



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45129

Entry Year 2027

Acreage: 1,515

County: Mackinac

Management Area: Seney Lake Plain

Stand Examiner: Christian Gabler

Legal Description:

T44N-R7W Sections 1, 12, & 13, Hendricks Township

Identified Planning Goals:

Compartment 45129 is located directly northeast of Fiborn Quarry. The east boundary is the Hiawatha National Forest, and the north boundary is the Chippewa/Mackinac County line. Adjacent to the south boundary is owned by Graymont LLC. The cover types across the compartment vary from lowland to upland types. Majority of the compartment has a cover type of cedar/spruce lowlands or mixed conifer, both upland and lowland. There are ridges and level to rolling uplands throughout carrying mixed conifer and pine cover types. Past management has focused on stands that provide adequate access. This entry, treatment prescriptions are shelterwood harvests in mature mixed conifer stands as well as clearcuts.

Soil and topography:

The predominant topography of the compartment is lowland consisting of bog and swamp conifer. The predominant soil in these types are Markey-Carbondale Muck and Histosols and Aquents (ponded). There are ridges scattered throughout the lowland and some higher areas of level to rolling land that is occupied by aspen, northern hardwood, and pine types. The soils in these areas include Spot-Finch complex, Paquin-Finch sands, Pullup sand, and Wallace sands.

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

Section 24 had 320 acres that was a detached piece of compartment 45129. The State of Michigan sold 160 of those acres to Graymont LLC in 2017 which they use for mineral extraction. The compartment was realigned so that the remaining acres would be combined with compartment 45128. The Hiawatha National Forest is along the entirety of the east boundary. The west is State of Michigan forest land. The north boundary is the FMU line between Naubinway and Newberry Management Units.

Unique Natural Features:

MNFI has in the past had noted great potential for occurrences of numerous flora and fauna species of concern within and around the compartment. This would include species of concern per MNFI notes.

Archeological, Historical, and Cultural Features:

There are karst features (caves and sinkholes) to the SW of the compartment. Fiborn Junction is located at the intersection of Fiborn Quarry Road (North end) and Canadian National Railroad. This was part of access to the Fiborn quarry in the past.

Special Management Designations or Considerations:

The Canadian National railroad runs SE/NW through the northern portion of the compartment in section 1. Any treatments (none this entry) north of the tracks require special permission and considerations to cross railroad.

Watershed and Fisheries Considerations:

Fisheries Concerns: The northern portion of the compartment drains to Quinn Creek of the Hendrie River watershed. Quinn Creek is not a designated trout stream but is classified as a cold-water transitional stream (mean July temperatures 63.5-67.1°F), meaning it can offer summer refuge habitat for cold water species. Standard BMP's should apply when working adjacent to surface water and wetland areas.

Wildlife Habitat Considerations:

This compartment is part of the Seney Lake Plain Management Area where featured wildlife species include American woodcock, Blackburnian warbler, American marten, red crossbill, spruce grouse, wood thrush, ruffed grouse, snowshoe hare, white-tailed deer, black bear, sharp-tailed grouse, and black-backed woodpecker. This is a diverse compartment composed of mixed forest, lowland and upland conifers, and some hardwood and aspen scattered throughout as well as some openings where tree density is low. Lowland conifers including cedar swamp as well as wetland are dominant in the southern and eastern part of the compartment. The northwestern portion contains mostly upland stands with aspen and hardwoods with conifers including white pine mixed in. Most of the compartment is part of a deer wintering complex. Harvests in wintering complex should generally take place during the winter months to benefit deer. Closed canopy conifer cover, especially cedar, should be maintained in wintering complex to provide cover for wintering deer. Mature trees and

mesic conifers should be maintained to benefit blackburnian warbler, marten, and other species. Black bear will benefit from the contiguous forest habitat and the diversity present. Wetlands will be protected.

Mineral Resource and Development Concerns and/or Restrictions

Sections 1 & 11-13, T44N R7W, Mackinac County No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for economic production of metallic minerals in this area. The closest known active aggregate operations are four miles southwest of the compartment. Bedrock may be near the surface in the compartment, consisting mostly of shale and some dolostone, nothing of known commercial value. The former Fiborn Quarry is less than one mile southwest of the compartment, but the high-purity limestone exposed there may pinch out to the north before reaching the compartment. The compartment consists primarily of low wetlands, which would inhibit surface mining, but there may be some potential for sand & gravel development on the uplands in Sec 1.

Vehicle Access:

In general access is very poor to the interior of the compartment. The northern part is accessed from state land via Fiborn Quarry Road (County/dirt). Access from the south to the north portion of the compartment would be through Graymont LLC holdings and would require Graymonts permission. Access has been granted in the past but rescinded to at least one logger. Access to stands in sec. 13 is through private property (Wilwin). Access has been granted in the past. The Canadian National Railroad cuts off half of section 1 off from management activities.

Survey Needs:

None needed this entry

Recreational Facilities and Opportunities:

Hunting and Trapping opportunities exist throughout the compartment.

Fire Protection:

Upland areas of grass, brush, and pine provide the greatest risk for fire in this compartment. Access is generally poor within this compartment and any fire within the interior of the northern portion could pose access difficulties. The areas of heavy soil will increase mop-up difficulties in the event of a fire. Anguilm Creek and the south branch of the Hendrie River provide the closest opportunities for water source. There are numerous seasonal and intermittent wet areas scattered all throughout that may provide water per conditions.

