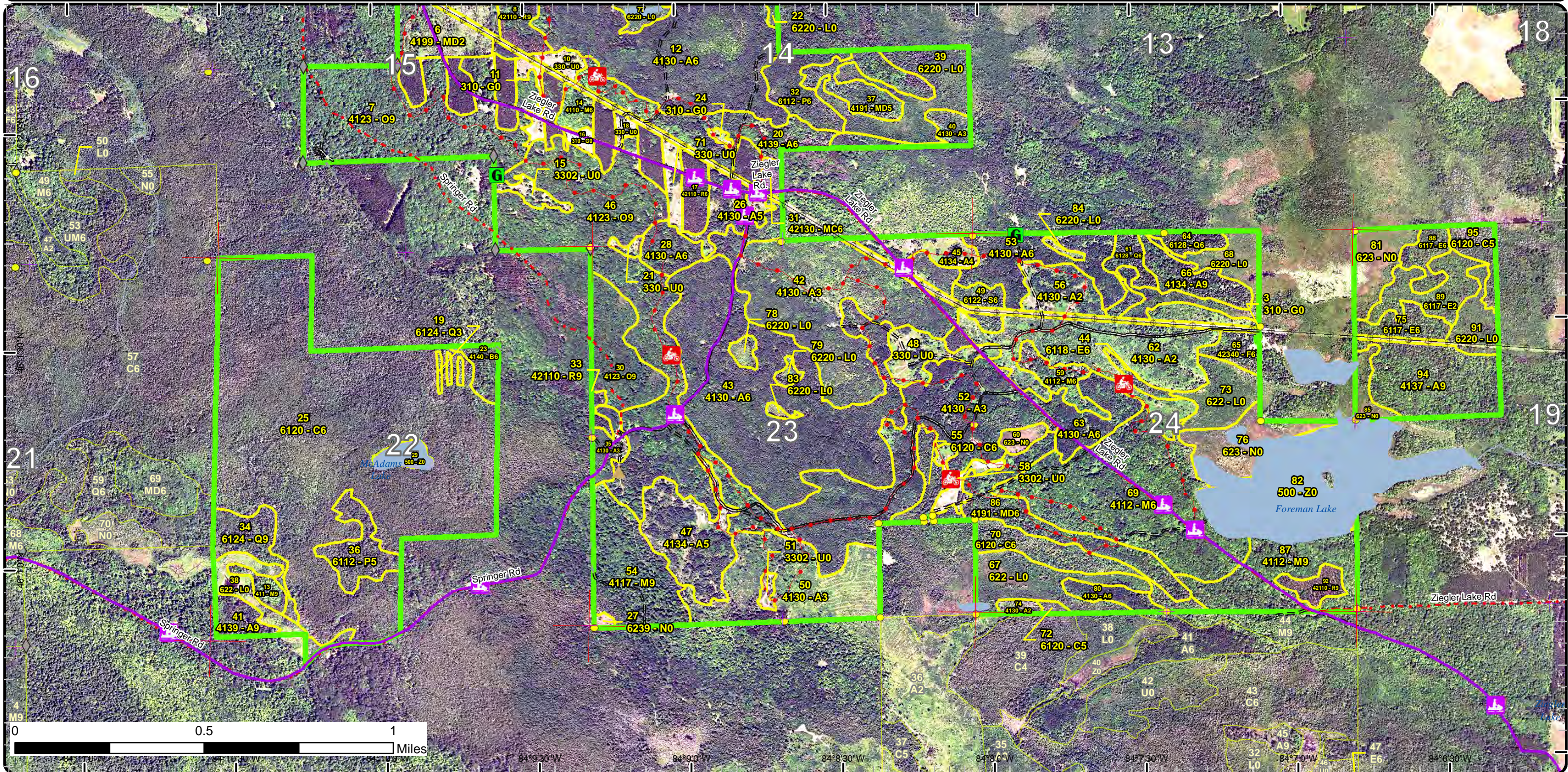


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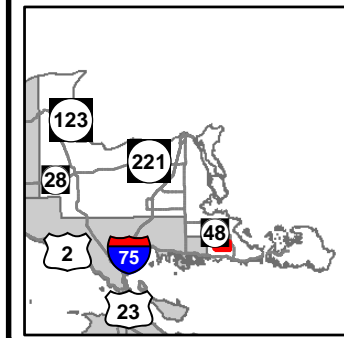
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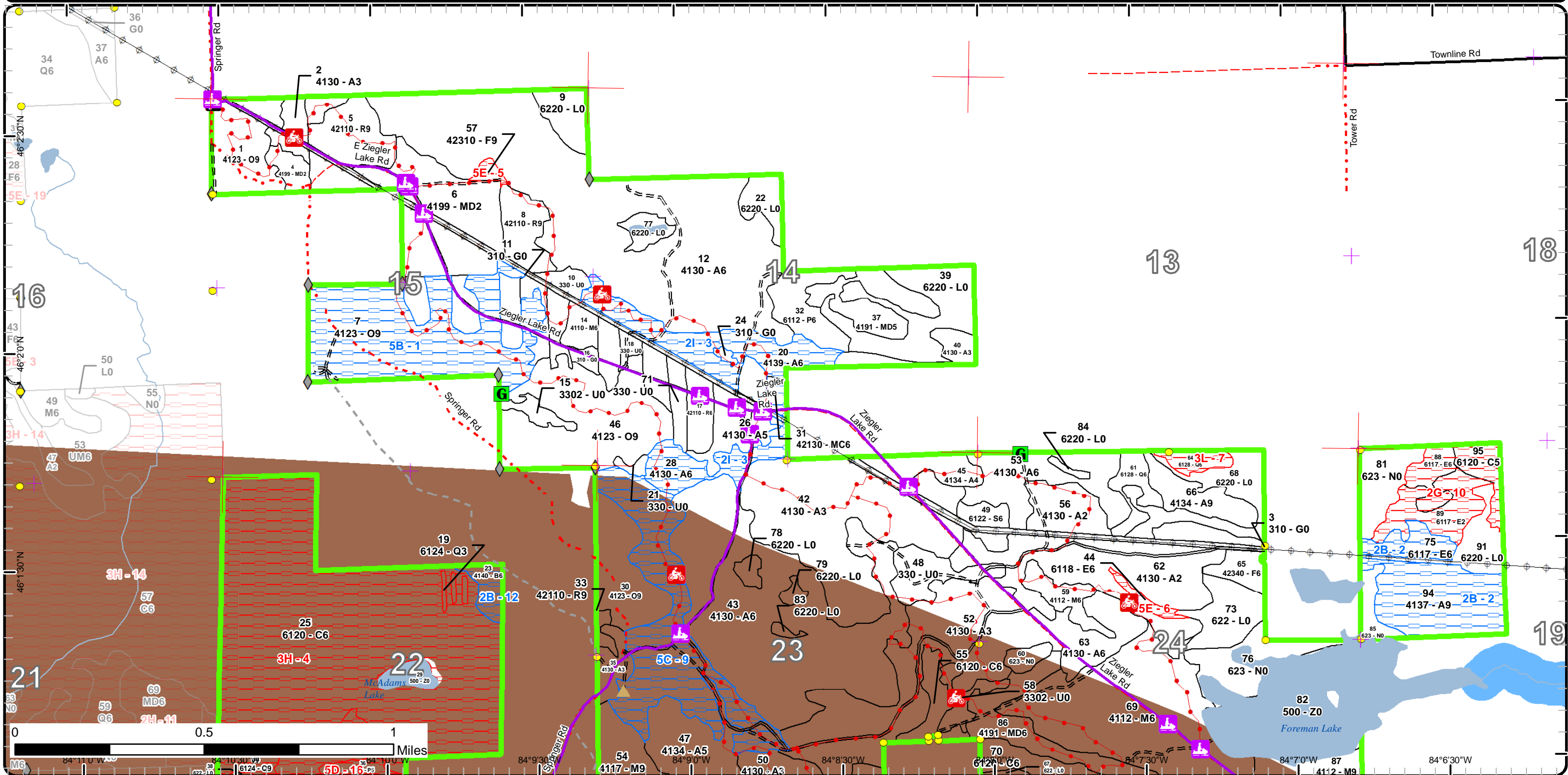
84° 9' 30" W 84° 9' 0" W 84° 8' 30" W 84° 8' 0" W 84° 7' 30" W 84° 7' 0" W 84° 6' 30" W

