



# Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45132

Entry Year 2026

Acreage: 1,921

County Mackinac

Management Area: St. Ignace Lake Plain

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**Stand Examiner:** Nate Plato

## Legal Description:

T44N-R7W, Sections 5 & 6, & T44N-R8W, Section 1.

## Identified Planning Goals:

This area is located 5 miles north of Rexton, along the Luce County/Chippewa County line. The area is being managed primarily for red pine and aspen. Management options include enhancing age class diversity, and promoting health and growth. The pine area, within section 1, was originally planted in the early and mid 1930's by the CCC. Several of these stands have already been actively managed for red pine or aspen, starting in the late 1980's. The age class diversity within the pine is to be enhanced this decade also. The aspen age class diversity is very good within this compartment. There are stands originating from early 1960 and every decade since. This entry, pine management will focus on monitoring existing regeneration for pest and release treatments. The mature pine will be final harvested this entry. Two mature aspen stands will also be harvested to initiate regeneration. One hardwood thinning will be done this entry to promote maple regeneration.

## Soil and topography:

The area varies from low wet swamps, to rolling uplands. Upland pine and aspen are characterized by level and undulating areas, and ridge-swale complexes on outwash plains, lake plains and/or ground moraines. These areas consist of Wallace sand, Paquin sand, and Wallace-Spot complex, with smaller areas of Superior fine sandy loam (hardwood stand 40), and Paquin-Finch sands. The large swamp complex is made up of Markey and Carbondale muck, with transitional aspen areas of Markey-Spot-Finch complex.

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

State lands abut this compartment on the west, south and east. Mixed state and private ownership adjoin to the north in both Luce County and Chippewa County.

## Unique Natural Features:

Headwaters of the West Branch Hendrie River lie within the compartment. Various species of hawks have been known to inhabit the area. There is potential for threatened and endangered plant and animal species within this compartment.

## Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

## Special Management Designations or Considerations:

45132042- Red shoulder hawk nest found in 2002. Determined inactive in 2004. Part of the large bat hibernaculum (Hendrie River Water Cave) is in southeastern part of the compartment.

## Watershed and Fisheries Considerations:

Coldwater tributaries of the Hendrie River (West Branch Hendrie River) begin near the center of this compartment. A fair amount of groundwater input in this section creates suitable conditions for native brook trout. West Branch Hendrie River (and tributaries) is a designated trout stream from the Soo Line upstream. A prescribed treatment for stand 50 calls for an aspen clear-cut. This clear-cut needs to maintain a minimum of a 300-ft. buffer from the stream. A few beaver ponds are already located on this stretch of stream. However, any increase in beaver activity could have additional negative impacts to the stream such as, increased ponding resulting in higher water temperatures.

## Wildlife Habitat Considerations:

This compartment lies within the St. Ignace Lake Plain Management Area. Presettlement vegetation was composed of wetlands in low areas and northern hardwoods, primarily in the western half of the compartment. Today, low areas are dominated by cedar stands while uplands contain a mix of aspen, upland mixed species including hardwoods, and red pine. Red pine plantations have been established along the Dinkey Line Road. Wildlife habitat objectives in this compartment include maintaining the lowland conifer, age class diversity in aspen types particularly between stands, and encouraging age class, species, and structural diversity in northern hardwoods. Lowland conifer stands will generally be left to provide habitat to benefit black bear and other species. Aspen types have been and

will continue to be managed to benefit ruffed grouse, snowshoe hare, and other species favoring early successional habitat.

### **Mineral Resource and Development Concerns and/or Restrictions**

Sections 5-6, T44N-R7W and Section 1, T44N-R8W, Mackinac County

No known potential exists for economic production of oil & gas or metallic minerals in this part of the state. The closest active sand/gravel operation is more than miles away. There may be some potential for sand & gravel and bedrock limestone within the compartment on the uplands in Sec 1. Much of the compartment, however, is covered by wetlands, which could inhibit surface mining. There is history of quarrying high-purity limestone at the Hendricks Quarry two miles southeast of the compartment. Graymont now controls the quarry. It is unlikely that a new commercial quarry would be developed within the compartment, but it's possible there could be some interest by the road commission in aggregate.

### **Vehicle Access:**

Vehicle access is moderate. Section 1 has the best access using a two wheeled drive vehicle. Dinkey Line is a dirt County road ending at the Luce County line. While the condition of this road is relatively good within this compartment, it is downright poor a mile or so to the south. Most access to this point would come across Giddings Truck Trail, a good DNR road; or Norton Camp Road, a good DNR road. Access to sections 5 and 6 are primarily restricted to dry summer (just to get to the sections), and winter only within the sections.

### **Survey Needs:**

None

### **Recreational Facilities and Opportunities:**

The area is used primarily for hunting deer, bear, and small game. Trapping opportunities exist in the area. Snowmobiles and ORV's use the roads for their use.

### **Fire Protection:**

The eastern two-thirds of the compartment have little opportunity for fire due to the low wet ground. However, section 1 has potential for wildfire to occur. Response time would be 45 minutes to one hour from Naubinway due to the road conditions.

### **Additional Compartment Information:**

#### **The following reports from the Inventory are attached:**

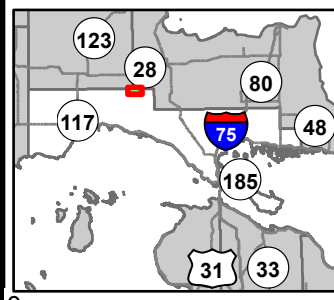
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

