

# Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45164

Entry Year: 2027

Acreage: 1,813

County: Mackinac

Management Area: St. Ignace Lake Plain

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**Stand Examiner:** Cody Flatt

## Legal Description:

T43N-R8W Sections 6 & 7, Hudson Township; T43N-R9W Sections 1 & 12, Garfield Township; & T44N-R9W Section 36, Garfield Township.

## Identified Planning Goals:

Compartment 164 is located northeast of Naubinway on Hiawatha Trail (H-40) and is just east of Gilchrist. Achieving multi age class distribution across the compartment in the aspen/birch cover types will benefit certain wildlife values as well as sustainable fiber production. Due to the large amount of rivers and streams Best Management Practices will be followed to maintain the riparian areas, especially in the Black River corridor.

## Soil and topography:

The hardwood and pine sites that occur in the southern portion of the compartment are on level to rolling dunes of outwash and lake planes. These sites are made up of Wallace-Alcona complex and Wallace sand. The aspen and birch types within the compartment occur on depressions and nearly level areas on outwash plains and lake plains. Moltke loam and Spot-Finch complex are the most common soil in these areas.

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

The compartment borders other state land to the south and the west. The north and east side of the compartment borders numerous small, non-residential, land owners.

## Unique Natural Features:

The compartment has the potential to have various threatened and endangered species.

## Archeological, Historical, and Cultural Features:

Evidence of old dams used for floating logs on the Black River.

## Special Management Designations or Considerations:

In the riparian zones the BMP guidelines will be applied.

## Watershed and Fisheries Considerations:

This compartment contains Bark Creek, Silver Creek, and the Black River. Bark Creek, Silver Creek, and the Black River are all designated Type 1 trout streams less than 50-ft wide and have predicted mean July water temperatures that range from 58.1 to 62.6°F (cold streams). 300-foot buffers are recommended for Bark Creek, Silver Creek, and the Black River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these resources in accordance with Best Management Practices.

## Wildlife Habitat Considerations:

This compartment is in the St. Ignace Lake Plain Management Area where featured wildlife species include American marten, American woodcock, black bear, blackburnian warbler, black-throated blue warbler, ruffed grouse, sharp-tailed grouse, snowshoe hare, and white-tailed deer. Pre-settlement vegetation in the compartment included an assemblage of tree species includes hemlock, white birch, yellow birch, sugar maple, black ash, aspen, elm, red maple, and cedar. Lowlands also contained spruce and tamarack. Aspen appears to be more prevalent in today's forest than during pre-settlement times. Mixed hardwood/conifer stands appear to be less prevalent. Many aspen stands are relatively immature, but there are varying ages between many stands. This provides habitat for ruffed grouse, snowshoe hare, deer, and a variety of other species. Most stands will be left to mature during this entry. Streams, riparian areas, and wetlands will be protected.

## Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for economic production of metallic minerals in this area. Multiple active, State-owned aggregate pits exist just over two miles northeast of the compartment; two are currently leased to the country road commission. Bedrock is also at or near the surface across the area, consisting of high-purity limestone/dolostone and less desirable (higher silica content) dolostone. A

large area less than two miles northeast of the compartment was part of the land transaction completed with Graymont in 2014 for future development of an underground mine to extract high-purity limestone. There is similar potential for high-purity limestone beneath the compartment, but the prevalence of wetlands within the compartment would inhibit large-scale surface mining, and it is unlikely Graymont's underground mine, if ever developed, will expand to this area. There may be some potential for development of minor amounts of sand & gravel on the uplands.

**Vehicle Access:**

The overall access to the compartment is quite limited do to the ground conditions and the Canadian National Rail Road. Hiawatha Trail (H-40) (paved county road) and Black River Road (gravel county road) provide the main access to the southern portion of the compartment with good logging roads to provide additional access. The far northern portion of the compartment has to be accessed through a private road off the North Black River Rd, permission is required. The northwest portion of the compartment can be accessed through a logging road off the Cranberry Lake Road.

**Survey Needs:**

None

**Recreational Facilities and Opportunities:**

The Black River provides the public with excellent trout fishing during the summer months. The woods roads provide access for all types of hunting and camping.

**Fire Protection:**

The southern portion of the compartment is drier and is used more heavily by the public and therefore; has a higher potential for ignition. The northern half has limited access and has a deeper organic layer to burn into.

**Additional Compartment Information:**

None.

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

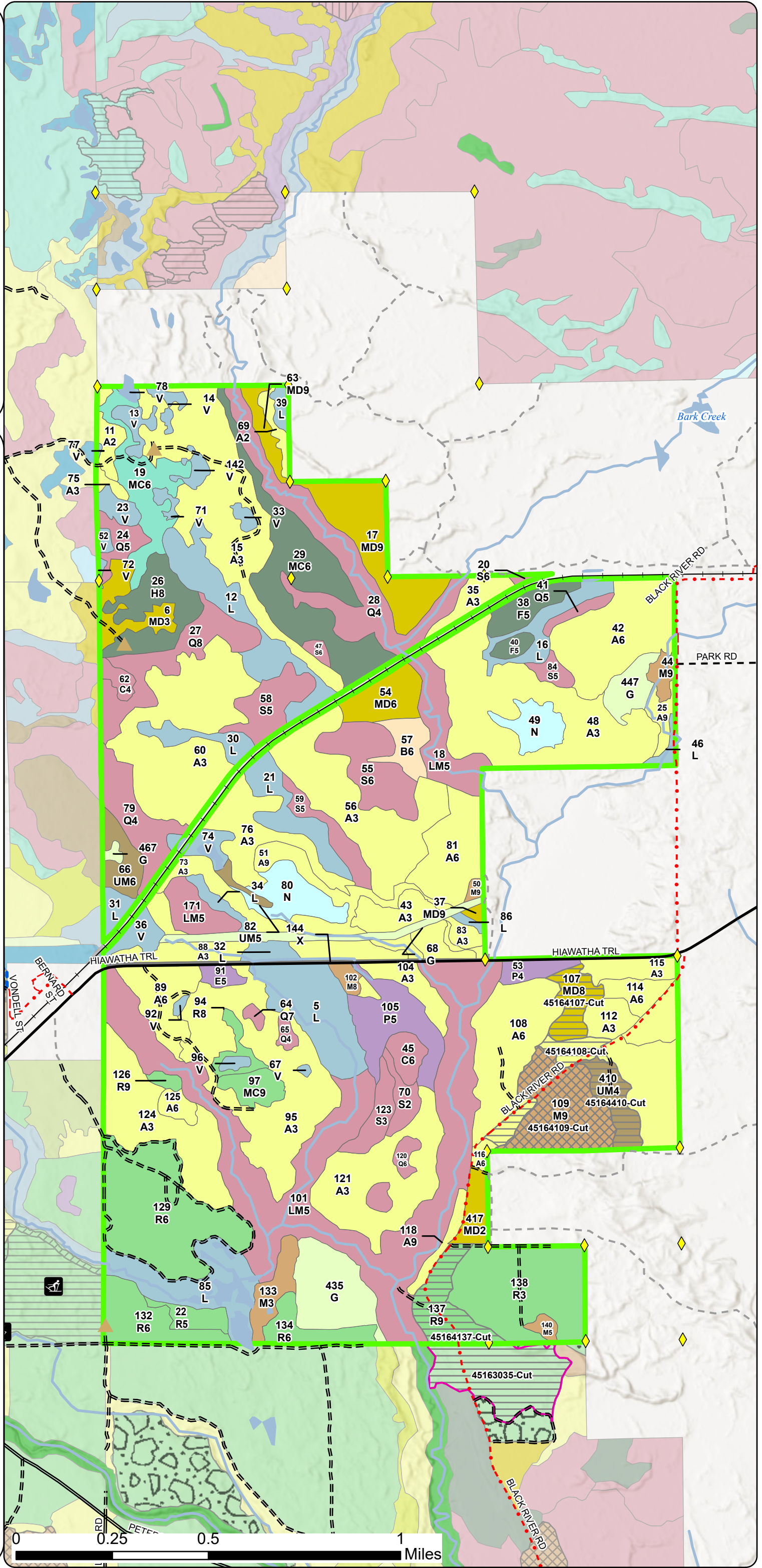
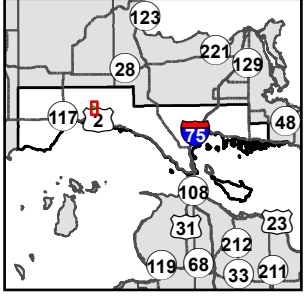
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

