



Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61169

Entry Year 2028

Acreage: 2,353

County: Kalkaska

Management Area: Kalkaska Sandy Moraines

Stand Examiner: Steve Crigier

Legal Description:

T27N, R06W, Sec. 6,7; T27N, R07W, Sec. 1,12; T28N, R06W, Sec. 30,31;
T28N, R07W, Sec. 25,26

Identified Planning Goals:

Each cover type in the Kalkaska Sandy Moraines management area has a unique age class and basal area class goals that describe the long term desired future conditions. The harvests prescribed in this current Year of Entry for compartment 61169 are necessary to begin achieving those long-term goals that are summarized in the State Forest Management Plan. These harvests will help establish a desirable amount of regeneration for the even-aged cover types over the 10-year period or help to achieve desired basal area distribution among un-even aged cover types like northern hardwoods and natural white pine. The principle goal of forest management in this area is to conserve or enhance the biological diversity.

Soil and topography:

Ranges from Rifle Peat to Emmet Sands. Topography ranges from low wet to gentle rolling hills.

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

To the West and North is State Land and to the South and East is private property. Forestry, oil and gas and recreation are the primary uses of the land in this area.

Unique Natural Features:

Red Shouldered Hawk and Northern Goshawk have been sighted in this compartment. There is also an Osprey nest to the west of the compartment and potential for Little Brown Bat in the area. Wheeler Lake, Little Wheeler Lake, The Headwaters of the Boardman River, the North Branch of the Boardman River and the Mayham Swamp are all located in the compartment.

Archeological, Historical, and Cultural Features:

None listed.

Special Management Designations or Considerations:

The Headwaters of the Boardman are a part of the Natural Rivers and is a Type 1 Trout Stream.

Watershed and Fisheries Considerations:

The Rapid River, the North Branch of the Boardman River, and Wheeler Lake, can be found within this compartment. Reasonable buffers (as outlined in Water Quality Management Practices on Forest Land) should be adhered to around all streams in this compartment. These stream are all naturally reproducing, are Type 1 designated trout streams; existing buffers appear to be appropriate for the proposed treatments.

Wildlife Habitat Considerations:

A large wetland complex can be found running up through the middle of compartment 169. Of which approximately half falls on State Forest ownership. Well over half of this state owned lowland is a lowland coniferous forest. This makes this area important for wintering deer. These deer yards extend well beyond state ownership. Management of these yarding areas should be to ensure winter thermal cover through the perpetuation of mature lowland conifers, chiefly northern white cedar. Other wetland communities found here include several large expanses of lowland brush and open water and minor acreage of lowland hardwoods.

The western edge of the compartment is underlain by excessively drained sandy soils, most of which is covered with a matrix of aspen and upland brush communities. Several pine and hardwood stands are also found here. Aspen has a strong presence here and is managed to provide a variety of age classes. Retention of mast/bud producing trees/shrubs, creation of downed logs during harvest operations, leaving tops un-chipped, and protection of fruiting shrubs are excellent ways to increase wildlife use of regenerating aspen. Several cuts are planned to regenerate aspen needed by many wildlife species, including snowshoe hare, ruffed grouse, deer, woodcock, chestnut-sided warblers, and tiger salamanders. The flush of regenerating aspen will benefit many early successional dependant wildlife species.

Along the north and eastern edges of this compartment are several large stands of northern hardwoods underlain by well drained sandy loam. Wildlife considerations for northern hardwood stands involve maintaining tree species diversity, the protection of den/nesting trees & snags, protection and/or creation of coarse woody debris (CWD), and maintaining a scattering of any mast-producing trees/shrubs. This will insure use by many species of wildlife. Examples of species found include downy woodpecker, porcupine, northern goshawk, spotted salamander, wild turkey, and white-tailed deer. Many species of raptors may nest in hardwoods such as these and any timber work contracts should include clauses for protecting nesting raptors.

