



Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61247

Entry Year 2028

Acreage: 1,981

County: Kalkaska

Management Area: Kalkaska Sandy Moraines

Stand Examiner: Paul Roell

Legal Description:

T25N, R8W, Sections, 27, 28, 32, 33 & 34.

Identified Planning Goals:

Vegetation management in the Kalkaska Sandy Moraines management area (MA) (Figure 4.23.1) will provide timber products; maintain or enhance wildlife habitat; protect areas of unique character including the Manistee River and its tributaries, a designated natural river; threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period includes continuing aspen management to maintain early successional habitat for hunting and other wildlife-related recreational opportunities; increasing regeneration of oak; focusing on balancing the red pine age class structure through final harvests and re-planting; and on improving red pine quality through partial harvests. Expected trends within this 10-year planning period are increased recreational pressure, especially on the established trails and along the Manistee River and its tributaries; an increased wildland/urban interface and a need to restore barrens communities through prescribed fire; and invasive plant control.

Soil and topography:

Soils are mostly Rubicon & Kalkaska sands. The area is relatively flat & in some cases poorly drained. The Manistee River flows from the NE to the SW of the compartment. There is some relief next to the river & its tributaries.

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

Mostly block state ownership. A large island of private property is just south of Rainbow Jim's bridge, where Coster Road cross the Manistee River. This area has a number of permanent & seasonal residences. Two other in-holdings are in the compartment. They are both former Consumers Power cabin leases which were sold to the leasers. One 30 year Consumers Power lease is still active.

Unique Natural Features:

This compartment falls within landtype associations (LTAs) 2221, 5131, and 5211 of sub-subsection VII.2.2. LTA 5211, a pitted outwash plain with excessively drained sand, occurs in the southeastern and northwestern portions of the compartment. LTA 2221, characterized by broad moraine ridges, few or no lakes, and well drained sand, occurs along the northwestern portion of the compartment. Circa 1800, 91% of the LTA supported northern hardwood forests of American beech and sugar maple. Wetlands were forested with various types of lowland conifers. The LTA has become quite fragmented with 19% consisting of various types with less than 5% cover. Cropland, now the most wide spread cover type, occurs on about 29% of the LTA with old fields occurring on another 13%. Pine forests, which occurred on only about 2% of the LTA circa 1800, now cover 20%; these are largely plantations. Northern hardwood forests also occur on 20% of the LTA, however this represents a significant reduction compared to circa 1800 acreage. The remainder of the compartment occurs in LTA 5131, which is a broad flat outwash plain with poorly drained sand or loamy sand. The variety of circa 1800 vegetation types which occur reflect the LTAs complexity. Forests of hemlock, usually mixed white pine or American beech, were common on poorly drained sands whereas mixed conifer swamps dominated very poorly drained organic soils. Finally, well drained inclusions supported northern hardwood forests of American beech and sugar maple while forests of mixed red and white pine occurred on excessively drained, fire-prone areas within the LTA. The LTA has become quite fragmented and 23% of its surface area supports cover types with less than 5% individual cover. Hemlock dominated forests have been virtually eliminated whereas aspen/white birch forests, rare circa 1800, have become the predominant cover type. Conifer dominated wetlands, which covered more than one quarter of the LTA circa 1800, have been reduced to about 8% cover, while formerly absent hardwood and shrub/scrub swamps now collectively cover 24% of the area. The remaining northern hardwood forests, which now occur on only about 5% of the LTA, are second growth, often fragmented, woodlots that lack the original white pine or hemlock component. Finally, another 6% of the LTA is in old fields. MNFI records show one species as Special Concern. The Manistee River & the tributaries of Ham Creek, Bourne Creek & Spring Creek are in the Compartment.

Archeological, Historical, and Cultural Features:

None listed though there is likely historical sites within the compartment due to the proximity to the Manistee River.

Special Management Designations or Considerations:

The Manistee River is a designated Natural River, so all Natural Rivers restrictions apply to both the mainstem and all tributaries. Spring Creek, Bourne Creek, Ham Creek, Haynes Creek and the Manistee river are all designated Natural Rivers.

Watershed and Fisheries Considerations:

The Manistee River and the tributaries of Ham Creek, Bourne Creek, and Spring Creek flow through Compartment 247. All are Designated Trout Streams. The Manistee River is stocked with brown trout by Fisheries Division. Spring Creek holds a population of wild brook trout. Ham Creek is a wild brook trout stream further upstream, and used to hold multiple species of wild trout in Compartment 247. However, just upstream of Compartment 247, Ham Creek has been severely degraded by beavers, to the point where the stream is now too warm to hold trout. Fisheries Division would like to see Ham Creek restored to the point where wild trout again can survive in the vicinity of Compartment 247. All BMPs and Natural Rivers standards should be adhered to when cutting near water.

Wildlife Habitat Considerations:

The bulk of Compartment 247 falls on poorly drained soils of a glacial outwash plain. However, this glacial landform does include pockets of excessively drained sandy soils, usually situated on low rises or hummocks in the landscape. The northwestern edge of compartment is underlain by broad ridges that transitions into an outwash plain both of which consist of sandy well drained soils.

According to the National Wetlands Inventory layer, upland inclusions of drier soils seem to dominate the otherwise poorly drained outwash plain within compartment 247. Aspen and scattered pine plantations are the typical cover here. Prolific balsam fir serves as a cover for species such as snowshoe hare. Harvests planned on these drier inclusions should incorporate retention of snags, down logs, saplings, conifers, and some sturdy, mature leave trees to mimic natural blowdown patches. Tops should be left unchipped if possible for horizontal cover. When timber sales are adjacent to appropriate lowland stands the new snowshoe hare habitat spec should be utilized to create horizontal cover. Several cuts are planned this entry period in order to provide age class and structural diversity for wildlife like grouse, woodcock, golden-winged warbler, gray catbirds, and deer. Islands of longer lived tree species should be left for structural diversity and to provide habitat components like den and cavity trees, hard and soft mast, future horizontal cover, and areas of lower stem density with a closed canopy. Species taking advantage of some of these older islands might include eastern box turtles, little brown and northern myotis bats, rat snakes, and gray foxes.

Long-term management of the lowland segments of this landscape should emphasize mature mixed conifers as much as possible, as this area is important for yarding deer. Future natural blowdowns may add to the diversity of this landscape and should be left unsalvaged if they occur.

Mineral Resource and Development Concerns and/or Restrictions

There is no known potential for the occurrence of economic deposits of metallic minerals in this part of the state. An active sand/gravel pit occurs just west of the compartment, but potential for development of additional aggregate resources within the compartment appears to be limited. Some past natural gas production has occurred within and around the compartment, but there has been no recent well permit activity, and there are no active leases involving State-owned oil & gas rights within the area. The State does not own any mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Significant road work will need to be done on the forest road off of Maple Hill Road which crosses Bourne Creek. A culvert and equalization tubes were installed with a timber sale however the road could still use significant amount of gravel to make it an all season road. Some ORV issues on a small drain on the trail to the west of stand 78, close this trail off with the timber sale.

Survey Needs:

None at this time

Recreational Facilities and Opportunities:

There are no DNR designated trails within this compartment.

Fire Protection:

Most of the compartment is not a high risk for fires.

Additional Compartment Information:

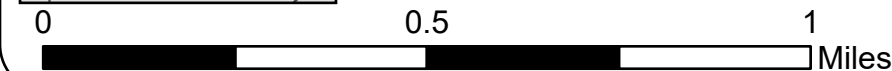
The following reports from the Inventory are attached:

- 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**

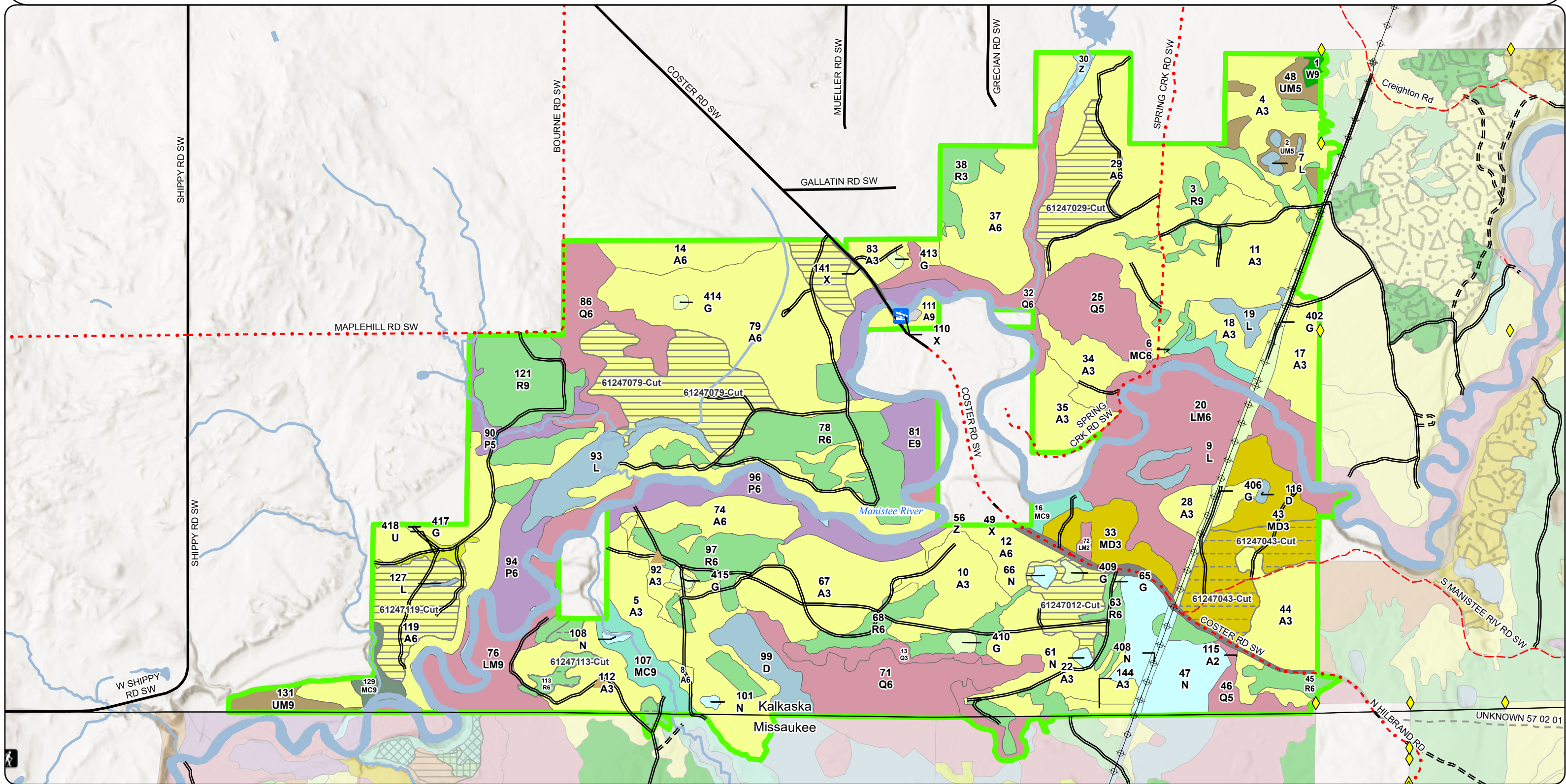
The following information is displayed, where pertinent, on the attached compartment maps:

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

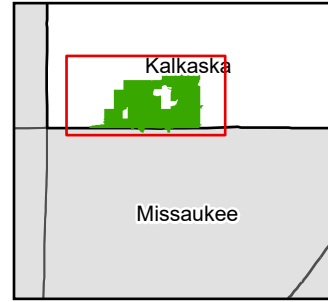
A map of Kalkaska and Missaukee counties, Michigan. The Kalkaska Water Treatment Plant is highlighted with a red rectangle and labeled 'Kalkaska'. The surrounding area is labeled 'Missaukee'.



- | | | | | | | | |
|---|---------------------------------------|---|-------------------------------|---|---------------------------------|---|----------------------------|
|  | Survey Grade Corners |  | County - Dirt Road (Seasonal) |  | 419 - Mixed Upland Deciduous |  | 613 - Lowland Mixed Forest |
|  | Culvert |  | Private - Dirt / Gravel Road |  | 421 - Planted Pines |  | 110 - Low Intensity Urban |
|  | Boating Access Site |  | Streams |  | 422 - Natural Pines |  | 122 - Road/Parking Lot |
|  | Berm |  | Lakes and Rivers |  | 423 - Other Upland Conifers |  | 310 - Herbaceous Openland |
|  | Electric |  | Compartment Boundary |  | 429 - Mixed Upland Conifers |  | 330 - Low Density Trees |
|  | DNR - Secondary Forest Road |  | Clearcut |  | 430 - Upland Mixed Forest |  | 622 - Lowland Shrub |
|  | DNR - Forest Access Route |  | Overstory Removal |  | 500 - Water |  | 623 - Emergent Wetland |
|  | Federal / State / County - Paved Road |  | 413 - Aspen |  | 611 - Lowland Deciduous Forest | | |
|  | County - Gravel Road | | |  | 612 - Lowland Coniferous Forest | | |



Stand Boundary Map



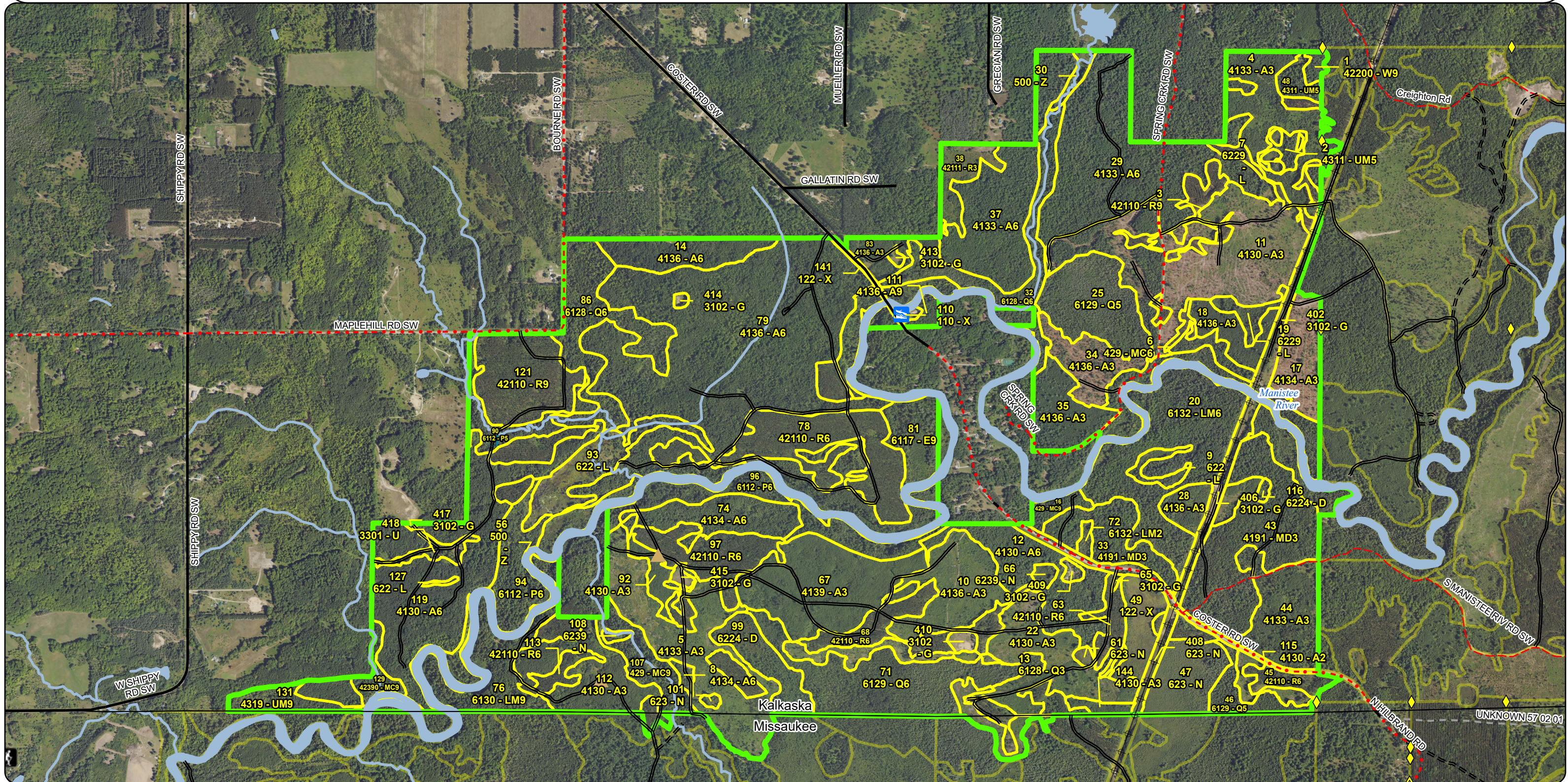
Compartment: 61247
T25N R08W Sec. 27, 28, 32-34
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 1,981 GIS Calculated
Examiner: Paul Roell
Date Exported: 06/29/2026
Map Phase: Web Post

- Survey Grade Corners
- Culvert
- Boating Access Site
- Berm
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road

- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- Compartment Stand Yellow Outline (PD)

- | | |
|------------------------------|------------------------------|
| 413 - Aspen | 413 - Aspen |
| 419 - Mixed Upland Deciduous | 419 - Mixed Upland Deciduous |
| 421 - Planted Pines | 421 - Planted Pines |
| 422 - Natural Pines | 422 - Natural Pines |
| 423 - Other Upland Conifers | 423 - Other Upland Conifers |
| 429 - Mixed Upland Conifers | 429 - Mixed Upland Conifers |

- | | |
|---------------------------------|---------------------------------|
| 430 - Upland Mixed Forest | 430 - Upland Mixed Forest |
| 500 - Water | 500 - Water |
| 611 - Lowland Deciduous Forest | 611 - Lowland Deciduous Forest |
| 612 - Lowland Coniferous Forest | 612 - Lowland Coniferous Forest |
| 613 - Lowland Mixed Forest | 613 - Lowland Mixed Forest |
| 110 - Low Intensity Urban | 110 - Low Intensity Urban |
| 122 - Road/Parking Lot | 122 - Road/Parking Lot |
| 310 - Herbaceous Openland | 310 - Herbaceous Openland |
| 330 - Low Density Trees | 330 - Low Density Trees |
| 622 - Lowland Shrub | 622 - Lowland Shrub |
| 623 - Emergent Wetland | 623 - Emergent Wetland |