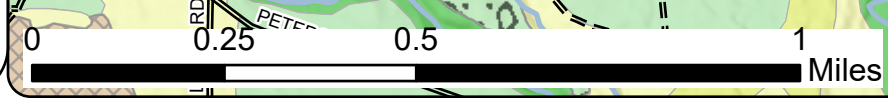
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

### Cover Type & Treatments Map

Compartment: 45164  
 T43N,R09W, Sec. 1, 6, 7, 12  
 T44N,R09W, Sec. 36  
 County: Mackinac  
 Unit: Sault Ste. Marie  
 Mgmt. Area: St. Ignace Lake Plain  
 YOY: 2027  
 Acres: 1,813.13 GIS Calculated  
 Examiner: Cody Flatt  
 Date Exported: 02/04/2026  
 Map Phase: Post Review

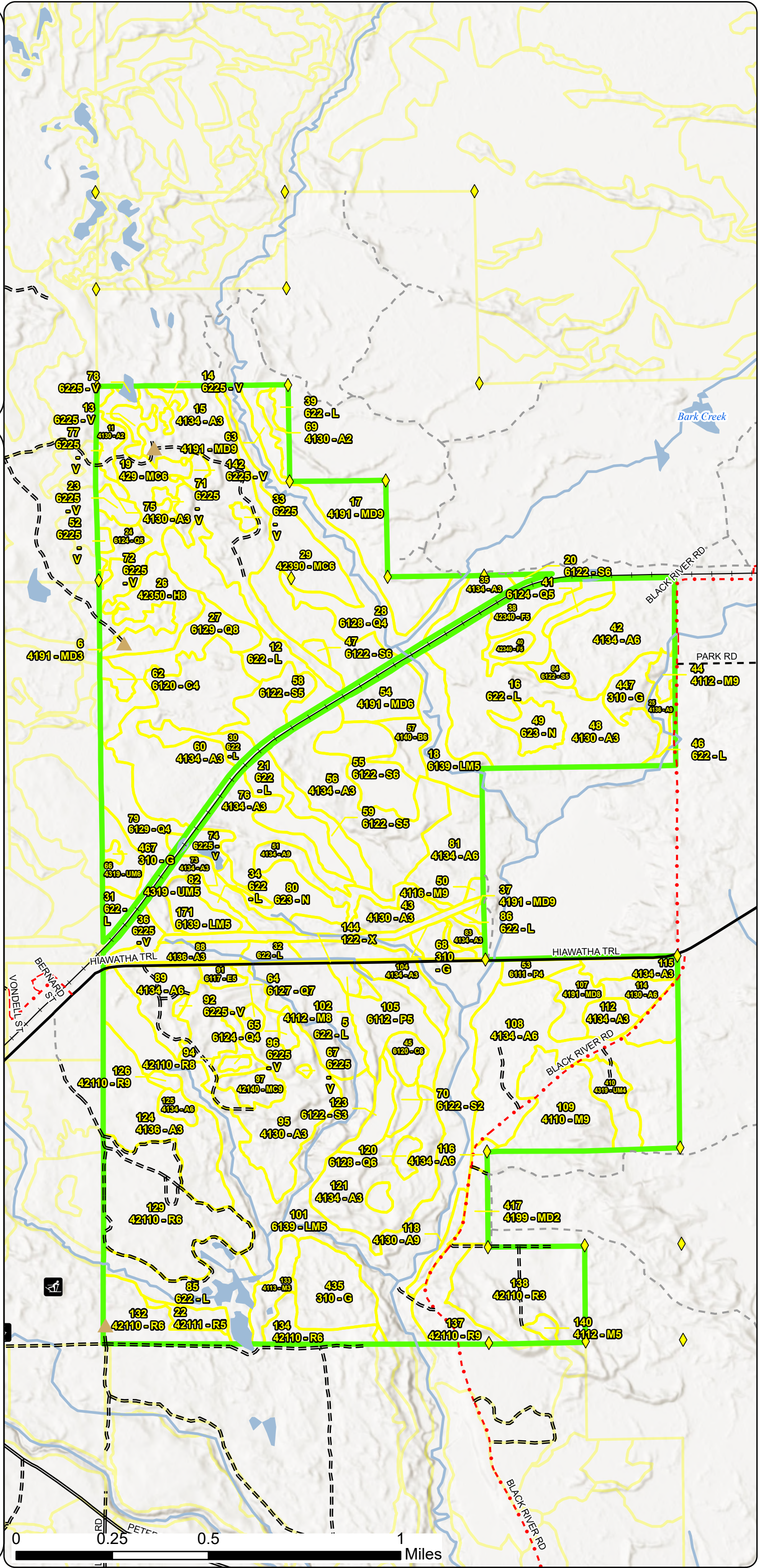
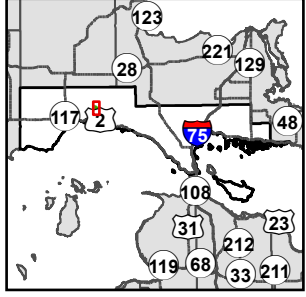


- Survey Grade Corners
- Berm
- Railroads
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Selection
- Clearcut (Outside Compartment)
- Clearcut
- Selection
- Shelterwood
- Thinning
- Monitoring - Regeneration
- Monitoring
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland