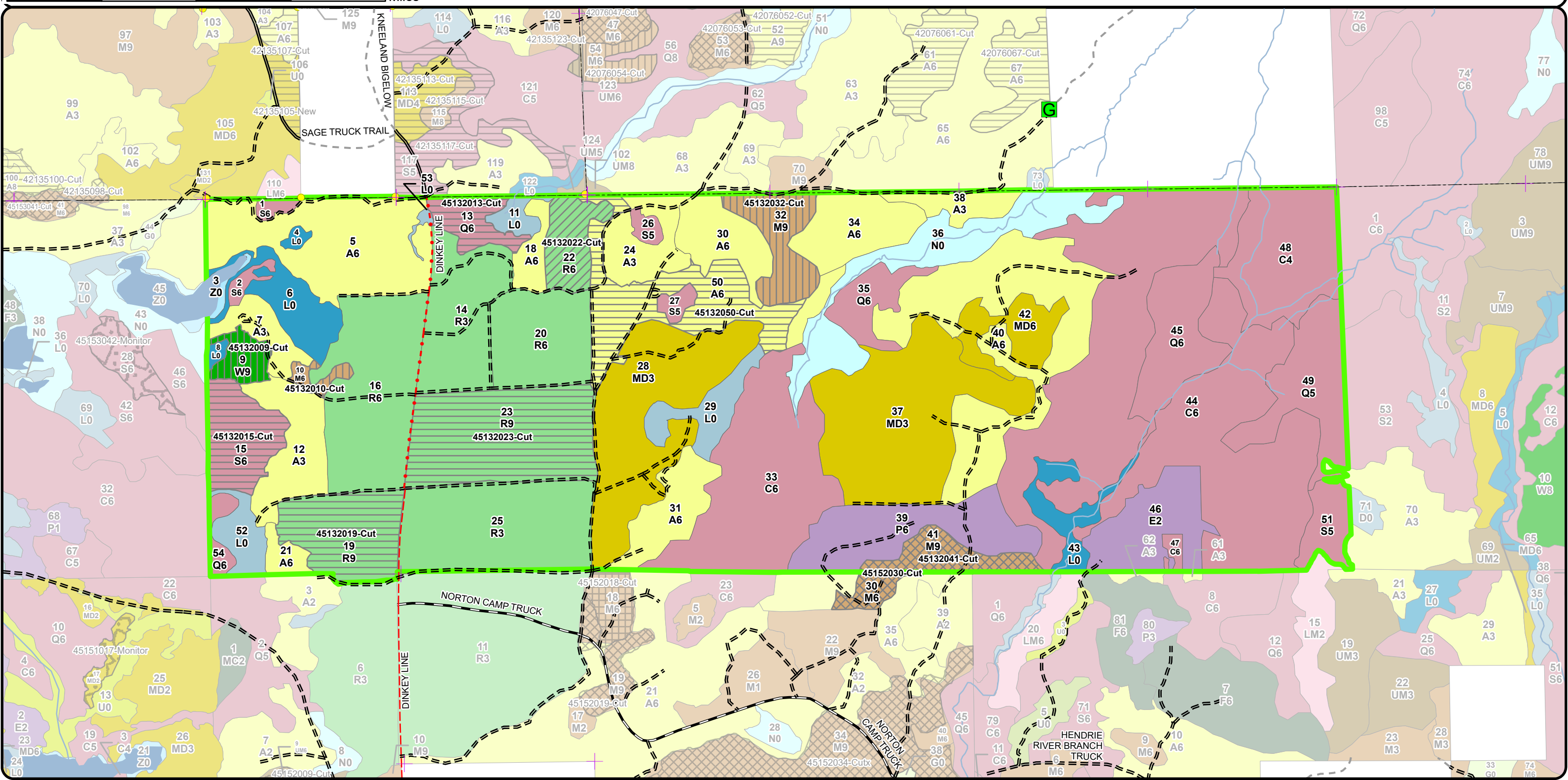
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 45132  
 T44N, R07W, Sec. 5, 6  
 T44N, R08W, Sec. 1  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 Mgmt Area: St. Ignace Lake Plain  
 YOE: 2026  
 Acres: 1921.3 GIS Calculated  
 Examiner: Nate Plato  
 Map Revised: 07/22/2024  
 Map Phase: Web Post

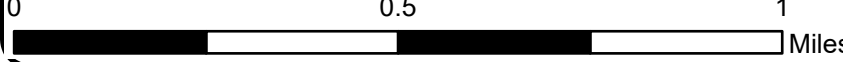
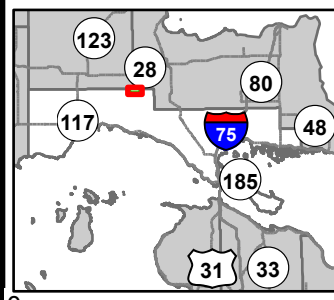


- |                               |                                |                                   |                                  |
|-------------------------------|--------------------------------|-----------------------------------|----------------------------------|
| Gate                          | Private - Dirt / Gravel Road   | Clearcut (w/Reserves)             | 422 - Natural Pines              |
| Survey Grade Corners          | Intermittent Stream            | Thinning (Crown, Low, Systematic) | 611 - Lowland Deciduous Forest   |
| Remonumented Section Corners  | Island in Lake or River        | Shelter Wood (w/Reserves)         | 612 - Lowland Coniferous Forest  |
| DNR - Primary Forest Road     | Lake/Pond                      | Selection (Group, Single Tree)    | 500 - Water                      |
| DNR - Secondary Forest Road   | Perennial River                | 411 - Northern Hardwood           | 622 - Lowland Shrub              |
| DNR - Forest Access Route     | Lakes and Rivers               | 413 - Aspen Types                 | 623 - Emergent Wetland           |
| County - Gravel Road          | Compartment Boundary           | 419 - Mixed Upland Deciduous      | 629 - Mixed Non-forested Wetland |
| County - Dirt Road (Seasonal) | Selection (Group, Single Tree) | 421 - Planted Pines               | 411 - Northern Hardwood          |