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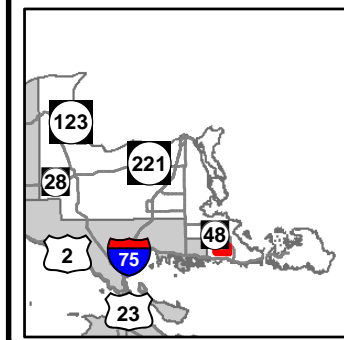


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- Deer Winter Range
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer

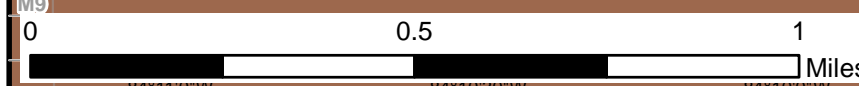
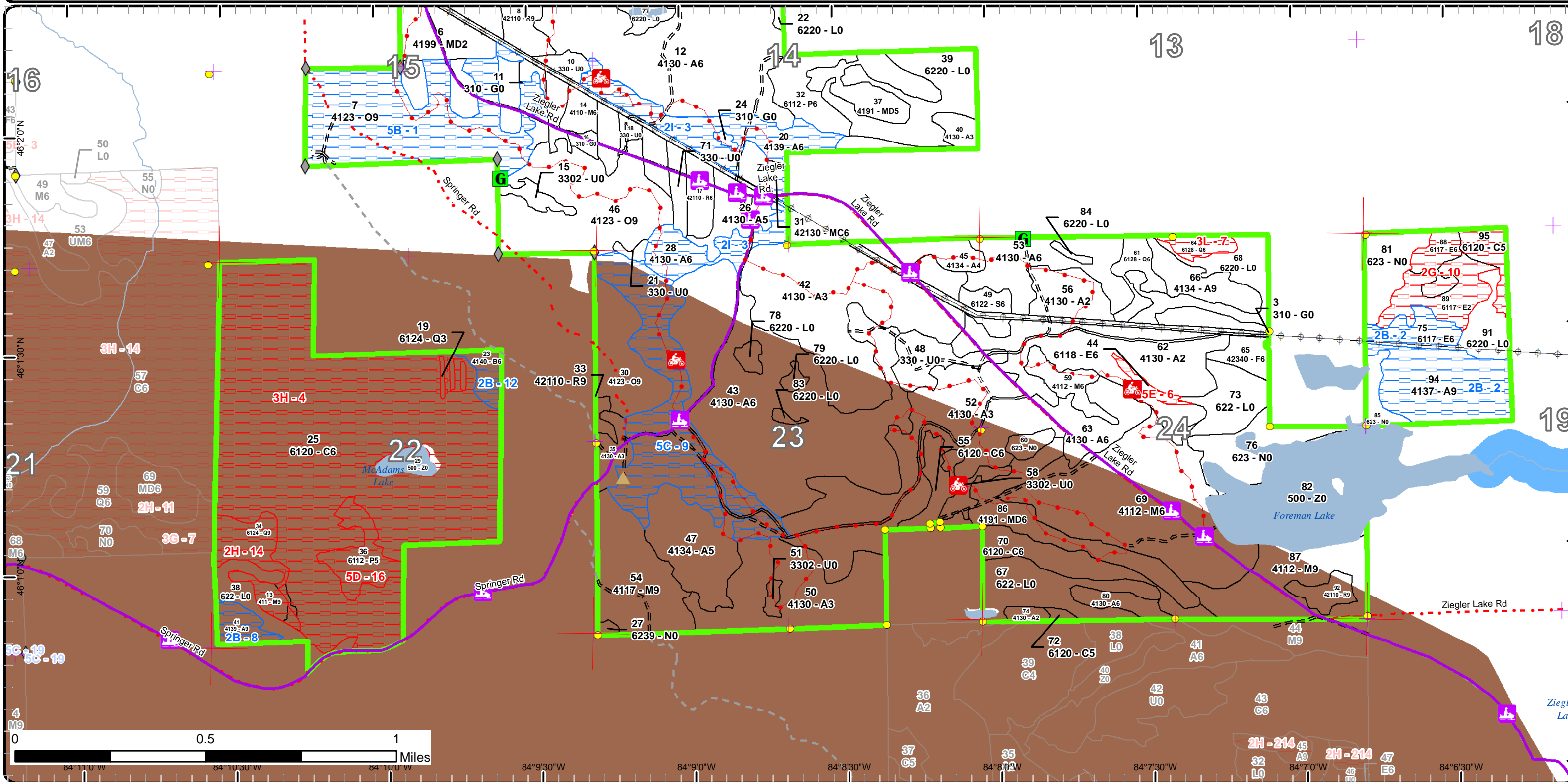