Additional Compartment Information:

The following reports from the Inventory are attached:

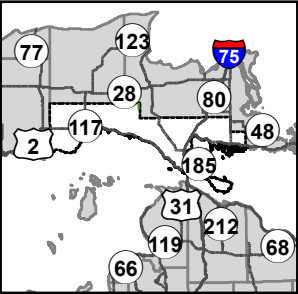
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

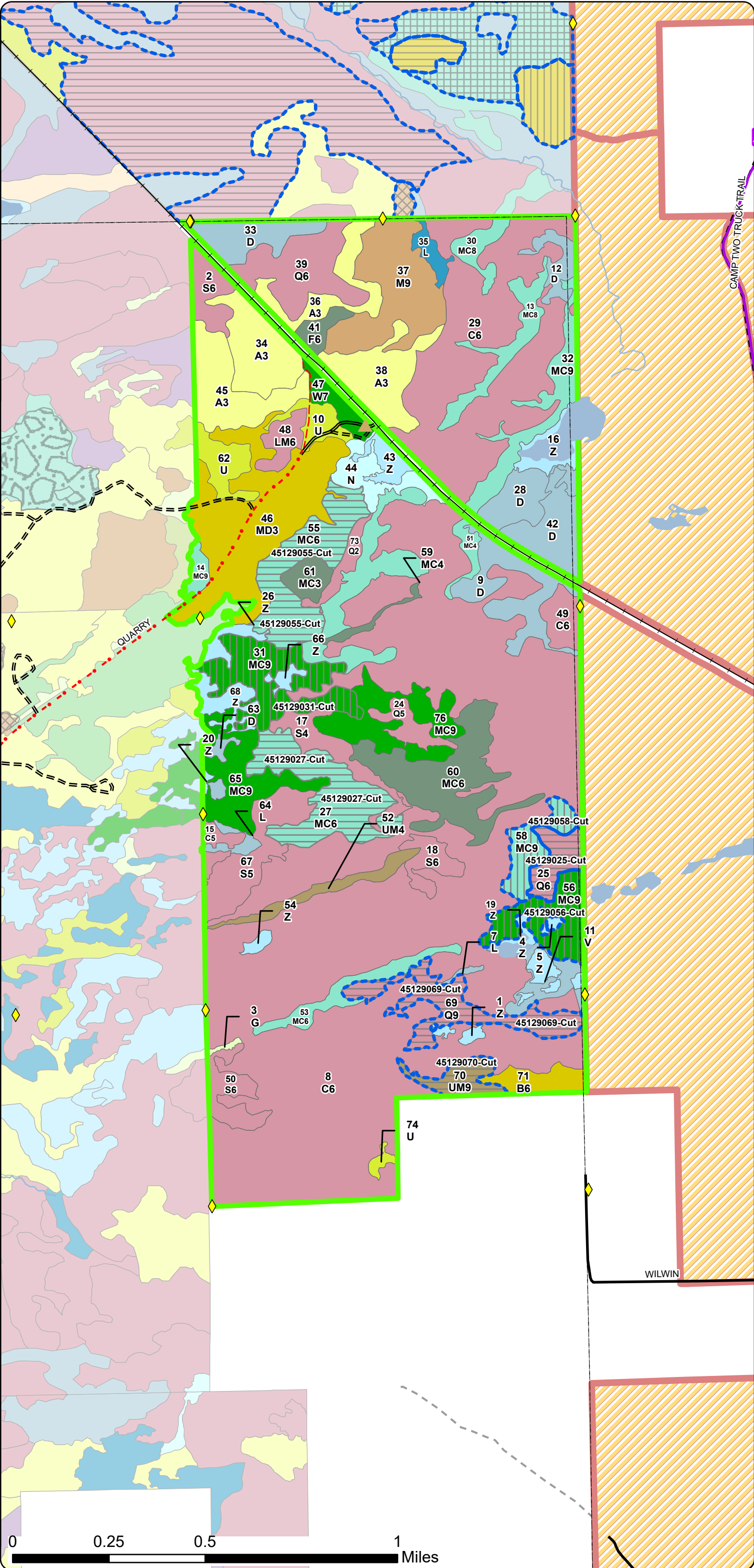
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

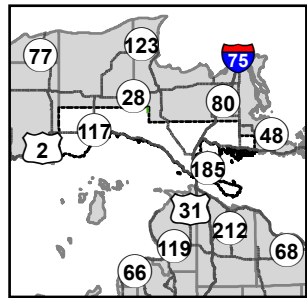
Compartment: 45129
T44N,R07W, Sec. 1, 12, 13, 24
County: Mackinac
Unit: Sault Ste. Marie
Mgmt. Area: Seney Lake Plain
YOE: 2027
Acres: 1,515.21 GIS Calculated
Examiner: Christian Gabler
Date Exported: 7/18/2025
Map Phase: Web Post



