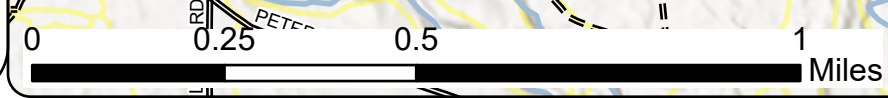


### Stand Boundary Map

Compartment: 45164  
 T43N,R09W, Sec. 1, 6, 7, 12  
 T44N,R09W, Sec. 36  
 County: Mackinac  
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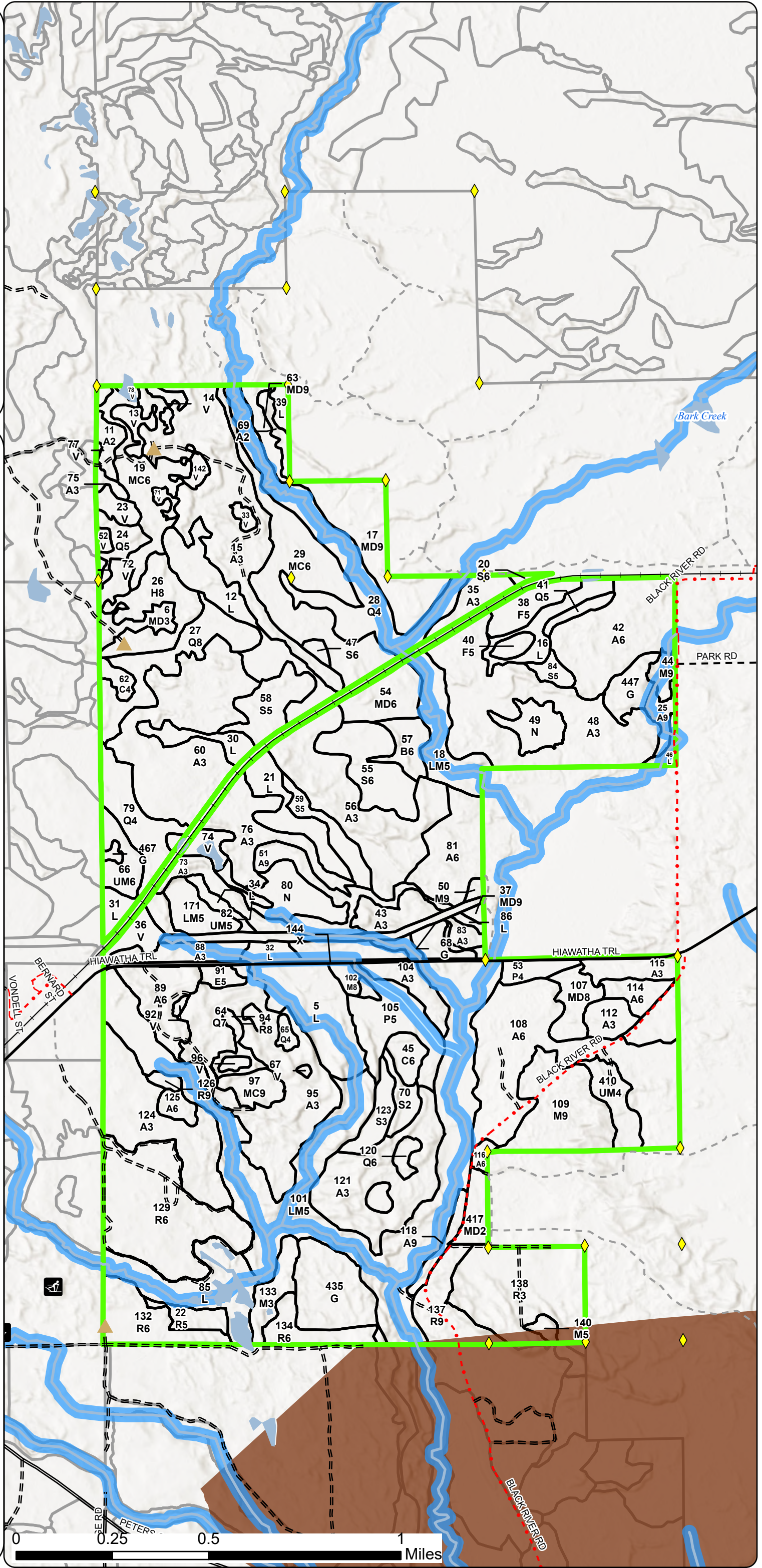
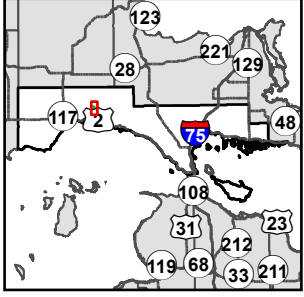


- ◆ Survey Grade Corners
- ▲ Berm
- Railroads
- ▭ Compartment Boundary
- ▭ Stand Outline
- 411 - Northern Hardwood
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
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### Special Conservation Areas & Site Conditions Map

Compartment: 45164  
 T43N,R09W, Sec. 1, 6, 7, 12  
 T44N,R09W, Sec. 36  
 County: Mackinac  
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- Survey Grade Corners
- Berm
- Railroads
- Compartment Boundary
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	34	209	161	185	79	18	24	5	2	5	0	0	0	0	0	0	0	720
Bog	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Cedar	0	0	0	0	0	0	0	0	0	0	4	6	0	0	0	0	0	0	10
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22
Herbaceous Openland	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	6	23	0	0	0	0	0	0	0	0	29
Lowland Conifers	0	0	0	0	7	0	0	0	0	43	4	3	44	0	6	0	0	0	106
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	165	0	0	11	0	0	0	0	0	175
Lowland Shrub	141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140
Lowland Spruce/Fir	0	0	6	0	0	0	0	3	15	0	0	44	0	0	0	0	0	0	68
Marsh	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Mixed Upland Deciduous	0	0	11	8	0	0	0	0	25	39	0	0	0	0	0	0	0	0	83
Northern Hardwood	0	0	0	0	10	0	0	0	0	1	0	0	0	0	0	0	0	42	53
Paper Birch	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	9
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Red Pine	0	0	48	55	36	0	0	0	0	18	7	0	0	0	0	0	0	0	164
Upland Conifers	0	0	0	0	0	0	22	48	0	0	0	0	0	0	0	0	0	0	70
Upland Mixed Forest	0	0	0	0	0	0	21	2	0	0	0	0	0	0	0	0	0	0	23
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
<b>Total</b>	<b>256</b>	<b>34</b>	<b>274</b>	<b>224</b>	<b>238</b>	<b>79</b>	<b>61</b>	<b>77</b>	<b>51</b>	<b>314</b>	<b>28</b>	<b>53</b>	<b>55</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>67</b>	<b>1812</b>

## Report 2 – Treatment Summary

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

Acres of Harvest

Compartment 164  
Total Compartment Acres: 1,813

Commercial Harvest - 362  
Harvests with Site Condition - 0  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	9	0	0	0	0	0	0	0	0	9
Mixed Upland Deciduous	11	0	0	0	0	0	0	0	0	11
Northern Hardwood	0	33	0	0	0	0	0	0	0	33
Red Pine	18	0	0	0	0	0	0	0	0	18
Upland Mixed Forest	11	0	0	0	0	0	0	0	0	11
<b>Total</b>	<b>49</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>82</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	82	0	0	0	0	0	0	0	0	82
Next Step	0	35	53	0	0	70	99	0	0	275
<b>Total</b>	<b>82</b>	<b>35</b>	<b>53</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>99</b>	<b>0</b>	<b>0</b>	<b>357</b>