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| ✚ Remonumented Section Corners | — Designated Snowmobile Trails | 2G: Too wet (sensitive soils, does not include access issues) |
| ● Survey Grade Corners | ▲ Berms | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) |
| ◆ Field Grade Corners | Ⓜ Gate | 3L: Other wildlife concerns |
| --- Counties | — Island in Lake or River | 5D: Unproductive Forest Land |
| — DNR - Primary Forest Road | — Lake/Pond | 5E: Long-Term Retention |
| — DNR - Secondary Forest Road | — Perennial River | □ Stand Boundaries |
| — DNR - Forest Access Route | — Lakes and Rivers All | — Cold Water Streams |
| - - - County - Gravel Road | — Powerline | — Cold Water Lakes |
| - - - County - Dirt Road (Seasonal) | — Compartment Boundary | — High Priority Trout Stream Buffer |
| - - - Private - Dirt / Gravel Road | — Available w/ Constraints | — Deer Winter Range |
| 🏍 Motorcycle Trails (DNR License) | — Unavailable | |
| 🏂 Snowmobile Trails | 2I: Survey needed | |
| | 5B: Maintain for regeneration purposes | |



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 46°2'0"N 46°1'30"N 46°1'0"N 46°0'30"N 46°0'0"N

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	124	132	90	399	47	52	48	15	0	0	0	0	0	0	0	0	0	907
Cedar	0	0	0	0	0	0	0	0	0	0	0	323	0	9	0	0	0	0	332
Herbaceous Openland	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Low-Density Trees	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Lowland Aspen/Balsam Poplar	0	0	0	0	17	0	0	0	0	0	16	0	0	0	0	0	0	0	33
Lowland Conifers	0	0	0	0	0	2	0	0	15	0	0	15	0	0	0	0	0	0	32
Lowland Deciduous	0	0	0	0	0	19	22	0	0	0	0	0	0	0	0	0	0	0	41
Lowland Shrub	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	160
Lowland Spruce/Fir	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Marsh	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
Mixed Upland Deciduous	0	0	6	50	0	0	30	20	0	0	0	0	0	0	0	0	0	0	106
Northern Hardwood	0	0	0	0	0	0	99	0	40	0	39	5	0	0	0	0	0	10	193
Oak	0	0	0	0	0	0	0	0	57	86	135	0	0	0	0	0	0	0	278
Paper Birch	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
Planted Mixed Pines	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Red Pine	0	0	0	0	49	0	47	2	0	0	0	0	0	0	0	0	0	0	98
Upland Spruce/Fir	0	0	0	0	8	0	2	0	0	0	0	0	0	0	0	0	0	0	10
Water	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
Total	349	124	138	140	476	68	252	77	127	93	190	343	0	9	0	0	0	10	2396



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2020

Acres of Harvest

Compartment 22
Total Compartment Acres: 2,395

Commercial Harvest - 209
Harvests with Site Condition - 120
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	82	33	0	0	0	0	0	0	0	115
Lowland Conifers	6	0	0	0	0	0	0	0	0	6
Lowland Deciduous	10	0	0	0	0	0	0	0	0	10
Northern Hardwood	0	139	0	0	0	0	0	0	0	139
Paper Birch	7	0	0	0	0	0	0	0	0	7
Planted Mixed Pines	3	0	0	0	0	0	0	0	0	3
Red Pine	0	0	0	0	0	49	0	0	0	49
Total	108	172	0	0	0	49	0	0	0	329

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	329	0	0	0	75	0	10	0	0	414
Next Step	0	3	14	0	0	10	362	10	0	399
Total	329	3	14	0	75	10	372	10	0	813



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
11	45022011-Burn	1.9	310 - Herbaceous Openland	Nonstocked		Unspecified	Burn	Opening	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Burn to set back the encroachment of woody vegetation in the opening.

Specs:

Next Step Monitoring, Prescribed Burn

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

14	45022014-Cut	5.9	4110 - Sugar Maple Association	Poletimber Well	55	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand to 70-80 BA. Focus on retaining large maples that would be suitable for sap collection.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Acceptable regen includes maple, birch, beech, ironwood, pine.

Regen:

Other This stand is used for tribal sap collection. use this treatment to enhance the quality of the sugar bush.

Comment:

Proposed Start Date: 10/1 /2019

15	45022015-Burn	4.6	3302 - Low Density Conifer Trees	Nonstocked		Unspecified	Burn	Opening	330 - Low-Density Trees		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Burn to set back the encroachment of woody vegetation in the opening.

Specs:

Next Step Monitoring, Prescribed Burn

Treatments:

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Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

16	45022016-Burn	1.8	310 - Herbaceous Openland	Nonstocked		Unspecified	Burn	Opening	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Burn to set back the encroachment of woody vegetation in the opening.

