



# Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45047

Entry Year 2021

Acreage: 1,949

County Chippewa

Management Area: North Rudyard

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**Revision Date:** 2019-07-29

**Stand Examiner:** Josh Brinks

**Legal Description:**

Kinross Township: T45N R2W Sections 6,7,18; Superior Township: T46N R2W Section 31;

**Identified Planning Goals:**

This compartment is within the North Rudyard Management Area.. There has been a lot of management in this long narrow compartment. This YOE we will be focusing our management on a few scattered patches of mature timber along Spile Dam Road and in the detached 40 to the south. The goal for all treatments will be the regeneration of a healthy stand of timber while enhancing the areas wildlife habitat.

**Soil and topography:**

The soils in this compartment are extremely variable but can be generalized into poorly drained to hydric over the majority of the area to well drained sandy loams in the very south of section 7 and in section 18. The topography is level, with slopes less then 3% until you reach the area with the sandy loam soils. A steep ridge rises in the NWNW of section 18. This ridge is steep enough to somewhat limit harvesting and access except under the most optimal conditions. Local timber producers are generally not comfortable operating on these slopes.

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

This block of ownership has state land on the east and west with private on the north and south. The SESE of 18 was once an old dumpsite. Private lands in the area consist of some cabin and several permanent residences.

**Unique Natural Features:**

**Archeological, Historical, and Cultural Features:**

**Special Management Designations or Considerations:**

The southern portion of this compartment lies within an obligate deer wintering area.

**Watershed and Fisheries Considerations:**

Fisheries Values: good

Fisheries Concerns: Waishka River is a warm water stream and is relatively wide running through this compartment. The fish community primarily consists of minnows, suckers, and chubs. Standard BMP's should be applied to any stands where treatments are proposed. For the small portion that is within the Northern Lake Huron Management Unit, there are no water features and no Fisheries concerns.

**Wildlife Habitat Considerations:**

This compartment is part of the North Rudyard MA where featured wildlife species include American woodcock, red-shouldered hawk, ruffed grouse, and white-tailed deer. Lowland cover types are dominant including lowland aspen, shrub alder and willow, lowland spruce, tamarack, and cedar as well as interspersed wet marshy openings. Some mature northern hardwoods are present as well as some upland aspen. Most aspen is relatively young resulting from a large harvest during a previous year of entry, and support ruffed grouse, woodcock, snowshoe hare, and deer as well as other wildlife. Tributaries of the Waishka River cut through the north end of the compartment, and beaver activity is common. Some smaller openings are present in the southern part of the compartment as well as in a few places near the tributaries further north. The south end is part of deer wintering complex. The entire compartment receives a good deal of recreational hunting pressure.

Wildlife objectives for aspen types primarily involve allowing them to continue to mature, supporting grouse, woodcock, deer, hare, and bear. When stands mature further in the future, managing for greater age class diversity in aspen types should be considered. One stand will be harvested to maintain the early successional habitat. Tree species and structural diversity will be encouraged in a northern hardwood stand. Oak and other mast-bearing species will be retained as a food source for wildlife. Stream buffers and interstand wetland features, including vernal ponds should be buffered and

protected. Scotch pine removal was an objective in the past and will continue to be an objective. Existing openings will be retained. Cedar and other lowland conifer cover will generally be maintained to provide cover, particularly in deer wintering complex.

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

Several active sand/gravel pits exist just to the southeast, along Thompson Road. The best sand & gravel potential is in Section 18. Potential appears to be limited elsewhere in the compartment. There does not appear to be any bedrock non-metallic mineral potential in the compartment. There is no known metallic mineral potential in this area, and there is no current economic oil and gas production in the UP.

### **Vehicle Access:**

The Tilson Road traverses the east side from north to south. The Spile Dam road enters off Tilson Rd and crosses the center of section 7 and has a gate at both ends. The Maple Block Road starts in section 7 and crosses into section 18. No new permanent roads are planned or necessary at this time. Previous timber sale roads have been bermed.

### **Survey Needs:**

None needed.

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

The Spile Dam Road is a snowmobile trail and receives moderate use. Other activities include deer and grouse hunting, and mushroom picking in the spring. No ORV trails in this comp.

### **Fire Protection:**

Access is good in the southern portion but limited in the north. Water sources would be local streams and ponds along Tilson Rd.

### **Additional Compartment Information:**

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

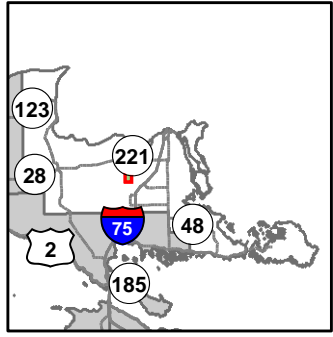
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