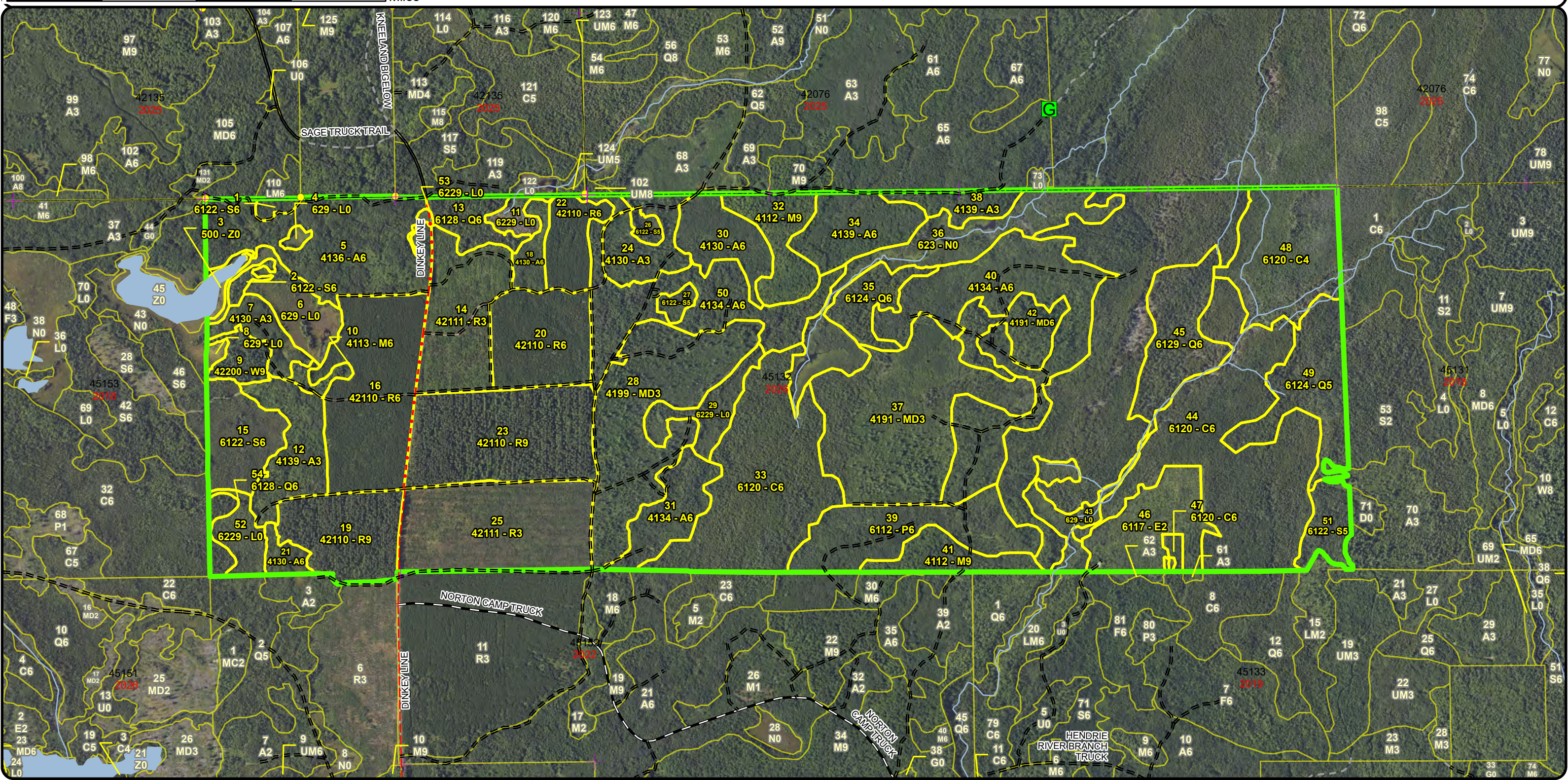
# Stand Boundary Map

Compartment: 45132  
 T44N, R07W, Sec. 5, 6  
 T44N, R08W, Sec. 1  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 Mgmt Area: St. Ignace Lake Plain  
 YOE: 2026  
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 Examiner: Nate Plato  
 Map Revised: 07/22/2024  
 Map Phase: Web Post



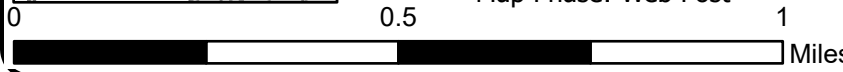
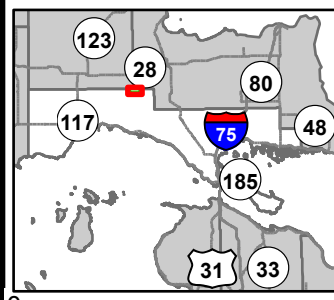
- Gate
- Survey Grade Corners
- + Remonumented Section Corners
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers

- Compartment Boundary
- Stand Boundaries
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
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- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines



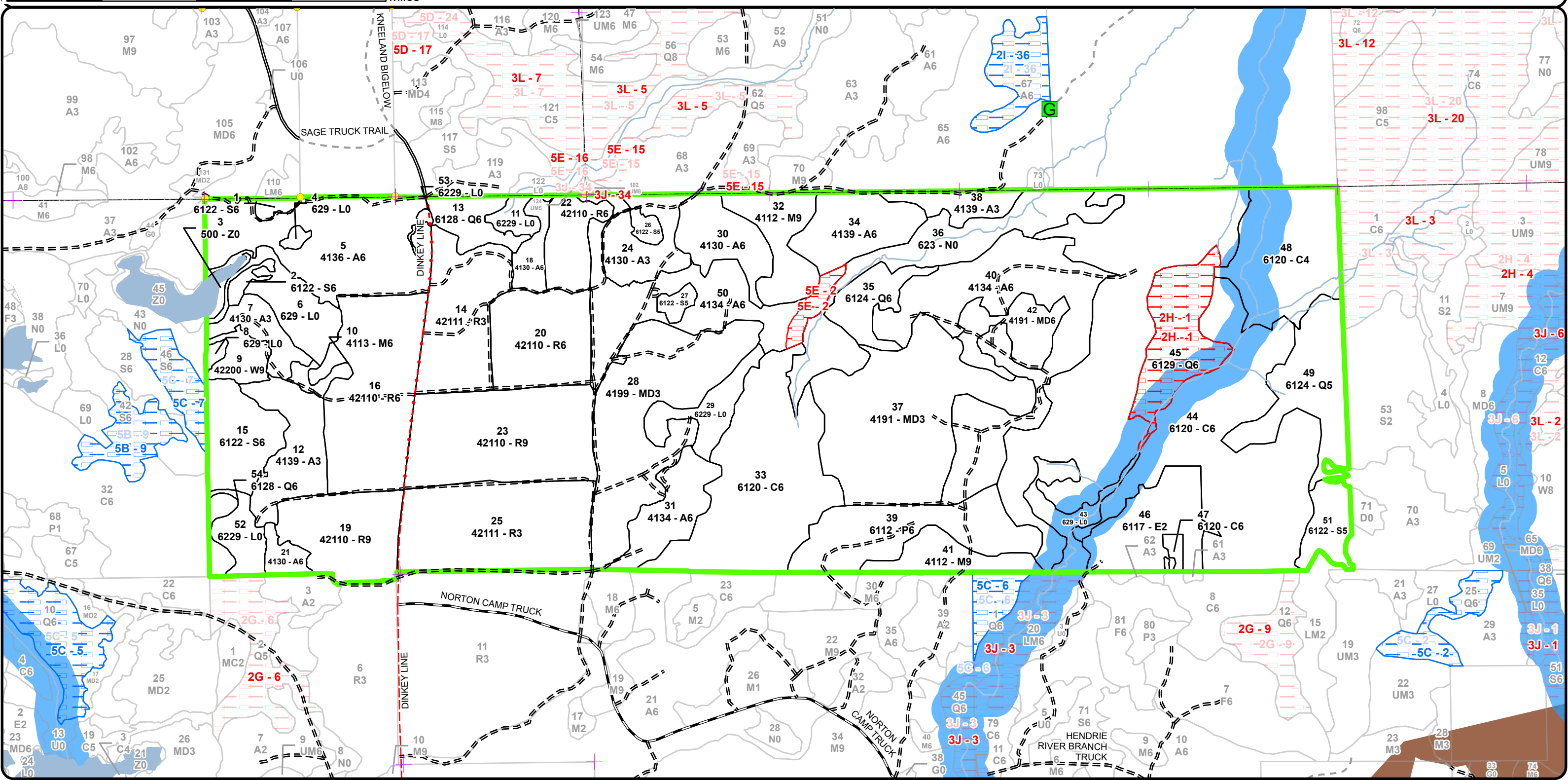
# Special Conservation Areas & Site Conditions Map