Wildlife opening maintenance has been prescribed for several stands in compartment 169. Scheduled treatments include prescribed burning of several stands, selective hand felling of encroachment, and various herbaceous plantings. Deer, turkey, badgers, hog-nosed snakes, and blue birds some of the many species that will benefit from these openings.

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. The closest known active sand/gravel pit is more than three miles west, and potential for development of aggregate resources within the compartment appears to be limited. The compartment is within the Silurian reef hydrocarbon play, and significant exploration and development have occurred in the compartment, with some producing wells still in the north end. There still may be some potential for additional future drilling within the compartment, and some State-owned oil & gas rights within the compartment are currently under lease. Depleted reef reservoirs in the area have the potential for future underground gas storage or sequestration operations. Portions of the Cold Springs 31, Excelsior 6, and East Kalkaska 1 gas storage fields occur within the compartment currently. The State does not own all the 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:

Access in and around the compartment is on gravel and poor dirt roads.

Survey Needs:

Recreational Facilities and Opportunities:

The Leetsville to Kalkaska Michigan Cross Country Cycle (MCCCT) ORV trail, the Leetsville 50 inch ORV trail, and non-motorized Shore to Shore equestrian/hiking trail are located within this compartment. Trail protection specifications should be considered if forest treatments impact these trails. (T.N. 1/28/16)

Fire Protection:

Fire Protection is provided by Michigan DNR, Cold Springs Township Fire Department, Excelsior Township Fire Department and Rapid River Township Fire Department.

Additional Compartment Information:

The following reports from the Inventory are attached:

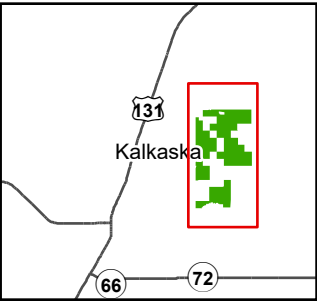
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

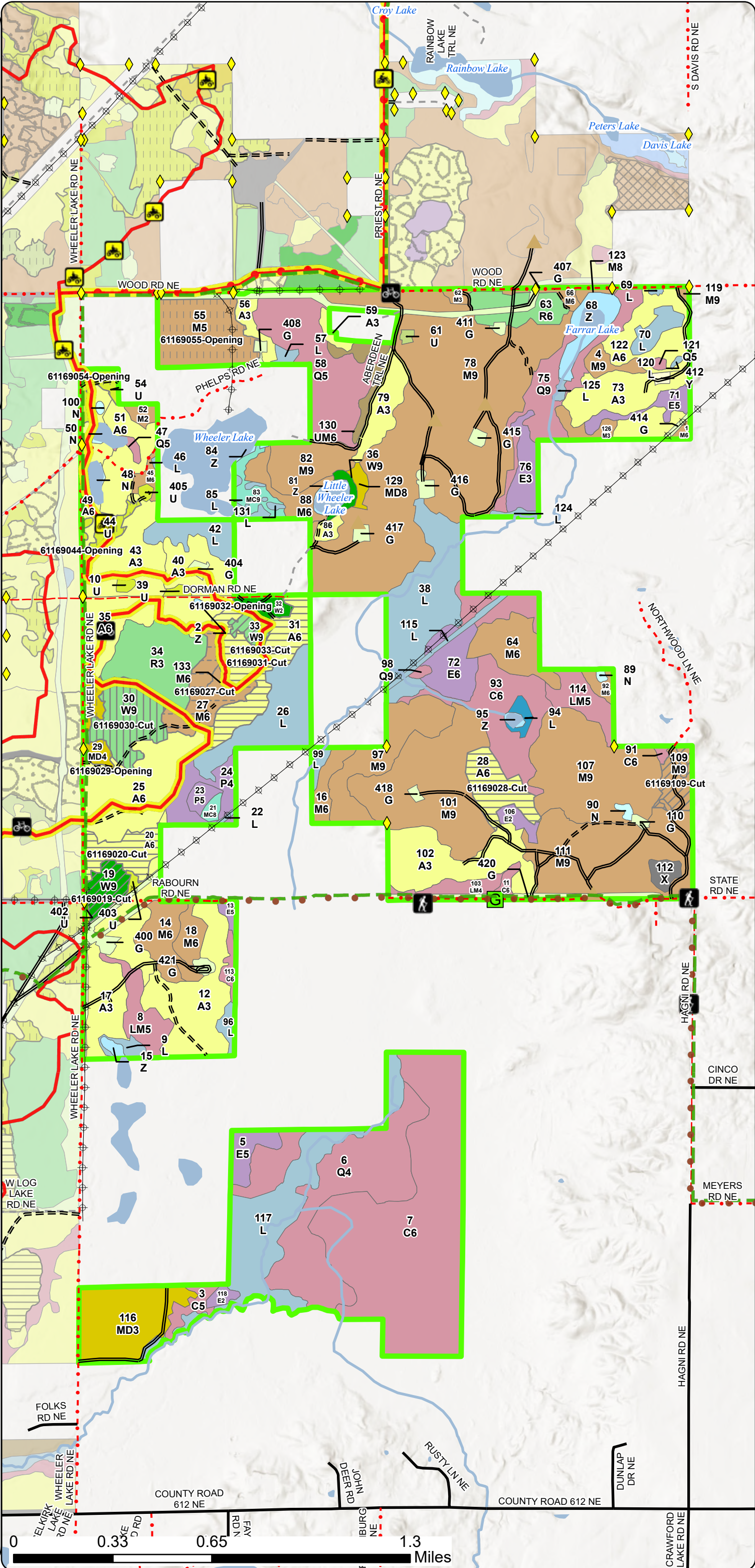
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Field Map