Specs:

Next Step Monitoring, Prescribed Burn

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
17	45022017-Cut	48.7	42110 - Planted Red Pine	Poletimber Well	36	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Third row thin these strips. Leave all other species for diversity unless they are in the row being cut.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

20	45022020-Cut	33.3	4139 - Aspen, Mixed Deciduous	Poletimber Well	56	111-140	Harvest	Group Selection	4199 - Other Mixed Upland Deciduous	Two-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Survey Needed**

Prescription Cut all aspen, birch, spruce and fir and thin hardwoods to 80 BA. In areas dominated by aspen cut all deciduous trees 2" or greater and conifer 4" or greater. Do not cut oak, maple, pine, cedar, hemlock or yellow birch. In areas dominated by hardwoods thin to 80 BA and open up regen gaps around some of the oaks. Remove any diseased beech. Remove all scotch pine. Thin red pine plantation to 100 BA and remove all plantation spruce.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Acceptable regeneration includes aspen, birch, spruce, fir, maple, oak, pine, beech, and ironwood.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

21	45022021-Burn	1.7	330 - Low-Density Trees	Nonstocked		Unspecified	Burn	Opening	330 - Low-Density Trees		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Burn to set back the encroachment of woody vegetation in the opening.

Specs:

Next Step Monitoring, Prescribed Burn
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

23	45022023-Cut	7.0	4140 - Other Upland Deciduous	Poletimber Well	84	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Unknown Access**

Prescription Cut all deciduous 2" or more and all conifer 4" or more to promote young early successional deciduous habitat for grouse, deer, and other species.
Specs: No not cut oak, hemlock, pine, cedar or yellow birch to maintain diversity, a cover component, and food resources in the stand. If possible, create one or more brush piles near the lowland conifer edge while processing if practical to encourage hare use. Winter cut (Dec. 1 - Mar. 31) so tops are available as browse to wintering deer.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Acceptable regen includes birch, maple, aspen, spruce, fir, oak, pine, cedar and hemlock.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019



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
28	45022028-Cut	18.7	4130 - Aspen	Poletimber Well	57	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No Site Condition: Survey Needed

Prescription Cut all deciduous trees 2" or greater and all conifer 4" or greater. Leave a 1 acres retention island in the block to the west. Do not cut oak, white pine, red pine, cedar, yellow birch or hemlock. Leave 1 pile of tops for every 2 acres that is at least 6'-9' tall and 12' in diameter.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Acceptable regen includes aspen, birch, spruce, fir, oak, maple, ironwood, pine.

Other

Comment: This treatment is north of the obligate deer wintering range.

Proposed Start Date: 10/1 /2019

31	45022031-Cut	3.4	42130 - Planted Scotch Pine	Poletimber Well	36	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Survey Needed

Prescription Remove all planted scotch pine from plantation.

Specs:

Next Step SitePrep, Trenching; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Initial Plant; Monitoring, Herbicide Use

Treatments:

Acceptable Regen: Acceptable regeneration includes a fully stocked red pine stand.

OtherComment:

Proposed Start Date: 10/1 /2019

41	45022041-Cut	8.3	4139 - Aspen, Mixed Deciduous	Sawtimber Well	62	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Unknown Access

Prescription Cut all deciduous 2" or more and all conifer 4" or more to promote young early successional deciduous habitat for grouse, deer, and other wildlife and prevent a type conversion. Leave a tree length buffer along the wetland edge. Do not cut cedar, oak, pine, hemlock or yellow birch to maintain diversity and some cover species. There is a small inclusion of hardwood along the west PVT line. Mark this area to 70 BA. Maybe leave tree mark and allow them to take all other sugar maple.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Acceptable regen includes aspen, birch, red maple spruce, fir, pine, cedar, hemlock.

OtherComment:

Proposed Start Date: 10/1 /2019

46	45022046-Burn	60.7	4123 - Red Oak	Sawtimber Well	97	51-80	Burn	Understory	412 - Oak Types	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition:

Prescription Perform an understory burn to kill competing regen and enhance the regen of Oak. Strip light to ensure that the fire does not get too hot and kill the overstory.

Specs:

Next Step Monitoring, Prescribed Burn

Treatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2019



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	45022059-Monitor	10.1	4112 - Maple, Beech, Cherry Association	Poletimber Well	70	51-80	Monitoring	Natural Regen (Re-Inventory)	4111 - S.Maple, Hard Mast Association	Uneven-Aged	Field Boundary

Habitat Cut: No**Site Condition:**Prescription Monitor regen for beech.Specs:Next Step Pesticide, Other - Specify; Other, Other; Planting, Underplant
Treatments:Acceptable Maple, beech, or oak is acceptable.
Regen:Other Percent to Treat = 100%
Comment:Proposed Start Date: 2/10/2020

61	45022061-Cut	6.1	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	71	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription Cut all deciduous 2" or more and all conifer 4" or more. Leave all pine, hemlock, cedar, yellow birch and oak. Stay out of cedar clumps.Specs:Next Step Monitoring, Natural Regen (Intermediate)
Treatments:Acceptable Acceptable regen includes aspen, birch, maple, spruce, fir, ash, pine, cedar, hemlock, and tamarack.
Regen:Other Harvest the portion of this stand adjacent to the upland ground.
Comment:Proposed Start Date: 10/1/2019

66	45022066-Cut	15.0	4134 - Aspen, Spruce/Fir	Sawtimber Well	75	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription Cut all deciduous 2" or more and all conifer 4" or more. Leave all pine, hemlock, oak, cedar and yellow birch. Leave 1- 0.5 acre retention patch for every 10 acres of harvest.Specs:Next Step Monitoring, Natural Regen (Intermediate)
Treatments:Acceptable Acceptable regen includes aspen, birch, maple, spruce, fir, pine, cedar, and tamarack.
Regen:Other I recommend using crane mats to cross the lowland and access this stand from the power line.
Comment:Proposed Start Date: 10/1/2019

