



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45016

Entry Year 2026

Acreage: 2,459

County Chippewa

Management Area: Drummond Island

Stand Examiner: Kenny Fanelli

Legal Description:

T41N, R07E, Sec 5-8

Identified Planning Goals:

This Year of Entry will focus on continuing to manage the mature and over mature aspen throughout the compartment to provide important wildlife habitat. Additionally, hardwood management will take place in those stands that weren't affected by beech bark disease salvage operations last entry. Non-forest management will also continue to occur on the large Sheep Ranch opening with burning being the primary tool. Clearing of smaller non-forested openings will also be completed in correlation with timber harvesting.

Soil and topography:

Soils are Shelter-Posen-Summerville Association; poorly drained, shallow bedrock, and scattered glacial deposits. The compartment topography is flat to gently rolling, and rocky in places.

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

The compartment is nearly completely surrounded by State land except for the south west side and one in holding on the west side.

Unique Natural Features:

Alvar type habitat exists in the compartment although no ERAs currently exist.

Archeological, Historical, and Cultural Features:

There are known sites in the vicinity of this compartment.

Special Management Designations or Considerations:

Spruce budworm is present in many sub merchantable spruce/fir dominated stands. These stands should be monitored throughout the course of this planning period.

Watershed and Fisheries Considerations:

Dry Lake and Dickenson Lake border the compartment. Both lakes have intermittent streams associated with them. Standard BMPs should be applied.

Wildlife Habitat Considerations:

This compartment is located in the Drummond Island Management Area where featured wildlife species include blackburnian warbler, black-throated blue warbler, ruffed grouse, snowshoe hare, white-tailed deer, black bear, and sharp-tailed grouse. It consists of a mix of cover types ranging from aspen and northern hardwoods to mixed conifers and cedar as well as a larger opening. The cover type is influenced by shallow soils over limestone bedrock common throughout the island. The southeast corner borders Dickinson Lake. Wildlife management objectives include maintaining aspen habitat and encouraging varying age classes to benefit ruffed grouse and snowshoe hare, diversifying northern hardwood stands including encouraging recruitment, retaining the lowland conifer cover used by deer and snowshoe hare, maintaining the opening to benefit species like sharp-tailed grouse, and protecting wetland and shoreline habitat for waterfowl and other migratory birds and wetland wildlife. Lakes and wetlands will be buffered appropriately to maintain the aquatic and shoreline habitat, and rare species and features will be protected.

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 are no known economic metallic or critical mineral occurrences in this area. The closest known active sand/gravel pit is less than three miles west, and there is potential for sand & gravel within the compartment on the uplands and where there is sufficient thickness of glacial drift over the bedrock. Due to logistics and availability, sand & gravel on the island is more valuable compared to on the mainland. High-purity dolomite is quarried from the Engadine Group on the west end of the island, more than seven miles from the compartment. The existing quarry (and its immediately adjacent lands) contain decades worth of dolomite reserves. While there may be potential for additional high-purity dolomite within the compartment, it is unlikely that a new quarry would be developed here. The State does not own most of the mineral rights within the compartment but may own

the rights to the bedrock dolostone. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Vehicle access is generally good through the compartment although some roads are difficult to traverse with out a high clearance vehicle. Glen Cove Rd is a good county road that splits the compartment.

Survey Needs:

A survey is needed for stand 52 in compartment 45018 which will be cut out of year of entry.

Recreational Facilities and Opportunities:

This compartment contains a trailhead for both the ORV route and snowmobile trail. An ATV trail also winds through the compartment.

Fire Protection:

Very little water is available in the compartment. Dry Lake has access through private. Roads are adequate for access.

Additional Compartment Information:

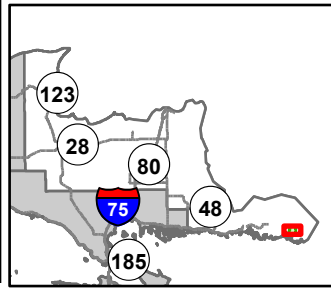
The following reports from the Inventory are attached:

- 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**

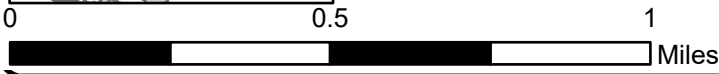
The following information is displayed, where pertinent, on the attached compartment maps:

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

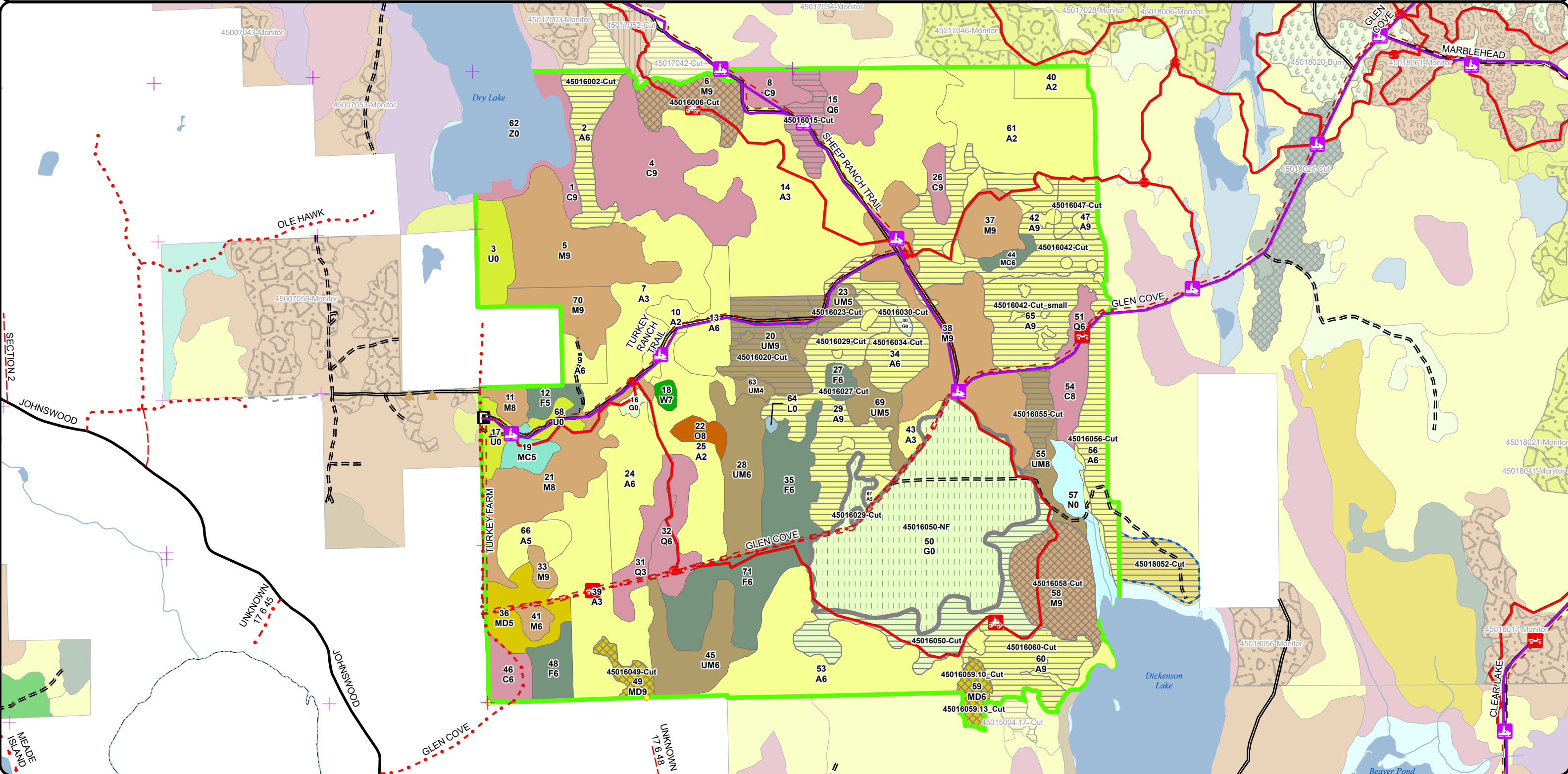
Cover Type & Treatments Map



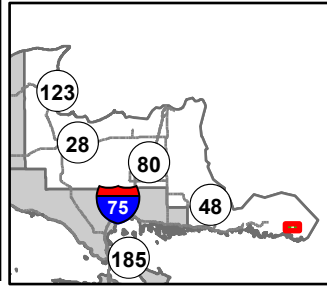
Compartment: 45016
 T41N, R7E, Sec: 5-8
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: Drummond Island
 YOE: 2026
 Acres: 2459.2 GIS Calculated
 Examiner: Kenny Fanelli
 Map Revised: 07/19/2024
 Map Phase: Web Post



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|--------------------------------|---|-----------------------------------|-------------------------|-----------------------------------|
| ▲ Berms | == Designated ORV Routes | --- Intermittent Stream | ▭ Clearcut (w/Reserves) | ■ 429 - Mixed Upland Conifers |
| P Parking Lot | — Designated ATV Trails | — Island in Lake or River | ▭ Opening Maintenance | ■ 430 - Upland Mixed Forest |
| ● Sign | — DNR - Primary Forest Road | — Lake/Pond | ▭ Clearcut (w/Reserves) | ■ 612 - Lowland Coniferous Forest |
| ● Survey Grade Corners | — DNR - Secondary Forest Road | — Perennial River | ▭ Clearcut (w/Reserves) | ■ 310 - Herbaceous Openland |
| + Remonumented Section Corners | == DNR - Forest Access Route | — Shoreline | ▭ Clearcut (w/Reserves) | ■ 330 - Low Density Trees |
| ORV Trails | — Federal / State / County - Paved Road | ▭ Lakes and Rivers | ▭ Clearcut (w/Reserves) | ■ 500 - Water |
| ORV Routes | - - - County - Gravel Road | ▭ Compartment Boundary | ▭ Clearcut (w/Reserves) | ■ 622 - Lowland Shrub |
| SNOWMOBILE TRAILS | - - - County - Dirt Road (Seasonal) | ▭ Treatments with Site Conditions | ▭ Clearcut (w/Reserves) | ■ 623 - Emergent Wetland |
| | - - - Private - Dirt / Gravel Road | ▭ Selection (Group, Single Tree) | ▭ Clearcut (w/Reserves) | |