Compartment: 61169
T27N R06W Sec. 6,7 T27NR07W Sec. 1,12
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 2,352.52 GIS Calculated
Examiner: Steve Crigier
Date Exported: 06/25/2026
Map Phase: Web Post

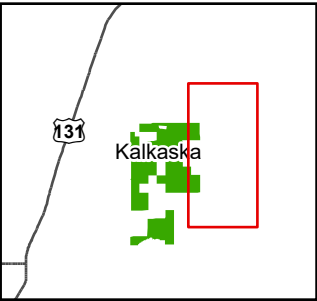


- Survey Grade Corners
- Berm
- Gate
- Designated Hiking Pathway
- Designated Equestrian Trails
- Designated MCCCT Trails
- Designated ATV Trails
- Designated Motorcycle Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- Clearcut
- Shelterwood
- Thinning
- Overstory Removal
- Openings Mgmt.
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested Wetland
- 710 - Sand, Soil

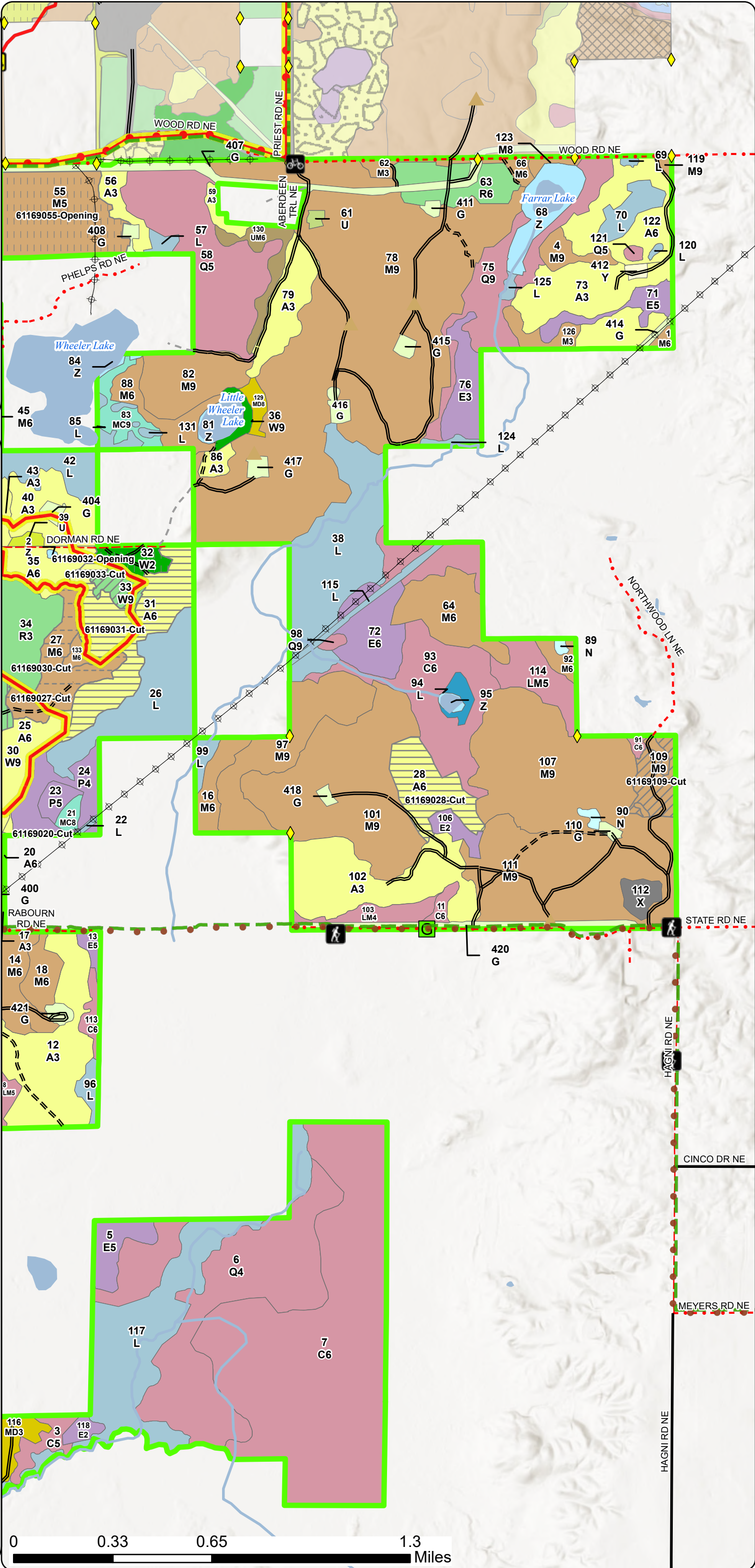


Field Map

Compartment: 61169
T27N R06W Sec. 6,7 T27NR07W Sec.
1,12
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 2,352.52 GIS Calculated
Examiner: Steve Crigier
Date Exported: 06/25/2026
Map Phase: Web Post

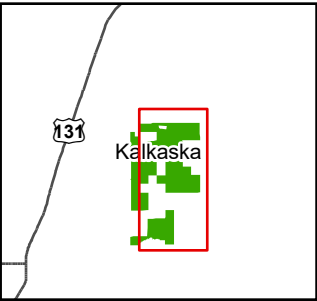


- Survey Grade Corners
- Berm
- Gate
- Designated Hiking Pathway
- Designated Equestrian Trails
- Designated MCCCT Trails
- Designated ATV Trails
- Designated Motorcycle Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- Clearcut
- Shelterwood
- Thinning
- Overstory Removal
- Openings Mgmt.
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested Wetland
- 710 - Sand, Soil