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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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**Approved Treatments:**

<b>35 45163035-Cut</b>	32.9	42110 - Planted Red Pine	9	86	141-170	Harvest	Clearcut	42110 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Final harvest red pine plantation. Harvest all species over 1" DBH. Retention will be left in buffer of drainage and creek. Treatment size may vary depending on buffer boundary.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Pesticide, Aerial - Site Prep; Planting, Trenched Plant;</p> <p><u>Treatments:</u> Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen; Planting, Interplant</p> <p><u>Acceptable</u> Red Pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Maintain 100' buffer along creek</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
<b>107 45164107-Cut</b>	10.6	4191 - Mixed Upland Deciduous with Conifer	8	74	1-50	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No
<p><u>Prescription</u> Cut all trees 4" or greater at DBH. Exclude excessively wet areas from treatment. Leave 1-2 white pine or cherry per acre where present, and leave all cedar except where needed to cut for harvest operability. These leave trees will serve as retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> aspen, maple, birch, cherry, spruce, fir, pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
<b>108 45164108-Cut</b>	9.4	4134 - Aspen, Spruce/Fir	6	42	1-50	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Cut all deciduous trees that are 2" or greater at DBH and all conifer trees that are 4" or greater at DBH.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> aspen, maple, birch, cherry, spruce, fir, pine</p> <p><u>Regen:</u></p> <p><u>Other</u> No retention due to small size</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</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
<b>109 45164109-Cut</b>	32.8	4110 - Sugar Maple Association	9	114	111-140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin stand to an average of 60-80 BA. Focus on over mature, larger diameter stems, especially large red maple. Leave healthy beech and										
<u>Specs:</u> maintain a component of yellow birch and cherry throughout stand. Leave any hemlock. Leave trees over 26" DBH that me										
<u>Next Step</u> Monitoring, Natural Regen (Intermediate)										
<u>Treatments:</u>										
<u>Acceptable</u> Maple, birch, cherry, aspen, spruce, fir, pine										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										
<b>137 45164137-Cut</b>	17.6	42110 - Planted Red Pine	9	86	111-140	Harvest	Clearcut	42110 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Final harvest red pine plantation. Harvest all species over 1" DBH. Retention will be left in buffer of drainage and creek. Treatment size may										
<u>Specs:</u> vary depending on buffer boundary.										
<u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Pesticide, Aerial - Site Prep; Planting, Trenched Plant;										
<u>Treatments:</u> Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen; Planting, Interplant										
<u>Acceptable</u> Red pine										
<u>Regen:</u>										
<u>Other</u> Minimum 100' buffer from creek										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										
<b>410 45164410-Cut</b>	11.2	4319 - Mixed Upland Forest	4	51	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Cut all merchantable trees. No retention to maintain as an opening.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> None										
<u>Regen:</u>										
<u>Other</u> Opening Maintenance cut.										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										

**Total Treatment** 114.5  
**Acres Proposed:**

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Cody Flatt: Examiner

Compartment: 164

Year of Entry: 2027

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		2E	5C	2A	2G	3J	5D	
714	678	<b>18</b>	19	Aspen		<b>18</b>				19	
37	37	<b>0</b>	0	Bog							
10	10	<b>0</b>	0	Cedar							
22	22	<b>0</b>	0	Hemlock							
47	47	<b>0</b>	0	Herbaceous Openland							
29	6	<b>0</b>	23	Lowland Aspen/Balsam Poplar						23	
107	44	<b>0</b>	62	Lowland Conifers					19	43	
3	0	<b>3</b>	0	Lowland Deciduous		<b>3</b>					
175	0	<b>0</b>	175	Lowland Mixed Forest				11		165	
140	77	<b>0</b>	64	Lowland Shrub						64	
68	50	<b>0</b>	18	Lowland Spruce/Fir							18
25	25	<b>0</b>	0	Marsh							
83	45	<b>0</b>	38	Mixed Upland Deciduous			38				
53	53	<b>0</b>	0	Northern Hardwood							
9	9	<b>0</b>	0	Paper Birch							
8	8	<b>0</b>	0	Planted Mixed Pines							
164	164	<b>0</b>	0	Red Pine							
70	70	<b>0</b>	0	Upland Conifers							
23	11	<b>10</b>	2	Upland Mixed Forest	<b>10</b>					2	
14	14	<b>0</b>	0	Upland Spruce/Fir							
6	6	<b>0</b>	0	Urban							
1,807	1,374	<b>31</b>	402	Total Forested Acres	<b>10</b>	<b>21</b>	38	30	316	18	
	76%	<b>2%</b>	22%	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
2	<b>Unavailable</b>	<b>2A: Adjacent landowner denied access</b>	32	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Cody Flatt: Examiner

Compartment: 164

Year of Entry: 2027

3	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	19	5D: Unproductive forest land	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>2A: Adjacent landowner denied access</b>	6	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	43	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Unavailable</b>	<b>5D: Unproductive forest land</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Cody Flatt: Examiner

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12	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	5	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>5D: Unproductive forest land</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Cody Flatt: Examiner

Compartment: 164

Year of Entry: 2027

21	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention left during harvest							
24	<b>Available</b>	<b>2E: Road needed</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Upland site set up with adjacent C-171 as optional unit but not cut. Access would entail crossing very low, wet ground or require a RR crossing which is cost prohibitive. Stand continues into C-171.							
28	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	205	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	<b>Unavailable</b>	<b>3J: Water quality/BMPs (stream, river, or lake)</b>	4	Unspecified	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.

<b>SCA Name</b>	<b>SCA Category</b>	<b>Detail Type</b>	<b>Recommendation</b>	<b>Acres</b>
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**Comments**

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
5	622 - Lowland Shrub	None	30.1			No	Mostly Black River and creeks flood plain.																																																									
6	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	11.3	16	1-50	N/A	Stand was strip cut in 1974 (1 chain cut, 2 chains left). Good reproduction (RM, Cherry, WB, H) at last entry warranted a shelter wood-seed cut. That cut was complete in 2010. It currently is a 3-storied stand: H & YB log over 1974 cut regeneration (40'-50' tall) and 2000 cut (10'-20' tall).																																																									
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11	4130 - Aspen	Sapling Medium	6.0	5	Immature	N/A	Harvested in 2021 as part of the Cranberry Run Mix timber sale 45-120-17. Stand is regenerating fairly slow, open areas are beginning to fill in.																																																									
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12	622 - Lowland Shrub	None	27.8			No	Wet with tag alder																																																									
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13	6225 - Bog	None	4.5			No	Bog																																																									
14	6225 - Bog	None	2.8			No	Bog																																																									
15	4134 - Aspen, Spruce/Fir	Sapling Well	63.8	19	Immature	N/A	Stand was cut in 2007. Regeneration is doing good in most areas. Some areas slowly filling in. Southern finger mostly spruce and fir regen.																																																									
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16	622 - Lowland Shrub	None	11.3			No	tag alder																																																									