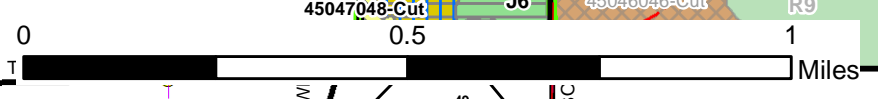
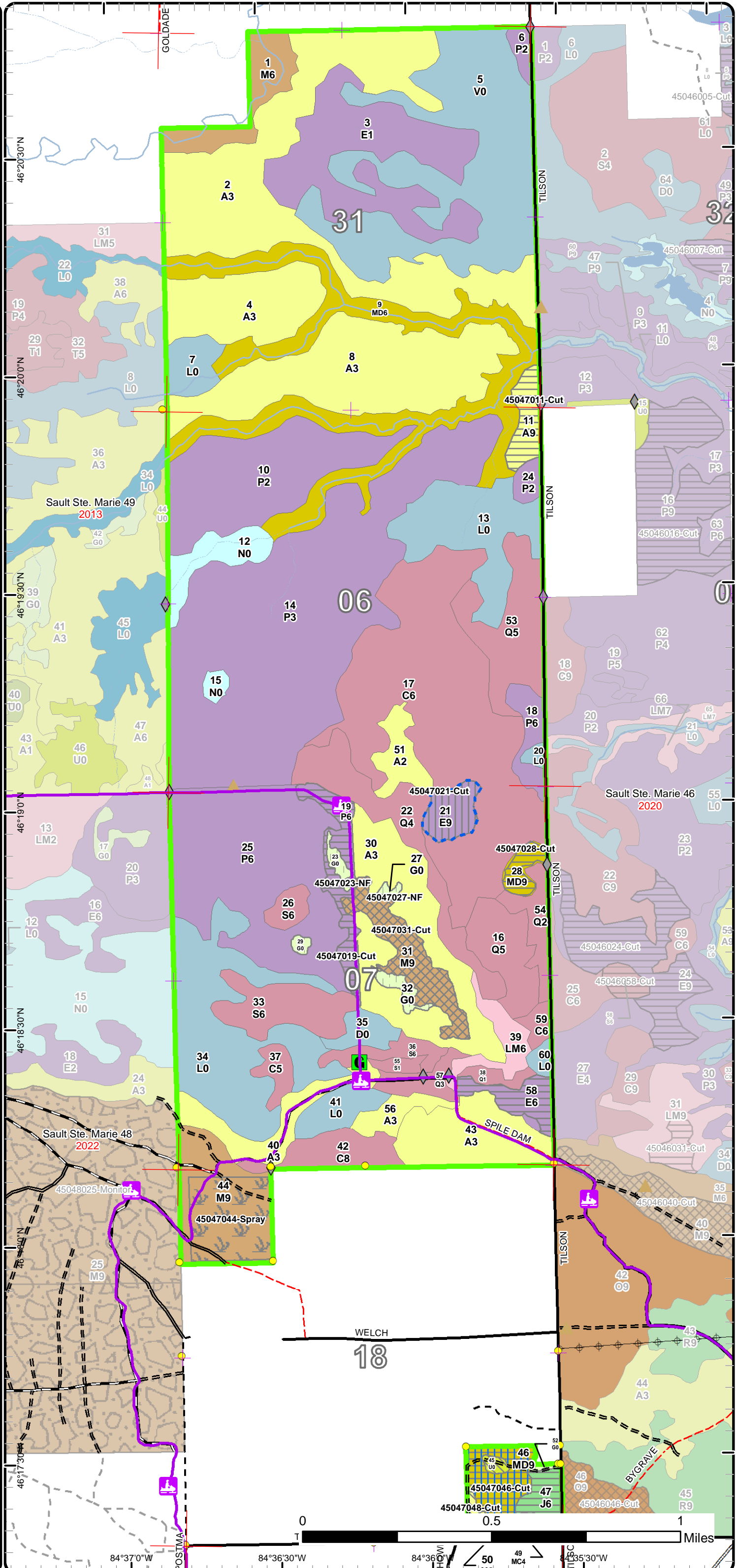
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 47  
 T45N,R02W, Sec. 6, 7, 18  
 T46N, R02W, Sec. 31  
 County: Chippewa  
 Unit: Sault Ste. Marie  
 Mgmt Area: North Rudyard  
 YOE: 2021  
 Acres: 1,949 GIS Calculated  
 Examiner: Josh Brinks  
 Map Revised: 8/16/2019  
 Map Phase: Web Post



- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Berms
- Gate
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Pesticide
- Other Harvest - See Comments
- Selection (Group, Single Tree)
- Planting (tree species)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- Opening Maintenance
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

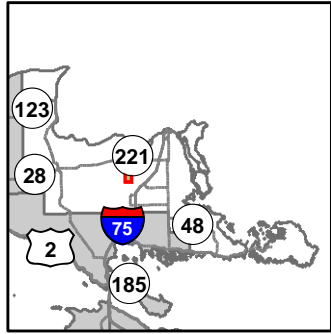


84°37'0"W 84°36'30"W 84°36'0"W 84°35'30"W

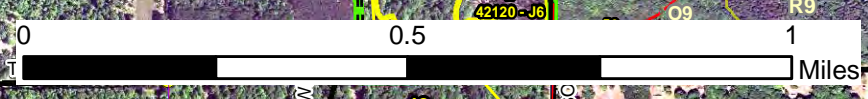
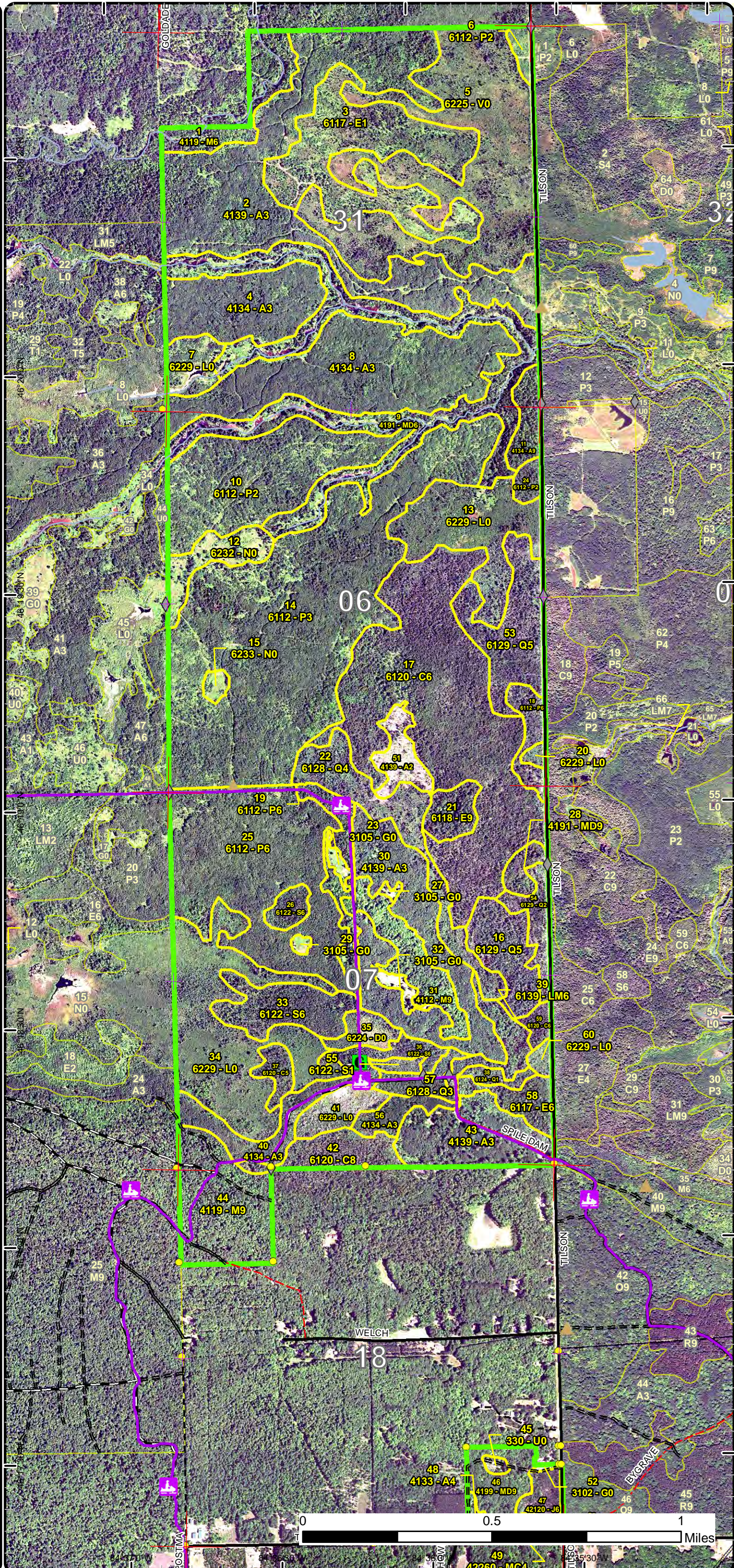