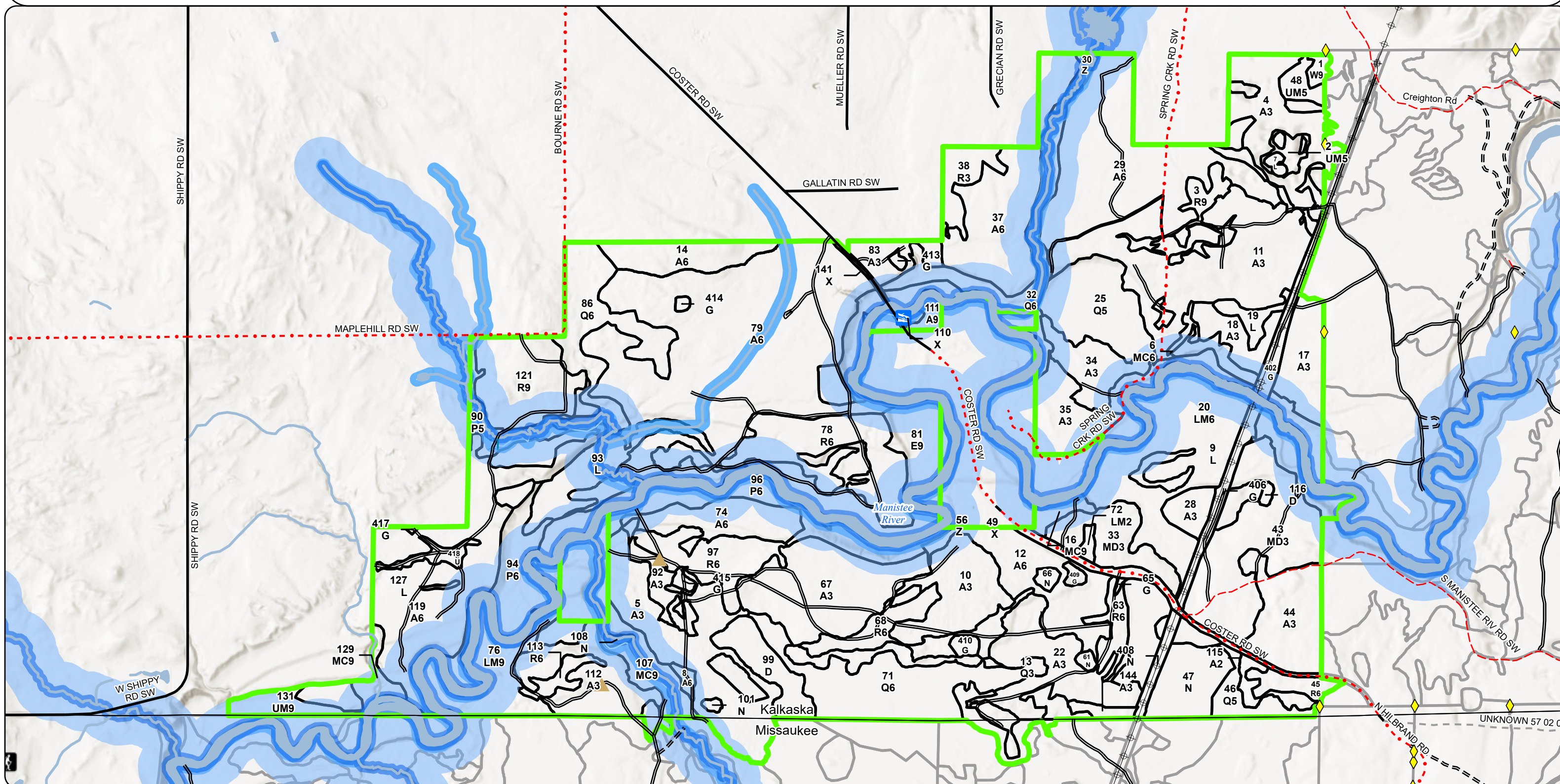
A horizontal scale bar with tick marks at 0, 0.5, and 1. The word "Miles" is written at the right end of the bar.

Component: 61247
 T25N R08W Sec. 27, 28, 32-34
 County: Kalkaska
 Unit: Traverse City
 Mgmt. Area: Kalkaska Sandy Moraines
 YOE: 2028
 Acres: 1,981 GIS Calculated
 Examiner: Paul Roell
 Date Exported: 06/29/2026
 Map Phase: Web Post



-  Survey Grade Corners
 Culvert
 Boating Access Site
 Berm
 DNR - Secondary Forest Road
 DNR - Forest Access Route

-  Federal / State / County - Paved Road
  Compartment Boundary
 County - Gravel Road
 High Conservation Value Areas
 County - Dirt Road (Seasonal)
 Natural Rivers Vegetative Buffer
 Private - Dirt / Gravel Road
 Natural Rivers Zoning District
 Streams
 Cold Water Streams
 Lakes and Rivers
 High Priority Trout Stream Buffer
 Electric



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	255	214	3	87	391	35	0	9	0	0	0	0	0	0	0	0	0	994
Herbaceous Openland	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	27	21	13	0	0	0	0	0	0	0	0	0	61
Lowland Conifers	0	19	0	0	0	0	0	34	0	117	0	0	0	0	0	0	0	10	180
Lowland Deciduous	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	29
Lowland Mixed Forest	0	0	0	0	0	0	0	98	48	0	0	0	0	0	0	0	0	0	146
Lowland Shrub	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Marsh	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Mixed Upland Deciduous	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81
Red Pine	0	0	12	0	0	0	165	22	29	0	0	0	0	0	0	0	0	0	228
Treed Bog	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Upland Conifers	0	0	0	0	0	0	0	0	0	22	0	7	0	0	0	0	0	5	34
Upland Mixed Forest	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	10	25
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Water	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
White Pine	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Total	199	355	226	3	87	391	242	175	99	171	0	7	0	0	0	0	0	25	1980



Report 2 – Treatment Summary

Traverse City Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 247
Total Compartment Acres: 1,981

Commercial Harvest - 363
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	Overshoot Removal	Salvage	Other	Total Acres
Aspen	157	0	0	0	0	0	0	0	0	157
Mixed Upland Deciduous	0	0	0	0	0	39	0	0	0	39
Red Pine	0	0	0	0	0	11	0	0	0	11
Total	157	0	0	0	0	49	0	0	0	206

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	206	0	0	0	0	0	0	0	0	206
Next Step	0	0	0	0	0	157	0	0	0	157
Total	206	0	0	0	0	157	0	0	0	362



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

Proposed Treatments:

12	61247012-Cut	19.0	4130 - Aspen	6	56	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and larger in diameter. Leave all white oak and white pine. Leave around 3 percent area retention. Include grouse spec <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, red maple, mixed softwood and oak <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
29	61247029-Cut	29.9	4133 - Aspen, Mixed Pine	6	43	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and larger in diameter. Leave all white oak and mark no more than 25 white pine to leave. Leave around 3 percent area <u>Specs:</u> retention. Include grouse spec <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, red maple, oak and mixed softwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
43	61247043-Cut	38.7	4191 - Mixed Upland Deciduous with Conifer	3	3	Immature	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> cut all trees 6 inches and larger in dbh <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> red maple, aspen, and oak <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											

S
t
a
n
d

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
79 61247079-Cut	74.0	4136 - Aspen, Mixed Conifer	6	45	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and larger in diameter. Leave all white oak and white pine. Leave around 3 percent area retention. Include grouse spec <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, oak, red maple and mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										
113 61247113-Cut	10.5	42110 - Planted Red Pine	6	59	141-170	Harvest	Overstory Removal	4139 - Aspen, Mixed Deciduous	Planting Record	No
<u>Prescription</u> Cut all trees 6 inches and larger. Release existing established understory. Winter time harvest for protection of potential cultural sites <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										
119 61247119-Cut	33.7	4130 - Aspen	6	38	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and larger in diameter. Leave all white oak and white pine. Leave around 3 percent area retention. Winter harvest only to protect potential cultural sites Include grouse spec <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, red maple, oak and mixed pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										

Total Treatment **205.8**
 Acreage Proposed:



Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions		
				1A	2G	5E
722	688	0	34	Aspen	31	3
27	27	0	0	Herbaceous Openland		
5	5	0	0	Low-Density Trees		
50	13	0	37	Lowland Aspen/Balsam Poplar	25	12
180	119	0	61	Lowland Conifers	21	40
29	0	0	29	Lowland Deciduous	13	16
78	2	0	77	Lowland Mixed Forest	77	
36	36	0	0	Lowland Shrub		
47	47	0	0	Marsh		
81	81	0	0	Mixed Upland Deciduous		
179	176	0	3	Red Pine	3	
18	18	0	0	Treed Bog		
22	16	0	6	Upland Conifers	6	
17	15	0	2	Upland Mixed Forest	2	
13	13	0	0	Urban		
53	53	0	0	Water		
3	3	0	0	White Pine		
1,559	1,311		248	Total Forested Acres	177	68
	84%		16%	Relative Percent	3	

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	1A: Federal/State/Local Law	47	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 175 Manistee river buffer								

Report 4 – Site Conditions



2	Unavailable	1C: Other Dept. or Div. process	20	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 175 foot Manistee River Buffer							
5	Unavailable	1A: Federal/State/Local Law	132	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 175 foot Manistee River Buffer							
6	Unavailable	1C: Other Dept. or Div. process	3	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	1C: Other Dept. or Div. process	5	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



14	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	3	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
----------	--------------	-------------	----------------	-------