Compartment: 45132  
 T44N, R07W, Sec. 5, 6  
 T44N, R08W, Sec. 1  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 Mgmt Area: St. Ignace Lake Plain  
 YOE: 2026  
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- Gate
- Survey Grade Corners
- + Remonumented Section Corners
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary

- Available w/ Constraints
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



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	37	32	202	86	60	0	0	0	0	0	0	0	0	0	0	0	0	417
Cedar	0	0	0	0	0	0	0	58	0	0	0	0	379	0	0	0	0	0	437
Lowland Aspen/Balsam Poplar	0	0	0	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Lowland Conifers	0	0	0	0	0	15	18	0	50	40	0	0	0	0	0	0	0	0	123
Lowland Deciduous	0	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Lowland Shrub	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84
Lowland Spruce/Fir	0	0	0	0	0	0	4	0	26	30	0	0	0	0	0	0	0	0	60
Marsh	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Mixed Upland Deciduous	0	87	103	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	212
Northern Hardwood	0	0	0	0	0	0	0	5	26	19	0	0	0	0	0	0	0	0	50
Red Pine	0	0	125	118	20	0	0	0	0	118	0	0	0	0	0	0	0	0	380
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
White Pine	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	11
<b>Total</b>	<b>144</b>	<b>124</b>	<b>299</b>	<b>371</b>	<b>106</b>	<b>75</b>	<b>22</b>	<b>63</b>	<b>125</b>	<b>207</b>	<b>11</b>	<b>0</b>	<b>379</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1923</b>



## Report 2 – Treatment Summary

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

Acres of Harvest

Compartment 132  
Total Compartment Acres: 1,921

Commercial Harvest - 297  
Harvests with Site Condition - 0  
Next Step Harvest - 31  
Habitat Cut - 31

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	54	0	0	0	0	0	0	0	0	54
Lowland Conifers	15	0	0	0	0	0	0	0	0	15
Lowland Spruce/Fir	30	0	0	0	0	0	0	0	0	30
Northern Hardwood	0	19	0	0	31	0	0	0	0	50
Red Pine	118	0	0	0	0	20	0	0	0	138
White Pine	0	0	0	0	11	0	0	0	0	11
<b>Total</b>	<b>217</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>297</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	297	0	0	0	0	0	0	0	0	297
Next Step	31	236	118	0	118	472	395	118	0	1489
<b>Total</b>	<b>328</b>	<b>236</b>	<b>118</b>	<b>0</b>	<b>118</b>	<b>472</b>	<b>395</b>	<b>118</b>	<b>0</b>	<b>1786</b>



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:**

<b>9</b>	<b>45132009-Cut</b>	10.7	42200 - Natural White Pine	Sawtimber Well	93	51-80	Harvest	Shelterwood with Retention	4220 - Natural White Pine	Two-Aged	No
<p><u>Prescription</u> Thin stand to an average residual BA of 30-50 focusing on retaining healthy, mature white pine. Avoid leaving pine in clumps with closed canopy. Residual pine left after harvest will be long term retention.</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> Pine, spruce, fir, aspen, maple, birch, cherry.</p> <p><u>Other Comment:</u> Ideally summer harvest for scarification.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>10</b>	<b>45132010-Cut</b>	4.7	4113 - R.Maple, Conifer	Poletimber Well	62	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription</u> Thin stand to an average residual BA of 30-50 focusing on large diameter, overmature stems. Retain healthy stems of various species for diversity. Leave tops 4-6 ft tall to discourage deer browse. No retention due to small acreage and for silvicultural purposes.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); Harvest, Overstory Removal</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Maple, birch, aspen, cherry, spruce, fir, pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>13</b>	<b>45132013-Cut</b>	15.1	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	49	81-110	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all deciduous trees over 2" DBH and all conifers over 4" DBH. Leave patches of pure cedar. Scattered, individual cedar may be harvested. Leave 1-2 large diameter red pine per acre where present. Exclude extremely wet areas. Retention will be cedar and pine left.</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> Spruce, fir, pine, aspen, maple, cherry, tamarack, cedar, hemlock.</p> <p><u>Other 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
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<b>15</b>	<b>45132015-Cut</b>	29.9	6122 - Black Spruce	Poetimber Well	86	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Harvest all deciduous trees over 2" DBH and all conifers over 4" DBH. Leave all white pine over 20" DBH. Avoid areas of immature stems and extremely wet, inoperable areas. Retain 3-10% of the treatment acreage in patch(es) of representative composition. Treatment size may vary.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Spruce, fir, tamarack, pine, cedar, birch, aspen, maple.