# Stand Boundary Map

Compartment: 47  
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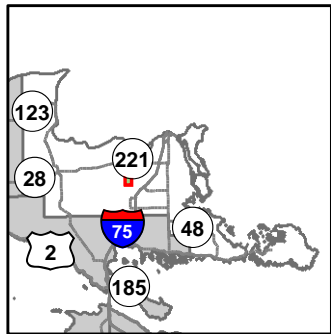
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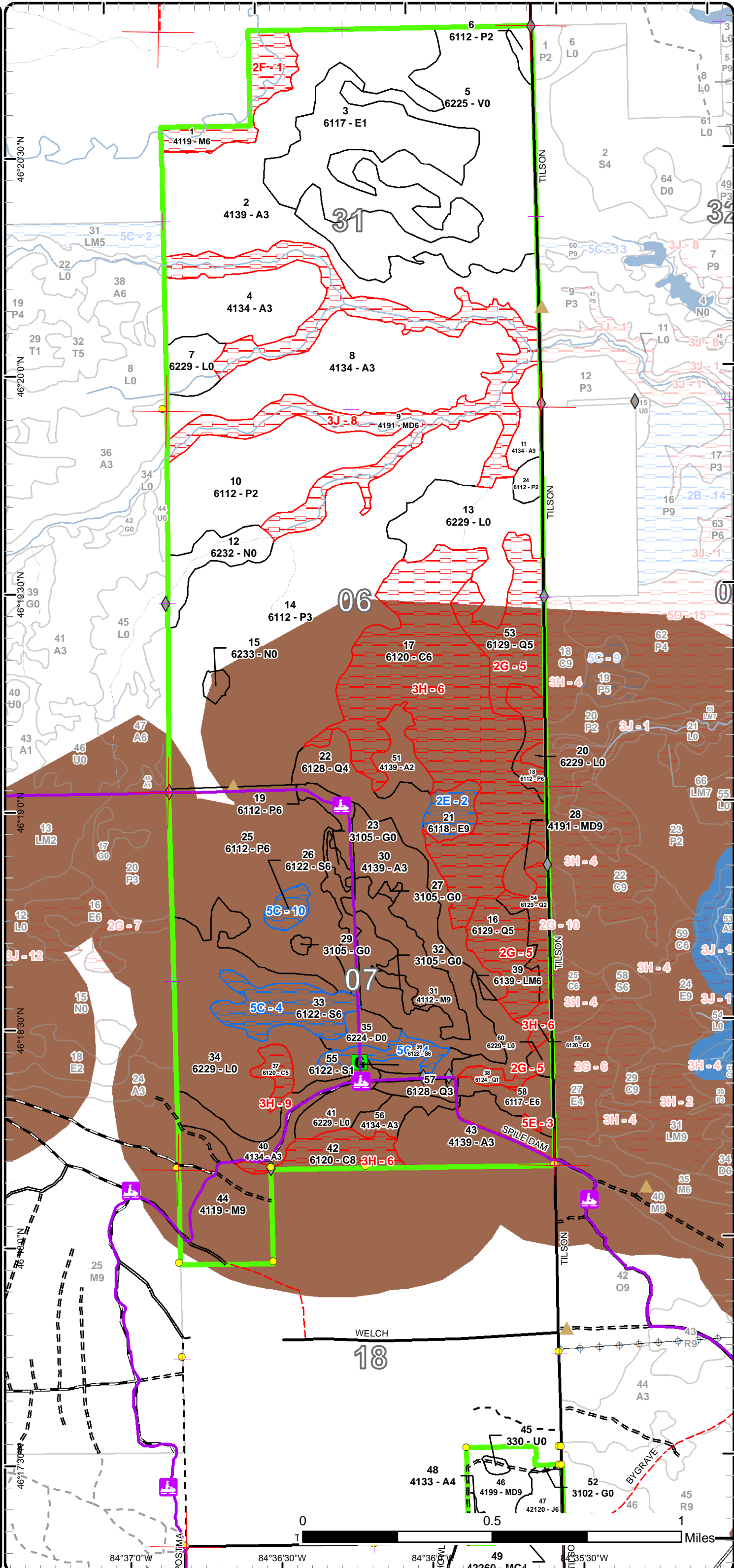