Comments



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
1	42200 - Natural White Pine	Sawtimber Well	2.6	85	141-170	N/A																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>80</td><td>Log/Pole</td><td>10</td><td>85</td></tr><tr><td>Red Maple</td><td>10</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Red Pine</td><td>5</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Red Oak</td><td>2</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Paper Birch</td><td>3</td><td>Pole</td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	White Pine	80	Log/Pole	10	85	Red Maple	10	Log/Pole	10		Red Pine	5	Log/Pole	10		Red Oak	2	Log/Pole	10		Paper Birch	3	Pole	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	5 - 10 feet					
Canopy Species	% Cover	Size Class	DBH	Age																																												
White Pine	80	Log/Pole	10	85																																												
Red Maple	10	Log/Pole	10																																													
Red Pine	5	Log/Pole	10																																													
Red Oak	2	Log/Pole	10																																													
Paper Birch	3	Pole	8																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
White Pine	Low	5 - 10 feet	5 - 10 feet																																													
2	4311 - Pine, Aspen Mix	Poletimber Medium	9.4	55	1-50	N/A	This area was taken out of the surrounding timber sale there are steeper sloped that go down to ponds 2012 under tsale contract 027-08-01																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>55</td><td>Pole/Sapling</td><td>7</td><td>55</td></tr><tr><td>White Pine</td><td>45</td><td>Pole/Sap/Log</td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	55	Pole/Sapling	7	55	White Pine	45	Pole/Sap/Log	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	5 - 10 feet																				
Canopy Species	% Cover	Size Class	DBH	Age																																												
Quaking Aspen	55	Pole/Sapling	7	55																																												
White Pine	45	Pole/Sap/Log	8																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
White Pine	Low	5 - 10 feet	5 - 10 feet																																													
3	42110 - Planted Red Pine	Sawtimber Well	22.3	63	111-140	N/A	2024 - Stand was thinned in 2022 (247 Creek & Coster)																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>98</td><td>Log/Pole</td><td>10</td><td>63</td></tr><tr><td>Black Cherry</td><td>2</td><td>Pole/Sapling</td><td>7</td><td>63</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	98	Log/Pole	10	63	Black Cherry	2	Pole/Sapling	7	63	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	5 - 10 feet	5 - 10 feet	White Pine	Low	5 - 10 feet	5 - 10 feet	Red Maple	Low	5 - 10 feet	5 - 10 feet												
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Pine	98	Log/Pole	10	63																																												
Black Cherry	2	Pole/Sapling	7	63																																												
Sub-Canopy Species	Density	Avg. Height	Size																																													
Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																													
White Pine	Low	5 - 10 feet	5 - 10 feet																																													
Red Maple	Low	5 - 10 feet	5 - 10 feet																																													
4	4133 - Aspen, Mixed Pine	Sapling Well	34.3	14	Immature	N/A	Stand harvested in 2012																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>20</td><td>Sapling</td><td>2</td><td>14</td></tr><tr><td>Quaking Aspen</td><td>50</td><td>Sapling</td><td>2</td><td>14</td></tr><tr><td>Balsam Fir</td><td>10</td><td>Sapling</td><td>2</td><td>20</td></tr><tr><td>White Pine</td><td>20</td><td>Sapling</td><td>4</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Sapling	2	14	Quaking Aspen	50	Sapling	2	14	Balsam Fir	10	Sapling	2	20	White Pine	20	Sapling	4																						
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Maple	20	Sapling	2	14																																												
Quaking Aspen	50	Sapling	2	14																																												
Balsam Fir	10	Sapling	2	20																																												
White Pine	20	Sapling	4																																													
5	4133 - Aspen, Mixed Pine	Sapling Well	56.7	7	Immature	N/A																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>40</td><td>Sapling</td><td>2</td><td>7</td></tr><tr><td>White Pine</td><td>25</td><td>Pole/Log/Sap</td><td>8</td><td>73</td></tr><tr><td>Red Maple</td><td>35</td><td>Sapling</td><td>2</td><td>9</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	40	Sapling	2	7	White Pine	25	Pole/Log/Sap	8	73	Red Maple	35	Sapling	2	9																										
Canopy Species	% Cover	Size Class	DBH	Age																																												
Quaking Aspen	40	Sapling	2	7																																												
White Pine	25	Pole/Log/Sap	8	73																																												
Red Maple	35	Sapling	2	9																																												
6	429 - Mixed Upland Conifers	Poletimber Well	5.8	87	81-110	N/A																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>25</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>Quaking Aspen</td><td>25</td><td>Pole/Sapling</td><td>7</td><td></td></tr><tr><td>White Pine</td><td>45</td><td>Pole/Log</td><td>9</td><td>87</td></tr><tr><td>Red Maple</td><td>5</td><td>Pole</td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	25	Pole/Sapling	6		Quaking Aspen	25	Pole/Sapling	7		White Pine	45	Pole/Log	9	87	Red Maple	5	Pole	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	5 - 10 feet	White Pine	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet		
Canopy Species	% Cover	Size Class	DBH	Age																																												
Balsam Fir	25	Pole/Sapling	6																																													
Quaking Aspen	25	Pole/Sapling	7																																													
White Pine	45	Pole/Log	9	87																																												
Red Maple	5	Pole	8																																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
Red Maple	Low	5 - 10 feet	5 - 10 feet																																													
White Pine	Low	5 - 10 feet	5 - 10 feet																																													
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet																																													
7	6229 - Mixed Lowland Shrub	None	2.5			No																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
8	4134 - Aspen, Spruce/Fir	Poletimber Well	3.4	73	111-140	N/A	Rention Islands from harvest on stand 5																																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>50</td><td>Pole</td><td>9</td><td>73</td><td>Balsam Fir</td><td>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Balsam Fir</td><td>25</td><td>Pole/Sapling</td><td>5</td><td>73</td><td>White Pine</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>15</td><td>Log/Pole</td><td>10</td><td>73</td><td></td><td></td><td></td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Pole</td><td>9</td><td>73</td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	50	Pole	9	73	Balsam Fir	High	10 - 20 feet	10 - 20 feet	Balsam Fir	25	Pole/Sapling	5	73	White Pine	Medium	5 - 10 feet	5 - 10 feet	White Pine	15	Log/Pole	10	73					Red Maple	10	Pole	9	73																						
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Quaking Aspen	50	Pole	9	73	Balsam Fir	High	10 - 20 feet	10 - 20 feet																																																														
Balsam Fir	25	Pole/Sapling	5	73	White Pine	Medium	5 - 10 feet	5 - 10 feet																																																														
White Pine	15	Log/Pole	10	73																																																																		
Red Maple	10	Pole	9	73																																																																		
9	622 - Lowland Shrub	None	4.5			No																																																																
10	4136 - Aspen, Mixed Conifer	Sapling Well	31.0	7	Immature	N/A	Stand was harvested in 2019																																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>5</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Red Maple</td><td>25</td><td>Sapling</td><td>1</td><td>7</td></tr><tr><td>Quaking Aspen</td><td>45</td><td>Sapling</td><td>1</td><td>7</td></tr><tr><td>Balsam Fir</td><td>15</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	5	Pole	6		Red Maple	25	Sapling	1	7	Quaking Aspen	45	Sapling	1	7	Balsam Fir	15	Sapling	3		Bigtooth Aspen	10	Sapling	1																																		
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
White Pine	5	Pole	6																																																																			
Red Maple	25	Sapling	1	7																																																																		
Quaking Aspen	45	Sapling	1	7																																																																		
Balsam Fir	15	Sapling	3																																																																			
Bigtooth Aspen	10	Sapling	1																																																																			
11	4130 - Aspen	Sapling Well	85.3	4	Immature	N/A	Stand was final harvested in 2022 (247 Creek & Coster). Scattered mature pine and oak left. 2016 - White pine condensed along drain at northwest edge of stand and scattered through out. red pine mainly north end as well, some thicker pockets. south end has quite a bit of balsam mixed in. south end appears to have had more residual left wen cut before so some larger aspen mixed in. cut south 1/4 of the stand now to break up age class, portion being cut appears to be more mature than the bulk of the stand. OK to dip into adjacent Q type when possible to restart some of the spruce edge.																																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>50</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>Red Maple</td><td>16</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>Red Pine</td><td>2</td><td>Log/Pole</td><td>12</td><td>85</td></tr><tr><td>White Pine</td><td>2</td><td>Log/Pole</td><td>11</td><td>85</td></tr><tr><td>Balsam Fir</td><td>5</td><td>Pole/Sapling</td><td>6</td><td>45</td></tr><tr><td>Bigtooth Aspen</td><td>25</td><td>Sapling</td><td>1</td><td>4</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	50	Sapling	1	4	Red Maple	16	Sapling	1	4	Red Pine	2	Log/Pole	12	85	White Pine	2	Log/Pole	11	85	Balsam Fir	5	Pole/Sapling	6	45	Bigtooth Aspen	25	Sapling	1	4																												
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Quaking Aspen	50	Sapling	1	4																																																																		
Red Maple	16	Sapling	1	4																																																																		
Red Pine	2	Log/Pole	12	85																																																																		
White Pine	2	Log/Pole	11	85																																																																		
Balsam Fir	5	Pole/Sapling	6	45																																																																		
Bigtooth Aspen	25	Sapling	1	4																																																																		
12	4130 - Aspen	Poletimber Well	35.2	56	81-110	N/A																																																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>5</td><td>Log/Pole</td><td>10</td><td>56</td><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>5</td><td>Pole/Sapling</td><td>6</td><td>56</td><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>15</td><td>Pole/Log</td><td>8</td><td>56</td><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Paper Birch</td><td>5</td><td>Pole/Log</td><td>8</td><td>56</td><td></td><td></td><td></td><td></td></tr><tr><td>Quaking Aspen</td><td>30</td><td>Pole/Log</td><td>8</td><td>56</td><td></td><td></td><td></td><td></td></tr><tr><td>Bigtooth Aspen</td><td>40</td><td>Log/Pole</td><td>10</td><td>56</td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	White Pine	5	Log/Pole	10	56	White Pine	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	5	Pole/Sapling	6	56	Red Maple	Low	5 - 10 feet	5 - 10 feet	Red Maple	15	Pole/Log	8	56	Balsam Fir	Low	5 - 10 feet	5 - 10 feet	Paper Birch	5	Pole/Log	8	56					Quaking Aspen	30	Pole/Log	8	56					Bigtooth Aspen	40	Log/Pole	10	56				
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
White Pine	5	Log/Pole	10	56	White Pine	Low	5 - 10 feet	5 - 10 feet																																																														
Balsam Fir	5	Pole/Sapling	6	56	Red Maple	Low	5 - 10 feet	5 - 10 feet																																																														
Red Maple	15	Pole/Log	8	56	Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																																														
Paper Birch	5	Pole/Log	8	56																																																																		
Quaking Aspen	30	Pole/Log	8	56																																																																		
Bigtooth Aspen	40	Log/Pole	10	56																																																																		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
13	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	19.0	5	Immature	N/A	Stand was harvested in 2019																																																				
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Sapling</td> <td>2</td> <td>7</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Sapling</td> <td>1</td> <td>7</td> </tr> <tr> <td>Balsam Fir</td> <td>30</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log</td> <td>10</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>35</td> <td>Sapling</td> <td>1</td> <td>5</td> </tr> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	10	Sapling	2	7	Red Maple	20	Sapling	1	7	Balsam Fir	30	Sapling	2		White Pine	5	Log	10		Tamarack	35	Sapling	1	5																						
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Quaking Aspen	10	Sapling	2	7																																																							
Red Maple	20	Sapling	1	7																																																							
Balsam Fir	30	Sapling	2																																																								
White Pine	5	Log	10																																																								
Tamarack	35	Sapling	1	5																																																							
14	4136 - Aspen, Mixed Conifer	Poletimber Well	19.9	45	81-110	N/A	Highly variable stand with some drainages throughout as well as wet swamp conifer inclusions.																																																				
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>Quaking Aspen</td> <td>45</td> <td>Pole</td> <td>7</td> <td>45</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> </table> <table> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	45	Pole	7	45	Red Maple	15	Pole	6		Balsam Fir	10	Pole	5		Northern White Cedar	5	Pole	7		White Pine	5	Pole/Log	8		Bigtooth Aspen	20	Pole	8		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	5 - 10 feet	Alder	Low	5 - 10 feet	5 - 10 feet	White Pine	Low	5 - 10 feet	5 - 10 feet	
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Quaking Aspen	45	Pole	7	45																																																							
Red Maple	15	Pole	6																																																								
Balsam Fir	10	Pole	5																																																								
Northern White Cedar	5	Pole	7																																																								
White Pine	5	Pole/Log	8																																																								
Bigtooth Aspen	20	Pole	8																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Red Maple	Low	5 - 10 feet	5 - 10 feet																																																								
Alder	Low	5 - 10 feet	5 - 10 feet																																																								
White Pine	Low	5 - 10 feet	5 - 10 feet																																																								
16	429 - Mixed Upland Conifers	Sawtimber Well	5.2	75	111-140	N/A																																																					
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td>65</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole/Log</td> <td>8</td> <td>65</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td>75</td> </tr> <tr> <td>Balsam Fir</td> <td>25</td> <td>Pole</td> <td>7</td> <td>65</td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Pole</td> <td>9</td> <td>65</td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Log/Pole</td> <td>13</td> <td>85</td> </tr> <tr> <td>White Pine</td> <td>35</td> <td>Log/Pole</td> <td>10</td> <td>75</td> </tr> </table> <table> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5	Pole/Log	8	65	Red Maple	15	Pole/Log	8	65	Red Pine	5	Log/Pole	12	75	Balsam Fir	25	Pole	7	65	Quaking Aspen	10	Pole	9	65	Red Oak	5	Log/Pole	13	85	White Pine	35	Log/Pole	10	75	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	5 - 10 feet	5 - 10 feet	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Paper Birch	5	Pole/Log	8	65																																																							
Red Maple	15	Pole/Log	8	65																																																							
Red Pine	5	Log/Pole	12	75																																																							
Balsam Fir	25	Pole	7	65																																																							
Quaking Aspen	10	Pole	9	65																																																							
Red Oak	5	Log/Pole	13	85																																																							
White Pine	35	Log/Pole	10	75																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Red Maple	Medium	5 - 10 feet	5 - 10 feet																																																								
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet																																																								
17	4134 - Aspen, Spruce/Fir	Sapling Well	20.4	4	Immature	N/A	Stand was harvested in 2022 (247 Creek & Coster). Young balsam and some oak were left.																																																				
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>Quaking Aspen</td> <td>68</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>Pole/Log/Sap</td> <td>8</td> <td>85</td> </tr> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	68	Sapling	1	4	Balsam Fir	20	Sapling	3		Red Maple	10	Sapling	1	4	Red Oak	2	Pole/Log/Sap	8	85																											
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Quaking Aspen	68	Sapling	1	4																																																							
Balsam Fir	20	Sapling	3																																																								
Red Maple	10	Sapling	1	4																																																							
Red Oak	2	Pole/Log/Sap	8	85																																																							
18	4136 - Aspen, Mixed Conifer	Sapling Well	12.6	14	Immature	N/A	Stand harvested in 2012																																																				
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td>56</td> </tr> <tr> <td>Quaking Aspen</td> <td>55</td> <td>Sapling</td> <td>2</td> <td>14</td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>25</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	10	Pole/Log	8	56	Quaking Aspen	55	Sapling	2	14	Balsam Fir	10	Sapling	3		Red Maple	25	Sapling	2																												
Canopy Species	% Cover	Size Class	DBH	Age																																																							
White Pine	10	Pole/Log	8	56																																																							
Quaking Aspen	55	Sapling	2	14																																																							
Balsam Fir	10	Sapling	3																																																								
Red Maple	25	Sapling	2																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
19	6229 - Mixed Lowland Shrub	None	5.8			No	Scattered aspen and conifer throughout edges. long term retention will surround this very wet stand.