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
17	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	31.9	86	51-80	N/A	Inaccessible birch stand. Blocked by the Black River and private land.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Log/Pole	10	
Paper Birch	25	Log/Pole	10	86
Quaking Aspen	20	Log/Pole	11	
Balsam Fir	15	Pole/Sapling	6	
Northern White Cedar	10	Pole/Sapling	7	
Hemlock	15	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable

18	6139 - Mixed Lowland Forest	Poletimber Medium	19.4	86	Unspecified	N/A	Contains Black River and floodplain
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole/Log	9	
Paper Birch	15	Pole	8	86
Quaking Aspen	15	Pole/Log	9	
Balsam Fir	15	Pole	7	
White Spruce	15	Pole/Log	9	
Northern White Cedar	10	Pole	7	
White Pine	15	Log/Pole	12	

19	429 - Mixed Upland Conifers	Poletimber Well	22.4	51	1-50	N/A	Thick conifer regeneration just transitioning to pole size. Some scattered overstory conifer present. Some very wet areas.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Sapling	5	
Balsam Fir	30	Pole/Sapling	6	
White Spruce	10	Pole/Sapling	5	
White Pine	50	Pole/Sapling	5	51

Sub-Canopy Species	Density	Avg. Height	Size
Conifers	Medium	5 - 10 feet	5 - 10 feet

20	6122 - Black Spruce	Poletimber Well	1.1	66	Unspecified	N/A	Small black spruce stand, good looking poles.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
Quaking Aspen	5	Pole	8	
Black Spruce	90	Pole	6	66

21	622 - Lowland Shrub	None	15.4			No	
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22	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Medium	6.1	34	Immature	N/A	Red pine didn't come in this stand quite as good as the rest of the stand. The pine is very healthy.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Sapling	3	
White Pine	5	Pole/Sapling	5	
Red Pine	70	Pole/Sapling	6	34
Black Cherry	10	Sapling	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**23** 6225 - Bog None 4.5 No Bog

**24** 6124 - Lowland Spruce-Fir Poletimber Medium 6.5 37 51-80 N/A Poor quality mixed brush with tag alder. Stand has wet areas within it and it borders some larger wetlands.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling	4		Tag Alder	Medium	Variable	Variable
Quaking Aspen	15	Sapling	2					
Balsam Fir	40	Pole/Sapling	5	37				
Black Spruce	30	Sapling	3					

**25** 4136 - Aspen, Mixed Conifer Sawtimber Well 4.7 76 Unspecified N/A Stand of aspen mix that serves as a buffer around Silver Creek which flows through.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Log/Pole	10	
Red Maple	10	Log/Pole	10	
Quaking Aspen	50	Log/Pole	10	76
Balsam Fir	15	Pole	7	
White Pine	15	Log/Pole	10	

**26** 42350 - Upland Hemlock Sawtimber Medium 21.6 189 51-80 N/A Previously thinned. Hemlock regen present around drip edge of hemlock that were released during harvest, no regen present where closed canopy. Maple regen in more open areas.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	40	Log	12		Conifers	Medium	Variable	Variable
Hemlock	60	Log/Pole	12	189	Deciduous Saplings	Medium	5 - 10 feet	5 - 10 feet

**27** 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 25.1 115 51-80 N/A This stand was left for cover.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	6		Tag Alder	Low	Variable	Variable
Paper Birch	5	Pole/Sapling	6		Conifers	Medium	Variable	Variable
Balsam Fir	10	Pole	6					
Northern White Cedar	40	Pole	7	115				
White Pine	10	Log/Pole	10					
Hemlock	30	Log/Pole	12					

**28** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 43.3 86 Unspecified N/A Contains Black river and floodplain

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	9		Tag Alder	High	5 - 10 feet	5 - 10 feet
Paper Birch	15	Pole	8	86				
Quaking Aspen	15	Pole/Log	9					
Balsam Fir	15	Pole/Sapling	6					
Black Spruce	15	Pole/Sapling	7					
Northern White Cedar	10	Pole	7					
White Pine	10	Log/Pole	12					
Hemlock	10	Log/Pole	10					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
<b>29</b>	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	47.9	68	81-110	N/A	Some nice patches of black spruce on drier ground along edge of aspen stand, transitions to lower/wetter aspen mix closer to Black river, and smaller more sparse spruce, aspen, fir mix to the south.																																																			
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<b>30</b>	622 - Lowland Shrub	None	7.7			No	Low wet area with some hemlock and cedar at west end transitioning to tag alder																																																			
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<b>32</b>	622 - Lowland Shrub	None	4.3			No	Low wet stand with tag alder																																																			
<b>33</b>	6225 - Bog	None	1.9			No	Wet open bog																																																			
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<b>36</b>	6225 - Bog	None	6.4			No																																																				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**37** 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 1.2 86 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Log/Pole	10	
Paper Birch	20	Log/Pole	11	86
Quaking Aspen	20	Log/Pole	10	
Balsam Fir	20	Pole	7	
Northern White Cedar	10	Pole/Log	9	
White Pine	10	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable

**38** 42340 - Upland Spruce/Fir Poletimber Medium 10.6 88 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	7	
Paper Birch	10	Pole	7	
Quaking Aspen	10	Pole	8	
Balsam Fir	20	Pole	7	
White Spruce	30	Pole	9	88
Black Spruce	10	Pole/Sapling	7	
Northern White Cedar	10	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Conifers	High	Variable	Variable

Stand access is limited due to a wide tag alder area and steep banks going up to the railroad tracks. It has been left for the last two entries because of the access. The overall health is pretty good.

**39** 622 - Lowland Shrub None 2.8 No Lowland bog with tag alder

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet

**40** 42340 - Upland Spruce/Fir Poletimber Medium 3.3 88 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	7	
Paper Birch	10	Pole	7	
Quaking Aspen	10	Pole	7	
Balsam Fir	20	Pole	7	
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Sub-Canopy Species	Density	Avg. Height	Size
Conifers	High	Variable	Variable
Red Maple	Low	Variable	Variable