# Special Conservation Areas & Site Conditions Map

Compartment: 47  
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 T46N, R02W, Sec. 31  
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- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Berms
- G Gate
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2E: Road needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- 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	13	323	96	0	0	0	0	0	11	0	0	0	0	0	0	0	0	443
Bog	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133
Cedar	0	0	0	0	0	0	0	0	0	0	173	0	0	0	0	0	0	19	191
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Jack Pine	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	10
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	4	302	0	115	0	0	0	0	18	0	0	0	0	0	0	0	11	450
Lowland Conifers	0	0	0	9	0	0	66	0	0	0	51	0	0	0	0	0	0	0	126
Lowland Deciduous	0	0	79	0	0	0	0	0	12	0	0	0	0	0	0	0	11	0	102
Lowland Mixed Forest	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Shrub	162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	162
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	45	0	0	0	0	0	0	0	45
Marsh	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	109	7	0	0	0	0	0	0	20	135
Natural Mixed Pines	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Northern Hardwood	0	0	0	0	0	0	0	0	0	47	0	0	0	0	0	0	0	47	94
Treed Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
<b>Total</b>	<b>337</b>	<b>17</b>	<b>704</b>	<b>105</b>	<b>117</b>	<b>10</b>	<b>66</b>	<b>13</b>	<b>12</b>	<b>185</b>	<b>276</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>97</b>	<b>1948</b>



## Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit  
Year of Entry: 2021

Acres of Harvest

Compartment 47  
Total Compartment Acres: 1,949

Commercial Harvest - 106  
Harvests with Site Condition - 11  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	11	0	0	0	0	0	0	3		14
Jack Pine	10	0	0	0	0	0	0	0		10
Low-Density Trees	0	0	0	0	0	0	0	2		2
Lowland Aspen/Balsam Poplar	18	0	0	0	0	0	0	0		18
Lowland Deciduous	12	0	0	0	11	0	0	0		23
Mixed Upland Deciduous	6	0	0	20	0	0	0	0		26
Natural Mixed Pines	0	0	0	0	0	0	0	2		2
Northern Hardwood	0	24	0	0	0	0	0	0		24
<b>Total</b>	<b>56</b>	<b>24</b>	<b>0</b>	<b>20</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>6</b>		<b>117</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	117	0	1	0	0	31	0	0	9	157
Next Step	0	31	10	0	0	17	132	0	15	204
<b>Total</b>	<b>117</b>	<b>31</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>47</b>	<b>132</b>	<b>0</b>	<b>23</b>	<b>361</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	Approval Status
11	45047011-Cut	11.2	4134 - Aspen, Spruce/Fir	Sawtimber Well	87	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees down to 2" in DBH. Do not cut pine, hemlock, yellow birch, cedar or oak. As per Fisheries Division leave a minimum 100' buffer along the streams. Run redline at the top of the hill, staying back from the edge 10-20'											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regen includes aspen, birch, maple, oak, pine, spruce and fir.											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
19	45047019-Cut	17.6	6112 - Lowland Aspen	Poletimber Well	87	111-140	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Cut all trees down to 2". Do not cut oak, hemlock, pine, cedar or yellow birch. When running the west line mark mature aspen trees with boundary paint as retention. Do not leave any other retention to avoid trees falling into the road.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regeneration includes aspen, paper birch, spruce, fir, maple, pine, cedar, and oak.											
<u>Other Comment:</u> Cut stand in the summer to avoid safety issues with the snowmobile trail. Harvest the strip of mature trees on the east side of the trail in order to open the ditch/shoulder back up.											
<u>Proposed Start Date:</u> 10/1 /2020											
21	45047021-Cut	11.0	6118 - Lowland Deciduous with Cedar	Sawtimber Well	160	81-110	Harvest	Shelterwood	611 - Lowland Deciduous Forest	Two-Aged	Proposal
<b>Habitat Cut: No</b>			<b>Site Condition: Road Needed</b>								
<u>Prescription</u> Leave all yellow birch, cedar, pine, oak and hemlock. Also leave legacy red maple. Cut all other trees down to 2" at DBH.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regeneration includes maple, birch, cedar, spruce, fir and pine.											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
23	45047023-NF	2.5	3105 - Mixed Upland Herbaceous	Nonstocked			NonForestMgt	Brush Cutting	310 - Herbaceous Openland		Proposal
<b>Habitat Cut: No</b>			<b>Site Condition:</b>								
<u>Prescription</u> Maintain opening by cutting advanced regen using mechanical or hand tools.											
<u>Specs:</u>											
<u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting											
<u>Treatments:</u>											
<u>Acceptable Regen:</u>											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
27	45047027-NF	1.1	3105 - Mixed Upland Herbaceous	Nonstocked			NonForestMgt	Brush Cutting	310 - Herbaceous Openland		Proposal
			<b>Habitat Cut: No</b>		<b>Site Condition:</b>						
<u>Prescription</u> Maintain opening by cutting advanced regen using mechanical or hand tools.											
<u>Specs:</u>											
<u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
28	45047028-Cut	5.6	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	90	111-140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
			<b>Habitat Cut: No</b>		<b>Site Condition:</b>						
<u>Prescription</u> Cut all deciduous trees that are 2" or more in DBH and conifer trees that are 4" or more in DBH. Do not cut cedar, hemlock, pine, yellow birch or oak.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable</u> Acceptable regeneration includes maple, aspen, birch, spruce, fir, pine, cedar.											
<u>Regen:</u>											
<u>Other</u> There is red line around a portion of this stand from the old SBW treatment that use to be on it. Sell with stand across the road in compartment											
<u>Comment:</u> 46.											
<u>Proposed Start Date:</u> 10/1 /2019											
29	45047029-NF	1.3	3105 - Mixed Upland Herbaceous	Nonstocked			NonForestMgt	Brush Cutting	310 - Herbaceous Openland		Proposal
			<b>Habitat Cut: No</b>		<b>Site Condition:</b>						
<u>Prescription</u> Maintain opening by cutting advanced regen using mechanical or hand tools.											
<u>Specs:</u>											
<u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
31	45047031-Cut	24.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	88	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
			<b>Habitat Cut: No</b>		<b>Site Condition:</b>						
<u>Prescription</u> Thin stand to 70-80 BA. Remove all merchantable balsam fir. Create regen gaps approximately 1 tree length in diameter. Open up regen gaps around oak and yellow birch to enhance regeneration.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)											
<u>Treatments:</u>											
<u>Acceptable</u> Acceptable regeneration includes maple, birch, oak, aspen, spruce, fir, pine, and cedar.											
<u>Regen:</u>											
<u>Other</u> There is a wet area in the middle of the stand, check to see if it is a vernal pond, if so buffer it. Cut in the summer to avoid safety issues with the											
<u>Comment:</u> snowmobile trail.											
<u>Proposed Start Date:</u> 10/1 /2020											