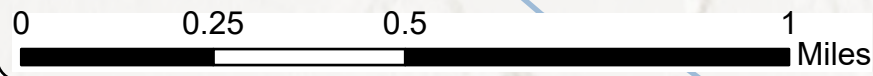
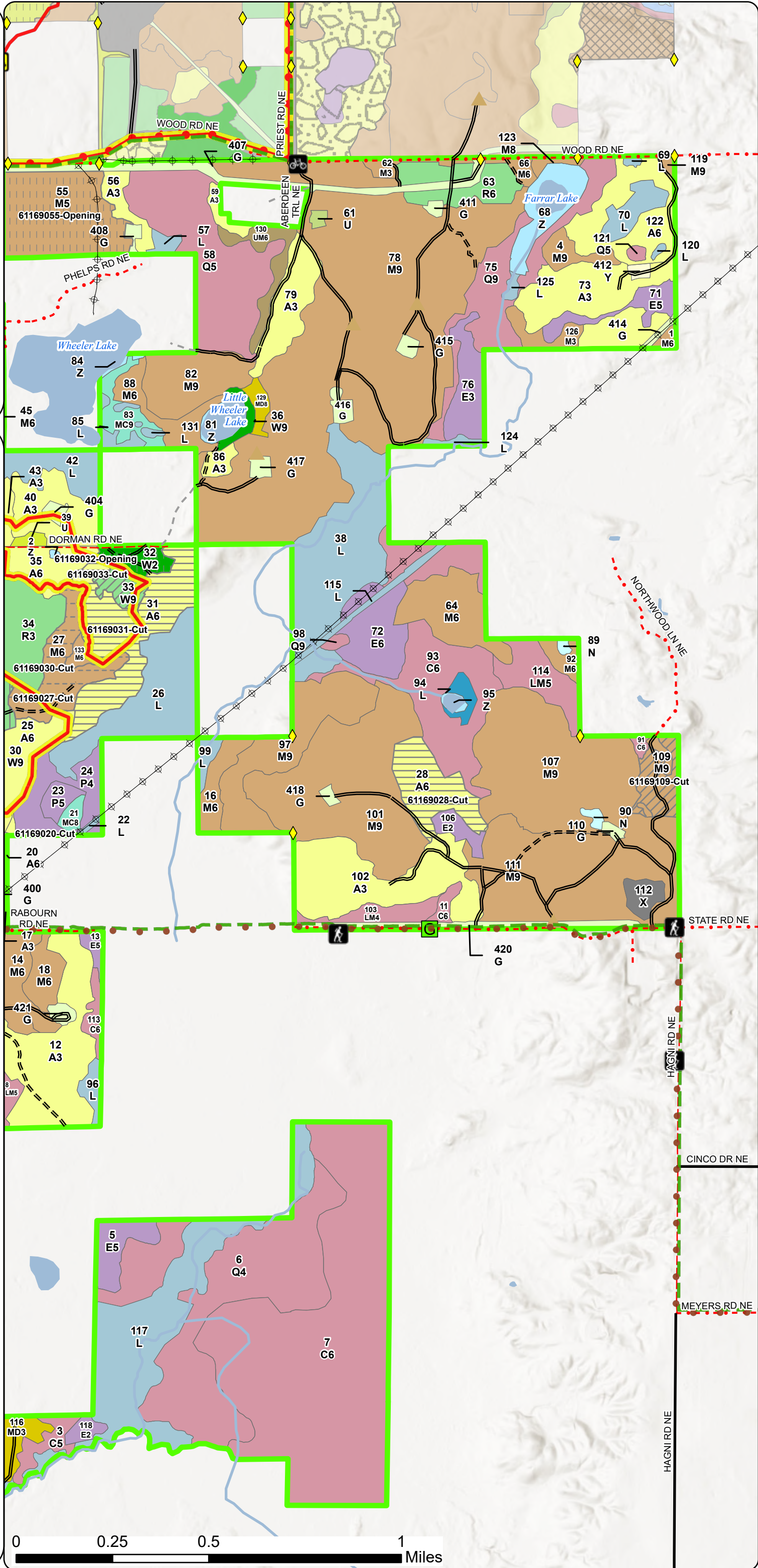