20	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	98.2	65	81-110	N/A	
----	--	-----------------	------	----	--------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log/Pole/Sap	10	
Balsam Fir	10	Pole/Sapling	7	
Northern White Cedar	20	Pole	8	
Paper Birch	5	Pole	9	
Tamarack	5	Pole	7	
Red Maple	10	Pole/Log	8	
Quaking Aspen	35	Pole	8	65
Black Cherry	5	Pole	8	
Black Spruce	5	Pole	8	

22	4130 - Aspen	Sapling Well	37.7	7	Immature	N/A	Stand was harvested in 2019
----	--------------	--------------	------	---	----------	-----	-----------------------------

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	35	Sapling	2	7
Red Maple	20	Sapling	1	7
Balsam Fir	6	Sapling	3	
White Oak	2	Sapling	3	
Red Oak	2	Sapling	3	
White Pine	5	Log	10	
Bigtooth Aspen	30	Sapling	2	7

25	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	34.0	65	51-80	N/A	
----	--	-------------------	------	----	-------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	10	Pole	8	85
Northern White Cedar	20	Pole	7	85
Balsam Fir	20	Pole	6	65
Tamarack	15	Pole	7	85
White Pine	5	Pole/Log	8	65
Black Spruce	20	Pole/Sapling	5	65
Red Maple	5	Pole	7	65
Quaking Aspen	5	Pole	7	65

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Looks to wet to manage, timber is pretty scattered in much of it. thick around the edges. heavy deer use. OPIC - FMD: 12/22/2005 swamp at base of old river cut (Grieve)



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
28	4136 - Aspen, Mixed Conifer	Sapling Well	12.7	17	Immature	N/A	Stand cut with Coster road clearcuts 61-031-08-01																																																										
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>Red Maple</td> <td>35</td> <td>Sapling</td> <td>3</td> <td>17</td> </tr> <tr> <td>Quaking Aspen</td> <td>45</td> <td>Sapling</td> <td>3</td> <td>17</td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Sapling</td> <td>4</td> <td></td> </tr> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	35	Sapling	3	17	Quaking Aspen	45	Sapling	3	17	Balsam Fir	15	Sapling	3		White Pine	5	Sapling	4																																		
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Red Maple	35	Sapling	3	17																																																													
Quaking Aspen	45	Sapling	3	17																																																													
Balsam Fir	15	Sapling	3																																																														
White Pine	5	Sapling	4																																																														
29	4133 - Aspen, Mixed Pine	Poletimber Well	93.1	43	81-110	N/A	White pine condensed along drain at northwest edge of stand and scattered through out. red pine mainly north end as well, some thicker pockets.																																																										
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>Quaking Aspen</td> <td>45</td> <td>Pole</td> <td>8</td> <td>43</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </table> <table> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	45	Pole	8	43	Red Maple	15	Pole	7		Red Pine	10	Log/Pole	12		White Pine	20	Log/Pole	11		Balsam Fir	10	Pole/Sapling	6		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	5 - 10 feet	White Pine	Medium	5 - 10 feet	5 - 10 feet	Balsam Fir	High	5 - 10 feet	5 - 10 feet												
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Quaking Aspen	45	Pole	8	43																																																													
Red Maple	15	Pole	7																																																														
Red Pine	10	Log/Pole	12																																																														
White Pine	20	Log/Pole	11																																																														
Balsam Fir	10	Pole/Sapling	6																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Red Maple	Low	5 - 10 feet	5 - 10 feet																																																														
White Pine	Medium	5 - 10 feet	5 - 10 feet																																																														
Balsam Fir	High	5 - 10 feet	5 - 10 feet																																																														
30	500 - Water	None	3.3			No	Beaver pond																																																										
32	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	27.0	85	111-140	N/A	Drainage with some steep topography within in the stand.																																																										
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>Hemlock</td> <td>25</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>30</td> <td>Pole</td> <td>8</td> <td>85</td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>1</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Basswood</td> <td>1</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Yellow Birch</td> <td>1</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </table> <table> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Hemlock	25	Pole	9		Northern White Cedar	30	Pole	8	85	Balsam Fir	20	Pole	6		Red Maple	10	Pole/Log	8		Quaking Aspen	10	Pole/Log	9		Sugar Maple	1	Log/Pole	10		Basswood	1	Log/Pole	10		Yellow Birch	1	Log/Pole	10		Paper Birch	2	Pole/Log	8		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Hemlock	25	Pole	9																																																														
Northern White Cedar	30	Pole	8	85																																																													
Balsam Fir	20	Pole	6																																																														
Red Maple	10	Pole/Log	8																																																														
Quaking Aspen	10	Pole/Log	9																																																														
Sugar Maple	1	Log/Pole	10																																																														
Basswood	1	Log/Pole	10																																																														
Yellow Birch	1	Log/Pole	10																																																														
Paper Birch	2	Pole/Log	8																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet																																																														