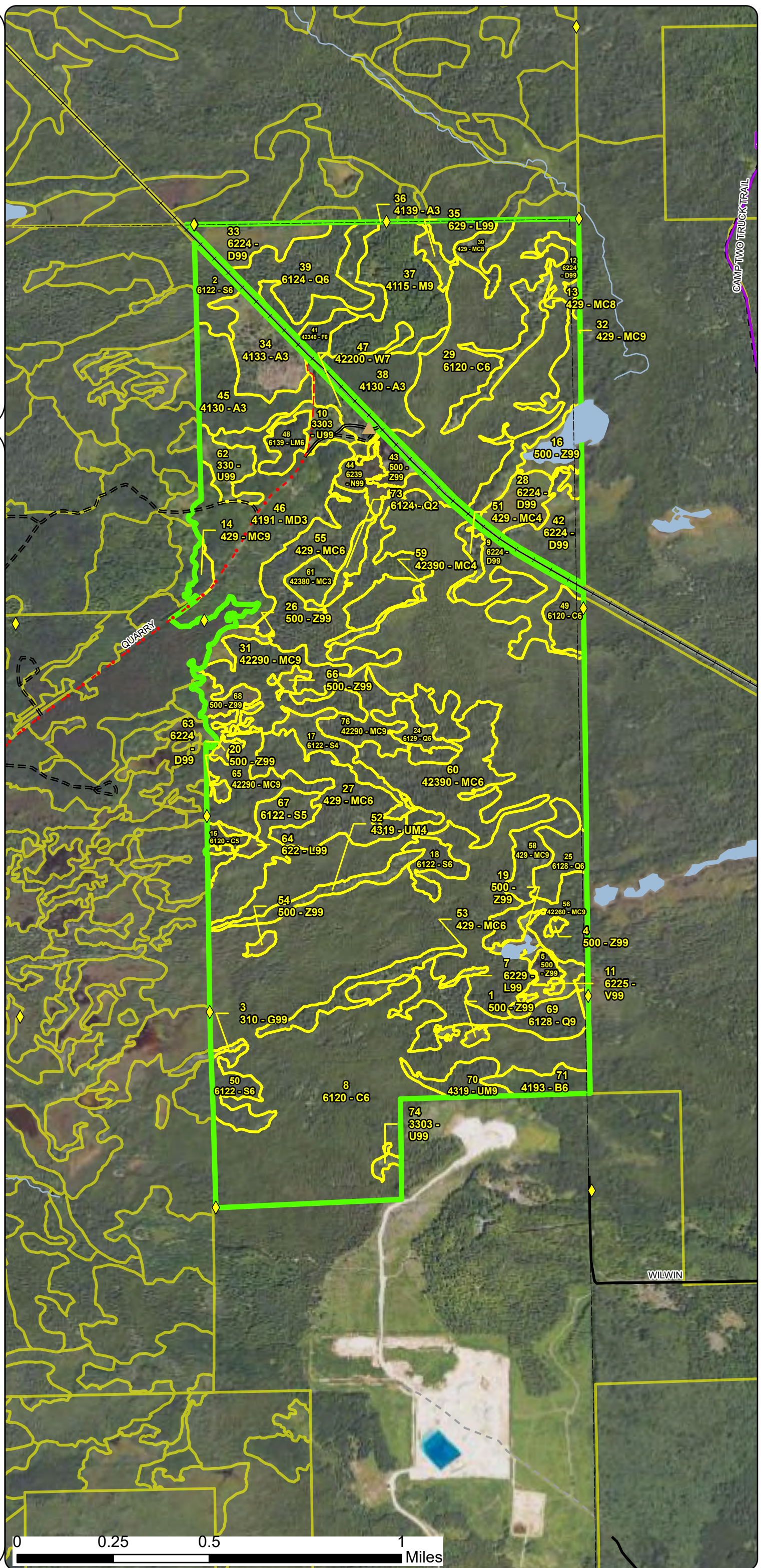
- Survey Grade Corners
- Berms
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Shelterwood
- Clearcut
- Selection
- Seed Tree
- Shelterwood
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested Wetland



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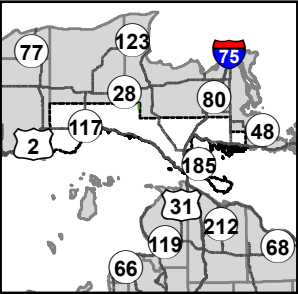