Regen:

Other Use operating caution spec of harvest in winter or dry summer.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>19</b>	<b>45132019-Cut</b>	41.6	42110 - Planted Red Pine	Sawtimber Well	87	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription Clear cut stand, harvesting all stems down to 1" DBH, with retention of live trees in southwest part of stand. Retention should be a patch of representative composition. This will greatly reduce hazards during aerial spraying operations. Do not include red pine in the sale boundary except along retention area.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Burn, Slash; Pesticide, Skidder - Site Prep; Pesticide, Aerial - Site Prep; Pesticide, Skidder - Release; Pesticide, Aerial - Release; Planting, Initial Plant; Other, Pre-Commercial Thinning

Acceptable Red Pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>22</b>	<b>45132022-Cut</b>	19.7	42110 - Planted Red Pine	Poetimber Well	33	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Harvest every 3rd row of red pine. The first row started must be 2 rows in from edge of stand.

Specs:

Next Step

Treatments:

Acceptable N/A

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>23</b>	<b>45132023-Cut</b>	76.5	42110 - Planted Red Pine	Sawtimber Well	87	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
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Prescription Clear cut stand, harvesting all stems down to 1" DBH. No retention due aerial spraying hazards. Do not include mature red pine in the sale boundary.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Burn, Slash; Planting, Initial Plant; Other, Pre-Commercial Thinning - Hand;

Treatments: Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Pesticide, Aerial - Site Prep; Pesticide, Aerial - R

Acceptable Red Pine

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
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<b>32</b>	<b>45132032-Cut</b>	26.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	73	81-110	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Two-Aged	No
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Prescription Shelterwood stand to an average residual BA of 40-60 focusing on overmature, large diameter stems. Retain quality stems of varying species. Retain any hemlock except for operational purposes. Leave tops 4-6 ft tall to discourage deer browse. Retain 3-10% of the acreage for long term retention.

Next Step Monitoring, Natural Regen (Intermediate); Harvest, Overstory Removal  
Treatments:

Acceptable Maple, birch, cherry, aspen, basswood, ash.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>41</b>	<b>45132041-Cut</b>	18.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	80	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin stand to an average residual BA of 70-80 focusing on large diameter, overmature stems. Expand existing gaps and/or create new gaps if quality regen is present. Harvest all merchantable aspen and fir. Leave any healthy, resistant beech. Leave tops 4-6 ft tall to discourage deer browse.

Next Step Monitoring, Natural Regen (Intermediate)  
Treatments:

Acceptable Maple, birch, cherry, aspen, basswood, ash.  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

<b>50</b>	<b>45132050-Cut</b>	53.7	4134 - Aspen, Spruce/Fir	Poletimber Well	45	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Harvest all deciduous trees over 2" DBH and all conifers over 4" DBH. Avoid areas of unmerchantable stems and overly wet areas. Retain 3-10% of the treatment acreage in patch(es) of representative composition. Also retain any white pine over 20" DBH. Treatment size may vary due to potential occurrences of unmerchantable patches and wet areas.

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

Acceptable Aspen, maple, birch, cherry, spruce, fir, pine.  
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
30 45152030-Cut	7.7	4119 - Mixed Northern Hardwoods	Poletimber Well	40	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to an average residual BA of 70-80 focusing on large diameter, overmature stems. Expand existing gaps and/or create new gaps  <u>Specs:</u> if quality regen is present. Harvest all merchantable aspen and fir. Leave any healthy, resistant beech. Leave tops 4-6 ft tall to discourage deer browse.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)  <u>Treatments:</u></p> <p><u>Acceptable</u> Maple, birch, cherry, aspen, basswood, ash.  <u>Regen:</u></p> <p><u>Other</u>  <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

**Total Treatment Acreage Proposed: 304.6**

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Nate Plato : Examiner

Compartment: 132

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	2H	5E	
417	411	0	6		6	Aspen
437	437	0	0			Cedar
51	51	0	0			Lowland Aspen/Balsam Poplar
123	83	0	39	39		Lowland Conifers
39	39	0	0			Lowland Deciduous
84	84	0	0			Lowland Shrub
60	60	0	0			Lowland Spruce/Fir
55	55	0	0			Marsh
212	212	0	0			Mixed Upland Deciduous
50	50	0	0			Northern Hardwood
380	380	0	0			Red Pine
5	5	0	0			Water
11	11	0	0			White Pine
1,921	1,875		46	39	6	Total Forested Acres
	98%		2%			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	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	40	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	5E: Long-Term Retention	6	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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