69	45022069-Cut	93.2	4112 - Maple, Beech, Cherry Association	Poletimber Well	50	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription Thin stand to 70-80 BA. Promote diversity by targeting red maple and leaving under represented trees. Open up canopy gaps around yellow birch and oak to promote regen of these species. The portion on the south side of Ziegler Lake Rd will be winter cut for deer yard December 1-March 31. North of Ziegler Lake Rd there is no winter restriction. Within 100' of the lake leave 80+ BA of large trees and do not cut trees on the bank.Specs:Next Step Monitoring, Natural Regen (Intermediate)
Treatments:Acceptable Acceptable regen includes maple, oak, beech, ironwood, aspen, birch, spruce, fir and pine.
Regen:Other Most of the stand is in the deer yard. There is a portion outside of the deer yard on the north side of the county road.
Comment:Proposed Start Date: 10/1/2019



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
71	45022071-Burn	4.0	330 - Low-Density Trees	Nonstocked	0	Unspecified	Burn	Opening	330 - Low-Density Trees		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Burn to set back the encroachment of woody vegetation in the opening.

Specs:

Next Step Monitoring, Prescribed Burn

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

75	45022075-Cut	9.7	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	55	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Unknown Access**

Prescription Cut all deciduous 2" or more and conifers 4" or more. Leave all cedar, pine, hemlock, oak and yellow birch.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Acceptable regen includes aspen, maple, birch, spruce, fir, cedar, pine, tamarack.

Regen:

Other Treatment shape may vary when areas that are unsuitable for harvest are dropped.

Comment:

Proposed Start Date: 10/1 /2019

87	45022087-Cut	39.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	70	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand to 70-80 BA. Focus on increasing stand diversity by targeting red maple and leaving under represented trees. Remove all aspen. Leave any healthy beech. Open up canopy gaps around oak and yellow birch to promote regen of these species. Winter cut for deer yard December 1 to March 31. Within 100' of the lake leave 80+ BA of large trees and do not cut trees on the bank.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Acceptable regen includes maple, beech, oak, birch, pine, spruce, fir.

Regen:

Other Most of the stand is in the deer yard except for the NE corner on the back side of the red pine, Cut with stand to the south.

Comment:

Proposed Start Date: 10/1 /2019

94	45022094-Cut	39.9	4137 - Aspen, Birch	Sawtimber Well	69	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Unknown Access**

Prescription Cut all deciduous 2" or greater and all conifers 4" or greater. Leave all cedar, pine, hemlock, oak and yellow birch. Leave a 1/2 acre retention patch for every 10 acres of harvest.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Acceptable regen includes aspen, birch, maple, spruce, fir, pine, cedar, oak and hemlock.

Regen:

Other Consider accessing from detour school property and using a bridge to cross the Albany creek or freeze down the power line across private property.

Comment:

Proposed Start Date: 10/1 /2019



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
44	45023044-Cut	17.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	70	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Thin stand to 70-80 BA. Promote diversity by targeting red maple and leaving under represented trees. Open up canopy gaps around yellow birch and oak to promote regen of these species. Winter cut for deer yard December 1-March 31.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: Acceptable regen includes maple, oak, beech, birch, aspen, spruce, fir, pine.

Other Comment: Thin OYOE with stand to the north.

Proposed Start Date: 10/1 /2019

Total Treatment Acreage Proposed: 430.7

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 22

Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions										
		With Condition				2B	2I	5B	5C	2G	2H	3H	3L	5D	5E	
907	807	100		0	Aspen	48	52									
332	32	0		300	Cedar					9		291				
32	8	24		0	Herbaceous Openland		24									
43	43	0		0	Low-Density Trees											
33	17	0		16	Lowland Aspen/Balsam Poplar									16		
32	11	0		21	Lowland Conifers						14	1	6			
40	0	10		31	Lowland Deciduous	10				28						3
159	159	0		0	Lowland Shrub											
7	7	0		0	Lowland Spruce/Fir											
53	53	0		0	Marsh											
106	106	0		0	Mixed Upland Deciduous											
193	188	0		5	Northern Hardwood						5					
278	120	158		0	Oak			86	72							
7	0	7		0	Paper Birch	7										
3	0	3		0	Planted Mixed Pines		3									
98	98	0		0	Red Pine		0									
10	8	0		2	Upland Spruce/Fir											2
61	61	0		0	Water											
2,395	1,717	303		375	Total Forested Acres	65	80	86	72	37	19	292	6	16		6
	72%	13%		16%	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	5B: Maintain for regeneration purposes	86	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 22

Year of Entry: 2020

2	Available	2B: Unknown if access through adjacent landowner(s) is possible	50	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments: Not sure if adjacent landowners will let us through. If they do we have to see if there is a decent route that is not too wet.							
3	Available	2I: Survey needed	56	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	292	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This served as the retention requested by wildlife when the adjacent stand was harvested.							
6	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3L: Other wildlife concerns	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: WLD wants to leave cedar cover in this area.							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 22