Stand access is limited due to a wide tag alder area and steep banks going up to the railroad tracks. It has been left for the last two entries because of the access. The overall health is pretty good.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
<b>41</b>	6124 - Lowland Spruce-Fir	Poletimber Medium	3.4	101	1-50	N/A	Stand is along a drop off from the aspen stand down to an lowland type. Not much merchantability yet.																																																				
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<b>42</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	40.1	37	1-50	N/A	Stand is just starting to transition to a pole stand. Doing really good.																																																				
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<b>43</b>	4130 - Aspen	Sapling Well	23.6	8	Unspecified	N/A	Cut in 2018 as part of Sledgehammer Mix 45-106-17. Good looking aspen regen																																																				
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<b>44</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	4.0	103	81-110	N/A	Stand was thinned in summer of 2018 down to a ba of 80-90 sale number 45-106-17 sledgehammer mix. Silver creek flows through stand.																																																				
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<b>45</b>	6120 - Lowland Cedar	Poletimber Well	6.1	101	51-80	N/A	Majority of stand was cut in 2007 (now stand 70). Cedar and white pine were left.																																																				
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<b>46</b>	622 - Lowland Shrub	None	2.5			No	Silver creeks flood plain.																																																				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
<b>47</b>	6122 - Black Spruce	Poletimber Well	1.8	68	1-50	N/A	Small pocket of lowland black spruce, still small in diameter.																																																															
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<b>48</b>	4130 - Aspen	Sapling Well	70.5	23	Immature	N/A	Stand is doing great, very little conifer.																																																															
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<b>49</b>	623 - Emergent Wetland	None	9.9			No																																																																
<b>50</b>	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	1.3	86	81-110	N/A	Patch of hardwood near private line surrounded by aspen																																																															
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<b>51</b>	4134 - Aspen, Spruce/Fir	Sawtimber Well	20.1	67	111-140	N/A	Mixed aspen stand that serves as a buffer of wetland, stream and drainage around younger aspen cuts.																																																															
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<b>52</b>	6225 - Bog	None	1.4			No	Wet open bog																																																															
<b>53</b>	6111 - Lowland Balsam Poplar	Poletimber Poor	5.7	74	1-50	N/A	This stand is very wet and somewhat sparse.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**54** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 14.2 79 51-80 N/A Some wetter areas in stand. Access may be limited but this stand is ready to harvest.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole/Log	9	
Paper Birch	35	Pole	8	79
Quaking Aspen	20	Log/Pole	10	
Balsam Fir	10	Pole	7	
White Spruce	5	Pole	8	
Northern White Cedar	5	Pole	6	
White Pine	5	Log	12	
Hemlock	5	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Variable
Balsam Fir	Medium	Variable	Variable

**55** 6122 - Black Spruce Poletimber Well 22.7 101 51-80 N/A Lower ground black spruce, was dry when visited. Could harvest. Access is limited.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
Paper Birch	5	Pole	8	
Balsam Poplar	10	Pole	7	
Balsam Fir	5	Pole/Sapling	5	
Black Spruce	65	Pole	6	101
Northern White Cedar	5	Pole	6	
White Pine	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	Variable	Variable

**56** 4134 - Aspen, Spruce/Fir Sapling Well 50.1 36 1-50 N/A Slower growing regen in this stand, still mostly sapling size, more conifer present

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	50	Sapling	3	36
Bigtooth Aspen	10	Sapling	3	
Balsam Fir	30	Sapling	2	
White Spruce	10	Sapling	2	

**57** 4140 - Other Upland Deciduous Poletimber Well 8.7 86 81-110 N/A Access is going to be limited but ready to harvest.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Log	9	
Paper Birch	60	Pole	8	86
Quaking Aspen	5	Log/Pole	10	
Balsam Fir	15	Pole/Sapling	7	
White Spruce	5	Pole	8	
White Pine	5	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable
Red Maple	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>58</b>	6122 - Black Spruce	Poletimber Medium	14.8	73	1-50	N/A	About half high ground, half low ground. Some future harvest potential on higher ground
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		10	Pole/Log	9		Tag Alder	
Paper Birch		10	Pole	8		Black Spruce	
Quaking Aspen		10	Pole	8		Density	
Black Spruce		50	Pole/Sapling	7	73	Avg. Height	
Tamarack		20	Pole/Sapling	5		Size	
						10 - 20 feet	
						5 - 10 feet	
<b>59</b>	6122 - Black Spruce	Poletimber Medium	9.3	101	1-50	N/A	Very wet, poor quality spruce. Areas of lowland shrub throughout the stand.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Paper Birch		10	Pole	7		Tag Alder	
Black Spruce		70	Pole/Sapling	5	101	Density	
Northern White Cedar		10	Pole/Sapling	6		Avg. Height	
Tamarack		10	Pole/Sapling	6		Size	
						Variable	
						Variable	
<b>60</b>	4134 - Aspen, Spruce/Fir	Sapling Well	64.2	19	Immature	N/A	Regeneration is doing good. The wetter areas are a bit spotty.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>		
Paper Birch		5	Sapling	2			
Quaking Aspen		50	Sapling	2	19		
Bigtooth Aspen		10	Sapling	3			
Balsam Fir		15	Sapling	2			
White Spruce		15	Sapling	2			
Hemlock		5	Log	12			
<b>62</b>	6120 - Lowland Cedar	Poletimber Poor	3.5	91	1-50	N/A	Non-productive swamp with tag alder.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Black Spruce		15	Pole/Sapling	5		Tag Alder	
Northern White Cedar		75	Pole/Sapling	5	91	Density	
Tamarack		10	Pole/Sapling	5		Avg. Height	
						Size	
						5 - 10 feet	
						5 - 10 feet	
<b>63</b>	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	6.2	86	51-80	N/A	Inaccessible birch stand. Blocked by the Black River and private land. This part of stand was not cut with other part of stand in Reed's Mix, left as buffer along Black River
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		15	Log/Pole	10		Balsam Fir	
Paper Birch		30	Log/Pole	10	86	Density	
Quaking Aspen		20	Pole/Log	9		Avg. Height	
Balsam Fir		15	Pole/Sapling	7		Size	
White Spruce		15	Log/Pole	10		Variable	
White Pine		5	Log/Pole	11		Variable	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
<b>64</b>	6127 - Lowland Pine	Sawtimber Poor	1.5	95	1-50	N/A	Low lying area within aspen stand that is mostly leatherleaf with sparse overstory white pine.																																																			
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<b>65</b>	6124 - Lowland Spruce-Fir	Poletimber Poor	2.2	95	1-50	N/A	Low lying wet area within aspen stand that has leatherleaf and small sized black spruce, tamarack with sparse overstory white pine.																																																			
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<b>66</b>	4319 - Mixed Upland Forest	Poletimber Well	9.7	53	81-110	N/A	Was an optional unit with adjacent compartment (C-171) sale (All or Nothing). Best access is across the RR, but is cost prohibitive. Most of stand is balsam fir poles with a mix of spruce, aspen, red maple, and birch. Not a lot of economic value at this time, let fir grow until better access is found or stand is at high risk for bud worm.																																																			
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<b>67</b>	6225 - Bog	None	0.5			No	Bog within aspen stand																																																			
<b>68</b>	310 - Herbaceous Openland	None	10.9			No	Edison Sault Pipe Line																																																			
<b>69</b>	4130 - Aspen	Sapling Medium	3.9	6	Unspecified	N/A	Young aspen/birch regeneration.[8/27/21 TI] Stand was cut in fall 2020 as part of Reed Mix Sale #45-111-20-01. TCR Date: 8/10/21																																																			
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<b>70</b>	6122 - Black Spruce	Sapling Medium	6.0	19	Immature	N/A	Stand was cut in 2007, slowly regenerating to swamp conifer. Some scattered overstory white pine and cedar.																																																		
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<b>71</b>	6225 - Bog	None	1.7			No	Wet open bog																																																		
<b>72</b>	6225 - Bog	None	0.6			No	Wet open bog																																																		
<b>73</b>	4134 - Aspen, Spruce/Fir	Sapling Well	10.4	39	1-50	N/A	Slower growing deciduous regen, more maple growing now than before																																																		
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<b>74</b>	6225 - Bog	None	6.0			No	Bog																																																		
<b>75</b>	4130 - Aspen	Sapling Well	2.1	27	Unspecified	N/A	Aspen regeneration, cut in 1999. Continuation of stand 53 in adjacent compartment																																																		
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<b>76</b>	4134 - Aspen, Spruce/Fir	Sapling Well	23.3	24	Immature	N/A																																																																
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<b>77</b>	6225 - Bog	None	0.3			No	Bog																																																															
<b>78</b>	6225 - Bog	None	1.0			No	Bog																																																															
<b>79</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	19.0	115	1-50	N/A	Non-productive swamp with tag alder. Mixed swamp conifers. Wet.																																																															
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<b>80</b>	623 - Emergent Wetland	None	15.2			No	Beaver marsh, frequently flooded																																																															
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<b>81</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	24.3	36	1-50	N/A	This stand was split from original stand as it is growing a more pure stand of aspen, larger diameters than stand 56. Some stems already 6"+																																																															
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White Spruce	10	Sapling	3																																																																			
<b>82</b>	4319 - Mixed Upland Forest	Poletimber Medium	2.2	67	1-50	N/A	Stand contains stream drainage from lowland to beaver pond																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**83** 4134 - Aspen, Spruce/Fir Sapling Well 3.3 36 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	70	Sapling/Pole	4	36
Bigtooth Aspen	10	Pole/Sapling	5	
Balsam Fir	10	Sapling/Pole	4	
White Spruce	10	Sapling/Pole	4	