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
32	45047032-NF	3.7	3105 - Mixed Upland Herbaceous	Nonstocked			NonForestMgt	Brush Cutting	310 - Herbaceous Openland		Proposal

**Habitat Cut: No****Site Condition:**

Prescription Maintain opening by cutting advanced regen using mechanical or hand tools.

Specs:

Next Step NonForestMgt, Herbaceous/Crop/Grass Planting

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

44	45047044-Spray	30.6	4119 - Mixed Northern Hardwoods	Sawtimber Well	110	81-110	Pesticide	ERROR	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
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**Habitat Cut: No****Site Condition:**

Prescription Herbicide under the MSU research guidance.

Specs:

Next Step SitePrep, Scarification

Treatments:

Acceptable northern hardwoods

Regen:

Other Percent to Treat = 6%

Comment:

Proposed Start Date: 10/1 /2019

45	45047045-Cut	1.6	330 - Low-Density Trees	Nonstocked			Harvest	Other - Specify	4319 - Mixed Upland Forest	Even-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Remove all scotch pine from this stand. Remove the trees of merchantable size via a timber harvest with adjacent stands. Cut down to 1".

Specs:

Next Step NonForestMgt, Brush Cutting; Pesticide, Other - Specify

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

46	45047046-Cut	20.2	4199 - Other Mixed Upland Deciduous	Sawtimber Well	85	111-140	Harvest	Seed Tree with Retention	412 - Oak Types	Two-Aged	Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Leave 20-30 BA of oak and maple. Focus leave trees on oak whenever possible.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Acceptable regen includes oak, maple, birch, pine.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
47	45047047-Cut	9.7	42120 - Planted Jack Pine	Poletimber Well	49	81-110	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u> Cut all jack pine down to 2" in DBH.											
<u>Specs:</u>											
<u>Next Step</u> Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Skidder - Release; Monitoring, Forest											
<u>Treatments:</u> Health											
<u>Acceptable</u> Fully Stocked Red pine.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
48	45047048-Cut	2.9	4133 - Aspen, Mixed Pine	Poletimber Poor	26	1-50	Harvest	Other - Specify	4319 - Mixed Upland Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u> Remove all scotch pine from this stand. Remove the trees of merchantable size via a timber harvest with adjacent stands. Cut down to 1".											
<u>Specs:</u>											
<u>Next Step</u> NonForestMgt, Brush Cutting; Pesticide, Other - Specify											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
49	45047049-Cut	1.7	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	31	1-50	Harvest	Other - Specify	4319 - Mixed Upland Forest	Even-Aged	Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u> Remove all scotch pine from this stand. Remove the trees of merchantable size via a timber harvest with adjacent stands. Cut down to 1".											
<u>Specs:</u>											
<u>Next Step</u> NonForestMgt, Brush Cutting; Pesticide, Other - Specify											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
52	45047052- Plant	0.6	3102 - Grass	Nonstocked			Planting	Initial Plant	4211 - Planted Red Pine	Even-Aged	Proposal
<b>Habitat Cut: No</b>		<b>Site Condition:</b>									
<u>Prescription</u> Plant this stand along with adjacent stand 47. At that time merge the two stands together.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Skidder - Release; Monitoring, Forest Health											
<u>Treatments:</u>											
<u>Acceptable</u> Fully Stocked Red Pine											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											





S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
58	45047058-Cut	11.6	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	73	81-110	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Proposal

**Habitat Cut: No****Site Condition:**

Prescription Cut all trees down to 2" in DBH. Leave all cedar, pine, oak, yellow birch and hemlock. Also leave the patch of thick cedar in the south east corner for retention.

Next Step Monitoring, Natural Regen (Intermediate)  
Treatments:

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

Other Comment: Instead of an operating restrictions use a caution on this stand. Because of safety concerns with the snowmobile trail and Tilson rd. WLD has agreed to allow harvesting outside of the normal winter restrictions. Cut in the 2020 YOE with the sale in compartment 46. This is done to keep the winter jobs together.

Proposed Start Date: 10/1 /2019

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**Total Treatment  
Acreage Proposed: 157.2**

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 47

Year of Entry: 2021

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions							
		With Condition	Not Available		2E	5C	2F	2G	3H	3J	5E	
443	443	0	0	Aspen		0	0					
133	133	0	0	Bog								
191	0	0	191	Cedar						191		
9	9	0	0	Herbaceous Openland								
10	10	0	0	Jack Pine								
2	2	0	0	Low-Density Trees								
450	439	0	11	Lowland Aspen/Balsam Poplar		0				11		
126	47	0	79	Lowland Conifers				79				
103	91	11	1	Lowland Deciduous	11							1
13	13	0	0	Lowland Mixed Forest								
162	162	0	0	Lowland Shrub		0						
45	3	42	0	Lowland Spruce/Fir		42						
20	20	0	0	Marsh								
136	27	0	109	Mixed Upland Deciduous							109	
2	2	0	0	Natural Mixed Pines								
95	72	0	23	Northern Hardwood			23					
9	9	0	0	Treed Bog		0						
2	2	0	0	Urban								
1,949	1,481	53	414	Total Forested Acres	11	42	23	79	202	109	1	
	76%	3%	21%	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	2F: Too steep	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Available	2E: Road needed	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 47

Year of Entry: 2021

3	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	36	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Comments suggest merchantable stems. Changed site condition from 2G to 5C for another look.							
5	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	79	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	195	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Cedar stand in the deer yard, some areas are too wet for operations.							
8	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	109	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Obligate deer yard.							