-  Survey Grade Corners
 Berms
 Designated Snowmobile Trails
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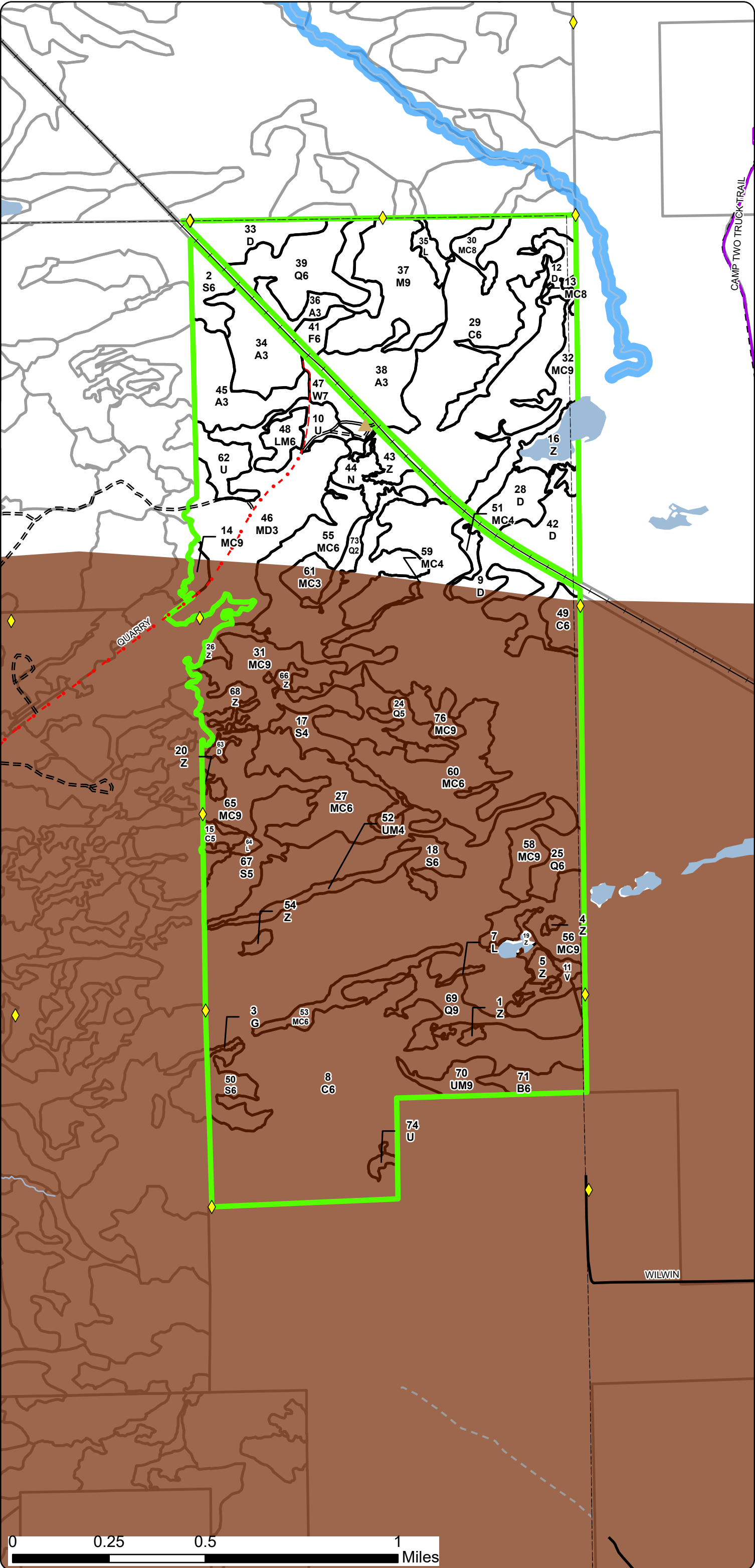


Special Conservation Areas
& Site Conditions Map

Compartment: 45129
T44N,R07W, Sec. 1, 12, 13, 24
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Unit: Sault Ste. Marie
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- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	23	25	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88
Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Cedar	0	0	0	0	0	0	0	0	0	0	0	120	0	513	0	0	0	0	633
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Low-Density Trees	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Conifers	0	0	0	0	0	0	0	0	0	24	28	28	0	0	0	0	0	0	80
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Lowland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Spruce/Fir	0	0	0	0	0	0	23	11	0	32	0	0	0	0	0	0	0	0	66
Marsh	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Mixed Upland Deciduous	0	0	0	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Natural Mixed Pines	0	0	0	0	0	0	0	0	32	24	0	25	0	0	0	0	0	20	100
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	40
Paper Birch	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Treed Bog	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81
Upland Conifers	0	0	0	7	0	0	0	0	13	148	13	3	0	0	0	0	0	32	216
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	10	19
Upland Spruce/Fir	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Water	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
White Pine	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Total	178	23	25	125	0	0	23	16	45	253	41	176	0	513	0	0	0	102	1518



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 129
Total Compartment Acres: 1,515

Commercial Harvest - 200
Harvests with Site Condition - 158
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversky Removal	Salvage	Other	Total Acres
Lowland Conifers	36	0	0	0	0	0	0	0	0	36
Natural Mixed Pines	0	0	0	0	52	0	0	0	0	52
Upland Conifers	68	0	0	0	13	0	0	0	0	81
Upland Mixed Forest	10	0	0	0	0	0	0	0	0	10
Total	114	0	0	0	64	0	0	0	0	178

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	178	0	0	0	0	0	0	0	0	178
Next Step	0	0	0	0	0	0	178	0	0	178
Total	178	0	0	0	0	0	178	0	0	356



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:

25	45129025-Cut	10.6	6128 - Lowland Coniferous, Mixed Deciduous	6	85	141- 170	Harvest	Clearcut	6128 - Lowland Coniferous, Mixed Deciduous	Cutting Record	No
<u>Prescription</u> Clearcut with retention harvest. Harvest all trees 2" and above regardless of merchantability except: Cedar, Hemlock, Oak, Yellow birch, and <u>Specs:</u> 25+ in. White pine. These leave trees serve to meet retention guidelines. Winter harvest between Dec. 1st-Mar. 31s <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Maple, Birch, Spruce, Balsam, White pine, Cedar. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2026											
27	45129027-Cut	35.7	429 - Mixed Upland Conifers	6	80	81-110	Harvest	Clearcut	429 - Mixed Upland Conifers	Planting Record	No
<u>Prescription</u> Clearcut with retention. Harvest all trees 2" and above at DBH regardless of merchantability. No cut: Cedar, Hemlock, Oak, or Yellow birch. <u>Specs:</u> Leave one tree per acre across the stand. Favor Red or White pine. These leave trees serve to meet retention guidel <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Red pine, White pine, Jack pine, Paper birch, Red maple, Black cherry, Spruce, Fir <u>Regen:</u> <u>Other</u> Along the spruce bog and cedar swamp there may be some inoperable ground. Designate this as additional retention. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
31	45129031-Cut	31.5	42290 - Natural Mixed Pine	9	75	111- 140	Harvest	Shelterwood	42290 - Natural Mixed Pine	Cutting Record	No
<u>Prescription</u> Shelterwood harvest down to a residual 30 BA of Red pine and White pine. Within 100' of standing water, leave 70-80 BA. No cut: Cedar, <u>Specs:</u> Oak, Hemlock or Yellow birch to provide diversity. In the RMZ, thin BA to 70-80. Utilize the no cut species to reach the <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Red pine, White pine, Aspen, Balsam fir, White spruce, Paper birch <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
55	45129055-Cut	32.3	429 - Mixed Upland Conifers	6	80	81-110	Harvest	Clearcut	429 - Mixed Upland Conifers	Planting Record	No
<u>Prescription</u> Clearcut with retention. Harvest all trees 2" and above at DBH regardless of merchantability. No cut: Cedar, Hemlock, Oak, White pine, or <u>Specs:</u> Red pine. These leave trees serve to meet retention guidelines.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>											
<u>Acceptable</u> Spruce, Fir, Pine spp., Paper birch <u>Regen:</u>											
<u>Other</u> This stand is at the end of its rotation cycle. <u>Comment:</u>											
<u>Site Condition:</u>											
<u>Proposed Start Date:</u> 10/01/2026											
56	45129056-Cut	20.1	42260 - Natural Pine, Mixed Deciduous	9	91	111- 140	Harvest	Shelterwood	429 - Mixed Upland Conifers	Cutting Record	No
<u>Prescription</u> Leave tree mark 30 BA of Red pine and White pine. Designate Aspen for removal. Do not cut: Cedar, Oak, Hemlock, or Yellow birch. In the <u>Specs:</u> RMZ, thin BA to 70-80. These leave trees serve to meet retention guidelines. Winter harvest between Dec. 1st-Mar 31st.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>											
<u>Acceptable</u> Red pine, White pine, Aspen, Balsam fir, White spruce, Paper birch <u>Regen:</u>											
<u>Other</u> <u>Comment:</u>											
<u>Site Condition:</u> Unknown Access											
<u>Proposed Start Date:</u> 10/01/2026											
58	45129058-Cut	12.8	429 - Mixed Upland Conifers	9	75	81-110	Harvest	Shelterwood	42290 - Natural Mixed Pine	Planting Record	No
<u>Prescription</u> Leave tree mark 30 BA of Red pine and White pine where possible. Harvest all other trees down to 2" DBH regardless of merchantability. Do <u>Specs:</u> not cut: Cedar, Oak, Hemlock, or Yellow birch. Winter harvest between Dec. 1st-Mar 31st.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>											
<u>Acceptable</u> Red pine, White pine, Aspen, Spruce, Balsam fir, Paper birch, Red maple <u>Regen:</u>											
<u>Other</u> <u>Comment:</u>											
<u>Site Condition:</u> Unknown Access											
<u>Proposed Start Date:</u> 10/01/2026											
69	45129069-Cut	25.4	6128 - Lowland Coniferous, Mixed Deciduous	9	102	81-110	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Clearcut with retention. Leave one White or Red pine per acre that is above 14" DBH. No cut: Cedar, Oak, Hemlock or Yellow birch to <u>Specs:</u> provide diversity. These leave trees serve to meet retention guidelines. Winter harvest between Dec. 1st-Mar. 31st.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>											
<u>Acceptable</u> White pine, Spruce, Maple, Paper birch, Red pine <u>Regen:</u>											
<u>Other</u> Some areas will be excluded due to wet and sensitive soils. <u>Comment:</u>											
<u>Site Condition:</u> Unknown Access											
<u>Proposed Start Date:</u> 10/01/2026											

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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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70 45129070-Cut	9.5	4319 - Mixed Upland Forest	9	91	81-110	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
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Prescription Clearcut with retention. Remove all trees regardless of merchantability 2" and above at DBH. Leave not more than one representative tree per acre this will serve as retention. Favor infrequently occurring species and sawlog quality maple. Winter harvest D

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, Paper birch, Pine, Spruce, Cedar

Regen:

Other

Comment:

Site Condition: Unknown Access

Proposed Start Date: 10/01/2026

Total Treatment Acreage Proposed: 177.9

Report 4 – Site Conditions



Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
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Dominant Site Conditions

2B	2E	2J	3H	5D
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88	48	0	40	Aspen			40		
9	9	0	0	Bog					
605	5	0	600	Cedar			115	485	
1	1	0	0	Herbaceous Openland					
20	20	0	0	Low-Density Trees					
80	7	36	36	Lowland Conifers	36		28		9
8	8	0	0	Lowland Mixed Forest					
8	4	0	4	Lowland Shrub			4		
67	55	11	0	Lowland Spruce/Fir		11			
12	12	0	0	Marsh					
68	68	0	0	Mixed Upland Deciduous					
100	80	20	0	Natural Mixed Pines	20				
40	0	0	40	Northern Hardwood			40		
10	10	0	0	Paper Birch					
81	25	0	55	Treed Bog			55		
215	162	13	40	Upland Conifers	13		40		
19	9	10	0	Upland Mixed Forest	10				
5	0	0	5	Upland Spruce/Fir			5		
46	35	0	11	Water			11		
8	8	0	0	White Pine					
1,488	566	90	832	Total Forested Acres	78	11	339	485	9
	38%	6%	56%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
2	Unavailable		5D: Unproductive forest land	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit
Christian Gabler: Examiner