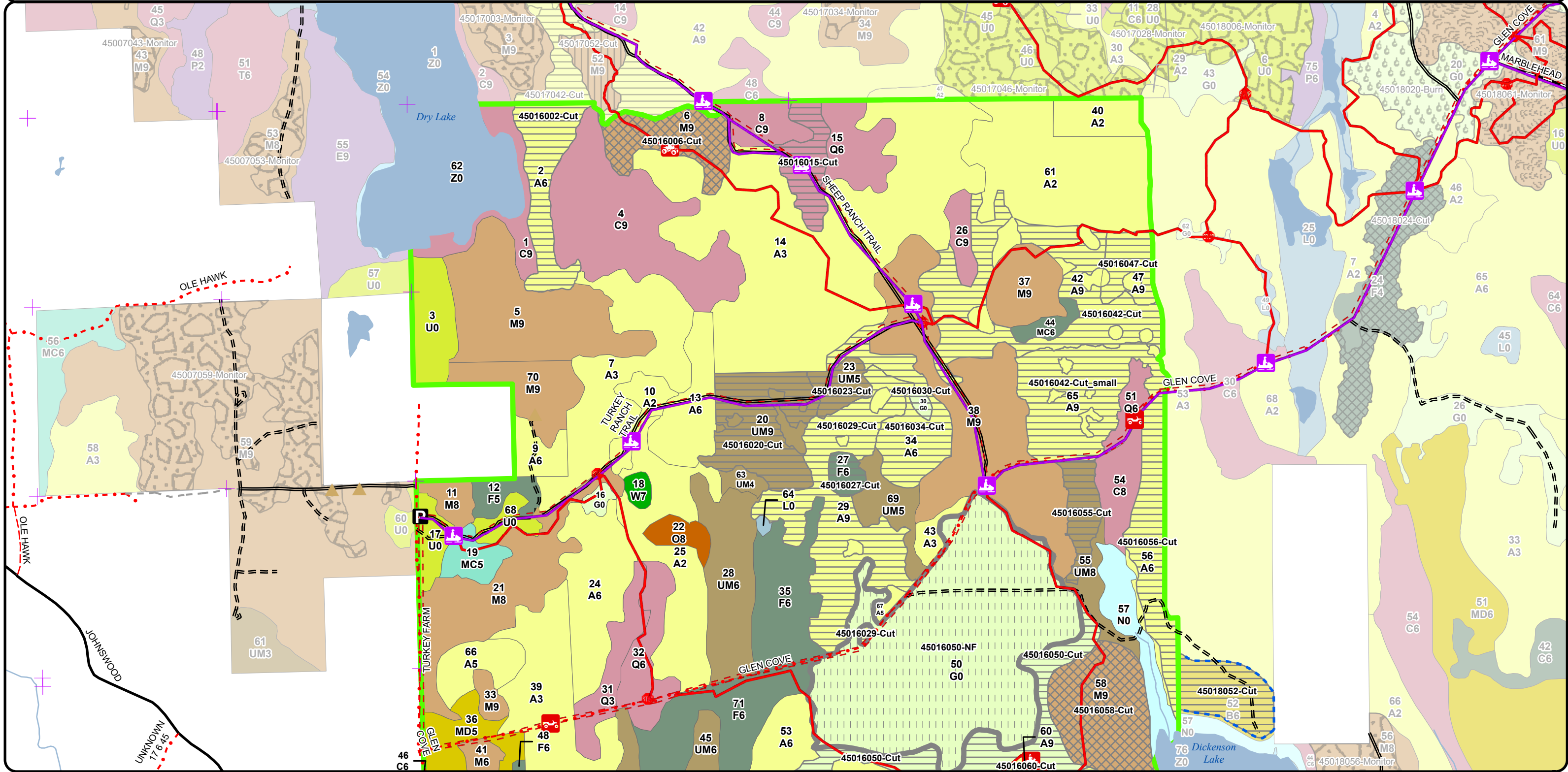
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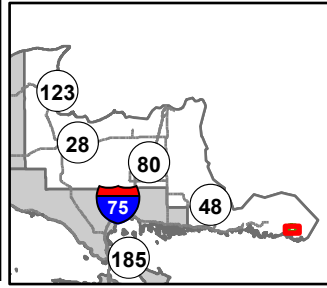
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| Parking Lot | Designated ATV Trails | Intermittent Stream | Clearcut (w/Reserves) | 612 - Lowland Coniferous Forest |
| Sign | DNR - Primary Forest Road | Lake/Pond | 411 - Northern Hardwood | 310 - Herbaceous Openland |
| Remonumented Section Corners | DNR - Secondary Forest Road | Perennial River | 412 - Oak Types | 330 - Low Density Trees |
| ORV Trails | DNR - Forest Access Route | Lakes and Rivers | 413 - Aspen Types | 500 - Water |
| ORV Routes | Federal / State / County - Paved Road | Compartment Boundary | 419 - Mixed Upland Deciduous | 622 - Lowland Shrub |
| Snowmobile Trails | County - Gravel Road | Treatments with Site Conditions | 422 - Natural Pines | 623 - Emergent Wetland |
| | County - Dirt Road (Seasonal) | Selection (Group, Single Tree) | 423 - Other Upland Conifers | |
| | | Clearcut (w/Reserves) | 429 - Mixed Upland Conifers | |



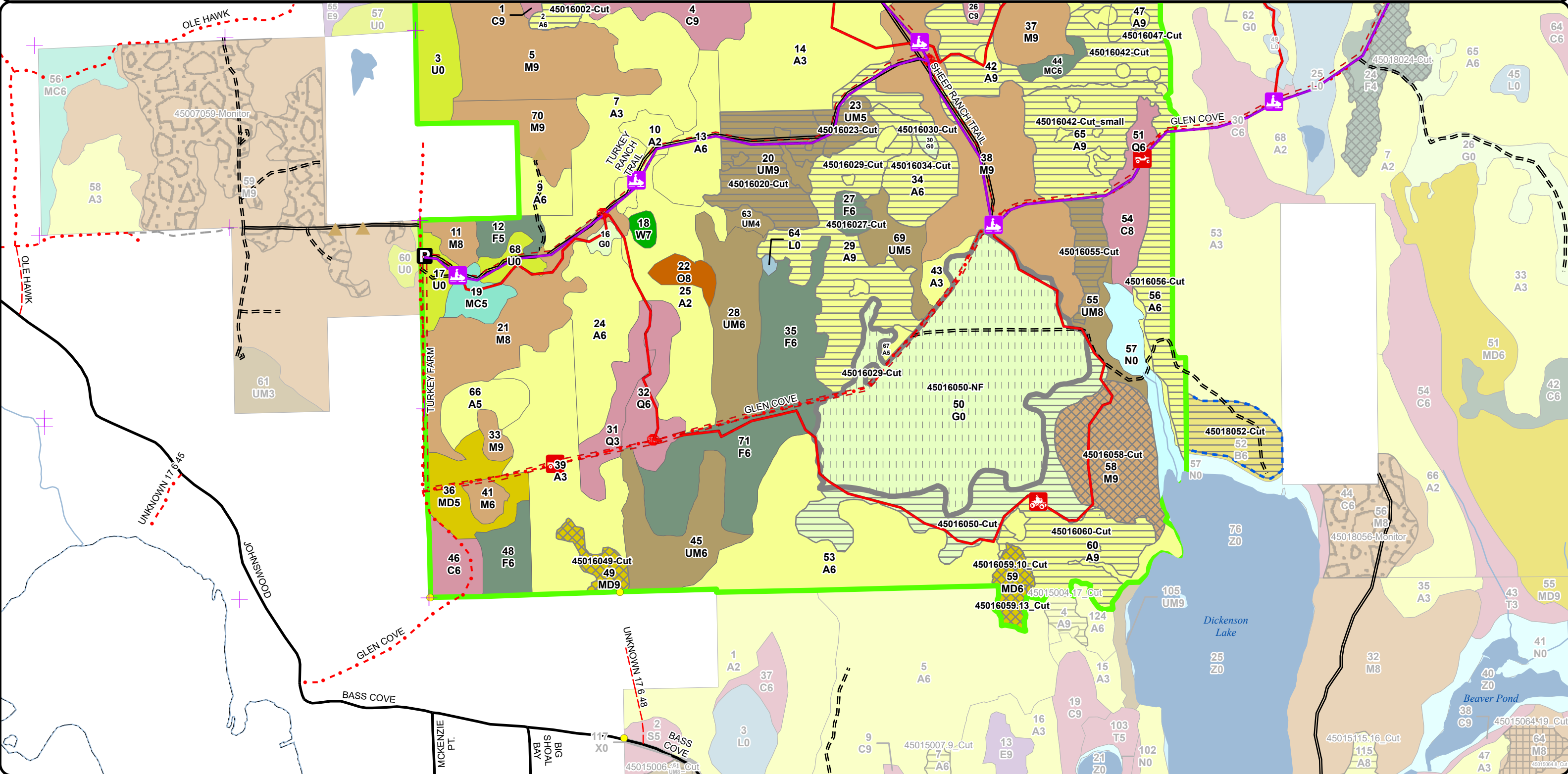
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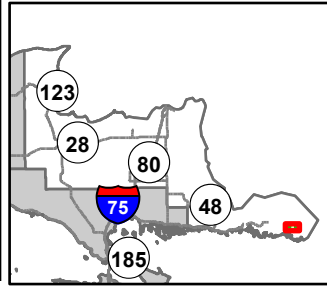
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Stand Boundary Map