**Report 4 – Site Conditions**

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 47

Year of Entry: 2021

10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Comments suggest merchantable stems. Changed site condition from 2G to 5C for another look.							



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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
1	4119 - Mixed Northern Hardwoods	Poletimber Well	22.9	87	111-140	N/A	West branch of the Waiska River runs through the middle of this stand. Steep slopes down to the river. A little bit of an L/flood plain adjacent to river. The area on the west side of the river looks like it may have been cut sometime in the past and has resulted in a thick stand of small pole size maple and yellow birch. Areas on the east side of the river are more log size maple with fir.																																												
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2	4139 - Aspen, Mixed Deciduous	Sapling Well	141.3	16	Immature	N/A	Sale 45-002-01-01, cut in 2003, cedar, hemlock, and pine reserved, scattered swamp white oak. Most of the stand is more upland with some low areas. Canopy is fully stocked and doing well.																																												
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3	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Poor	79.3	12	Immature	N/A	Sale 45-002-01-01, cut in 2007, pine reserved if any. This was some of the lower ground on the sale which is taking longer to reach rully stocked. There looks to be enough spruce and fir starting to regenerate to fill in a lot of the more open areas. Lots of paper birch regen in this stand compared with the adjacent aspen. Things are just taking a bit longer but it is looking promising. Decent amount of tag alder and willow throughout this stand.																																												
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4	4134 - Aspen, Spruce/Fir	Sapling Well	45.4	12	Immature	N/A	Sale 45-002-01-01, cut in 2007, cedar, oak, hemlock, and pine reserved if any. Some low areas that are poorly drained. Aspen is doing great.																																												
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5	6225 - Bog	Nonstocked	132.9			No	This stand is still mostly bog with low density trees and small clumps of white pine, jack pine, aspen, birch, spruce, tamarack. It would not surprise me if this is typed as a forested stand in the future.																																												
6	6112 - Lowland Aspen	Sapling Medium	4.4	7	Immature	N/A	Stand was cut in November of 2012. Regen is coming in okay with some areas of tag alder. A few scattered pole size aspen, fir and spruce can be found along with paper birch snags.																																												
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7	6229 - Mixed lowland shrub	Nonstocked	12.9			No																																																							
8	4134 - Aspen, Spruce/Fir	Sapling Well	97.1	14	Immature	N/A	Sale 45-002-01-01, cut in 2005, cedar, oak, hemlock, and pine reserved if any. Some areas of this stand are lowland with tag alder under the aspen regen.																																																						
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9	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	109.4	87	111-140	N/A	This is a buffer stand along the streams. It is characterized by steep slopes down to the water. The bottom of the ravines have tag alder growing on the flood plains adjacent to the water. The slopes have a mixed stand of aspen, hardwoods and conifers.																																																						
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10	6112 - Lowland Aspen	Sapling Medium	74.6	12	Immature	N/A	Sale 45-002-01-01, cut in 2007, cedar, oak, hemlock, and pine reserved if any. There is quite a bit of this stand that is tag alder with very little aspen growing in it. In the future we may be able to type out some L types as the aspen starts to out grow the tag alder. Tag alder has filled in the roads in this stand.																																																						
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11	4134 - Aspen, Spruce/Fir	Sawtimber Well	11.2	87	111-140	N/A	Aspen stand with a steep ban down to the river. Aspen is very large and is starting to decline. A few swamp white oak and red pine can be found in this stand.																																																						
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12	6232 - Wet Prairie	Nonstocked	17.0			No	Wet grassy area growing on the banks of the stream.																																																						
13	6229 - Mixed lowland shrub	Nonstocked	48.1			No																																																							





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
14	6112 - Lowland Aspen	Sapling Well	227.4	14	Immature	N/A	Sale 45-002-01-01, cut in 2005, cedar, oak, hemlock, and pine reserved if any. The regeneration has done well for the most part but there are some larger patches of tag alder. The logging road is fairly grown in with tag alder.																																																	
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15	6233 - Wet Meadow	Nonstocked	2.9			No	Wet grassy area																																																	
16	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	24.0	59	1-50	N/A	Stand of Small pole and sapling size tamarack and black spruce. Canopy is a bit open but there are a lot of saplings in the understory working on filling it in. Diameters and canopy density are higher on the west side of the stand.																																																	
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17	6120 - Lowland Cedar	Poletimber Well	161.3	90	141-170	N/A	Old logging road still used as walking trail for hunting and trapping, no sign of use by ORVs, signs of a few deer, but this stand is not holding deer for the winter, when the 728 acres was cut to the west, there were NO DEER in the cut, in the winter.																																																	
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18	6112 - Lowland Aspen	Poletimber Well	11.1	90	81-110	N/A	Mixed stand of aspen, spruce/fir and cedar. The cedar is scattered throughout the stand but is mostly in the understory.																																																	
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19	6112 - Lowland Aspen	Poletimber Well	17.6	87	111-140	N/A	Strip of mature timber along the road. It is dominated by aspen and paper birch with some spruce and fir. The aspen is starting to die and blow over.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**20** 6229 - Mixed lowland shrub Nonstocked 2.1 No

**21** 6118 - Lowland Deciduous with Cedar Sawtimber Well 11.0 160 81-110 N/A

Pocket of large red maple and yellow birch some of them pushing 30"+. There is cedar mixed into this stand, mostly in the understory. Stand is pretty wet.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	50	Log/XLog	16	160	Balsam Fir	High	Variable	Sapling
Yellow Birch	30	Log/XLog	16		Deciduous Shrubs	Medium	Variable	Tall Shrub
Northern White Cedar	20	Log	14	160	Red Maple	Medium	5 - 10 feet	Sapling
					Paper Birch	Low	10 - 20 feet	Sapling
					Black Ash	Low	10 - 20 feet	Sapling
					Northern White Cedar	Low	>20 feet	Pole