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**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
1	6122 - Black Spruce	Poletimber Well	3.2	72	81-110	N/A	2016 YOE: Small stand of aspen regeneration with heavier mix of residual coifer than surrounding stand. Small diameter. Look at in future wnen surrounding is harvested.2026 YOE: Nicely stocked black spruce poletimber stand. Birch, fir and some aspen mixed in on edges of stand. A couple large scattered white pine throughout stand.																																																					
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2	6122 - Black Spruce	Poletimber Well	3.5	74	81-110	N/A	2016 YOE: Stand is mix of lowland conifers on edge of wetland. Low ground and poor quality. There are afew scattered overstory White Pine.2026 YOE: Nice mixed black spruce pole stand. Aspen, birch, maple and fir mixed in. Scattered white pine throughout the overstory. Regen lacking due to closed canopy.																																																					
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3	500 - Water	Nonstocked	4.6			No	2026 YOE: Small pond surrounded by wetland.																																																					
4	629 - Mixed non-forested wetland	Nonstocked	2.0			No	2026 YOE: Small marsh inclusion. Alder, and marsh grass. Holds water seasonally.																																																					
5	4136 - Aspen, Mixed Conifer	Poletimber Well	76.7	35	51-80	N/A	2016 YOE: Stand was cut in 1989 and natural regeneration is variable. Mix of aspen, cherry, some red maple and red pine where previous. 2026 YOE: Variable diameter stand. Areas of mature pole timber present and also areas of large saplings. Mostly aspen mixed with spruce/fir, red maple and cherry, East part of stand has a patch of residual larger red pine. Stand was a former red pine plantation planted in 1938. It was harvested in 1989 and left to go natural. A few small diameter black spruce inclusions scattered throughout stand. Too small and spread out to type as different stands. Hold until next entry for more consistent merchantability.																																																					
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6	629 - Mixed non-forested wetland	Nonstocked	24.9		Unspecified	No	2026 YOE: Mix of marsh and bog types. Tag alder, leather leaf, marsh grass, and scattered lowland conifers present. A couple small inclusions with better stocked lowland species present. Very wet.																																																					
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7	4130 - Aspen	Sapling Well	14.8	23	Immature	N/A	2016 YOE: Aspen regeneration with mix of cherry. Cut in 2001.2026 YOE: Nice looking fully stocked aspen stand. Just getting into small pole sized stand, although diameter is variable throughout. Ranges from large sapling to small poletimber. A few scattered pine and spruce throughout stand.																																																
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8	629 - Mixed non-forested wetland	Nonstocked	2.0			No	2026 YOE: Open bog with standing water.																																																
9	42200 - Natural White Pine	Sawtimber Well	10.7	93	51-80	N/A	Thinned in 2019. Partridge Pine 45-108																																																
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10	4113 - R.Maple, Conifer	Poletimber Well	4.7	62	81-110	N/A	2016 YOE: Very small stand of mixed maple and a few red pine. Check in gen years, only mature stand in area.2026 YOE: Red maple pole stand mixed with some low quality logs. Fir in mid story throughout most of stand. Scattered large red pine log trees, mostly in eastern part of stand. Maple in understory is heavily browsed.																																																
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11	6229 - Mixed lowland shrub	Nonstocked	6.5	0	Unspecified	No	2026 YOE: Flooded area containing dead/dying swamp conifer and tag alder. Very wet. Possible beaver activity to north.																																																
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12	4139 - Aspen, Mixed Deciduous	Sapling Well	32.1	14	Immature	N/A	2016 YOE: Stand was red pine. Clear cut and allowed to naturally convert to aspen. Good aspen regen mixed with cherry. A few scattered overstory red pine remain. 2026 YOE: Harvested in 2001 as part of the Sliding Ram Mix (45-012-98) timber sale. Same as last entry. Patchy stand in places. Red and jack pine have established in more open areas. Dense cherry in places throughout stand.																																																
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13	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	15.1	49	81-110	N/A	2016 YOE: Low ground stand of variable density. Drainage through stand. Areas of tag alder. Some merchantable timber, but small volume. Check in ten years for growth and added volume.  2026 YOE: Extremely variable stand. Areas of aspen/spruce/ mixed with large diameter red pine surrounded by lowland wet areas of cedar and tag alder. North central part of stand contains largest concentration of large red pine.																																															
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14	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	49.4	12	Immature	N/A	2026 YOE: Red pine planted in 2012. Red pine is around 8 ft tall. Many areas where cherry and/or aspen has taken over. Red pine stocking is around 60%. There's a fair amount of jack pine mixed in which is slightly larger than than the red pine.																																															
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15	6122 - Black Spruce	Poletimber Well	29.9	86	81-110	N/A	2016 YOE: Very wet lowground with small spruce, tamarack and aspen. Leartherleaf in spots.  2026 YOE: Decent black spruce stand. Patchy in spots, but overall good stocking. Mostly medium sized pole timber. Stocking and quality tapers off in northern part of stand. Some tamarack mixed in and a few scattered large white pine.																																															
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16	42110 - Planted Red Pine	Poletimber Well	75.4	21	81-110	N/A	2016 YOE: Red pine planted in 2003.  2026 YOE: Nice looking red pine plantation. Average BA 80 and average diameter of 6". Some mortality gaps present throughout stand. Growing well and should be ready for first thinning next entry. Some cherry in understory along edges and in gaps.																																															
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18	4130 - Aspen	Poletimber Well	9.7	34	51-80	N/A	2016 YOE: Aspen regeneration cut in 1990. 2026 YOE: Nice looking aspen/mixed maple stand. Fully stocked throughout stand. A few scattered conifer throughout stand.																																															
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19	42110 - Planted Red Pine	Sawtimber Well	41.6	87	81-110	N/A	2016 YOE: Thinned in 2019. Partridge Pine 45-1082026 YOE: Mature red pine plantation. Average BA OF 80-90 and average diameter of 16". Hardwood competition in understory throughout stand.																																										
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20	42110 - Planted Red Pine	Poletimber Well	42.5	21	81-110	N/A	2016 YOE: Red pine planted in 2003. 2026 YOE: Nice looking red pine plantation. Average BA 80 and average diameter of 6". Some mortality gaps present throughout stand. Growing well and should be ready for first thinning next entry. Some cherry in understory along edges and in gaps.																																										
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21	4130 - Aspen	Poletimber Well	6.8	24	51-80	N/A	2016 YOE: Aspen regeneration with mix of cherry and red maple. Stand gets lower to south. 2026 YOE: Harvested in 2001 as part of the Sliding Ram Mix (45-012-98) timber sale. Stand is fully stocked and transitioning into pole timber. Some conifer scattered throughout stand. Low wet area in SE part of stand.																																										
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22	42110 - Planted Red Pine	Poletimber Well	19.7	33	141-170	N/A	2016 YOE: Planted in 1991. Just barely merchantable, check for 3rd rowthin next entry. 2026 YOE: Fully stocked red pine plantation. BA is over 160 in most spots with average diameter of 7-8in. Ready for first thinning.																																										
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23	42110 - Planted Red Pine	Sawtimber Well	76.7	87	81-110	N/A	Thinned in 2019. Partridge Pine 45-1082026 YOE: Nice large log sized red pine plantation. Average BA of 90-100 and diameter of 15". Cherry and maple understory throughout stand.																																										
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Conifers	Medium	< 5 feet	Sapling																																														