Year of Entry: 2020

8	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	72	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	37	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	2B: Unknown if access through adjacent landowner(s) is possible	7	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5D: Unproductive Forest Land	16	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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4123 - Red Oak	Sawtimber Well	29.9	70	81-110	Stand was thinned in 2003. Log size red oak is in good condition. Poorer quality logs but nice stand overall. Regen is mostly sugar maple and ironwood with some oak. Ironwood saplings are thick in some spots and thin in others. Some deer browse present.
2	4130 - Aspen	Sapling Well	6.8	16	Immature	Stand was clear cut in 2002. Regeneration is coming back nicely to aspen with some oak. A few oak reserved within the stand. there is an understory starting to develop in this stand .
4	4199 - Other Mixed Upland Deciduous	Sapling Medium	6.0	16	Immature	Stand was cut in 2002. Large residual oak left within the sale. The stand is starting to fill in but there are some open areas with raspberries. Great mix of species but mostly oak, sugar maple and ironwood.
5	42110 - Planted Red Pine	Sawtimber Well	25.2	56	111-140	Stand was thinned in 2013. Sugar maple and hazel brush within the stand. In previous thinning they cut pockets of aspen out of stand. These pockets are now regenerating back to aspen. With the amount of sugar maple and oak regen in the understory this may be a good site to convert to hardwoods.
6	4199 - Other Mixed Upland Deciduous	Sapling Medium	49.7	20	Immature	This was originally a spruce plantation which was row thinned in 2002 then clear cut in 2013. There was decent regen after the row thinning which has resulted in this stand having two age classes of regen from the two different harvests. The stand is filling in quite nicely to a mix. The stand is at the upper end of this canopy closure class. Scattered oak and white pine retention.
7	4123 - Red Oak	Sawtimber Well	85.8	87	81-110	Stand is dominant to oak. Stand was thinned in 2002 with mostly aspen and red maple taken out. Oak looks in good condition, low BA. East side of stand contains areas of decent aspen regeneration. Some younger oak present within the stand as well. 3-5" dbh trees present.
8	42110 - Planted Red Pine	Sawtimber Well	14.3	56	111-140	Stand was last thinned in 2013. Decent stand of red pine that is right on the edge of log/pole. There are patches of aspen or sugar maple regen in the stand. Still fairly open in the understory at this time but is filling in.
12	4130 - Aspen	Poletimber Well	189.0	34	81-110	Nice stand of aspen. Regeneration is fully stocked and doing well. Aspen is mixed with balsam, sugar maple, and white birch. There are some areas of low ground. There is more quaking aspen mixed in closer to the wet ground to the north and east.
13	411 - Northern Hardwood	Sawtimber Well	5.2	101	111-140	Upland hardwood knob surrounded by aspen.
14	4110 - Sugar Maple Association	Poletimber Well	5.9	55	81-110	Small hardwood stand amongst the grass openings and RP plantations. The majority of the stand consists of young pole sized sugar maple. A few larger sugar maple, oak, and a couple beech exist within the stand as well. This stand is set up as a location for tribal member to tap trees for maple syrup(FTP#C45-186).
17	42110 - Planted Red Pine	Poletimber Well	48.7	36	141-170	Young red pine plantations... All of them planted in 1982. Red Pine looks healthy and is doing well. Some patches have more understory than others which is mostly hazel, oak, and sugar maple.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	6124 - Lowland Spruce- Fir	Sapling Well	2.0	40	51-80	Old strip cuts within the cedar swamp. Strip cuts are fully stocked with a mix of black spruce and fir with cedar. Cedar regen. within the strips is excellent! Very healthy. Very few deer using this area.
20	4139 - Aspen, Mixed Deciduous	Poletimber Well	33.3	56	111-140	Stand contains a mix of young hardwood along with a mix of uneven aged aspen. Stand also consists of some thick sub-canopy regen is spots.
23	4140 - Other Upland Deciduous	Poletimber Well	7.0	84	81-110	Small stand consisting of mostly white birch and red maple with scattered oak. Stand is definitely mature. White birch is in good condition but is old. Stand sits on a gentle slope down to the cedar swamp.
25	6120 - Lowland Cedar	Poletimber Well	290.9	102	141-170	Cedar type with a mix of tamarack and black spruce. A high percentage of the black spruce has mistletoe. Stand contains areas of cedar regen that is nice and healthy. Very few deer using this stand. Various ages of cedar within the stand.
26	4130 - Aspen	Poletimber Medium	13.2	40	51-80	Grass stand filling in with various ages of aspen. Majority of aspen looks to be around 30 years old. White spruce seedlings are starting to fill in the openings as well.
28	4130 - Aspen	Poletimber Well	18.7	57	111-140	Stand consists of a mix of both quaking aspen and big tooth aspen. The stand varies in size with some large log size aspen in some areas and pole size in others. The larger trees are not going to hold on much longer so it is time to manage this stand.
30	4123 - Red Oak	Sawtimber Well	27.4	70	81-110	Oak stand was thinned in 2002. Very nice oak stand for this area. Oak is in good condition. Lots of good sugar maple regen in the slightly more open areas.
31	42130 - Planted Scotch Pine	Poletimber Well	3.4	36	111-140	Young scotch pine plantation. It would be good to remove it before it spreads. Very few other species in the canopy of this stand. There is some diversity in the understory around the edges of the stand but in the interior there is nothing coming in under the scotch pine. 1-2 stick trees.
32	6112 - Lowland Aspen	Poletimber Well	16.7	34	Immature	Wet area of aspen regen. with some scattered cedar clumps. The strip along the PVT was cut a little later than the rest of the stand and is a bit smaller in DBH.
33	42110 - Planted Red Pine	Sawtimber Well	2.3	60	111-140	Very small stand of red pine that continues onto the private to the west. Red Pine was thinned in 2002. Pine is very good quality but shows a decent amount of damage from the last harvest.
34	6124 - Lowland Spruce- Fir	Sawtimber Well	14.8	101	111-140	Small stand with a wide variety of species and ages. Overall the stand health is good. Stand is surrounded by swamp and flowages. The stand contains areas of aspen and black spruce.
35	4130 - Aspen	Sapling Well	8.3	16	Immature	Stand was cut in 2002 as part of Springer Selection. Very nice aspen regeneration with some paper birch and oak.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	6112 - Lowland Aspen	Poletimber Medium	16.1	94	Unspecified	Stand is very poor quality. Most of the balsam has fallen down. Aspen is also poor quality. Stand is on a small rise in the middle of the swamp.
37	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	20.2	67	51-80	Stand was picked through during sale 008-91-01 which was closed in 1994. A large amount of residual was left. Regen is doing very well.
40	4130 - Aspen	Sapling Well	9.6	15	Immature	Stand was clear cut in '03. Aspen regen. looks good. A few large white spruce and white birch left within the stand.
41	4139 - Aspen, Mixed Deciduous	Sawtimber Well	8.3	62	111-140	Small piece of timber which is getting old. Ground is lower. Spruce is dying out. Aspen is old. Wetland exists along the north side of the stand.
42	4130 - Aspen	Sapling Well	91.2	16	Immature	Sale was cut in 2002. Scattered oak, pine, spruce and paper birch were left. Stand has regenerated nicely. There is a patch in the middle of this stand with shallow bed rock, this area is more open and is dominated by paper birch.
43	4130 - Aspen	Poletimber Well	139.4	39	81-110	Nice stand of aspen that is doing well. Most of the stand in the pole size class but there are some areas of saplings. It is possible to find a log size aspen also. Understory has sugar maple and scattered oak. Some log size oak were left during the harvest.
44	6118 - Lowland Deciduous with Cedar	Poletimber Well	3.2	54	51-80	This is a wet drainage that was left uncut. Mix of cedar, red maple, and birch. Areas of ponded water and grass.