Compartment: 129
Year of Entry: 2027



6	Available	2B: Unknown if access through adjacent landowner(s) is possible	10	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments: Graymont denied access last time around.							
7	Unavailable	2J: Blocked by railroad	339	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Blocked by Railroad							
9	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	485	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5D: Unproductive forest land	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	2B: Unknown if access through adjacent landowner(s) is possible	20	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments: Contact Graymont LLC							
14	Available	2B: Unknown if access through adjacent landowner(s) is possible	13	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Christian Gabler: Examiner

Compartment: 129

Year of Entry: 2027



15	Available	2B: Unknown if access through adjacent landowner(s) is possible	11	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	2B: Unknown if access through adjacent landowner(s) is possible	25	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	2E: Road needed	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!
Year of Entry:

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
1	500 - Water	None	2.2			No	Very wet.																																			
2	6122 - Black Spruce	Poletimber Well	10.6	85	51-80	N/A	Spruce/fir mix some low areas. stand cut winter of 2020 45-119-17 Rail Road Mix.2027 YOY: The stand has maintained its composition.																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>15</td><td></td><td>13</td><td></td></tr><tr><td>Black Spruce</td><td>70</td><td>Seedling</td><td>7</td><td>85</td></tr><tr><td>Northern White Cedar</td><td>15</td><td>Seedling</td><td>7</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	15		13		Black Spruce	70	Seedling	7	85	Northern White Cedar	15	Seedling	7																
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3	310 - Herbaceous Openland	None	0.8			No	Upland ridge with low density trees. Mixed spruce/pine and paper birch.																																			
4	500 - Water	None	1.0			No																																				
5	500 - Water	None	4.8			No																																				
7	6229 - Mixed Lowland Shrub	None	1.0			No																																				
8	6120 - Lowland Cedar	Poletimber Well	504.1	120	111-140	N/A	Large stand that runs throughout the compartment. Variable mix of lowland conifers, but main coverytype is small, low quality cedar. Quite wet throughout.																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>5</td><td></td><td>7</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Sapling</td><td>7</td><td></td></tr><tr><td>Tamarack</td><td>10</td><td>Sapling</td><td>6</td><td></td></tr><tr><td>Black Spruce</td><td>20</td><td>Sapling</td><td>7</td><td></td></tr><tr><td>Northern White Cedar</td><td>50</td><td>Sapling</td><td>7</td><td>120</td></tr><tr><td>White Pine</td><td>10</td><td></td><td>15</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5		7		Balsam Fir	5	Sapling	7		Tamarack	10	Sapling	6		Black Spruce	20	Sapling	7		Northern White Cedar	50	Sapling	7	120	White Pine	10		15	
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Sub-Canopy Species	Density	Avg. Height	Size																																							
Tag Alder	Low	Variable	Variable																																							
9	6224 - Treed Bog	None	22.5			No	Low density trees in a lowland area.																																			
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10	3303 - Mixed Low Density Trees	None	7.4			Yes	2027 YOY: Continue to co-manage this stand with WLD. No maintenance required this entry.																																			
11	6225 - Bog	None	8.9			No																																				
12	6224 - Treed Bog	None	7.3			No																																				