**84** 6122 - Black Spruce Poletimber Medium 3.8 101 1-50 N/A

Stand is along a drop off from the aspen stand down to an lowland type. Stems still too small for merchantability.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	7	
Balsam Poplar	10	Pole	7	
Balsam Fir	5	Sapling/Pole	4	
Black Spruce	70	Pole/Sapling	5	101
Northern White Cedar	5	Pole	6	
Tamarack	5	Pole	6	

**85** 622 - Lowland Shrub None 29.2 No Mostly Black River and creeks flood plain.

**86** 622 - Lowland Shrub None 1.1 No tag alder

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

**88** 4136 - Aspen, Mixed Conifer Sapling Well 13.4 19 Immature N/A The mature white pine was left. Aspen regeneration is doing good.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	80	Sapling	3	19
Balsam Fir	5	Sapling	2	
White Spruce	5	Sapling	2	
White Pine	10	Log	12	

**89** 4134 - Aspen, Spruce/Fir Poletimber Well 17.6 56 81-110 N/A Decent Mackinac Mix stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole/Sapling	6	
Quaking Aspen	50	Pole/Sapling	7	56
Bigtooth Aspen	5	Pole/Sapling	6	
Balsam Fir	10	Pole/Sapling	6	
White Spruce	10	Pole/Sapling	7	
Red Pine	10	Log	13	

Sub-Canopy Species	Density	Avg. Height	Size
Conifers	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
<b>91</b>	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	3.4	76	1-50	N/A	This was a portion of a previous timber sale that was left due to being extremely wet and poorly stocked.																																																									
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<b>92</b>	6225 - Bog	None	0.8			No	small bog , steep ridges all around.																																																									
<b>94</b>	42110 - Planted Red Pine	Sawtimber Medium	4.7	96	51-80	N/A	Red pine and white pine were left after last entry. Planting records from 1931 were found.																																																									
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<b>95</b>	4130 - Aspen	Sapling Well	64.6	24	Immature	N/A	Regeneration is well established. Most of the red pine was cut out in 2018 as part of Sledgehammer mix. Mix of regen sizes from 1"-3" due to being cut through in 2018.																																																									
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<b>96</b>	6225 - Bog	None	1.6			No	Small bog , steep ridges all around.																																																									
<b>97</b>	42140 - Planted Mixed Pine	Sawtimber Well	7.6	96	81-110	N/A	Stand was cut in 2002. All of the white pine and red pine were left. This stand has more white pine and a higher basal area than the stand to the north. Planting records found from 1931.																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**101** 6139 - Mixed Lowland Forest Poletimber Medium 145.1 86 Unspecified N/A Contains Black River and creeks flood plain.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Log	9		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Paper Birch	15	Pole/Log	9					
Quaking Aspen	20	Pole/Log	9	86				
Balsam Fir	10	Pole/Sapling	6					
White Spruce	10	Pole/Log	9					
Black Spruce	5	Pole/Sapling	5					
Northern White Cedar	10	Pole/Sapling	7					
White Pine	10	Log/Pole	12					
Red Pine	5	Log/Pole	12					

**102** 4112 - Maple, Beech, Cherry Association Sawtimber Medium 2.9 103 51-80 N/A Stand was thinned in 2010. Still low basal area, with very little hardwood regen present. Look to shelterwood or seedtree next entry if regen is still not present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Log/Pole	10	103	Sugar Maple	Low	Variable	Variable
Red Maple	20	Pole/Log	8		Conifers	High	Variable	Variable
Paper Birch	5	Pole	8					
Quaking Aspen	5	Log/Pole	10					

**104** 4134 - Aspen, Spruce/Fir Sapling Well 10.7 16 Immature N/A Stand was cut on 2010. Some larger birch seed trees were left. Primarily an aspen stand now.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	2	
Paper Birch	20	Sapling	2	
Quaking Aspen	50	Sapling	2	16
Balsam Fir	10	Sapling	2	
White Spruce	10	Sapling	2	

**105** 6112 - Lowland Aspen Poletimber Medium 23.4 82 51-80 N/A This stand surrounds an intermittent stream. It was left last time as a buffer and it is overall very poor quality.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	8		Tag Alder	Medium	Variable	Variable
Paper Birch	10	Pole	7		Conifers	Low	Variable	Variable
Quaking Aspen	30	Pole/Log	8	82				
Balsam Poplar	15	Pole	8					
Balsam Fir	20	Pole	6					
White Spruce	10	Pole	7					
Black Ash	10	Pole	6					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**107** 4191 - Mixed Upland Deciduous with Conifer Sawtimber Medium 10.6 74 1-50 N/A Mackinac mix upland stand with some lower wet areas. Sparse aspen, maple, spruce overstory with thick balsam fir understory. Cedar where wettest.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Log/Pole	10	
Quaking Aspen	20	Log/Pole	10	
Balsam Poplar	20	Log/Pole	10	74
Balsam Fir	20	Pole/Sapling	5	
White Spruce	5	Log/Pole	10	
Northern White Cedar	10	Pole	6	
White Pine	5	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Variable
Balsam Fir	High	Variable	Variable

**108** 4134 - Aspen, Spruce/Fir Poletimber Well 71.4 42 1-50 N/A Very nice aspen stand. It is just transitioning into a pole stand. There is still lots of sapling size trees. Some areas of merchantability. More conifer on east side of stand.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Sapling/Pole	4	
Quaking Aspen	65	Pole/Sapling	5	42
Bigtooth Aspen	10	Pole/Sapling	6	
Balsam Fir	15	Sapling/Pole	4	
White Spruce	5	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Conifers	Medium	< 5 feet	< 5 feet