45	4134 - Aspen, Spruce/Fir	Poletimber Poor	12.2	30	1-50	Stand consists of a grass opening which is filling in with various ages of aspen. Aspen is in clumps amongst the opening. Older aspen in the 30 year old range. Younger aspen is 10-15 years old. Wide variety of ages.
46	4123 - Red Oak	Sawtimber Well	135.2	97	51-80	Stand data disappeared for this stand. Was able to get the main info back but not species information. Stand consists of older, open grown oak trees with pole size maple and aspen. Still some areas of large saplings and small poles. BA is still low. Hardwood is healthy and is pretty good quality.
47	4134 - Aspen, Spruce/Fir	Poletimber Medium	34.2	42	1-50	Stand consists of a grass opening with clumps of merchantable timber. These clumps are spreading out and filling in the grass opening. Stand is multi-aged. It should be managed in the future but is too young right now. There is a decent amount of what looks like crab apples in this stand.
49	6122 - Black Spruce	Poletimber Well	7.1	64	1-50	Poor quality stand of black spruce, tamarack and white pine. The eastern edge of the stand has merchantable timber on the transitions from upland to lowland. The middle of the stand contains small diameter trees.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
50	4130 - Aspen	Sapling Well	54.1	7	Immature	Stand was cut in the fall of 2011. Sale # 004-10. Scattered oak and white pine retention. Good aspen regen with a few red oak are scattered, more on the West side of stand. Stand is fully stocked with regeneration. There is approx. 2 acres of red pine along the south line of this stand that was thinned at the same time as the aspen cut.
52	4130 - Aspen	Sapling Well	89.5	26	Immature	Stand is fully stocked and healthy. Aspen is healthy and is mixed with balsam and spruce. The stand should be pole size at next inventory. There are a few wet patches in the stand. There are some areas of mature timber that must have been left during the harvest.
53	4130 - Aspen	Poletimber Well	31.0	33	51-80	Sale was cut in 1985. Aspen is fully stocked and is very nice quality. There is some low ground in this stand. The stand is just barely pole size at this time. Scattered log size trees throughout.
54	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	39.2	97	51-80	Stand was thinned in 2002. Large sugar maple, and x-large supercanopy white pine remain. Understory consists of a mix of species. BA is low within the stand but it looks like the heavy thinning did the stand well. Lots of good sugar maple regen.
55	6120 - Lowland Cedar	Poletimber Well	10.6	104	141-170	Small cedar stand with a stream running through it. Cedar is good quality and is pole sized. The east side of the stand contains mature aspen/spruce/fir. This strip could be harvested when other aspen in the area gets cut.
56	4130 - Aspen	Sapling Medium	15.8	15	Immature	Stand was cut in 2003 for opening maintenance reasons. OI labeled it as a grass stand. Stand is now regenerating back to a mix of aspen, red maple, and hazel brush. Where there is aspen it is fully stocked but there are still some scattered "openings" in the stand. There is a dump site in the eastern part of the stand.
57	42310 - Planted Spruce	Sawtimber Well	2.4	56	81-110	Stand was row thinned in 2002 and has not responded well. It now serves as retention for the adjacent clear cut. During the last inventory it was noted that the spruce was in tough shape but they seem to have recovered with healthy looking crowns. Regeneration within the cut strips is good and is coming back to aspen, spruce, etc.
59	4112 - Maple, Beech, Cherry Association	Poletimber Well	10.1	70	51-80	A small hardwood stand amongst the aspen type. Primarily sugar maple poles of decent quality. This stand had the beech removed as part of Ziegler Rd. Beech in 2014.
61	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	9.2	71	81-110	Stand is quite variable with areas of cedar, black spruce, upland black spruce, and aspen over tag alder. The cedar areas contain many blow downs.
62	4130 - Aspen	Sapling Medium	67.3	7	Immature	Stand was cut in fall of 2011, Foreman Lake Mix, 45-005-10-01. Stand has regenerated back with a mix of both quaking and big tooth aspen and red maple. Scattered white pine and a few red maple exist.
63	4130 - Aspen	Poletimber Well	20.1	39	81-110	Nice stand of young aspen. Pretty thick in the understory with maple, cherry, aspen and lots of serviceberry. Some sugar maple was left after the clear cut. Scattered white pine and conifers.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
64	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	5.9	75	111-140	Small cedar stand combined with a small birch type. Both stands were too small to be separate. Cedar is poorer quality with lots of tip ups. Ground is very wet.
65	42340 - Upland Spruce/Fir	Poletimber Well	7.5	35	51-80	This area was left when the adjacent sale was set up. It contains smaller diameter conifers with scattered birch, red maple and aspen. It looks like an old opening that has grown in. It is dominated by fir trees.
66	4134 - Aspen, Spruce/Fir	Sawtimber Well	15.0	75	81-110	Stand of large aspen and spruce. There are some openings in the middle of the stand that are growing in with spruce/fir.
69	4112 - Maple, Beech, Cherry Association	Poletimber Well	93.2	50	81-110	Younger hardwood stand. High amount of red maple within the stand. Southern and western edge contains some aspen clones along with some balsam and black spruce with thick fir in the understory.. This stand is right on the edge of a log and pole stand.
70	6120 - Lowland Cedar	Poletimber Well	20.3	108	141-170	Low cedar swamp mixed with balsam fir and tag alder within the understory. A few clumps of Hemlock/birch within the stand as well. Cedar is poor quality.
72	6120 - Lowland Cedar	Poletimber Medium	1.4	103	171-200	Younger stand of cedar. Cedar is very thick in some areas. Stand looks healthy.
74	4130 - Aspen	Sapling Medium	2.6	7	Immature	Stand was cut in the fall of 2011. Sale # 004-10 Noticed a good flush of aspen regeneration in the summer of 2012 throughout the stand. Stand is fully stocked with regeneration.
75	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	9.7	55	81-110	Stand consist of low and high ground. Areas of red maple and birch and others of lowland black spruce. Stand is wet.
80	4130 - Aspen	Poletimber Well	7.4	38	81-110	Pole size aspen stand with a decent amount of blowdown. The stand sits on a slop between wetlands. A beaver has leveled a portion of this stand and made a dam right at the compartment line..
86	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	30.1	50	81-110	This stand is a mix of red maple and aspen with balsam fir. There are a few patches of younger looking aspen that look like they may have been managed in the past.
87	4112 - Maple, Beech, Cherry Association	Sawtimber Well	39.7	70	81-110	Stand contains a lot of poor quality pulp trees. Some areas of stand contain some blowdown, within these areas the regen seems to be doing well within the openings. Quite a bit of beech in the understory. A small portion of this stand had a beech salvage cut. The southern portion of this stand has very thick fir regen.
88	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	8.8	55	81-110	Area of mature timber in the swamp. Very wet.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
89	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	18.8	40	Unspecified	Very low, wet ground. Stand consists of tag alder mixed with aspen, red maple, balsam and a few ash.
92	42110 - Planted Red Pine	Sawtimber Well	7.1	56	111-140	Stand was thinned in 2013. Nice red pine with a few patches of young aspen/hardwoods. The beech and oak regen is spotty with some thick areas and some areas with no regen at all.
94	4137 - Aspen, Birch	Sawtimber Well	39.9	69	111-140	Upland stand of aspen/birch/red maple. Aspen is in clumps, is old, and needs mgmt. There is a lot of advanced regeneration which is dominated by red maple and balsam fir. Areas of blowdown throughout the stand. Some old opening that are growing in.
95	6120 - Lowland Cedar	Poletimber Medium	9.0	121	81-110	Poorer quality cedar within the stand. Small openings within the stand consist of ash and tag alder. Some cedar is uprooted. Some dieback also noticed, probably due to hydric soils? The north end of the stand is very wet and the canopy is thin. This area is growing most of the tamarack and black spruce.