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
33	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	21.8	3	Immature	N/A	Stand was harvested in 2024 (247 Creek & Coster). Eastern part of the stand had more of a pine component. The east side of the stand was more red maple and aspen. There is a few pockets of lowland, with cedar along the north line.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Paper Birch</td><td>5</td><td>Sapling</td><td>1</td><td>3</td></tr><tr><td>Red Maple</td><td>20</td><td>Sapling</td><td>1</td><td>3</td></tr><tr><td>Red Pine</td><td>5</td><td>Log/Pole</td><td>12</td><td>75</td></tr><tr><td>Balsam Fir</td><td>5</td><td>Sapling/Pole</td><td>3</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>30</td><td>Sapling</td><td>1</td><td>3</td></tr><tr><td>Red Oak</td><td>5</td><td>Log/Pole</td><td>13</td><td>85</td></tr><tr><td>White Pine</td><td>15</td><td>Log/Pole</td><td>10</td><td>75</td></tr><tr><td>Northern White Cedar</td><td>5</td><td>Pole</td><td>8</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5	Sapling	1	3	Red Maple	20	Sapling	1	3	Red Pine	5	Log/Pole	12	75	Balsam Fir	5	Sapling/Pole	3		Bigtooth Aspen	30	Sapling	1	3	Red Oak	5	Log/Pole	13	85	White Pine	15	Log/Pole	10	75	Northern White Cedar	5	Pole	8	
Canopy Species	% Cover	Size Class	DBH	Age																																																
Paper Birch	5	Sapling	1	3																																																
Red Maple	20	Sapling	1	3																																																
Red Pine	5	Log/Pole	12	75																																																
Balsam Fir	5	Sapling/Pole	3																																																	
Bigtooth Aspen	30	Sapling	1	3																																																
Red Oak	5	Log/Pole	13	85																																																
White Pine	15	Log/Pole	10	75																																																
Northern White Cedar	5	Pole	8																																																	
34	4136 - Aspen, Mixed Conifer	Sapling Well	18.1	4	Immature	N/A	Stand was harvested in 2022 (247 Creek & Coster). Scattered mature cedar, hemlock and white pine left.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>15</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Pole/Log</td><td>9</td><td>65</td></tr><tr><td>Quaking Aspen</td><td>50</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>Red Maple</td><td>20</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>Northern White Cedar</td><td>5</td><td>Pole</td><td>7</td><td>85</td></tr><tr><td>Hemlock</td><td>5</td><td>Pole</td><td>8</td><td>85</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	15	Sapling/Pole	4		White Pine	5	Pole/Log	9	65	Quaking Aspen	50	Sapling	1	4	Red Maple	20	Sapling	1	4	Northern White Cedar	5	Pole	7	85	Hemlock	5	Pole	8	85										
Canopy Species	% Cover	Size Class	DBH	Age																																																
Balsam Fir	15	Sapling/Pole	4																																																	
White Pine	5	Pole/Log	9	65																																																
Quaking Aspen	50	Sapling	1	4																																																
Red Maple	20	Sapling	1	4																																																
Northern White Cedar	5	Pole	7	85																																																
Hemlock	5	Pole	8	85																																																
35	4136 - Aspen, Mixed Conifer	Sapling Well	20.9	14	Immature	N/A	Stand harvested in 2012 under tsale contract 027-08-01. Stand fully regenerated. some cedar pockets and residual scattered pine remained.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>35</td><td>Sapling</td><td>3</td><td>14</td></tr><tr><td>Red Maple</td><td>30</td><td>Sapling</td><td>3</td><td>14</td></tr><tr><td>White Pine</td><td>10</td><td>Log</td><td>12</td><td></td></tr><tr><td>Balsam Fir</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Sapling</td><td>1</td><td>14</td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Sapling</td><td>3</td><td>14</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	35	Sapling	3	14	Red Maple	30	Sapling	3	14	White Pine	10	Log	12		Balsam Fir	10	Sapling	2		Black Cherry	5	Sapling	1	14	Bigtooth Aspen	10	Sapling	3	14										
Canopy Species	% Cover	Size Class	DBH	Age																																																
Quaking Aspen	35	Sapling	3	14																																																
Red Maple	30	Sapling	3	14																																																
White Pine	10	Log	12																																																	
Balsam Fir	10	Sapling	2																																																	
Black Cherry	5	Sapling	1	14																																																
Bigtooth Aspen	10	Sapling	3	14																																																
37	4133 - Aspen, Mixed Pine	Poletimber Well	43.6	47	81-110	N/A																																														
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>30</td><td>Pole/Log</td><td>8</td><td>47</td></tr><tr><td>Red Pine</td><td>5</td><td>Log/Pole</td><td>12</td><td></td></tr><tr><td>White Pine</td><td>25</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>Balsam Fir</td><td>10</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>15</td><td>Pole/Log</td><td>8</td><td></td></tr></table>							Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	30	Pole/Log	8	47	Red Pine	5	Log/Pole	12		White Pine	25	Pole/Log	9		Balsam Fir	10	Pole/Sapling	5		Red Maple	10	Pole/Sapling	5		Black Cherry	5	Pole/Sapling	5		Bigtooth Aspen	15	Pole/Log	8							
Canopy Species	% Cover	Size Class	DBH	Age																																																
Quaking Aspen	30	Pole/Log	8	47																																																
Red Pine	5	Log/Pole	12																																																	
White Pine	25	Pole/Log	9																																																	
Balsam Fir	10	Pole/Sapling	5																																																	
Red Maple	10	Pole/Sapling	5																																																	
Black Cherry	5	Pole/Sapling	5																																																	
Bigtooth Aspen	15	Pole/Log	8																																																	



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
38	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	12.2	14	Immature	N/A	Stand was Clearcut Coster Road Clearcuts 61-031-08-01.																																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>10</td><td>Sapling</td><td>2</td><td>14</td></tr><tr><td>Black Cherry</td><td>10</td><td>Sapling</td><td>3</td><td>14</td></tr><tr><td>Red Pine</td><td>80</td><td>Sapling</td><td>3</td><td>14</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Sapling	2	14	Black Cherry	10	Sapling	3	14	Red Pine	80	Sapling	3	14																				
Canopy Species	% Cover	Size Class	DBH	Age																																											
Red Maple	10	Sapling	2	14																																											
Black Cherry	10	Sapling	3	14																																											
Red Pine	80	Sapling	3	14																																											
43	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	59.1	3	Immature	N/A	2023- Stand was cut in 2023 (247 Creek and Coster). Scattered mature pine left over regenerating maple and aspen.																																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>10</td><td>Sapling/Pole</td><td>3</td><td></td></tr><tr><td>White Pine</td><td>15</td><td>Pole/Sap/Log</td><td>7</td><td></td></tr><tr><td>Quaking Aspen</td><td>35</td><td>Sapling</td><td>1</td><td>3</td></tr><tr><td>Red Oak</td><td>5</td><td>Log/Pole</td><td>12</td><td>85</td></tr><tr><td>Red Maple</td><td>25</td><td>Sapling</td><td>1</td><td>3</td></tr><tr><td>Red Pine</td><td>10</td><td>Log/Pole</td><td>10</td><td>85</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	10	Sapling/Pole	3		White Pine	15	Pole/Sap/Log	7		Quaking Aspen	35	Sapling	1	3	Red Oak	5	Log/Pole	12	85	Red Maple	25	Sapling	1	3	Red Pine	10	Log/Pole	10	85					
Canopy Species	% Cover	Size Class	DBH	Age																																											
Balsam Fir	10	Sapling/Pole	3																																												
White Pine	15	Pole/Sap/Log	7																																												
Quaking Aspen	35	Sapling	1	3																																											
Red Oak	5	Log/Pole	12	85																																											
Red Maple	25	Sapling	1	3																																											
Red Pine	10	Log/Pole	10	85																																											
44	4133 - Aspen, Mixed Pine	Sapling Well	31.9	17	Immature	N/A																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>5</td><td>Pole/Sap/Log</td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td>Sapling</td><td>2</td><td>17</td></tr><tr><td>Quaking Aspen</td><td>40</td><td>Sapling</td><td>3</td><td>17</td></tr><tr><td>Red Pine</td><td>10</td><td>Pole/Log</td><td>8</td><td></td></tr><tr><td>White Pine</td><td>10</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>White Oak</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Sapling</td><td>3</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	5	Pole/Sap/Log	8		Red Maple	20	Sapling	2	17	Quaking Aspen	40	Sapling	3	17	Red Pine	10	Pole/Log	8		White Pine	10	Pole/Log	9		White Oak	5	Sapling	2		Bigtooth Aspen	10	Sapling	3	
Canopy Species	% Cover	Size Class	DBH	Age																																											
Red Oak	5	Pole/Sap/Log	8																																												
Red Maple	20	Sapling	2	17																																											
Quaking Aspen	40	Sapling	3	17																																											
Red Pine	10	Pole/Log	8																																												
White Pine	10	Pole/Log	9																																												
White Oak	5	Sapling	2																																												
Bigtooth Aspen	10	Sapling	3																																												
45	42110 - Planted Red Pine	Poletimber Well	11.3	76	111-140	N/A	Stand was thinned in 2019 stands thinned in 2010 and 2011... doing good, could lightly thin again. will likely let stands convert to other species over time due to small stand size. Stand was harvested in 2010/2011 under tsale contract 0300801. Sale closed 5/11/11																																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>90</td><td>Pole/Log</td><td>9</td><td>76</td><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>5</td><td>Pole</td><td>9</td><td>76</td><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Quaking Aspen</td><td>5</td><td>Pole</td><td>9</td><td>60</td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	90	Pole/Log	9	76	Balsam Fir	Low	5 - 10 feet	5 - 10 feet	Red Maple	5	Pole	9	76	Red Maple	Low	5 - 10 feet	5 - 10 feet	Quaking Aspen	5	Pole	9	60								
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																							
Red Pine	90	Pole/Log	9	76	Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																							
Red Maple	5	Pole	9	76	Red Maple	Low	5 - 10 feet	5 - 10 feet																																							
Quaking Aspen	5	Pole	9	60																																											
46	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	10.3	90	51-80	N/A																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Tamarack</td><td>5</td><td>Pole/Log</td><td>8</td><td></td></tr><tr><td>Black Spruce</td><td>20</td><td>Pole</td><td>7</td><td></td></tr><tr><td>Northern White Cedar</td><td>35</td><td>Pole</td><td>7</td><td>90</td></tr><tr><td>White Pine</td><td>25</td><td>Log/Pole</td><td>11</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Quaking Aspen</td><td>10</td><td>Pole</td><td>8</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Tamarack	5	Pole/Log	8		Black Spruce	20	Pole	7		Northern White Cedar	35	Pole	7	90	White Pine	25	Log/Pole	11		Red Maple	5	Pole	8		Quaking Aspen	10	Pole	8						
Canopy Species	% Cover	Size Class	DBH	Age																																											
Tamarack	5	Pole/Log	8																																												
Black Spruce	20	Pole	7																																												
Northern White Cedar	35	Pole	7	90																																											
White Pine	25	Log/Pole	11																																												
Red Maple	5	Pole	8																																												
Quaking Aspen	10	Pole	8																																												