**22** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 37.8 50 1-50 N/A

This stand is a lowland shrub stand that is filling in with trees. There are some clumps of more forested areas scattered throughout the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Northern White Cedar	20	Pole	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Tamarack	35	Pole/Sapling	6	50	Balsam Fir	Medium	Variable	Sapling
Paper Birch	10	Pole	7		Willow spp.	Low	5 - 10 feet	Sapling
Black Spruce	25	Pole/Sapling	6					
Balsam Poplar	10	Pole	6					

**23** 3105 - Mixed Upland Herbaceous Nonstocked 2.5 No sand / gravel pit

**24** 6112 - Lowland Aspen Sapling Medium 4.8 30 1-50 N/A Patch of mostly sapling size aspen trees that is filling in the L type.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen	80	Sapling/Pole	4	30	Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Fir	10	Sapling/Pole	3					
White Spruce	10	Sapling/Pole	4					

**25** 6112 - Lowland Aspen Poletimber Well 109.7 35 81-110 N/A

Mostly a lowland aspen stand but there is some more upland type ground around the spruce stand and adjacent to the hardwood. According to the old OI notes this stand was harvested in 1984. Some lowland areas still have a sapling size canopy.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen	65	Pole/Sapling	6	35	Balsam Fir	Medium	Variable	Sapling
Balsam Poplar	20	Pole/Sapling	5		Tag Alder	Low	5 - 10 feet	Tall Shrub
					Aspen (spp.)	Medium	Variable	Sapling
					Red Maple	Low	5 - 10 feet	Sapling
					Deciduous Shrubs	Low	5 - 10 feet	Tall Shrub