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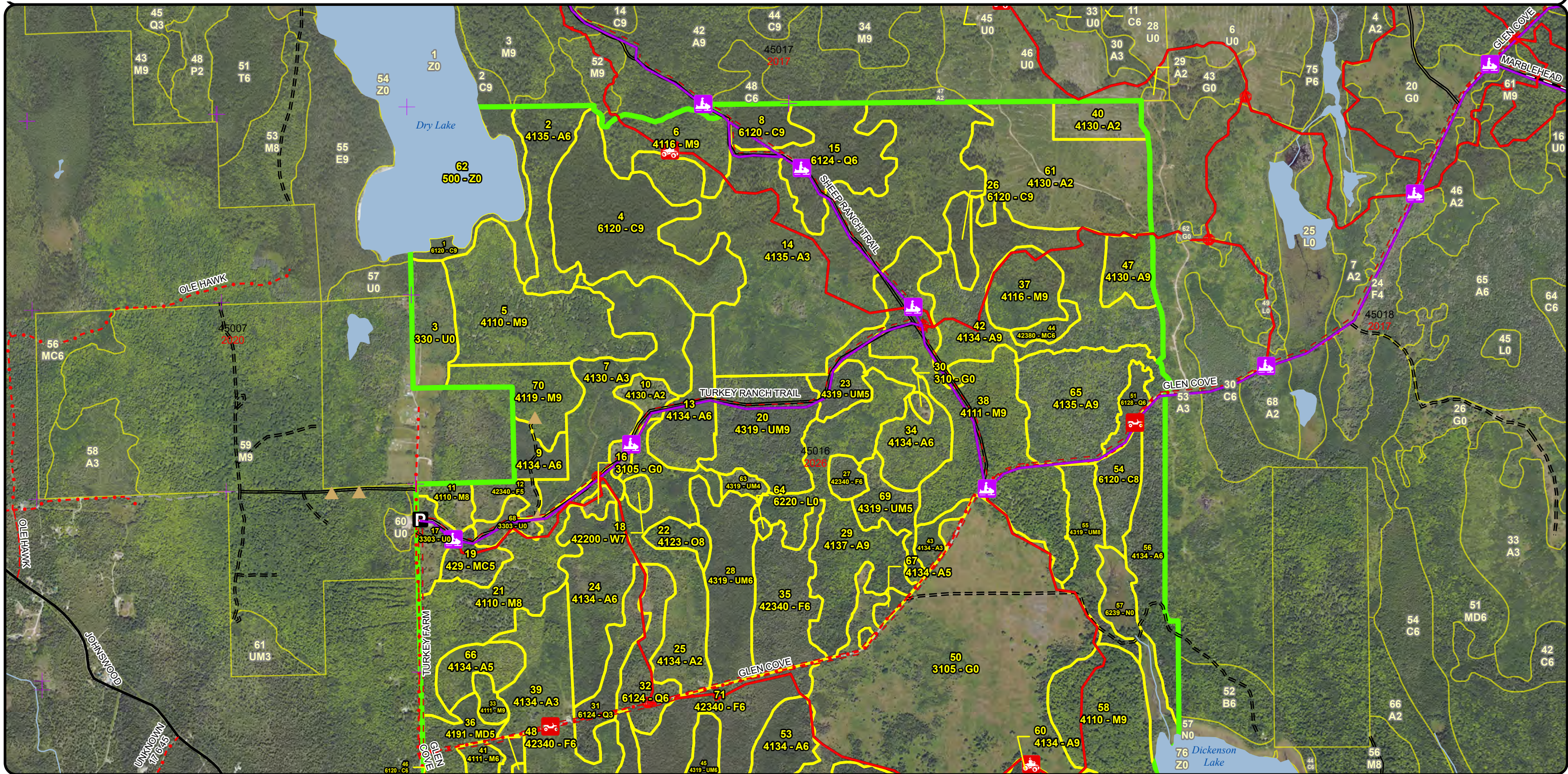
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- Parking Lot
- Sign
- Remonumented Section Corners
- ORV Trails
- ORV Routes
- Snowmobile Trails

- Designated ORV Routes
- Designated ATV Trails
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)

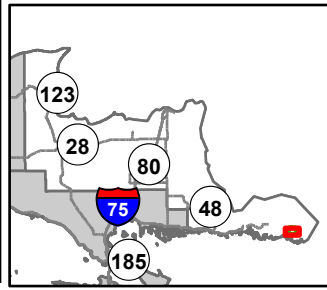
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- Stand Boundaries

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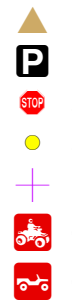
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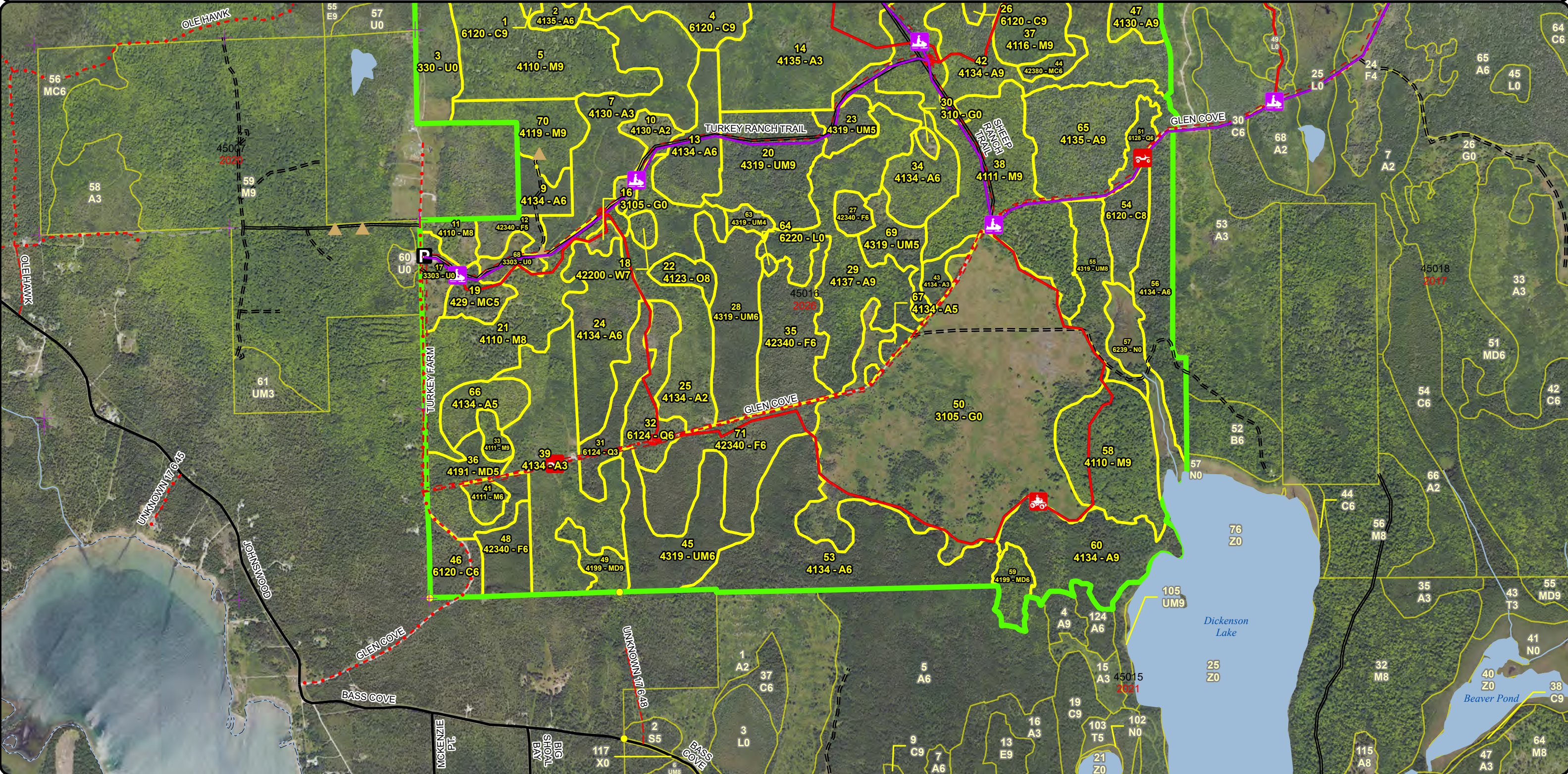
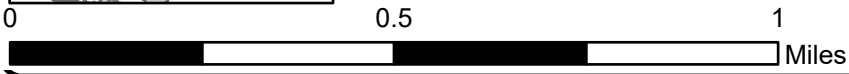


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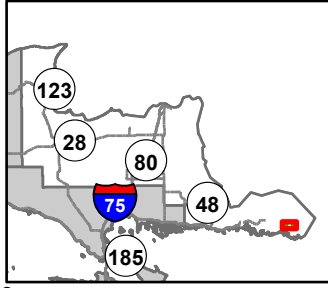
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Special Conservation Areas & Site Conditions Map