**109** 4110 - Sugar Maple Association Sawtimber Well 32.8 114 111-140 N/A Stand was thinned in 2009. Nice hardwood stand.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	90	Log/Pole	10	114
Red Maple	10	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	Variable	Variable
Sugar Maple	Medium	Variable	Variable

**112** 4134 - Aspen, Spruce/Fir Sapling Well 7.4 31 Immature N/A Aspen/balsam fir stand. Aspen saplings growing with small balsam poles that were residual from harvest.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	2	
Paper Birch	5	Sapling	3	
Quaking Aspen	40	Sapling	3	31
Bigtooth Aspen	15	Sapling	3	
Balsam Fir	15	Pole/Sapling	5	
White Spruce	15	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Conifers	Medium	< 5 feet	< 5 feet

**114** 4130 - Aspen Poletimber Well 7.1 42 1-50 N/A Nice aspen stand. It is just transitioning into a pole stand. There is still lots of sapling size trees.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Sapling/Pole	4	
Quaking Aspen	70	Pole/Sapling	5	42
Bigtooth Aspen	10	Pole/Sapling	5	
Balsam Fir	10	Sapling/Pole	4	
White Spruce	5	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Conifers	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
115	4134 - Aspen, Spruce/Fir	Sapling Well	17.1	18	Immature	N/A	Stand was cut in 2008 Black River Blues . Mostly aspen regeneration.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	1	
Paper Birch	10	Sapling	1	
Quaking Aspen	60	Sapling	2	18
Bigtooth Aspen	5	Sapling	2	
Balsam Fir	10	Sapling	1	
White Spruce	10	Sapling	1	

116	4134 - Aspen, Spruce/Fir	Poletimber Well	2.2	88	51-80	N/A	Small stand of large pole/small saw sized aspen with some maple
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log/Pole	10		Conifers	High	Variable	Variable
Quaking Aspen	50	Pole/Log	9	88				
Bigtooth Aspen	20	Pole/Log	9					
Balsam Fir	10	Pole	7					
White Spruce	10	Pole	7					

118	4130 - Aspen	Sawtimber Well	4.9	96	81-110	N/A	Steep buffer between the road and Black River.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole/Log	8		Conifers	High	Variable	Variable
Quaking Aspen	80	Log	12	96				
Balsam Fir	5	Pole	8					
White Spruce	10	Log/Pole	10					

120	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	5.6	133	51-80	N/A	This was a wet area of the original stand that was cut 34 years ago. It was left for retention and diversity.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	8		Balsam Fir	High	10 - 20 feet	10 - 20 feet
Balsam Poplar	10	Pole	8		Tag Alder	Medium	Variable	Variable
Balsam Fir	10	Pole	7					
Black Spruce	30	Pole/Sapling	5					
Northern White Cedar	40	Pole/Sapling	7	133				

121	4134 - Aspen, Spruce/Fir	Sapling Well	41.3	35	Immature	N/A	Nice aspen stand. All regeneration is doing good.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling	3		Conifers	Medium	5 - 10 feet	5 - 10 feet
Paper Birch	20	Sapling/Pole	4					
Quaking Aspen	50	Sapling/Pole	4	35				
Balsam Fir	10	Sapling	3					
White Spruce	10	Sapling	2					
White Pine	5	Log	10					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
<b>123</b>	6122 - Black Spruce	Sapling Well	8.4	101	1-50	N/A	Very wet black spruce. Some cedar in the stand.																																													
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<b>124</b>	4136 - Aspen, Mixed Conifer	Sapling Well	39.6	19	Immature	N/A	Stand was cut in 2008 and 2009. Hemlock and cedar around the wet area and along the creek buffer. The north part was a red pine seed tree but it has mostly come back to aspen.																																													
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Hemlock	5	Log/Pole	10																																																	
<b>125</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	4.2	63	81-110	N/A	Most of stand is within 300' of creek buffer																																													
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<b>126</b>	42110 - Planted Red Pine	Sawtimber Well	2.0	96	111-140	N/A	This stand has been left as a buffer along the creek and for super canopy trees.																																													
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<b>129</b>	42110 - Planted Red Pine	Poletimber Well	55.2	21	51-80	N/A	Transitioning to pole size																																													
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<b>132</b>	42110 - Planted Red Pine	Poletimber Well	19.1	34	51-80	N/A	Stand is doing great.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
<b>133</b>	4113 - R.Maple, Conifer	Sapling Well	9.9	34	Immature	N/A	Upland Mackinac Mix stand heavy towards red maple. There was red oak planted in the stand 20 years ago but I didn't see any. Failed attempt at oak and pine planting.																																								
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<b>134</b>	42110 - Planted Red Pine	Poletimber Well	11.0	34	51-80	N/A	Red pine is doing great.																																								
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<b>137</b>	42110 - Planted Red Pine	Sawtimber Well	17.6	86	111-140	N/A	Stand was thinned in 2010. Beginning to get thick understory maple regen.																																								
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<b>138</b>	42110 - Planted Red Pine	Sapling Well	47.8	16	Immature	N/A	Red pine is doing good. Release sprayed on 9/9/2017.																																								
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<b>140</b>	4112 - Maple, Beech, Cherry Association	Poletimber Medium	2.3	96	81-110	N/A	Small hill of hardwood and filled in opening with aspen in the pine plantation. Adds nice diversity.																																								
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<b>142</b>	6225 - Bog	None	3.0			No	Wet open bog																																								
<b>144</b>	122 - Road/Parking Lot	None	6.0			No	H-40																																								
<b>171</b>	6139 - Mixed Lowland Forest	Poletimber Medium	10.7	111	1-50	N/A	Stand has been flooded for years. Most of the birch is dead.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**410** 4319 - Mixed Upland Forest Poletimber Poor 11.2 51 1-50 N/A Filling in with spruce, birch and aspen. Treat when 109 is harvested

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	5		Red Maple	Trace	Variable	Variable
Paper Birch	20	Pole	6	51	Quaking Aspen	Low	Variable	Variable
Quaking Aspen	20	Pole	6					
Balsam Fir	10	Pole	6					
White Spruce	20	Pole	8					
White Pine	10	Pole	8					
Jack Pine	5	Pole	6					
Black Cherry	10	Pole	6					

**417** 4199 - Other Mixed Upland Deciduous Sapling Medium 7.7 21 Immature N/A Burned in 05 to convert U type back to G0. Lots of aspen and cherry in it now.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	25	Sapling	2	
Quaking Aspen	30	Sapling	2	21
Balsam Fir	10	Sapling	2	
White Pine	5	Pole/Sapling	6	
Black Cherry	30	Sapling	2	

**435** 310 - Herbaceous Openland None 25.8 Yes Some knolls of soft maple. Might be worth burning. Some thick patches of blue and black berries

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Low	>20 feet	>20 feet
White Pine	Low	>20 feet	>20 feet

**447** 310 - Herbaceous Openland None 9.1 Yes Grass opening with some encroaching maple and aspen saplings. Scattered white pine throughout.

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	>20 feet	>20 feet
Maple (spp.)	Medium	Variable	Variable
Quaking Aspen	Low	Variable	Variable

**467** 310 - Herbaceous Openland None 1.2 No Not much encroaching vegetation. Treat with adjacent stand.