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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
29	6120 - Lowland Cedar	Poletimber Well	115.4	104	Unspecified	N/A	2027 YOE: Large continuous cedar stand north of the railroad. Large ridge islands are inside and adjacent to the stand.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Paper Birch</td><td>5</td><td>Sapling</td><td>6</td><td></td></tr><tr><td>Black Spruce</td><td>10</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Northern White Cedar</td><td>60</td><td>Seedling</td><td>8</td><td>104</td></tr><tr><td>White Pine</td><td>5</td><td></td><td>16</td><td></td></tr><tr><td>Tamarack</td><td>20</td><td>Seedling</td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5	Sapling	6		Black Spruce	10	Seedling	6		Northern White Cedar	60	Seedling	8	104	White Pine	5		16		Tamarack	20	Seedling	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tag Alder</td><td>Medium</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Black Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Northern White Cedar</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	< 5 feet	< 5 feet	Black Spruce	Low	Variable	Variable	Northern White Cedar	Low	Variable	Variable
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Northern White Cedar	Low	Variable	Variable																																																	
30	429 - Mixed Upland Conifers	Sawtimber Medium	7.1	85	51-80	N/A	2027 YOE: A ridge that connects up through into Newberry FMU. Stand includes 2 low spots of nicer spruce.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Spruce</td><td>10</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Paper Birch</td><td>15</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>White Pine</td><td>20</td><td></td><td>15</td><td></td></tr><tr><td>Red Pine</td><td>35</td><td></td><td>15</td><td>85</td></tr><tr><td>Balsam Fir</td><td>20</td><td>Seedling</td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	10	Seedling	6		Paper Birch	15	Seedling	8		White Pine	20		15		Red Pine	35		15	85	Balsam Fir	20	Seedling	8																					
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31	42290 - Natural Mixed Pine	Sawtimber Well	31.5	75	111-140	N/A	2027 YOE: Nice pine stand. Variable BA throughout but generally around 120 BA. There are some natural channels for spring runoff.																																													
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Conifers	Low	Variable	Variable																																																	
32	429 - Mixed Upland Conifers	Sawtimber Well	19.9	85	51-80	N/A	2027 YOE: Upland species on a ridge island surrounded by wet places.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>25</td><td></td><td>10</td><td></td></tr><tr><td>White Spruce</td><td>20</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Paper Birch</td><td>15</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Red Pine</td><td>30</td><td></td><td>14</td><td>85</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	White Pine	25		10		White Spruce	20	Seedling	8		Red Maple	10	Seedling	8		Paper Birch	15	Seedling	8		Red Pine	30		14	85	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Conifers</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Conifers	Low	Variable	Variable								
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33	6224 - Treed Bog	None	15.5			No																																														
34	4133 - Aspen, Mixed Pine	Sapling Well	23.2	4	1-50	N/A	2020: Spruce/fir mix some low areas. stand cut winter of 2020 45-119-17 Rail Road Mix.2027 YOE: Previous timber sale left a considerable amount of White pine. A thick secondary cohort of early successional species has established and is a growing season away from free to grow. High and low areas throughout. Previous cover type objective was a lowland mix.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>65</td><td>Log</td><td>2</td><td>4</td></tr><tr><td>White Pine</td><td>25</td><td></td><td>15</td><td>85</td></tr><tr><td>White Spruce</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	65	Log	2	4	White Pine	25		15	85	White Spruce	5	Seedling	8		Balsam Fir	5	Seedling	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>Full</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	Full	< 5 feet	< 5 feet													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
35	629 - Mixed non-forested Wetland	None	4.4			No																																				
36	4139 - Aspen, Mixed Deciduous	Sapling Well	15.3	24	Immature	N/A	Stand was cut in 2002. Regeneration is aspen with mix of balsam, spruce, cherry, and birch. There are some large white pine residual scattered.																																			
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37	4115 - Y.Birch, Hemlock NH	Sawtimber Well	39.7	81	81-110	N/A	Stand was thinned in 2003. Lower quality hardwood mix with Hemlock and hemlock. Some Yellow Birch scattered. 2027 YOE: Added on BA but not enough to warrant a prescription. Wait another cycle before serious treatment considerations.																																			
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>Yellow Birch</td> <td>10</td> <td></td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td></td> <td>14</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Seedling</td> <td>7</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>5</td> <td>Seedling</td> <td>6</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>10</td> <td></td> <td>16</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>60</td> <td></td> <td>12</td> <td>81</td> </tr> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Yellow Birch	10		14		White Pine	10		14		Balsam Fir	5	Seedling	7		White Spruce	5	Seedling	6		Hemlock	10		16		Red Maple	60		12	81
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38	4130 - Aspen	Sapling Well	24.3	23	Immature	N/A	2015: Stand was cut in 2002. Aspen regeneration is looking good.2027 YOE: Nice young aspen stand. A few growing seasons away from transitioning into poles.																																			
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39	6124 - Lowland Spruce-Fir	Poletimber Well	27.7	99	141-170	N/A	lowland spruce that is good quality. Access is across railroad.2027 YOE: Last inventory was in 2015 - the stand prescription was recycled for this entry period.																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
47	42200 - Natural White Pine	Sawtimber Poor	7.9	85	1-50	N/A	2020 Treatment Report: Mixed stand of residual from long previous treatments. stand cut winter of 2020 45-119-17 Rail Road Mix2027 YOE: Enough retained White pine from previous timber sale Rail Road Mix, is present to be a cover type of W7. This will be only for one or two entries while the sub-canopy matures. Possible management would include a reduction in BA and scarification, or, leave undisturbed until a mix of White pine and mature early successional species is the composition of the stand. There is a local presence of Sugar maple, which would be a nice future component if there were successive YOE's where the stand was left to continue a natural floristics path.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Spruce	5	Seedling	7		Aspen (spp.)	Medium		5 - 10 feet	5 - 10 feet