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25	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	75.1	12	Immature	N/A	Red pine planted in 2012.  2026 YOE: Heavy black cherry competition throughout stand, although a good amount is standing dead from recent release spray. Stand is only about 60% stocked with red pine. Red pine range from 6-8 ft tall. Fair amount of jack pine mixed in throughout stand. Cherry competition is 1-2" diameter. Stand would benefit greatly from TSI release and interplant.																																																			
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26	6122 - Black Spruce	Poletimber Medium	3.7	55	1-50	N/A	2026 YOE: Small black spruce inclusion surrounded by young aspen stand. Clumpy stand. Where black spruce is absent, contains open bog.																																																			
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27	6122 - Black Spruce	Poletimber Medium	4.1	74	1-50	N/A	2026 YOE: Poor to medium stocked swamp conifer mixed with maple and birch. Wet sphagnum site. Mostly small, stunted trees.																																																			
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28	4199 - Other Mixed Upland Deciduous	Sapling Well	86.6	5	Immature	N/A	2016 YOE: Stand is variable mix of aspen with areas of openings with cherry. Large stand of variable quality. Consider treating southern half this entry for age class considerations. Cut in 2019 (Loud Hound 45-119-16)  2026 YOE: Stand has regenerated nicely with clumps of aspen surrounded by cherry, maple and some spruce/fir. Residual trees of various species and sizes scattered throughout stand.																																																			
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29	6229 - Mixed lowland shrub	Nonstocked	17.9			No	2026 YOE: Sparse scattered spruce and tamarack mixed with tag alder. Very wet. Small pocket of mature spruce in western part of stand.																																																			
30	4130 - Aspen	Poletimber Well	25.0	25	51-80	N/A	2016 YOE: Aspen regeneration cut in 1999. 2026 YOE: Fully stocked aspen stand mixed with spruce, fir and some maple. Stand has mostly transitioned into a small pole stand. More conifer in SE part of stand. Maple in understory is heavily browsed.																																																			
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31	4134 - Aspen, Spruce/Fir	Poletimber Well	25.7	23	1-50	N/A	2016 YOE: Cut in 2001. Mix of aspen, cherry and spruce\balsam2026 YOE: Stand is a fully stocked mixed aspen stand. Stand has just reached the poletimber class. Conifer present, but in large patches. Maple and cherry regen present throughout stand, but has moderate browse.																																											
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32	4112 - Maple, Beech, Cherry Association	Sawtimber Well	26.1	73	81-110	N/A	2016 YOE: Stand of pole diameter mixed maple, mostly red. Not overly high basal area at this time, check in 10 years.2026 YOE: Decent hardwood stand with a mix of red and sugar maple. Many overmature, large diameter stems. Good layer of regen present with minimal browse, but needs release. Some crown dieback present.																																											
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33	6120 - Lowland Cedar	Poletimber Well	98.1	110	141-170	N/A	2016 YOE: Stand of cedar with pockets of tamarack. Some balsam and spruce in areas. 2026 YOE: Same as last entry. Some blowdown present. Some mortality in tamarack. Variable sizes with cedar, but overall a pole size stand.																																											
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35	6124 - Lowland Spruce-Fir	Poletimber Well	18.3	59	81-110	N/A	2016 YOE: Stand of lowland mix of cedar, spruce, and tamarack. Some birch and white pine on stand edge. 2026 YOE: Same as last entry. Smaller diameters and very wet in spots. Hendrie River tributary running along northern edge of stand.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
36	623 - Emergent Wetland	Nonstocked	54.5		Unspecified	No	2026 YOE: River floodplain with scattered swamp conifer and tag alder.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Tag Alder	Medium	5 - 10 feet	Tall Shrub	
								Northern White Cedar	Low	Variable	Pole	
								Tamarack	Low	Variable	Sapling	
37	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	102.5	12	1-50	N/A	2016 YOE: Stand is variable upland and lowland. Aspen regeneration with mix of cherry and spruce and balsam throughout.  2026 YOE: Harvested in 2012 as part of the September Rain (45-120-06) timber sale. Same last entry. Mix of species regenerating. Mostly 15-20ft tall. Residual overstory white pine scattered throughout stand, some individual and some in clumps. Residual cedar left on west edge.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Paper Birch	10	Sapling	3	
								Red Maple	20	Sapling	3	12
								Quaking Aspen	30	Sapling/Pole	4	12
								Black Cherry	10	Sapling	3	
								Balsam Fir	10	Sapling	2	
								White Spruce	10	Sapling	2	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Maple (spp.)	Medium	< 5 feet	Sapling	
White Pine	Low	< 5 feet	Sapling									
38	4139 - Aspen, Mixed Deciduous	Sapling Well	13.3	5	1-50	N/A	2026 YOE: Harvested in 1992. Variable sized mixed aspen and maple stand. Aspen regenerating well where it was present before harvest. Aspen regen is surrounded by patches of pole size maple. Some regen in these areas.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black Cherry	6	Sapling/Pole	4	
								Quaking Aspen	45	Sapling	2	5
								Paper Birch	10	Sapling/Pole	4	
								Balsam Fir	10	Sapling/Pole	4	
								Red Maple	29	Pole	6	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Balsam Fir	Medium	Variable	Sapling	
								Red Maple	Medium	Variable	Sapling	
39	6112 - Lowland Aspen	Poletimber Well	50.6	29	1-50	N/A	2016 YOE: Stand was cut in 1995. Beech was left as mast source, hammered by beech bark disease.  2026 YOE: Nice mixed aspen stand. High and low ground present. Mostly fully stocked except for some open/poorly stocked areas. Not much overstory beech observed. Pockets of scattered beech brush present though.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Quaking Aspen	55	Pole/Sapling	5	29
								Balsam Fir	15	Sapling/Pole	4	
								White Spruce	5	Sapling/Pole	4	
								Red Maple	10	Sapling/Pole	4	
								Balsam Poplar	15	Sapling/Pole	4	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Balsam Fir	Low	< 5 feet	Sapling	
								Beech	Low	Variable	Sapling	
Maple (spp.)	Medium	< 5 feet	Sapling									
40	4134 - Aspen, Spruce/Fir	Poletimber Well	98.1	21	51-80	N/A	2016 YOE: Aspen regeneration cut in 2003. 2026 YOE: Fully stocked stand in most places. Some wet, open areas. Stand as a whole is a mix of high and low ground with a variety of species. Aspen is the most dominant species. Variable diameters throughout stand, but overall an immature pole stand.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black Cherry	10	Sapling/Pole	4	
								Balsam Fir	10	Sapling/Pole	4	
								Paper Birch	10	Sapling/Pole	4	
								Quaking Aspen	40	Pole/Sapling	5	21
								Red Maple	20	Pole/Sapling	5	
								White Spruce	10	Sapling/Pole	4	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Maple (spp.)	Medium	< 5 feet	Sapling	
Black Cherry	Low	< 5 feet	Sapling									
Balsam Fir	Low	< 5 feet	Sapling									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
<b>41</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	18.9	80	81-110	N/A	2016 YOE: Thin in 2008. Mostly low quality red maple, but some decent sugar maple.																																																		
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<b>42</b>	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	22.6	70	81-110	N/A	2016 YOE: Stand was reserved as buffer for raptor nest in 2008. Red maple with mix of birch, aspen, balsam, and spruce. Some large overstory white pine. Leave stand for diversity. Revisit in 10 years. 2026 YOE: Variable stand. Red maple, fir and spruce in south and red maple mixed with hemlock in north. Mortality has created gaps throughout stand. Good amount of regen where canopy is more open. Scattered, large white pine throughout stand.																																																		
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<b>43</b>	629 - Mixed non-forested wetland	Nonstocked	16.6		Unspecified	No	2026 YOE: Riparian area around the West Branch Hendrie River. Tag alder and scattered swamp conifer.																																																		
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<b>44</b>	6120 - Lowland Cedar	Poletimber Well	278.4	115	141-170	N/A	2016 YOE: Large cedar stand that varies from point to point. Where ground is slightly higher there is mix of red maple, birch and some white pine. Cedar is short, 2 sticks and smaller diameter. 2026 YOE: Same as last entry. Variable stand with BA and diameter. Very wet in spots.																																																		
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<b>45</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	39.5	87	81-110	N/A	2016 YOE: Lowland cedar and tamarack. Some places very small diameter and wet. Some white pine in areas with a little higher ground. Not merchantable or accessible, surrounded by large cedar stand.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**46** 6117 - Lowland Deciduous, Mixed Coniferous Sapling Medium 38.8 16 Immature N/A