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
47	623 - Emergent Wetland	None	36.6			No	Low land brush, some old beaver evidence.			
48	4311 - Pine, Aspen Mix	Poletimber Medium	5.7	55	1-50	N/A	This area was taken out of the surrounding timber sale there are steeper sloped that go down to ponds 2012 under tsale contract 027-08-01			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		55	Pole/Sapling	7	55	White Pine		Low	5 - 10 feet	5 - 10 feet
White Pine		45	Pole/Sap/Log	8						
49	122 - Road/Parking Lot	None	9.9			No	County Road			
56	500 - Water	None	49.4			No	Manistee River			
61	623 - Emergent Wetland	None	1.4			No	Marsh			
63	42110 - Planted Red Pine	Poletimber Well	17.7	76	111-140	N/A	Stand was thinned in 2019 Stand was harvested in 2010/2011 under tsale contract 0300801. Sale closed 5/11/11			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Pine		100	Pole/Log	9	76					
65	3102 - Grass	None	0.4			No				
66	6239 - Mixed Emergent Wetland	None	1.9			No	Low land brush, pot hole.			
67	4139 - Aspen, Mixed Deciduous	Sapling Well	54.3	15	Immature	N/A	Stand harvested in 2011/2012 under tsale contract 028-08-01-(2/7/12 P.C.)			
Canopy Species		% Cover	Size Class	DBH	Age					
Quaking Aspen		35	Sapling	4	15					
Red Maple		35	Sapling	3						
Balsam Fir		10	Sapling	3						
White Pine		5	Sapling	3						
Bigtooth Aspen		15	Sapling	4	15					
68	42110 - Planted Red Pine	Poletimber Well	21.2	59	111-140	N/A	Stand was thinned in 2019Stand was harvested in 2010/2011 under tsale contract 0300801. Sale closed 5/11/11-PC. 11/29/2005 Old Consumers Energy land			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		90	Pole/Log	9	59	Balsam Fir		Medium	5 - 10 feet	5 - 10 feet
Red Maple		5	Pole/Log	9	59	Red Maple		Low	5 - 10 feet	5 - 10 feet
Black Cherry		5	Pole	8	59					





MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
78	42110 - Planted Red Pine	Poletimber Well	53.2	59	111-140	N/A	lightly thin again this YOE, very nice red pine for the most part.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>100</td><td>Pole/Log</td><td>9</td><td>59</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100	Pole/Log	9	59	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet	White Pine	Medium	5 - 10 feet	5 - 10 feet	OPIC - FMD: 11/29/2005 Old Consumers Energy plantation. Has been thinned once. Take about a 1/3 of the trees. Marked job. (Grieve) Stand thinned under 61-029-08-01. Looks good KJS																														
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Pine	100	Pole/Log	9	59																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Low	5 - 10 feet	5 - 10 feet																																																											
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet																																																											
White Pine	Medium	5 - 10 feet	5 - 10 feet																																																											
79	4136 - Aspen, Mixed Conifer	Poletimber Well	211.1	45	81-110	N/A	Highly variable stand with some drainages throughout as well as wet swamp conifer inclusions.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>45</td><td>Pole</td><td>7</td><td>45</td></tr><tr><td>Red Maple</td><td>15</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Balsam Fir</td><td>10</td><td>Pole</td><td>5</td><td></td></tr><tr><td>Northern White Cedar</td><td>5</td><td>Pole</td><td>7</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Pole/Log</td><td>8</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>20</td><td>Pole</td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	45	Pole	7	45	Red Maple	15	Pole	6		Balsam Fir	10	Pole	5		Northern White Cedar	5	Pole	7		White Pine	5	Pole/Log	8		Bigtooth Aspen	20	Pole	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Alder</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	5 - 10 feet	Alder	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet	White Pine	Low	5 - 10 feet	5 - 10 feet		
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Quaking Aspen	45	Pole	7	45																																																										
Red Maple	15	Pole	6																																																											
Balsam Fir	10	Pole	5																																																											
Northern White Cedar	5	Pole	7																																																											
White Pine	5	Pole/Log	8																																																											
Bigtooth Aspen	20	Pole	8																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Low	5 - 10 feet	5 - 10 feet																																																											
Alder	Low	5 - 10 feet	5 - 10 feet																																																											
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet																																																											
White Pine	Low	5 - 10 feet	5 - 10 feet																																																											
81	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	28.8	89	111-140	N/A																																																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>25</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>Red Maple</td><td>55</td><td>Log/Pole</td><td>10</td><td>89</td></tr><tr><td>Northern White Cedar</td><td>15</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Hemlock</td><td>5</td><td>Pole</td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	25	Pole/Log	9		Red Maple	55	Log/Pole	10	89	Northern White Cedar	15	Pole	8		Hemlock	5	Pole	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	Low	5 - 10 feet	5 - 10 feet																				
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Quaking Aspen	25	Pole/Log	9																																																											
Red Maple	55	Log/Pole	10	89																																																										
Northern White Cedar	15	Pole	8																																																											
Hemlock	5	Pole	8																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Low	5 - 10 feet	5 - 10 feet																																																											
Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																																											
83	4136 - Aspen, Mixed Conifer	Sapling Well	10.7	17	Immature	N/A																																																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>35</td><td>Sapling</td><td>3</td><td>17</td></tr><tr><td>Red Maple</td><td>15</td><td>Sapling</td><td>2</td><td>17</td></tr><tr><td>Balsam Fir</td><td>10</td><td>Sapling</td><td>4</td><td></td></tr><tr><td>White Pine</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>30</td><td>Sapling</td><td>3</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	35	Sapling	3	17	Red Maple	15	Sapling	2	17	Balsam Fir	10	Sapling	4		White Pine	10	Sapling	2		Bigtooth Aspen	30	Sapling	3																															
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Quaking Aspen	35	Sapling	3	17																																																										
Red Maple	15	Sapling	2	17																																																										
Balsam Fir	10	Sapling	4																																																											
White Pine	10	Sapling	2																																																											
Bigtooth Aspen	30	Sapling	3																																																											
86	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	39.1	89	81-110	N/A	bed and banky stream down center of stand, doesn't look like any is maneagable due to proximity to creek. nice deer yarding area. OPIC - FMD: 12/13/2005 There is a creek through this stand. Some times it has very high banks, other times not so much. Some big white pine, with sometimes pure small blocks of hemlock. Should never be treated because of the water. (Grieve)																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>20</td><td>Pole/Log</td><td>9</td><td>89</td></tr><tr><td>Northern White Cedar</td><td>10</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Black Spruce</td><td>10</td><td>Pole/Sapling</td><td>7</td><td></td></tr><tr><td>Hemlock</td><td>15</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Balsam Fir</td><td>10</td><td>Pole</td><td>8</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	White Pine	20	Pole/Log	9	89	Northern White Cedar	10	Pole	8		Red Maple	10	Pole	8		Black Spruce	10	Pole/Sapling	7		Hemlock	15	Pole	8		Balsam Fir	10	Pole	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	5 - 10 feet	5 - 10 feet	Red Maple	Low	5 - 10 feet	5 - 10 feet										
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Pine	20	Pole/Log	9	89																																																										
Northern White Cedar	10	Pole	8																																																											
Red Maple	10	Pole	8																																																											
Black Spruce	10	Pole/Sapling	7																																																											
Hemlock	15	Pole	8																																																											
Balsam Fir	10	Pole	8																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																																											
Red Maple	Low	5 - 10 feet	5 - 10 feet																																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																										
90	6112 - Lowland Aspen	Poletimber Medium	13.4	74	81-110	N/A																																																																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Quaking Aspen</td><td>50</td><td>Pole/Log</td><td>9</td><td>74</td><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>10</td><td>Log/Pole</td><td>12</td><td></td><td>Tag Alder</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>15</td><td>Pole</td><td>8</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Balsam Fir</td><td>15</td><td>Pole</td><td>6</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Northern White Cedar</td><td>5</td><td>Pole</td><td>6</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Hemlock</td><td>5</td><td>Pole/Log</td><td>8</td><td></td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	50	Pole/Log	9	74	Balsam Fir	Low	5 - 10 feet	5 - 10 feet	White Pine	10	Log/Pole	12		Tag Alder	Low	5 - 10 feet	5 - 10 feet	Red Maple	15	Pole	8						Balsam Fir	15	Pole	6						Northern White Cedar	5	Pole	6						Hemlock	5	Pole/Log	8																																
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																																																									
Quaking Aspen	50	Pole/Log	9	74	Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																																																																									
White Pine	10	Log/Pole	12		Tag Alder	Low	5 - 10 feet	5 - 10 feet																																																																																									
Red Maple	15	Pole	8																																																																																														
Balsam Fir	15	Pole	6																																																																																														
Northern White Cedar	5	Pole	6																																																																																														
Hemlock	5	Pole/Log	8																																																																																														
92	4130 - Aspen	Sapling Well	6.5	15	Immature	N/A	Stand harvested in 2011/2012 under t-sale contract 028-08-01																																																																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Balsam Fir</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Red Maple</td><td>25</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Quaking Aspen</td><td>45</td><td>Sapling</td><td>3</td><td>15</td></tr><tr><td>Bigtooth Aspen</td><td>20</td><td>Sapling</td><td>3</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	10	Sapling	1		Red Maple	25	Sapling	2		Quaking Aspen	45	Sapling	3	15	Bigtooth Aspen	20	Sapling	3																																																																		
Canopy Species	% Cover	Size Class	DBH	Age																																																																																													
Balsam Fir	10	Sapling	1																																																																																														
Red Maple	25	Sapling	2																																																																																														
Quaking Aspen	45	Sapling	3	15																																																																																													
Bigtooth Aspen	20	Sapling	3																																																																																														
93	622 - Lowland Shrub	None	22.7			No																																																																																											
94	6112 - Lowland Aspen	Poletimber Well	21.3	61	81-110	N/A																																																																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>10</td><td>Pole</td><td>6</td><td></td><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Northern White Cedar</td><td>10</td><td>Pole</td><td>7</td><td></td><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>25</td><td>Pole</td><td>8</td><td>61</td><td></td><td></td><td></td><td></td></tr><tr><td>Quaking Aspen</td><td>55</td><td>Pole</td><td>8</td><td>61</td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	10	Pole	6		Tag Alder	Medium	5 - 10 feet	5 - 10 feet	Northern White Cedar	10	Pole	7		Balsam Fir	Low	5 - 10 feet	5 - 10 feet	Red Maple	25	Pole	8	61					Quaking Aspen	55	Pole	8	61																																																	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																																																									
Balsam Fir	10	Pole	6		Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																																																																									
Northern White Cedar	10	Pole	7		Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																																																																									
Red Maple	25	Pole	8	61																																																																																													
Quaking Aspen	55	Pole	8	61																																																																																													
96	6112 - Lowland Aspen	Poletimber Well	27.2	56	81-110	N/A																																																																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>5</td><td>Pole/Sapling</td><td>7</td><td></td><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>20</td><td>Pole</td><td>8</td><td>56</td><td>Alder</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Quaking Aspen</td><td>50</td><td>Pole/Log</td><td>8</td><td>56</td><td>Red Maple</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Oak</td><td>2</td><td>Log/Pole</td><td>10</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>White Oak</td><td>2</td><td>Pole/Log/Sap</td><td>8</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>White Pine</td><td>2</td><td>Log/Pole</td><td>14</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Yellow Birch</td><td>2</td><td>Log</td><td>10</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Sugar Maple</td><td>2</td><td>Log/Pole</td><td>12</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Bigtooth Aspen</td><td>15</td><td>Log/Pole</td><td>10</td><td></td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	5	Pole/Sapling	7		Balsam Fir	Low	5 - 10 feet	5 - 10 feet	Red Maple	20	Pole	8	56	Alder	Low	5 - 10 feet	5 - 10 feet	Quaking Aspen	50	Pole/Log	8	56	Red Maple	High	5 - 10 feet	5 - 10 feet	Red Oak	2	Log/Pole	10						White Oak	2	Pole/Log/Sap	8						White Pine	2	Log/Pole	14						Yellow Birch	2	Log	10						Sugar Maple	2	Log/Pole	12						Bigtooth Aspen	15	Log/Pole	10					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																																																									
Balsam Fir	5	Pole/Sapling	7		Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																																																																									
Red Maple	20	Pole	8	56	Alder	Low	5 - 10 feet	5 - 10 feet																																																																																									
Quaking Aspen	50	Pole/Log	8	56	Red Maple	High	5 - 10 feet	5 - 10 feet																																																																																									
Red Oak	2	Log/Pole	10																																																																																														
White Oak	2	Pole/Log/Sap	8																																																																																														
White Pine	2	Log/Pole	14																																																																																														
Yellow Birch	2	Log	10																																																																																														
Sugar Maple	2	Log/Pole	12																																																																																														
Bigtooth Aspen	15	Log/Pole	10																																																																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
97	42110 - Planted Red Pine	Poletimber Well	32.1	59	111-140	N/A	Thinned in 2019		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Pole	9		Red Maple	Low	5 - 10 feet	5 - 10 feet
Red Pine		95	Pole/Log	9	59	Balsam Fir	Low	5 - 10 feet	5 - 10 feet
						White Pine	Medium	5 - 10 feet	5 - 10 feet
						White Oak	Medium	5 - 10 feet	5 - 10 feet
99	6224 - Treed Bog	None	17.1				No		
101	623 - Emergent Wetland	None	0.9				No		
107	429 - Mixed Upland Conifers	Sawtimber Well	16.3	83	141-170	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole	9		Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Hemlock		15	Pole/Log	8		Red Maple	Low	5 - 10 feet	5 - 10 feet
Balsam Fir		15	Pole/Sapling	7					
Quaking Aspen		15	Pole	8					
White Pine		45	Log/Pole	10	83				
108	6239 - Mixed Emergent Wetland	None	1.2				No		
110	110 - Low Intensity Urban	None	1.5				No	County Road & parking lot to Rainbow Jim's Public Access Site.	
111	4136 - Aspen, Mixed Conifer	Sawtimber Well	5.4	72	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		30	Log/Pole	12	85	Red Maple	Medium	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		40	Log/Pole	12	72	Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Balsam Fir		15	Pole	8					
Northern White Cedar		5	Pole	8					
Sugar Maple		5	Log	12					
Red Oak		2	Log	10					
White Pine		3	Log/Pole	12					