Balsam Fir	5	Seedling	7		Red Maple	Medium		< 5 feet	< 5 feet
White Pine	80		12	85					
Red Maple	10		9						
48	6139 - Mixed Lowland Forest	Poletimber Well	7.6	85	111-140	N/A	Island of uncut pole. Leave since everything around it has been cut.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	10	Sapling	6		Red Maple	Medium		5 - 10 feet	5 - 10 feet
White Pine	5	Seedling	8		Balsam Fir	Low		Variable	Variable
Jack Pine	20	Seedling	6						
Quaking Aspen	25		9	85					
Sugar Maple	5	Seedling	8						
Red Maple	15	Seedling	7						
Paper Birch	10	Seedling	7						
White Spruce	10	Seedling	7						
49	6120 - Lowland Cedar	Poletimber Well	8.5	120	111-140	N/A	2016 YOE: Large stand that runs throughout the compartment. Variable mix of lowland conifers, but main cover type is small, low-quality cedar. Quite wet throughout.2027 YOE: This cedar island is a continuation of the main body of cedar located just south on the other side of the lowland swale. North tip is out of deer yard.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	5	Sapling	7		Tag Alder	Low		Variable	Variable
Tamarack	10	Sapling	6						
White Pine	10		15						
Red Maple	5		7						
Black Spruce	20	Sapling	7						
Northern White Cedar	50	Sapling	7	120					
50	6122 - Black Spruce	Poletimber Well	11.4	61	141-170	N/A	2027 YOE: Black spruce stand. Wet and tough to get to. High and dry ridge in the north finger of the stand.		
Canopy Species	% Cover	Size Class	DBH	Age					
Tamarack	15	Sapling	6						
Black Spruce	85	Seedling	6	61					
51	429 - Mixed Upland Conifers	Poletimber Poor	4.1	85	1-50	N/A	2027 YOE: Upland ridge with moderately stocked upland species.		
Canopy Species	% Cover	Size Class	DBH	Age					
Black Spruce	40	Seedling	7	85					
Red Maple	10	Seedling	8						
Paper Birch	20	Seedling	7						
White Pine	20		12						
Balsam Fir	10	Seedling	6						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
52	4319 - Mixed Upland Forest	Poletimber Poor	9.1	80	1-50	N/A	Upland opening with scattered mixed pine and conifer.																																																						
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53	429 - Mixed Upland Conifers	Poletimber Well	11.6	80	81-110	N/A	2016 YOE: Island of upland opening with pine and mixed conifer within large cedar lowland stand. Access could be explored in the future if it as ever gained to stand 69.2027 YOE: Sandy ridge where stand composition hasn't changed very much since last inventory. Possible management opportunity with stand 69.																																																						
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54	500 - Water	None	1.8			No																																																							
55	429 - Mixed Upland Conifers	Poletimber Well	56.8	80	81-110	N/A	2027 YOE: Nice spruce stand with large white pine and red pine. Some deciduous species sparsely tessellated throughout.																																																						
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56	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	20.1	91	111-140	N/A	2027 YOE: There are nice red and white pine throughout the stand. There are seams of high BA bigtooth aspen that are found in the stand as well. Both are about the same age. A mostly open and airy understory with bracken fern. Bever ponds to the south. Trees in all size classes. Come cedar on the fringes. Decent sized lake on the east side. An old railroad grade runs around the north and cuts through the middle of the stand. ITs a little hilly in spots with a prominent ridge that runs east/west on the north part of the stand. The stand is in good health and the aspen still had solid heartwood. Some pines are XLog sized. Great site for pine, there is regeneration across the stand.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
64	622 - Lowland Shrub	None	3.1			No																																					
65	42290 - Natural Mixed Pine	Sawtimber Well	24.5	108	141-170	N/A	2027 YOE: Super awesome White pine and Red pine stand. Some scattered spruce/fir and paper birch. A ridge runs the middle of the stand east and west into stand 27. Large diameter's and some really dense BA's in spots. There is a 4' creek that cuts through the north bit of the stand. Good water sources all around this stand.																																				
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66	500 - Water	None	2.2			No																																					
67	6122 - Black Spruce	Poletimber Medium	22.9	50	Unspecified	N/A	Wetland with black spruce and some scattered pine on the fringes. Very wet.																																				
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68	500 - Water	None	8.3			No	2027 YOE: Hyper mini-islands in the middle of the open water.																																				
69	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	28.2	102	81-110	N/A		2016 YOE: Check this stand in 10 years for any increased access potential. Smaller diameter understory will have a chance to grow larger.2027 YOE: Decent spruce/fir mix along with low density but very nice pine. Cedar on the edges. There is a drainage on the north boundary with slow steady flow from the cedar swamp adjacent to it.																																			
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70	4319 - Mixed Upland Forest	Sawtimber Well	9.5	91	81-110	N/A	2027 YOE: A mature stand with decadent soft maple, balsam fir and spruce and large paper birch. The canopy gaps from decay are releasing the established understory of fir.																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
71	4193 - Birch, Aspen		Poletimber Well	9.7	29	Immature	N/A	Cut in 1996. Mixed regen that is variable in density. Some of the ground is soft and wet in areas.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Red Maple	5	Log	3		Tag Alder	Medium		Variable	Variable
	Paper Birch	30	Sapling	5						
	Balsam Fir	15	Pole	4						
	Quaking Aspen	35	Pole	4	29					
	Balsam Poplar	15	Pole	4						
73	6124 - Lowland Spruce-Fir		Sapling Medium	5.8	80	Unspecified	N/A	2027 YOE: Swale that is really wet carrying low quality low density stunted conifer.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Paper Birch	5	Log	4		Tag Alder	Low		5 - 10 feet	5 - 10 feet
	Black Spruce	35	Log	4	80					
	Northern White Cedar	35	Pole	4						
	Balsam Fir	25	Pole	4						
74	3303 - Mixed Low Density Trees		None	1.9			No			
76	42290 - Natural Mixed Pine		Sawtimber Well	24.0	85	111-140	N/A	2027 YOE: Very nice kind of wettish pine stand. Not as nice of a stand as the ones to the northwest.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
	Red Pine	50		13	85	Balsam Fir	Low		Variable	Variable
	White Pine	10		14		Black Spruce	Low		Variable	Variable
	Jack Pine	5	Seedling	8		Red Maple	Low		Variable	Variable
	Black Spruce	30	Seedling	6						
	Red Maple	5	Seedling	6						