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
26	6122 - Black Spruce	Poletimber Well	6.2	95	111-140	N/A	A wet swale in the aspen stand that is growing black spruce and tamarack. Over all the stand is small pole size but some large pole size trees can be found in the stand. The tamarack is the thickest along the edges of the stand where black spruce dominates in the center.																																																			
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27	3105 - Mixed Upland Herbaceous	Nonstocked	1.1			No																																																				
28	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	6.5	90	111-140	N/A	Old logging road still used for walking in to hunt and trap, no sign its being used by ORVs, signs of a few deer.																																																			
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29	3105 - Mixed Upland Herbaceous	Nonstocked	1.3			No	nice grass opening with illegal ORV trail to it.																																																			
30	4139 - Aspen, Mixed Deciduous	Sapling Well	61.4	27	Immature	N/A	Cut in 1992. Stand is a mix of aspen and red maple. There are some patches of pure red maple. The stand is right on the edge of a pole size stand, I would say 40% of canopy trees are pole size.																																																			
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31	4112 - Maple, Beech, Cherry Association	Sawtimber Well	24.3	88	111-140	N/A	This is a red maple and sugar maple stand, with some nice log trees. In about half of the stand the balsam fir is thick in the understory, the other half is dominated by maple in the understory..																																																			
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32	3105 - Mixed Upland Herbaceous	Nonstocked	3.7			No	Stand is mostly open with only a little encroachment along the edges and a few scattered trees.																																																			
33	6122 - Black Spruce	Poletimber Well	26.5	91	81-110	N/A	Stand is pretty wet but there are some areas of better timber that likely could be harvested. Some cedar on the west end of the stand, tamarack is mostly on the north edge and scattered throughout. The diameters drop off as you get closer to the L type.																																																			
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34	6229 - Mixed lowland shrub	Nonstocked	82.8			No	Mostly a shrub stand with areas of bog and a few scattered trees throughout.																																																																									
35	6224 - Treed Bog	Nonstocked	8.6			No	Stand is on the edge of being forested. Wet bog that is supporting a decent amount of tamarack along with black spruce and paper birch.																																																																									
36	6122 - Black Spruce	Poletimber Well	9.5	90	81-110	N/A	Decent stand of black spruce and tamarack. The east half of the stand is up on a ridge, the west half is more low and wet with a more open canopy.																																																																									
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37	6120 - Lowland Cedar	Poletimber Medium	6.9	91	51-80	N/A	Most of this stand is firly open grown cedar with thick deciduous lowland shrubs. The north end has some tamarck and a little higher BA.																																																																									
38	6124 - Lowland Spruce-Fir	Sapling Poor	4.4	50	1-50	N/A	Spruce and tamarack with a lot of tag alder. Stand is very wet.																																																																									
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39	6139 - Mixed Lowland Forest	Poletimber Well	12.7	69	81-110	N/A	This stand is made up of two different covertypes that are two small to type out on their own. the first is a lowland spruce/tamarack stand that can be found in the west end of the stand and on the eastern edge of the stand. The second is a lowland E type with conifer that dominates the east finger of the stand.																																																																									
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40	4134 - Aspen, Spruce/Fir	Sapling Well	22.5	27	51-80	N/A	Nice stand of aspen that is almost pole size. Mostly an upland ridge along the road that drops off to lowland on both sides.																																																																				
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41	6229 - Mixed lowland shrub	Nonstocked	12.7			No	Beaver activity in this stand is causing flooding of the road.																																																																				
42	6120 - Lowland Cedar	Sawtimber Medium	18.5	91	51-80	N/A	According to the sale notes this stand was picked through in the past and the cedar was left. Now the canopy is fairly open with large log size cedar and scattered pole size fir trees. There are some areas of thick cedar canopy but most is open with lots of tag alder.																																																																				
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43	4139 - Aspen, Mixed Deciduous	Sapling Well	38.9	17	Immature	N/A	Sale 45-002-01-01, cut in 2001, oak reserved. The regen is still mostly sapling size with some pole sized. The north edge of the stand is lowland with tag alder.																																																																				
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44	4119 - Mixed Northern Hardwoods	Sawtimber Well	47.3	110	81-110	N/A	30 acres of this stand was harvested as part of Walters Selection in 2017. The remainder was part of sale 45-016-01-01, cut in 2003. There is quite a bit of oak in this stand. Most of the red maple, hemlock, white pine and fir are along the northern edge of the stand below the hill. The hardwood regen in this stand is thick and a good mix of species but shows sign of heavy deer browse.																																																																				
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45	330 - Low-Density Trees	Nonstocked	1.6			No	This is probably going to be the last time this stand is considered non forested it has a mix of scotch pine, oak, sugar maple, red maple, paper birch, aspen, and spruce.																																																																				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
46	4199 - Other Mixed Upland Deciduous	Sawtimber Well	20.2	85	111-140	N/A	Sale 015-11, firewood sale south side of pit only, some dead oak cut. The BA is high across most of the stand except the east and south where it was thinned more during the sale. Q Aspen clone in NE corner, Big tooth clone in SW corner, sparse area in the middle where opening filled in with oak and brush, major deer browsing on maple saps due to supplemental feeding in the area.																																													
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47	42120 - Planted Jack Pine	Poletimber Well	9.7	49	81-110	N/A	Planted over an old dump, much debris exposed and projecting from the ground, has a few rows of red pine bordering the highway. There is almost nothing in the understory except a mat of reindeer moss. The jack pine has started to decline and blow over in spots.																																													
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48	4133 - Aspen, Mixed Pine	Poletimber Poor	2.9	26	1-50	N/A	This was an old opening that has filled in with oaks, maples, aspen and scotch pine. The subcanopy of this stand is thick with maple regen and some oak and aspen.																																													
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49	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	1.7	31	1-50	N/A	Opening that is filling in with trees, part of the old dump site with scrap metal everywhere and partly buried, unique though in that the little opening on the north part has a grove of willow that should be preserved, there are a few apple trees and lots of deer browsing due to supplemental feeding in the area, filling in with scotch and jack pine, needs scotch pine removal.																																													
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50	122 - Road/Parking Lot	Nonstocked	1.9	0		No																																														
51	4139 - Aspen, Mixed Deciduous	Sapling Medium	12.7	4	Immature	N/A	Sale 45-013-11-01 cedar reserved. The stand is starting to fill in, the regen is currently clumpy but I could see tops of conifer trees just barley poking out of the snow. Some of the cedar has blown over.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
52	3102 - Grass	Nonstocked	0.6			No				
53	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	37.9	90	1-50	N/A	This portion of the swamp is very wet and is supporting a low density tamarack and spruce stand. There is still cedar scattered in this stand but it is not a major component.			
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
		Black Spruce	40	Pole	8	90	Balsam Fir	Medium	Variable	Sapling
		Northern White Cedar	10	Pole/Log	9	90	Black Spruce	Medium	Variable	Sapling
54	6129 - Mixed Coniferous Lowland Forest	Sapling Medium	12.8	90	1-50	N/A	Very wet area along the road. I am thinking the road interfered with the natural sheet flow and caused this side of the road to hold more water.			
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
		Black Spruce	40	Sapling/Pole	4	90	Balsam Fir	Medium	Variable	Sapling
		Northern White Cedar	15	Pole/Sap/Log	7		Black Spruce	Medium	Variable	Sapling
		Tamarack	30	Sapling/Pole	4		Northern White Cedar	Trace	Variable	Sapling
		Balsam Fir	8	Sapling/Pole	4		Tag Alder	Low	5 - 10 feet	Tall Shrub
55	6122 - Black Spruce	Sapling Poor	3.1	90	51-80	N/A	Area of treed bog that has enough trees to be considered forested.			
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
		Black Spruce	69	Sapling/Pole	3	90	Balsam Fir	Medium	Variable	Sapling
		Tamarack	15	Sapling/Pole	3		Black Spruce	Medium	Variable	Sapling
							Tamarack	Low	Variable	Sapling
							Tag Alder	Low	5 - 10 feet	Tall Shrub
56	4134 - Aspen, Spruce/Fir	Sapling Well	9.4	27	51-80	N/A	Stand of nice aspen that is on the verge of becoming pole size. This stand was cut the same time as the stand to the north and west.			
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
		Red Maple	10	Sapling/Pole	3		Balsam Fir	Medium	Variable	Sapling
		Paper Birch	10	Sapling/Pole	3		Black Spruce	Low	Variable	Sapling
		Quaking Aspen	35	Sapling	3	27	Tag Alder	Medium	Variable	Tall Shrub
		Balsam Fir	10	Pole/Sapling	5		Red Oak	Low	5 - 10 feet	Sapling
		Black Spruce	10	Sapling	3		Aspen (spp.)	Medium	Variable	Sapling
		Tamarack	10	Sapling	2		Red Maple	Medium	Variable	Sapling
		Bigtooth Aspen	15	Sapling/Pole	4		Paper Birch	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**57** 6128 - Lowland Coniferous, Mixed Deciduous Sapling Well 9.3 27 51-80 N/A This stand was cut the same time as the two adjacent stands. Dominated by black spruce and tamarack.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Sapling	3	27	Balsam Fir	Medium	Variable	Sapling
Balsam Fir	10	Pole/Sapling	5		Black Spruce	Low	Variable	Sapling
Black Spruce	35	Sapling/Pole	3		Tag Alder	High	Variable	Tall Shrub
Tamarack	35	Sapling/Pole	2		Aspen (spp.)	Low	Variable	Sapling
					Red Maple	Low	Variable	Sapling
					Paper Birch	Low	5 - 10 feet	Sapling

**58** 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 12.3 73 81-110 N/A This stand is an E type dominated by paper birch and red maple. There is cedar scattered throughout and a patch of cedar in the south east corner of the stand. Right now the paper birch is in good shape.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	8		Red Maple	Medium	Variable	Sapling
Paper Birch	38	Pole/Log	8	73	Paper Birch	Low	Variable	Sapling
Balsam Fir	10	Pole	6		Balsam Fir	High	Variable	Sapling
Northern White Cedar	15	Log/Pole	10	103	Northern White Cedar	Low	Variable	Sapling
					Tamarack	Low	Variable	Sapling
					Tag Alder	Medium	Variable	Tall Shrub
					Yellow Birch	Trace	Variable	Sapling

**59** 6120 - Lowland Cedar Poletimber Well 4.5 90 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Black Spruce	20	Pole	8		Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	53	Pole/Log	9	90	Black Spruce	Medium	Variable	Sapling
Tamarack	20	Pole	8		Northern White Cedar	Medium	Variable	Sapling

**60** 6229 - Mixed lowland shrub Nonstocked 3.1 Immature No The west half of the stand is a Q/S4 the east half is tag alder swamp.