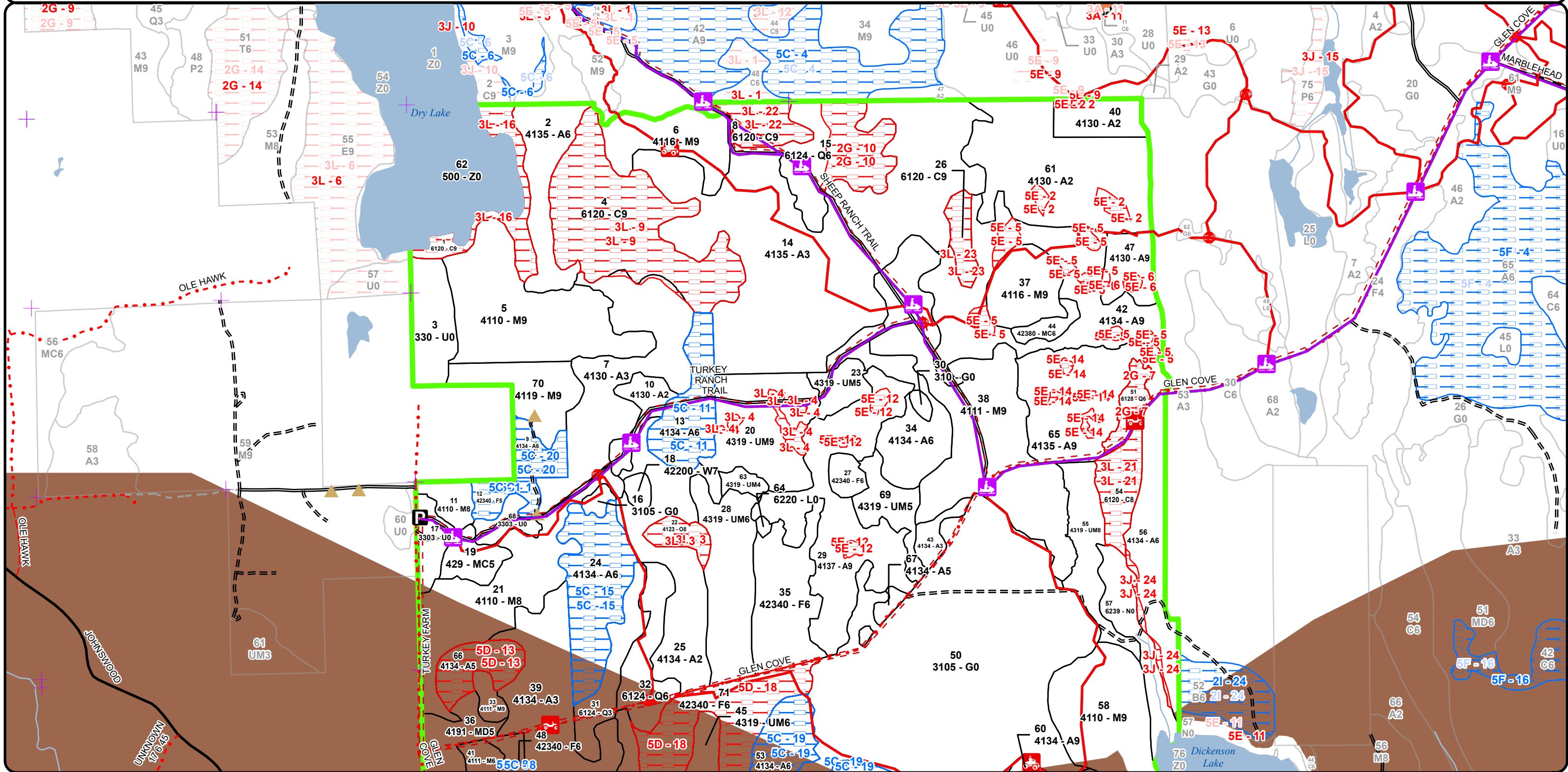
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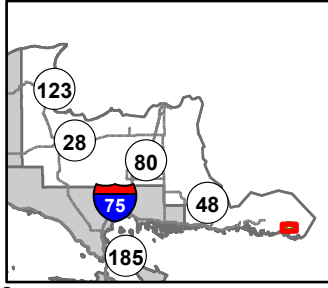
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- SCA
- Available w/ Constraints

- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2I: Survey needed
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Deer Winter Range
- Other Habitat Area



Special Conservation Areas & Site Conditions Map

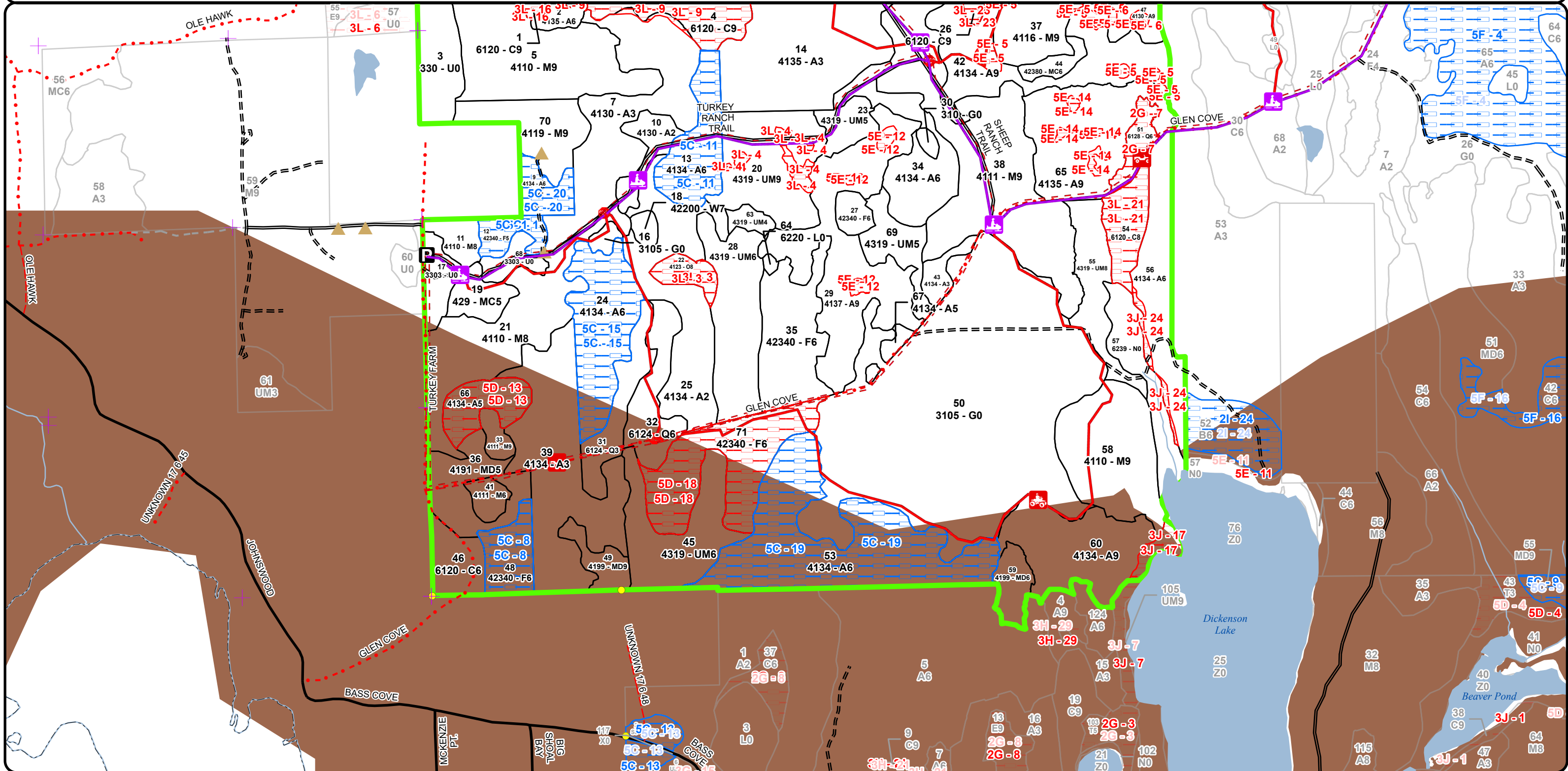
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Report 1 – Total Acres by Cover Type and Age Class



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	108	280	121	0	11	163	0	17	296	3	76	0	0	0	0	0	0	1074
Cedar	0	0	0	0	0	0	0	0	0	15	17	0	9	112	0	0	0	0	153
Herbaceous Openland	257	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	257
Low-Density Trees	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Lowland Conifers	0	0	0	44	0	0	0	0	0	41	9	0	0	0	0	0	0	0	94
Lowland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Marsh	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Mixed Upland Deciduous	0	0	0	0	0	0	36	0	0	11	0	0	0	0	0	0	0	0	46
Northern Hardwood	0	0	0	0	0	0	0	0	6	202	0	8	161	5	0	0	0	0	382
Oak	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Upland Conifers	0	0	0	0	0	0	0	11	0	0	0	0	6	0	0	0	0	0	17
Upland Mixed Forest	0	0	0	0	0	0	41	50	0	21	70	0	0	0	0	0	0	0	182
Upland Spruce/Fir	0	0	0	0	0	0	104	0	0	9	6	0	0	0	0	0	0	0	119
Water	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
Total	379	108	280	165	0	11	344	61	23	595	105	92	176	117	0	4	0	0	2458



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 16
Total Compartment Acres: 2,459

Commercial Harvest - 592
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	342	0	0	0	0	0	0	0	0	342
Herbaceous Openland	59	0	0	0	0	0	0	0	0	59
Lowland Conifers	19	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	20	0	0	0	0	0	0	0	20
Northern Hardwood	0	80	0	0	0	0	0	0	0	80
Upland Mixed Forest	66	0	0	0	0	0	0	0	0	66
Upland Spruce/Fir	6	0	0	0	0	0	0	0	0	6
Total	492	100	0	0	0	0	0	0	0	592

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	592	0	0	0	0	0	0	195	0	787
Next Step	0	51	0	0	195	195	592	102	0	1135
Total	592	51	0	0	195	195	592	102	195	1922