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
112	4130 - Aspen	Sapling Well	30.3	18	Immature	N/A	Cut with sale out of manton office. excellent mixed regen.																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Balsam Fir</td><td>10</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Red Maple</td><td>15</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Quaking Aspen</td><td>70</td><td>Sapling</td><td>3</td><td>18</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	5	Sapling	2		Balsam Fir	10	Sapling	2		Red Maple	15	Sapling	2		Quaking Aspen	70	Sapling	3	18											
Canopy Species	% Cover	Size Class	DBH	Age																																							
White Pine	5	Sapling	2																																								
Balsam Fir	10	Sapling	2																																								
Red Maple	15	Sapling	2																																								
Quaking Aspen	70	Sapling	3	18																																							
113	42110 - Planted Red Pine	Poletimber Well	12.4	59	141-170	N/A																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>100</td><td>Pole/Log</td><td>9</td><td>59</td><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>Red Maple</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	100	Pole/Log	9	59	White Pine	Low	5 - 10 feet	5 - 10 feet						Balsam Fir	Low	5 - 10 feet	5 - 10 feet						Red Maple	Medium	5 - 10 feet	5 - 10 feet
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																			
Red Pine	100	Pole/Log	9	59	White Pine	Low	5 - 10 feet	5 - 10 feet																																			
					Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																			
					Red Maple	Medium	5 - 10 feet	5 - 10 feet																																			
115	4130 - Aspen	Sapling Medium	5.9	8	Immature	N/A	Stand was harvested in 2019																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>25</td><td>Sapling</td><td>1</td><td>8</td></tr><tr><td>Quaking Aspen</td><td>75</td><td>Sapling</td><td>1</td><td>8</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	25	Sapling	1	8	Quaking Aspen	75	Sapling	1	8																					
Canopy Species	% Cover	Size Class	DBH	Age																																							
Red Maple	25	Sapling	1	8																																							
Quaking Aspen	75	Sapling	1	8																																							
116	6224 - Treed Bog	None	1.0			No																																					
119	4130 - Aspen	Poletimber Well	86.9	38	81-110	N/A																																					
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>25</td><td>Pole</td><td>6</td><td>38</td></tr><tr><td>Balsam Fir</td><td>10</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td>Pole</td><td>6</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Pole/Sapling</td><td>7</td><td>55</td></tr><tr><td>Bigtooth Aspen</td><td>40</td><td>Pole</td><td>8</td><td>38</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	25	Pole	6	38	Balsam Fir	10	Pole	6		Red Maple	20	Pole	6		White Pine	5	Pole/Sapling	7	55	Bigtooth Aspen	40	Pole	8	38						
Canopy Species	% Cover	Size Class	DBH	Age																																							
Quaking Aspen	25	Pole	6	38																																							
Balsam Fir	10	Pole	6																																								
Red Maple	20	Pole	6																																								
White Pine	5	Pole/Sapling	7	55																																							
Bigtooth Aspen	40	Pole	8	38																																							
121	42110 - Planted Red Pine	Sawtimber Well	46.5	59	111-140	N/A	ready for another thin. has seen some storm damage. pretty tall and skinny so may be best to final harvest and restart back to red pine... see what the																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>100</td><td>Log/Pole</td><td>10</td><td>59</td><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>Beech</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	100	Log/Pole	10	59	Red Maple	Low	5 - 10 feet	5 - 10 feet						Beech	Medium	5 - 10 feet	5 - 10 feet									
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size																																		
Red Pine	100	Log/Pole	10	59	Red Maple	Low	5 - 10 feet	5 - 10 feet																																			
					Beech	Medium	5 - 10 feet	5 - 10 feet																																			
127	622 - Lowland Shrub	None	0.6			No																																					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
415	3102 - Grass	None	1.5			No	Old well site.
417	3102 - Grass	None	0.3			No	old portion of a well pad. Happened before the State took ownership
418	3301 - Low Density Deciduous Trees	None	4.9			No	