Stand	Cover Type	Acres	Managed Site	General Comments:
3	310 - Herbaceous Openland	24.2	No	Power Line
9	6220 - Alder/willow	10.8	No	
10	330 - Low-Density Trees	4.2	No	Quite a few red pine volunteers. Scattered log size sugar maple along with sapling spruce and pine.
11	310 - Herbaceous Openland	4.6	No	Grass opening with some red pine seedlings in the north.
15	3302 - Low Density Conifer Trees	4.6	No	
16	310 - Herbaceous Openland	2.5	No	Mostly a grass opening with some saplings along the woods edge and the road.
18	330 - Low-Density Trees	2.5	No	
21	330 - Low-Density Trees	1.7	No	
22	6220 - Alder/willow	8.7	No	
24	310 - Herbaceous Openland	1.1	No	Opening with scattered trees. It kind of interesting, 1/2 of the stand is grass with knapweed and the other 1/2 is ferns/juniper.
27	6239 - Mixed Emergent Wetland	1.2	No	
29	500 - Water	5.2	No	McAdams Lake
38	622 - Lowland Shrub	13.8	No	Shrub and emergent wetland with beaver ponds.
39	6220 - Alder/willow	33.0	No	Dominated by tag alder but there are scattered aspen, BAM, paper birch and conifer trees throughout the stand.
48	330 - Low-Density Trees	14.3	No	
51	3302 - Low Density Conifer Trees	2.1	No	Scattered spruce and white pine. Looks like there might be some good gravel in the ridge on the north side of this stand.
58	3302 - Low Density Conifer Trees	7.2	No	Stand is mostly open grassland with scattered conifer trees that look like they were planted.



Stand	Cover Type	Acres	Managed Site	General Comments:
60	623 - Emergent Wetland	4.1	No	
67	622 - Lowland Shrub	27.0	No	Sapling size cedar in some areas.
68	6220 - Alder/willow	21.8	No	
71	330 - Low-Density Trees	6.2	No	Mostly a grass opening with some scattered trees but there is one clump of aspen/oak/maple within the stand.
73	622 - Lowland Shrub	17.3	No	
76	623 - Emergent Wetland	24.8	No	
77	6220 - Alder/willow	5.8	No	Nice stand of aspen. Regeneration is fully stocked and doing well. Aspen is mixed with balsam, red maple, and white birch.
78	6220 - Alder/willow	2.9	No	Fully stocked aspen stand. Looks healthy. A few large red oak within the stand.
79	6220 - Alder/willow	2.0	No	Fully stocked aspen stand. Looks healthy. A few large red oak within the stand.
81	623 - Emergent Wetland	15.9	No	lowland shrub and emergent wetland.
82	500 - Water	55.5	No	Foreman Lake
83	6220 - Alder/willow	1.2	No	Fully stocked aspen stand. Looks healthy. A few large red oak within the stand.
84	6220 - Alder/willow	1.3	No	Sale was cut in 1985. Aspen is fully stocked and is very nice quality.
85	623 - Emergent Wetland	6.8	No	Emergent wetland and lowland shrub.
91	6220 - Alder/willow	13.5	No	Stand contains the powerline right of way.