2016 YOE: Stand was cut in 2008. Aspen regeneration with mix of spruce and balsam. A few residual overstory white pine. 2026 YOE: Wet stand consisting of tag alder, birch and aspen. Some scattered conifer. Medium stocking at best with commercial species. Residual, large white pine still present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	5	Sapling	2		Tag Alder	High	Variable	Tall Shrub
White Pine	5	Log	12		Black Spruce	Low	< 5 feet	Sapling
Black Cherry	10	Sapling	2		Northern White Cedar	Low	< 5 feet	Sapling
Balsam Fir	15	Sapling	3					
Paper Birch	40	Sapling	2	16				
Red Maple	10	Sapling	2					

**47** 6120 - Lowland Cedar Poletimber Well 2.7 110 141-170 N/A

2016 YOE: Small portion of large cedar stand in adjacent compartment.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	6		Balsam Fir	Low	Variable	Sapling
Paper Birch	10	Pole	8					
Black Spruce	15	Pole	6					
Northern White Cedar	70	Pole	8	110				

2026 YOE: Fully stocked cedar stand with variable diameters. Retention left from adjacent clearcut. Extends into compartment to south.

**48** 6120 - Lowland Cedar Poletimber Poor 57.7 62 1-50 N/A

2026 YOE: Lowland floodplain area with West Branch Hendrie River and a tributary running through it. Mostly tag alder and patches of swamp conifer.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	75	Pole/Sapling	5	62	Tag Alder	High	5 - 10 feet	Tall Shrub
Tamarack	10	Sapling/Pole	4		Conifers	Medium	Variable	Sapling
Black Spruce	10	Sapling/Pole	4					
Paper Birch	5	Sapling/Pole	4					

**49** 6124 - Lowland Spruce-Fir Poletimber Medium 43.6 76 51-80 N/A

2016 YOE: Stand is variable pockets of very wet spruce in leatherleaf to some sand ridges with a little birch and white pine. The merchantable parts of the stand were included in sale in adjacent compartments.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	10	Pole	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	15	Pole	6		Conifers	Low	Variable	Sapling
Paper Birch	10	Pole	8					
Balsam Fir	15	Pole	6					
Tamarack	10	Pole	6					
White Pine	5	Log	12					
Black Spruce	35	Pole	6	76				

2026 YOE: Same as last entry. Low quality stand with small diameters. Limited access and very wet. Many open areas with seasonal standing water.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
<b>50</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	60.0	45	81-110	N/A	2016 YOE: Stand is variable mix of aspen with areas of openings with cherry. Large stand of variable quality. Consider treating southern half this entry for age class considerations.  2026 YOE: Same as last entry. Former southern part of stand was harvested last entry. Aspen in current stand is mature although in patches. Wide variety of species. Heavy conifer component throughout stand. Maple regen present throughout whole stand. Some browse present.																																																									
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Maple (spp.)	Medium	Variable	Sapling																																																													
<b>51</b>	6122 - Black Spruce	Poletimber Medium	15.3	76	51-80	N/A	2026 YOE: Variable stand of lower quality black spruce mixed with some tamarack and birch. Very wet and mostly small diameters.																																																									
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<b>52</b>	6229 - Mixed lowland shrub	Nonstocked	13.1		Immature	No	2026 YOE: Formerly the southern half of stand 15. Mostly tag alder mixed with scattered swamp conifer. Sparse trees that are present are low quality, stunted, and dead/dying. Very wet site.																																																									
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<b>53</b>	6229 - Mixed lowland shrub	Nonstocked	1.3	0	Unspecified	No	2026 YOE: Formerly part of stand 5. Tag alder inclusion with narrow drainage.																																																									
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<b>54</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	6.1	71	81-110	N/A	2026 YOE: Formerly part of stand 15. Mix of swamp conifer and deciduous. Wet throughout most of stand. Cedar is mostly concentrated in southern part of stand. Large diameter, scattered white pine throughout stand. Some mortality present. Challenging access to stand.  Decent black spruce stand. Patchy in spots, but overall good stocking. Mostly medium sized pole timber. Stocking and quality tapers of in northern part of stand. Some tamarack mixed in and a few scattered large white pine. Two small patches of slightly larger diameter spruce mixed with more white pine present in southern part of stand.																																																									
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