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

6	45016006-Cut	28.9	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	110	81-110	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Uneven-Aged	No
<p><u>Prescription</u> Thin the stand to 70 BA focusing on promoting hardwood growth over aspen regeneration to benefit black bear, deer, and migratory birds.</p> <p><u>Specs:</u> Do not cut all aspen and do not thin aspen heavy enough to promote regeneration of it. Thin from above where possible to release quality pole timber. Maintain species diversity for wildlife food and cover resources by not cutting oak, cedar, pine, or other underrepresented, desirable species.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is moderately to fully stocked sugar maple with a mix of other present species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
15	45016015-Cut	18.7	6124 - Lowland Spruce-Fir	Poletimber Well	80	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clear cut all trees 2" and up at DBH except white pine, yellow birch, hemlock, and oak to maintain early successional habitat for deer, hare, grouse, and other species. Exclude areas of heavy cedar if they exist to maintain cover and diversity. Retention will be the remainder of the stand uncut.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderate to fully stocked spruce, fir, aspen, birch, cedar, tamarack, and white pine.</p> <p><u>Other Comment:</u> Treatment line is drawn approximatley where operable ground and merchantable timber exists. Expand boundary where able based on ground conditions and exclude areas that are too wet. Final size and shape may vary.</p> <p>Dry summer or frozen conditions needed for operations.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
23	45016023-Cut	10.3	4319 - Mixed Upland Forest	Poletimber Medium	69	51-80	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Cut all species 2" and up except cedar, pine, oak, hemlock, and yellow birch if found to maintain early successional habitat for deer, grouse, hare, and other species. No retention due to size.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderate to fully stocked aspen, spruce, fir, paper birch, and sugar maple.</p> <p><u>Other Comment:</u> Have the logger cut dead balsam fir is its still standing by the time of harvest.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</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
30 45016030-Cut	2.0	310 - Herbaceous Openland	Nonstocked		Unspecified	Harvest	Clearcut	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> clear cut all trees 2" and up to maintain this stand as an unforested opening. Don't cut oak, pine, cedar, yellow birch, or hemlock if present.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> none</p> <p><u>Other Comment:</u> No retention because of opening maintenance.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
34 45016034-Cut	31.8	4134 - Aspen, Spruce/Fir	Poetimber Well	86	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Cut all trees which are 2" and up at DBH to maintain early successional habitat for deer, grouse, and hare. Do not cut any cedar, oak, hemlock, yellow birch, or pine to encourage diversity. 3-10% patch retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderate to fully stocked aspen, spruce, fir, paper birch, and maple.</p> <p><u>Other Comment:</u> Do not delay treatment for green up concerns due to the declining nature of the aspen. Focus retention along the clearcut boundary (stand 29).</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
42 45016042-Cut	67.1	4134 - Aspen, Spruce/Fir	Sawtimber Well	86	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2" and up at DBH to maintain early successional habitat for deer, grouse, hare, and other wildlife. Do not cut hemlock, pine, oak, or yellow birch if present to retain diversity. Retention should be around vernal ponds and wet portions of the stand, especially the area in the north eastern corner. Additionally stay out of areas of heavy cedar to maintain cover patches and diversity..</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderate to fully stocked aspen, birch, maple, cedar, spruce, and fir.</p> <p><u>Other Comment:</u> Treatment boundary is drawn to show approximate locations of retention areas. Do not delay this treatment for green up concerns due to the declining nature of the aspen.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</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
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47	45016047-Cut	13.5	4130 - Aspen	Sawtimber Well	86	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all trees 2" and up at DBH. Do not cut hemlock, yellow birch, pine, or oak if they are present. Retention should be around the possible vernal ponds. Treatment shape reflects retention.
Specs:

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

Acceptable Moderate to fully stocked aspen, birch, maple, or other upland species.
Regen:

Other Do not delay treatment for green up concerns because of the declining nature of the aspen.
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

49	45016049-Cut	9.8	4199 - Other Mixed Upland Deciduous	Sawtimber Well	55	81-110	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven-Aged	No
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Prescription Thin stand to 70 BA focusing on thinning from above where able to release pole timber and enhance diversity for deer, bear, grouse, and migratory birds. Cut all aspen to create a couple regeneration gaps. Do not cut underrepresented species like oak, pine, hemlock, or yellow birch if found to maintain diversity.
Specs:

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Moderate to fully stocked sugar maple and other present species.
Regen:

Other Winter cut for deer yard.
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

50	45016050-Cut	57.2	3105 - Mixed Upland Herbaceous	Nonstocked		Unspec ified	Harvest	Clearcut	3105 - Mixed Upland Herbaceous		No
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Prescription Cut all trees 2" and up at DBH. This cut is for opening maintenance for sharp-tailed grouse, deer break-out area, and other wildlife.
Specs:

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

Acceptable none
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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
50 45016050-NF	195.2	3105 - Mixed Upland Herbaceous	Nonstocked		Unspecified	NonForestMgt	Brush Cutting	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Cut large trees and shrubs to maintain the area as an opening for sharp-tailed grouse, deer break-out area, and other wildlife.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Burn, Opening; Pesticide, Other - Specify</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> none</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 /2025</p>										
56 45016056-Cut	34.9	4134 - Aspen, Spruce/Fir	Poletimber Well	80	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2" and up at DBH to maintain early successional habitat for grouse, woodcock, hare, and deer. Buffer open water wetlands by 100' and leave a 50' wildlife corridor along other wetland edges. Exclude low swales that crosscut the stand. The treatment boundary reflects these exclusion. They will also act as retention. Do not cut cedar, oak, pine, hemlock, or yellow birch if found to maintain diversity.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> moderate to fully stocked aspen with paper birch, sugar maple, spruce, and fir.</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 /2025</p>										
58 45016058-Cut	51.0	4110 - Sugar Maple Association	Sawtimber Well	110	81-110	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Even-Aged	No
<p><u>Prescription</u> Thin the stand to 60 BA throughout and create canopy gaps where desirable advanced regeneration exists using the gap guidance to encourage maple recruitment to diversify the stand for deer, bear, hawks, and other species. Expand existing gaps when possible. Avoid thinning areas with low BA and avoid releasing beech brush. Utilize leave top guidance from MWR to protect regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); Other, Pre-Commercial Thinning - Hand; Other, Pre-Commercial Thinning - Mechanical;</p> <p><u>Treatments:</u> SitePrep, Scarification</p> <p><u>Acceptable</u> Moderate to fully stocked sugar maple and other present species.</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 /2025</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
52 45018052-Cut	24.3	4193 - Birch, Aspen	Poletimber Well	66	51-80	Harvest	Clearcut with Retention	4193 - Birch, Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees 2" and up at DBH. Do not cut any cedar, oak, pine, hemlock, or yellow birch if present. Buffer open water by 100' or leave a 50' corridor along wetland edges. Treatment reflects a 50' wildlife corridor that will act as retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderate to fully stocked paper birch, aspen, sugar maple, spruce, and fir.</p> <p><u>Other Comment:</u> Survey needed for blue line and trespass issues. Out of year of entry treatment</p> <p>Winter cut for deer yard.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										

Approved Treatments:

2 45016002-Cut	30.2	4135 - Aspen, Cedar	Poletimber Well	89	Unspecified	Harvest	Clearcut with Retention	4135 - Aspen, Cedar	Even-Aged	No
<p><u>Prescription</u> Harvest all species except cedar, pine, and hemlock and oak if any occur in stand. Do not reach into cedar pockets. Use mature species for boundary as retention. Treatment will benefit grouse, deer, and other species. May need seasonal restrictions and a buffer at south end.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Present species accepted.</p> <p><u>Other Comment:</u> Old next step comments: Check for regen according to work instructions, present species acceptable.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
20 45016020-Cut	41.4	4319 - Mixed Upland Forest	Sawtimber Well	97	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species except cedar, maple, pine, hemlock, and oak if any occur in stand, retain cedar groves by creating a mosaic of sale boundary lines, especially in the southeastern portion of the stand where adjacent to stand 29. Mix of young growth and mature trees will benefit grouse, deer, bear, and other species.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Present species accepted.</p> <p><u>Other Comment:</u> Old next step comments: Check for regen according to work instructions, present species acceptable.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</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
27 45016027-Cut	6.0	42340 - Upland Spruce/Fir	Poletimber Well	94		Harvest	Clearcut with Retention	42340 - Upland Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Harvest all species except cedar, pine, hemlock, and oak if any occur in stand. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Present species accepted. <u>Regen:</u></p> <p><u>Other</u> Old next step comments: Check for regen according to work instructions, present species acceptable. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
29 45016029-Cut	73.1	4137 - Aspen, Birch	Sawtimber Well	100	Unspecified	Harvest	Clearcut with Retention	4137 - Aspen, Birch	Even-Aged	No
<p><u>Prescription</u> Harvest all species except cedar, pine, oak, and hemlock if any occur in stand to encourage young deciduous growth for ruffed grouse and other species. Leave a few pockets of mature trees representative of the stand, and use mature species for boundary as retention. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Present species accepted. <u>Regen:</u></p> <p><u>Other</u> Old next step comments: Check for regen according to work instructions, present species acceptable. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
65 45016042-Cut_small	49.9	4135 - Aspen, Cedar	Sawtimber Well	86	Unspecified	Harvest	Clearcut with Retention	4135 - Aspen, Cedar	Even-Aged	No
<p><u>Prescription</u> Harvest all species except cedar, oak, hemlock, maple, and pine if any occur in stand to provide young early successional habitat for ruffed grouse, deer, hare, and other species. Leave a few small patches of mature trees for diversity & budding trees, and use mature trees for boundary as retention. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Present species accepted. <u>Regen:</u></p> <p><u>Other</u> Old next step comments: Check for regen according to work instructions, present species acceptable. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
55 45016055-Cut	14.3	4319 - Mixed Upland Forest	Sawtimber Medium	93	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species except cedar, oak, hemlock, maple, and pine if any occur in stand to provide young early successional habitat for ruffed grouse, deer, hare, and other species. Use mature trees for boundary as retention. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Present species accepted. <u>Regen:</u></p> <p><u>Other</u> Old next step comments: Check for regen according to work instructions, present species acceptable. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</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
59 45016059.10_Cut	5.5	4199 - Other Mixed Upland Deciduous	Poletimber Well	81	51-80	Harvest	Group Selection	4199 - Other Mixed Upland Deciduous	Two-Aged	No
<p><u>Prescription</u> Remove all aspen and birch from the stands and thin the hardwoods to 70 basal area. Winter cut Dec.1 to March 31 for wintering deer.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regen includes aspen, birch, maple, oak, spruce, fir and pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
59 45016059.13_Cut	5.0	4199 - Other Mixed Upland Deciduous	Poletimber Well	81	51-80	Harvest	Group Selection	4199 - Other Mixed Upland Deciduous	Two-Aged	No
<p><u>Prescription</u> Remove all aspen and birch from the stands and thin the hardwoods to 70 basal area. Winter cut Dec.1 to March 31 for wintering deer.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regen includes aspen, birch, maple, oak, spruce, fir and pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
60 45016060-Cut	41.3	4134 - Aspen, Spruce/Fir	Sawtimber Well	81	Unspecified	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Harvest all species except cedar, oak, hemlock, maple, and pine if any occur in stand to provide young early successional habitat for ruffed grouse, hare, and other species. Leave a few small patches of mature trees for diversity & budding trees, and use mature trees for boundary as retention. Leave out wet areas, and buffer the lake. Winter cut due to deer wintering complex.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Present species accepted.</p> <p><u>Other Comment:</u> Old next step comments: Check for regen according to work instructions, present species acceptable.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Total Treatment 811.4
Acreage Proposed:

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Kenny Fanelli : Examiner

Compartment: 16

Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions						
Acres	Available	With Condition	Not Available	5C	2G	3J	3L	5D	5E	
1074	852	173	49	Aspen	173		8	1	17	23
153	16	0	138	Cedar				138		
257	257	0	0	Herbaceous Openland						
41	41	0	0	Low-Density Trees						
93	62	0	31	Lowland Conifers		31				
1	1	0	0	Lowland Shrub						
23	23	0	0	Marsh						
46	46	0	0	Mixed Upland Deciduous						
382	382	0	0	Northern Hardwood						
8	0	0	8	Oak				8		
17	17	0	0	Upland Conifers						
183	178	0	5	Upland Mixed Forest				5		
119	44	26	50	Upland Spruce/Fir	26				50	
57	57	0	0	Water						
4	4	0	0	White Pine						
2,459	1,980	199	280	Total Forested Acres	199	31	8	152	66	23
	81%	8%	11%	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	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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3	Unavailable	3L: Other wildlife concerns	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3L: Other wildlife concerns	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Pockets of dense cedar that will serve as retention for this treatment.							
5	Unavailable	5E: Long-Term Retention	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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9	Unavailable	3L: Other wildlife concerns	81	5F: Evaluated for Forest Health Considerations	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments: Cedar cutting restraints							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5D: Unproductive Forest Land	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Compartment: 16

Year of Entry: 2026

15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3L: Other wildlife concerns	18	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Shoreline buffer and cedar cutting restraints							
17	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5D: Unproductive Forest Land	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	93	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

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Compartment: 16

Year of Entry: 2026

21	Unavailable	3L: Other wildlife concerns	17	5F: Evaluated for Forest Health Considerations	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments: Cedar cutting restraints							
22	Unavailable	3L: Other wildlife concerns	14	5F: Evaluated for Forest Health Considerations	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments: Cedar cutting restraints							
23	Unavailable	3L: Other wildlife concerns	9	5F: Evaluated for Forest Health Considerations	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments: Cedar cutting restraints							
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	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	Great Lakes Islands	Great Lakes Islands provide significant habitat for numerous species, including many rare plants and animals, several of which are endemic or largely restricted to the Great Lakes region. Due to their isolation, islands provide good examples of many Great Lakes-associated natural communities and ecosystems, and thus have potential to provide insights for understanding the consequences of human disturbance on the increasingly fragmented ecosystems of the mainland.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	6120 - Lowland Cedar	Sawtimber Well	18.3	127		N/A	Strip of cedar bordering Dry lake.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	60	Log/Pole	11	127
White Spruce	15	Log/Pole	11	
Balsam Fir	10	Pole	6	
Balsam Poplar	5	Log/Pole	10	
Quaking Aspen	5	Log/Pole	10	
Paper Birch	5	Pole	8	

2	4135 - Aspen, Cedar	Poletimber Well	30.2	89	Unspecified	N/A	Mature stand with large diameters aspen and cedar groves.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	5	Log/Pole	10		Deciduous Shrubs	Medium	Variable	Tall Shrub
Balsam Fir	5	Pole	8					
White Spruce	5	Log/Pole	10					
Bigtooth Aspen	25	Log/Pole	12					
Sugar Maple	5	Pole	8					
Quaking Aspen	35	Log/Pole	12	89				
Northern White Cedar	20	Log/Pole	11					

3	330 - Low-Density Trees	Nonstocked	22.8			No	South part looks cultivated or mowed like it is being used by private land owner. Illegal ORV trail north to blind, then up to Dry Lake.
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4	6120 - Lowland Cedar	Sawtimber Well	79.5	127	141-170	N/A	Typical cedar stand
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	60	Log/Pole	11	127	Balsam Fir	Trace	Variable	Sapling
Paper Birch	5	Pole	7					
Quaking Aspen	5	Pole	7					
Balsam Fir	10	Pole	8					
Balsam Poplar	10	Log/Pole	10					
White Spruce	10	Log/Pole	11					

5	4110 - Sugar Maple Association	Sawtimber Well	71.4	85	81-110	N/A	BA is low in spots and high in others. Not much coming into the gaps created by the beech salvage except beech and raspberry.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	5	Log/Pole	10		Deciduous Saplings	Medium	Variable	Sapling
Bigtooth Aspen	5	Log	10					
Sugar Maple	85	Log	13	85				
Paper Birch	5	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
6	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	28.9	110	81-110	N/A	This is an aspen and hardwood mixed stand. Only a couple percent of canopy composition makes it an M9 v A9 v MD9. The aspen is mature and falling out in spots. The hardwood BA in areas is high. There are a lot of young maple poles and good advanced regeneration underneath the aspen.																																									
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7	4130 - Aspen	Sapling Well	63.2	25	Immature	N/A	Regen is good. Cut in East Turkey Ranch Aspen 008-96. Completed in 1999.																																									
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8	6120 - Lowland Cedar	Sawtimber Well	14.5	120	111-140	N/A	Cedar stand that is has decently dry ground on the west end but gets wetter towards the east. Areas of blow down. I hears water flowing underground in a couple different spots.																																									
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9	4134 - Aspen, Spruce/Fir	Poletimber Well	10.9	49	111-140	N/A	Decent aspen stand. Was previously typed as an F stand. Has dense balsam fir in understory. Aspen ranges from 3-8 inches throughout.																																									
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10	4130 - Aspen	Sapling Medium	11.3	3	Immature	N/A	Aspen has filled in some areas but other remain unforested. Meets minimum specs for a forested stand. Some mature white pine, birch and cedar remain. Stand was cut in spring of 2020 as part of Sheep Ranch Beech and SBW.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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11	4110 - Sugar Maple Association	Sawtimber Medium	8.3	101	51-80	N/A	Following the cut it's mostly sugar maple remaining in the overstory. Areas that had heavy beech in the east side of the stand look more like a clearcut and have aspen growing in. Beech was salvaged from this stand in the spring of 2020 as part of Sheep Ranch Beech and SBW.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Hemlock	1	Log	15			White Spruce	Low	Variable	Sapling	
White Pine	1	XLog	18			Blackberry/Raspberry	Medium	5 - 10 feet	Tall Shrub	
Balsam Fir	5	Pole	6			Quaking Aspen	Medium	5 - 10 feet	Sapling	
Ironwood	5	Pole	6			Beech	High	Variable	Sapling	
Paper Birch	5	Log	10			Balsam Fir	Low	Variable	Sapling	
Northern White Cedar	2	Log	10							
Yellow Birch	1	Pole/Log	9							
Sugar Maple	80	Log/Pole	10	101						

12	42340 - Upland Spruce/Fir	Poletimber Medium	9.4	84	1-50	N/A	Low quality spruce/fir growing on rock. Potential for spruce budworm here, some trees look like they've had it.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch	5	Pole/Sapling	5			White Spruce	High	Variable	Sapling	
Balsam Fir	15	Pole/Sapling	5			Balsam Fir	High	Variable	Sapling	
White Spruce	55	Pole/Sapling	5	84		Juniper	Trace	< 5 feet	Tall Shrub	
Quaking Aspen	20	Pole/Sapling	5							
White Pine	5	Pole	6							

13	4134 - Aspen, Spruce/Fir	Poletimber Well	27.1	51	51-80	N/A	Small pole stand of aspen and fir.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Spruce	10	Pole/Sapling	5			Balsam Fir	Low	Variable	Sapling	
Balsam Fir	15	Pole/Sapling	5			Deciduous Saplings	Low	Variable	Sapling	
Bigtooth Aspen	10	Pole/Sapling	6							
Quaking Aspen	60	Pole/Sapling	6	51						
Balsam Poplar	5	Pole/Sapling	5							