Cover Type & Treatments Map

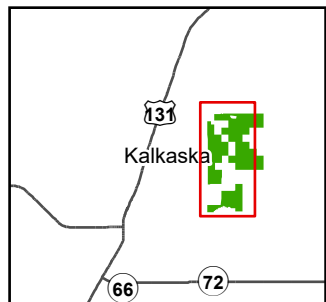
Compartment: 61169
T27N R06W Sec. 6,7 T27NR07W Sec. 1,12
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 2,352.52 GIS Calculated
Examiner: Steve Crigier
Date Exported: 06/25/2026
Map Phase: Web Post



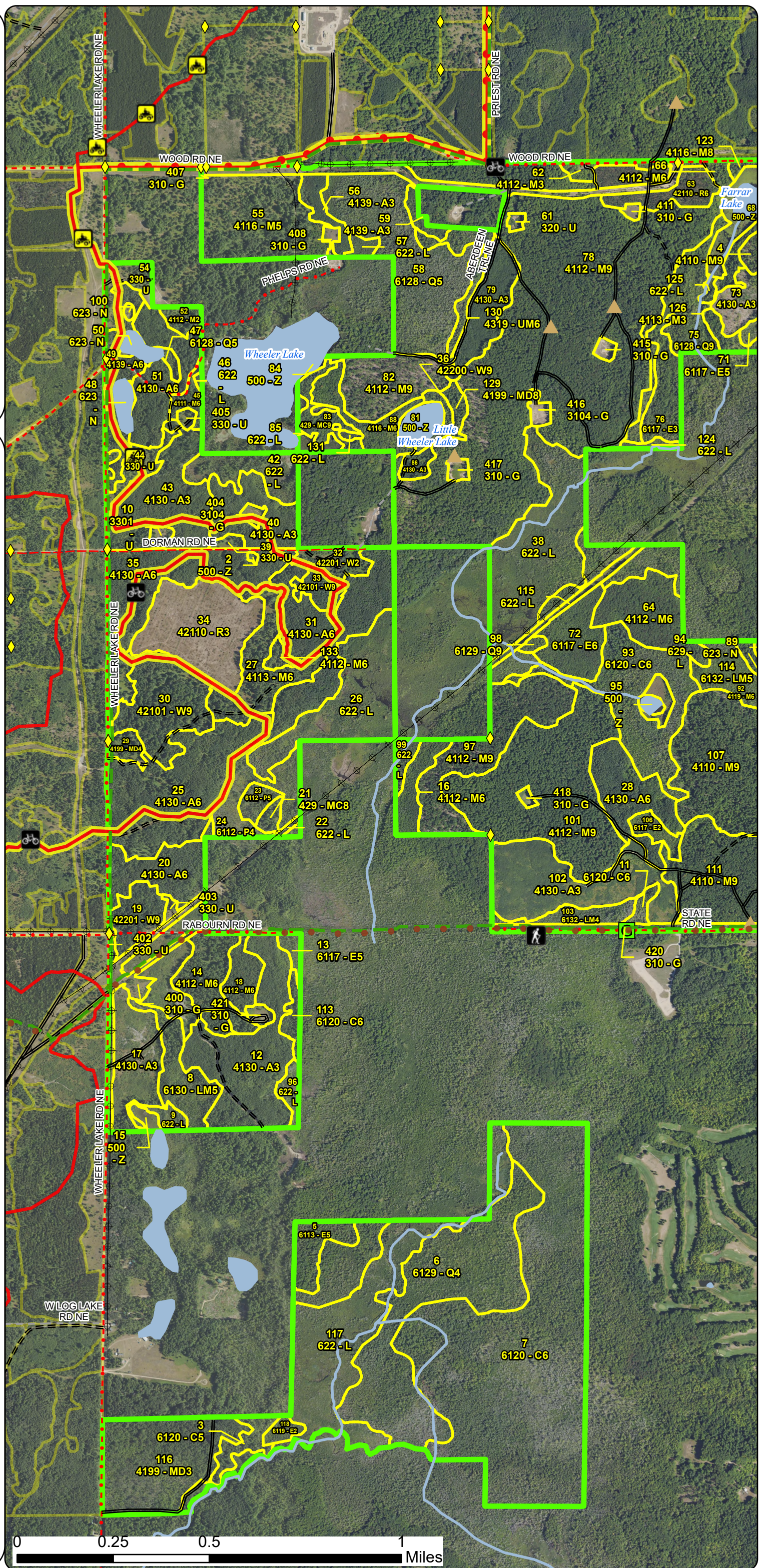
- Survey Grade Corners
- Berm
- Gate
- Designated Hiking Pathway
- Designated Equestrian Trails
- Designated MCCCT Trails
- Designated ATV Trails
- Designated Motorcycle Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- Clearcut
- Shelterwood
- Thinning
- Overstory Removal
- Openings Mgmt.
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested Wetland
- 710 - Sand, Soil