14	4135 - Aspen, Cedar	Sapling Well	204.3	13	Immature	N/A	Aspen is 15-20' on average. Mature cedar and white line scattered around. Cut in Turkey Ranch Timber 45-007-06. Sale completed in 2012			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Poplar	10	Sapling	2							
Northern White Cedar	20	Pole	6							
Balsam Fir	10	Sapling	2							
Bigtooth Aspen	10	Sapling	3							
White Spruce	10	Sapling	2							
Quaking Aspen	40	Sapling	3	13						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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15	6124 - Lowland Spruce-Fir	Poletimber Well	40.9	80	51-80	N/A	Stand is higher ground near the road, slopes down to lower to the east. Previous inventory indicated stand was at a Q6																																																				
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16	3105 - Mixed Upland Herbaceous	Nonstocked	3.0			No	
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17	3303 - Mixed Low Density Trees	Nonstocked	11.0			No	This opening is the site of the old Johnswood settlement. Filling in with spruce, open grown white pine and birch. Lots of juniper.
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18	42200 - Natural White Pine	Sawtimber Poor	3.6	140	1-50	N/A	Scattered large white pine with sugar maple saplings underneath. Well in its way to a two aged stand.																																	
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19	429 - Mixed Upland Conifers	Poletimber Medium	11.2	61	51-80	N/A	Stand was part of a sbw sale last entry but most of it went uncut. Only the edges looked like they were cut. What's left is largely pole sized white pine and spruce. Stand was cut in the spring of 2020 as part of Sheep Ranch Beech and SBW.																																						
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20	4319 - Mixed Upland Forest	Sawtimber Well	46.4	97	81-110	N/A	Snowmobile trail through stand, mix of very mature aspen and cedar.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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21	4110 - Sugar Maple Association	Sawtimber Medium	57.7	110	51-80	N/A	Stand is nearly pure sugar maple with some cedar and hemlock. Probably best to let this stand recover from the beech salvage for quite awhile. There are a few sugar maple saplings among the beech brush. Old rock fence along the north border. The beech was salvaged from this stand in the spring of 2020 as part of Sheep Ranch Beech and SBW			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Yellow Birch		3	Pole	8		Blackberry/Raspberry		Low	< 5 feet	Tall Shrub
Red Oak		3	XLog/Log	18		Sugar Maple		Low	Variable	Sapling
Beech		1	Log	13		Beech		High	Variable	Sapling
Paper Birch		3	Pole/Log	8						
Ironwood		2	Pole/Sapling	5						
Hemlock		3	XLog/Log	18						
Sugar Maple		82	Log/Pole	10	110					
Northern White Cedar		3	Pole	6						

22	4123 - Red Oak	Sawtimber Medium	7.9	106	51-80	N/A	Small grove of large crowned oak. Understory is mostly ironwood with some maple. Some of the understory maple is pole sized.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		95	Log	12	106	Ironwood		High	Variable	Sapling
Sugar Maple		5	Log/Pole	10		Sugar Maple		Medium	Variable	Sapling
						Beech		Low	Variable	Sapling

23	4319 - Mixed Upland Forest	Poletimber Medium	10.3	69	51-80	N/A	A significant amount of balsam fir has died out of this stand since last entry due to spruce bud worm. Many live trees are still infested. There's a small component of aspen doing well. Stand is mostly upland.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		25	Pole	8		Balsam Fir		Low	Variable	Sapling
Northern White Cedar		5	Log	11		Sugar Maple		Low	Variable	Sapling
Quaking Aspen		35	Pole	9	69					
Paper Birch		10	Pole	9						
White Spruce		25	Log/Pole	11	88					

24	4134 - Aspen, Spruce/Fir	Poletimber Well	42.3	52	111-140	N/A	Some nice aspen in the south east but overall diameters are still small. Stand could grow for another 10 years.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		5	Pole	6		Balsam Fir		Medium	Variable	Sapling
Quaking Aspen		60	Pole	6	52					
Balsam Fir		10	Pole	6						
Paper Birch		5	Pole	6						
White Spruce		10	Pole	6						
Bigtooth Aspen		10	Pole	7						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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25	4134 - Aspen, Spruce/Fir	Sapling Medium	51.2	25	Immature	N/A	Aspen regeneration is dense but small still for its age. Areas of dense spruce fir. Cut in Sheep Ranch Strip 007-96. Completed in 1999
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	15	Sapling	2	
Quaking Aspen	45	Sapling	2	25
Balsam Fir	10	Sapling	2	
White Spruce	20	Pole	5	
Sugar Maple	2	Pole	6	
Paper Birch	5	Sapling	2	
Red Oak	3	Pole	6	

26	6120 - Lowland Cedar	Sawtimber Well	8.8	112	141-170	N/A	Low cedar stand. All the run off from the surrounding stands drains to here. Lots of blown down trees throughout.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole	6	
Paper Birch	5	Pole	7	
Northern White Cedar	80	Log/Pole	11	112
White Spruce	5	Pole/Log	9	
Quaking Aspen	5	Log	10	

27	42340 - Upland Spruce/Fir	Poletimber Well	6.0	94		N/A	Pocket of low quality conifer between stands 29 and 31. Stand is currently on contract for harvesting.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Pole	6	
Quaking Aspen	10	Pole	6	
Balsam Fir	40	Pole	6	
White Spruce	40	Pole	6	94

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

28	4319 - Mixed Upland Forest	Poletimber Well	41.4	52	51-80	N/A	Some trees are pole sized but the stand is still thick with sapling conifers.
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	15	Pole/Sapling	5	
Balsam Fir	25	Pole/Sapling	5	
Quaking Aspen	25	Pole	5	52
Tamarack	5	Pole/Sapling	5	
White Spruce	25	Pole/Sapling	5	
Paper Birch	5	Pole/Sapling	5	

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



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29 4137 - Aspen, Birch Sawtimber Well 76.1 100 Unspecified N/A Spruce and balsam mostly at the south end, stand pure aspen, birch, maple.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	25	Log	10	100
Bigtooth Aspen	25	Log/Pole	11	
Paper Birch	30	Log	10	100
Balsam Fir	5	Pole	8	
White Spruce	5	Log/Pole	11	
Sugar Maple	10	Pole/Sapling	5	

30 310 - Herbaceous Openland Nonstocked 2.0 Unspecified Managed Opening

31 6124 - Lowland Spruce-Fir Sapling Well 20.2 25 Immature N/A Low areas but some upland qualities. Spruce fir and aspen. Looks like it was a dirty cut with lots of scattered mature trees remaining.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	30	Sapling	3	25
Balsam Fir	20	Sapling	3	
Black Spruce	10	Sapling	3	
Northern White Cedar	10	Pole/Sapling	6	
Tamarack	10	Sapling	3	
Quaking Aspen	20	Pole/Sapling	5	

32 6124 - Lowland Spruce-Fir Poletimber Well 23.4 25 Immature N/A Stand was cut over a couple decades ago. Left behind scattered mature spruce and cedar. Regeneration is dense but still very small. Aspen spruce, fir, and occasionally cedar. Hard to say if it is upland or lowland.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	20	Pole/Sap/Log	6		Northern White Cedar	Low	Variable	Sapling
Paper Birch	5	Sapling	2		Balsam Fir	High	Variable	Sapling
Balsam Fir	10	Sapling/Pole	3		White Spruce	Medium	Variable	Sapling
White Spruce	40	Sapling/Pole/Log	4	25				
Quaking Aspen	25	Sapling/Pole	3					

33 4111 - S.Maple, Hard Mast Association Sawtimber Well 5.2 121 81-110 N/A BA is variable from 70-110. Low quality hardwood due to rocky soil. Some live mature beech still. Lots of pole sized maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	25	Pole	8	73	Beech	Full	10 - 20 feet	Sapling
Sugar Maple	45	Log	15	121	Pin Cherry	Medium	Variable	Sapling
Beech	5	Log	14		Sugar Maple	Trace	Variable	Sapling
Red Oak	10	Log	12					
Quaking Aspen	10	Log	10					
Paper Birch	5	Log	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
34	4134 - Aspen, Spruce/Fir	Poletimber Well	31.8	86	81-110	N/A	Mostly mature aspen with a small mix of other species. Age of aspen is 75-90.																																																															
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35	42340 - Upland Spruce/Fir	Poletimber Well	38.1	50	Unspecified	N/A	Poor spruce and fir growing on rocky soils. Spruce bud worm is in the stand. Hard to see this stand ever becoming anything valuable.																																																															
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36	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	25.8	50	51-80	N/A	Split this stand from 66. Varying degrees of quality throughout. There are areas of sapling aspen or small poles and others of over mature aspen.																																																															
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37	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	22.9	110	51-80	N/A	Poor quality hardwood stand with pockets of young aspen and beech brush. Many of the mature hardwood has broken or dead tops.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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38	4111 - S.Maple, Hard Mast Association	Sawtimber Well	104.9	89	51-80	N/A	Low BA even in the part of the stand not cut since the '06 sale. There is some maple in the understory mixed in with the beech brush.																																																												
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Ironwood	Medium	Variable	Sapling																																																																

39	4134 - Aspen, Spruce/Fir	Sapling Well	76.1	14	Immature	N/A	Regenerating nicely. Trees are roughly 15' high. Cut in 2010 in Sheep Ranch Aspen 45-008-09																														
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Quaking Aspen	70	Sapling	2	14																																	

40	4130 - Aspen	Sapling Medium	15.3	4	Immature	N/A	Regeneration is a bit patchy still, 4 years post harvest but meets regeneration goals. Stand was cut in the summer of 2020 as part of Compartment Line Mix.																									
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Bigtooth Aspen	20	Sapling	1																													

41	4111 - S.Maple, Hard Mast Association	Poletimber Well	6.2	73	51-80	N/A	Small stand of hardwood. BA is a little low for selection cutting. Mostly poles. Small inclusions of cedar in the middle of the stand. Less than a quarter acre.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42	4134 - Aspen, Spruce/Fir	Sawtimber Well	78.2	86	51-80	N/A	Over mature aspen with balsam fir, spruce, and cedar. The heavier conifer is on the east side. Some pockets of dense cedar. Isolated areas of blow down where aspen is already regenerating. More very low quality sugar maple in the west.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		10	Log/Pole	11		Hazelnut (Spp.)	
Northern White Cedar		12	Log/Pole	10		Northern White Cedar	
Paper Birch		7	Pole	7		Quaking Aspen	
Quaking Aspen		36	Log	10	86	Sugar Maple	
Bigtooth Aspen		15	Log/Pole	11		Balsam Fir	
Sugar Maple		5	Pole	8			
Balsam Fir		15	Pole	8			
						Density	Avg. Height
						Low	5 - 10 feet
						Low	>20 feet
						Low	Variable
						Low	Variable
						Low	Variable
							Size
							Tall Shrub
							Pole
							Sapling
							Sapling
							Sapling

43	4134 - Aspen, Spruce/Fir	Sapling Well	6.5	24	Immature	N/A	Small aspen stand. Trees are still small for age.
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		20	Sapling	2			
Balsam Fir		10	Sapling	2			
White Spruce		10	Sapling	2			
Quaking Aspen		60	Sapling	2	24		

44	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	5.8	112	81-110	N/A	Pocket of cedar in stand 38.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		10	Pole	8		Conifers	
Northern White Cedar		50	Log/Pole	11	112	Deciduous Saplings	
Balsam Fir		10	Pole	7			
Paper Birch		10	Pole	6			
Balsam Poplar		5	Pole	8			
Quaking Aspen		15	Pole/Log	9			
						Density	Avg. Height
						Low	Variable
						Medium	Variable
							Size
							Sapling
							Sapling

45	4319 - Mixed Upland Forest	Poletimber Well	39.9	60	51-80	N/A	Stand is a mix of aspen and balsam fir. The balsam fir is infested with spruce budworm. Most of it is still alive but the crowns are visibly affected. Aged aspen at 55 and 65. Tree growth is greatly affected by shallow soils here.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		5	Pole	6		Balsam Fir	
Northern White Cedar		5	Pole	6			
Paper Birch		5	Pole	6			
Quaking Aspen		40	Pole	6	60		
Balsam Fir		40	Pole	6	52		
Balsam Poplar		5	Pole	6			
						Density	Avg. Height
						Medium	Variable
							Size
							Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
46	6120 - Lowland Cedar	Poletimber Well	15.1	89	Unspecified	N/A	Lowland cedar with a small mix of other species.																																																			
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47	4130 - Aspen	Sawtimber Well	15.2	86	51-80	N/A	Over mature aspen with a mid and understory of sugar maple. Nearly all birch has died and the stand wants to convert to maple.																																																			
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48	42340 - Upland Spruce/Fir	Poletimber Well	16.5	52	51-80	N/A	Very thick balsam fir with aspen mixed in.																																																			
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49	4199 - Other Mixed Upland Deciduous	Sawtimber Well	9.8	55	81-110	N/A	Stand looks like it was seed treed or at least picked through several decades ago. It's maple poles with scattered large mature sugar maples. Aged the poles at 50 and 60 years old. Almost no advanced regeneration but a few pocket of beech brush																																																			
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50	3105 - Mixed Upland Herbaceous	Nonstocked	252.4		Unspecified	Managed Opening	The Sheep Ranch, as it was in the old days. Stand was last burnt in May 2018.																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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51 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 8.6 93 N/A Very wet stand with few live trees. Dead ash and tamarack throughout.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	15	Pole	6					
Northern White Cedar	20	Pole/Log	8	93				
Tamarack	15	Pole	8					
Balsam Poplar	35	Pole	7	93				
Black Spruce	10	Pole	6					

53 4134 - Aspen, Spruce/Fir Poletimber Well 93.1 53 141-170 N/A Aspen of varying sizes throughout mixed with lots of spruce/fir. Some low areas with cedar. The fir, especially near the edges, shows signs of sbw.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Pole	6		Balsam Fir	High	Variable	Sapling
Paper Birch	10	Pole/Sap/Log	7					
Quaking Aspen	35	Pole/Sap/Log	8	53				
Bigtooth Aspen	20	Pole	8					
Balsam Fir	20	Pole	6					
Northern White Cedar	1	Pole	9					
White Spruce	12	Pole	6	53				

54 6120 - Lowland Cedar Sawtimber Medium 16.9 93 N/A Cedar stand with wet ground. Some mortality in the deciduous species and balsam fir.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	75	Log/Pole	11	93	Deciduous Shrubs	High	Variable	Tall Shrub
Tamarack	5	Pole	8		Balsam Fir	Low	Variable	Sapling
White Spruce	10	Log/Pole	11					
Black Spruce	5	Pole	8					
Balsam Fir	5	Pole	8					

55 4319 - Mixed Upland Forest Sawtimber Medium 24.1 93 51-80 N/A Sparse, scrubby and semi-open with cedar groves, but aspen and spruce are tall and mature, white birch dieing out, south end gets wet, leave for retention. The north half of the stand is on contract while the south half was retained due to lack of volume wetter ground.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	30	Log/Pole	10	93	Deciduous Shrubs	Low	Variable	Tall Shrub
Balsam Fir	20	Pole	8		Conifers	Low	Variable	Sapling
White Spruce	15	Log/Pole	11					
Northern White Cedar	10	Log/Pole	10					
Sugar Maple	5	Pole	8					
Paper Birch	5	Pole	8					
Bigtooth Aspen	15	Log/Pole	11					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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56	4134 - Aspen, Spruce/Fir	Poletimber Well	37.8	80	51-80	N/A	Mature and often widely spaced aspen with spruce and fir. Much of the fir is dying or already dead from spruce budworm.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	5	Log/Pole	12		Quaking Aspen	Low	>20 feet	Sapling
Balsam Poplar	10	Pole	8		White Spruce	Low	Variable	Sapling
Balsam Fir	5	Pole	6					
White Spruce	15	Log	11					
Sugar Maple	5	Pole	8					
Paper Birch	10	Pole	6					
Quaking Aspen	50	Log/Pole	12	80				

57	6239 - Mixed Emergent Wetland	Nonstocked	22.8			No	
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58	4110 - Sugar Maple Association	Sawtimber Well	51.0	110	81-110	N/A	Stand of hardwood with varying conditions. Some areas of low BA with very dense beech brush. Other areas of higher BA with park like conditions and maple seedlings. beech salvaged in 2010 Sheep Ranch Hardwood 45-003-06
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	80	Log	13	110	Sugar Maple	Medium	Variable	Seeding
White Spruce	5	Log/Pole	10		Beech	High	Variable	Sapling
Beech	5	Log/Pole	11		Balsam Fir	Low	Variable	Sapling
Paper Birch	5	Log/Pole	11					
Quaking Aspen	5	Log	10					

59	4199 - Other Mixed Upland Deciduous	Poletimber Well	10.5	81	51-80	N/A	Rocky knob, very scenic, birch dying out, becoming aspen/ maple with maple saps.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Pole	6	81	Deciduous Saplings	Low	Variable	Sapling
Paper Birch	20	Log/Pole	12					
Bigtooth Aspen	10	Log/Pole	10					
Quaking Aspen	20	Log/Pole	10					

60	4134 - Aspen, Spruce/Fir	Sawtimber Well	50.4	81	Unspecified	N/A	Mature with open patches , very scenic along the Sheep ranch.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	40	Log/Pole	10	81	Deciduous Saplings	Low	Variable	Sapling
Balsam Poplar	20	Pole	8		Deciduous Shrubs	Medium	Variable	Tall Shrub
Balsam Fir	10	Pole	6		Conifers	Low	Variable	Sapling
White Spruce	15	Log/Pole	10					
Sugar Maple	5	Pole	6					
Paper Birch	5	Pole	8					
Bigtooth Aspen	5	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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61	4130 - Aspen	Sapling Medium	81.0	6	Immature	N/A	Regeneration is a bit patchy still, 6 years post harvest but meets regeneration goals and green up. Stand was cut in the summer of 2018 as part of Compartment Line Mix.																									
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62	500 - Water	Nonstocked	57.0			No	
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63	4319 - Mixed Upland Forest	Poletimber Poor	4.3	85	1-50	N/A	An opening that has filled in with trees. This stand has bedrock at the surface and sits slightly higher than the surrounding area. Scattered conifer, birch, maple and aspen.
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64	6220 - Alder/willow	Nonstocked	1.0	0	Unspecified	No	
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65	4135 - Aspen, Cedar	Sawtimber Well	52.7	86	Unspecified	N/A	Currently on proposal D.I. Sheep Ranch. Over mature aspen, widely spaced aspen.																																																																																	
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66	4134 - Aspen, Spruce/Fir	Poletimber Medium	16.7	70	1-50	N/A	North of the road is alvar like ground with Serengeti aspen, birch, and fir.																																																						
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67	4134 - Aspen, Spruce/Fir	Poletimber Medium	2.7	90	51-80	N/A	Small stand of scattered mature aspen mixed with balsam fir, birch and maple. Lots of aspen saplings also																																															
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68	3303 - Mixed Low Density Trees	Nonstocked	7.6			No	This opening is the site of the old Johnswood settlement. Filling in with spruce, open grown white pine and birch. Lots of juniper.																																															
69	4319 - Mixed Upland Forest	Poletimber Medium	16.6	86	81-110	N/A	Cut out of stand 34 because the ground is much more rocky and the timber is significantly poorer quality. Aspen, spruce, and fir.																																															
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70	4119 - Mixed Northern Hardwoods	Sawtimber Well	25.8	85	81-110	N/A	Split this stand out of the larger hardwood stand to the north because it was not part of the beech salvage cut. Stand is a little more diverse with aspen and some beech still alive. BA is very variable. Areas of pole and sapling trees.																																															
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71	42340 - Upland Spruce/Fir	Poletimber Well	49.5	52	51-80	N/A	Thick with spruce and balsam. Hasn't grown much since last entry. Barely pole sized. Includes a couple acres of mature aspen along Glen Cove.																																															
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