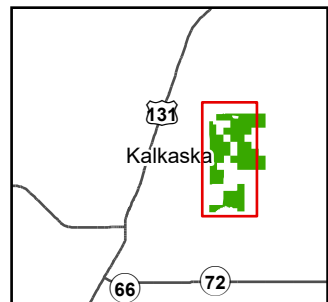
Compartment: 61169
T27N R06W Sec. 6,7 T27NR07W Sec.
1,12
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 2,352.52 GIS Calculated
Examiner: Steve Crigier
Date Exported: 06/25/2026
Map Phase: Web Post



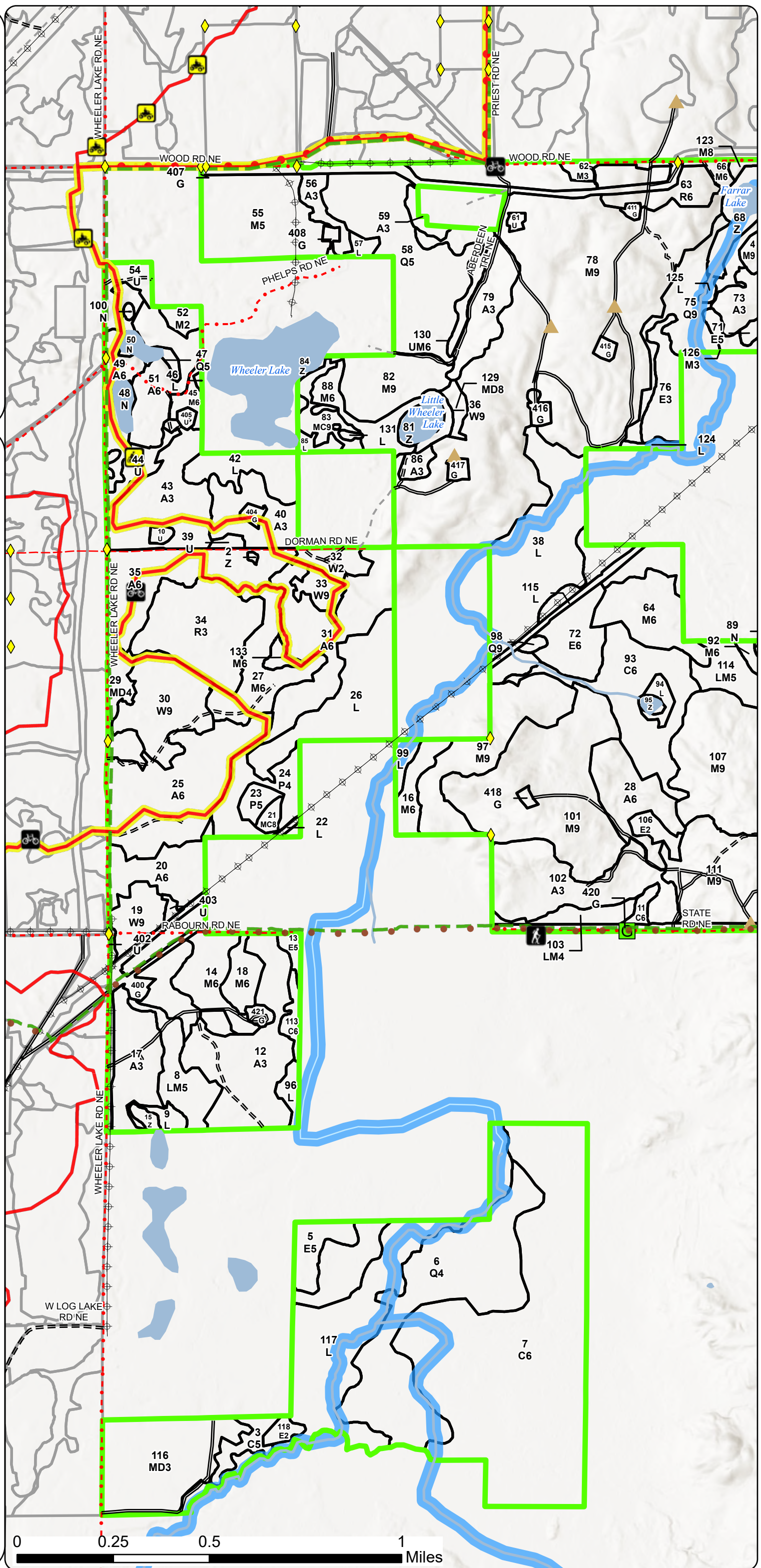
-  Survey Grade Corners
 -  Berm
 -  Gate
 -  Designated Hiking Pathway
 -  Designated Equestrian Trails
 -  Designated MCCCT Trails
 -  Designated ATV Trails
 -  Designated Motorcycle Trails
 -  DNR - Secondary Forest Road
 -  DNR - Forest Access Route
 -  Federal / State / County - Paved Road
 -  County - Gravel Road
 -  County - Dirt Road (Seasonal)
 -  Private - Dirt / Gravel Road
 -  Streams
 -  Lakes and Rivers
 -  Electric
 -  Compartment Boundary
 -  Stand Outline
 - 411 - Northern Hardwood
 - 413 - Aspen
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 429 - Mixed Upland Conifers
 - 430 - Upland Mixed Forest
 - 500 - Water
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
 - 310 - Herbaceous Openland
 - 320 - Upland Shrub
 - 330 - Low Density Trees
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland
 - 629 - Mixed non-forested Wetland



Compartment: 61169
T27N R06W Sec. 6,7 T27NR07W Sec.
1,12
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 2,352.52 GIS Calculated
Examiner: Steve Crigier
Date Exported: 06/25/2026
Map Phase: Web Post

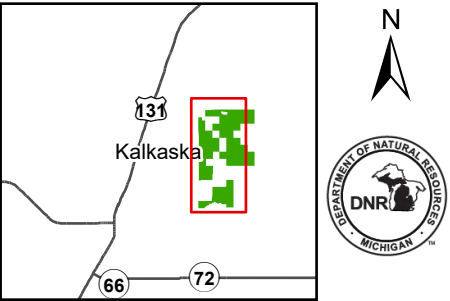


-  Survey Grade Corners
-  Berm
-  Gate
-  Designated Hiking Pathway
-  Designated Equestrian Trails
-  Designated MCCCT Trails
-  Designated ATV Trails
-  Designated Motorcycle Trails
-  DNR - Secondary Forest Road
-  DNR - Forest Access Route
-  Federal / State / County - Paved Road
-  County - Gravel Road
-  County - Dirt Road (Seasonal)
-  Private - Dirt / Gravel Road
-  Streams
-  Lakes and Rivers
-  Electric
-  Compartment Boundary
-  Stand Boundaries
-  Cold Water Streams
-  High Priority Trout Stream Buffer

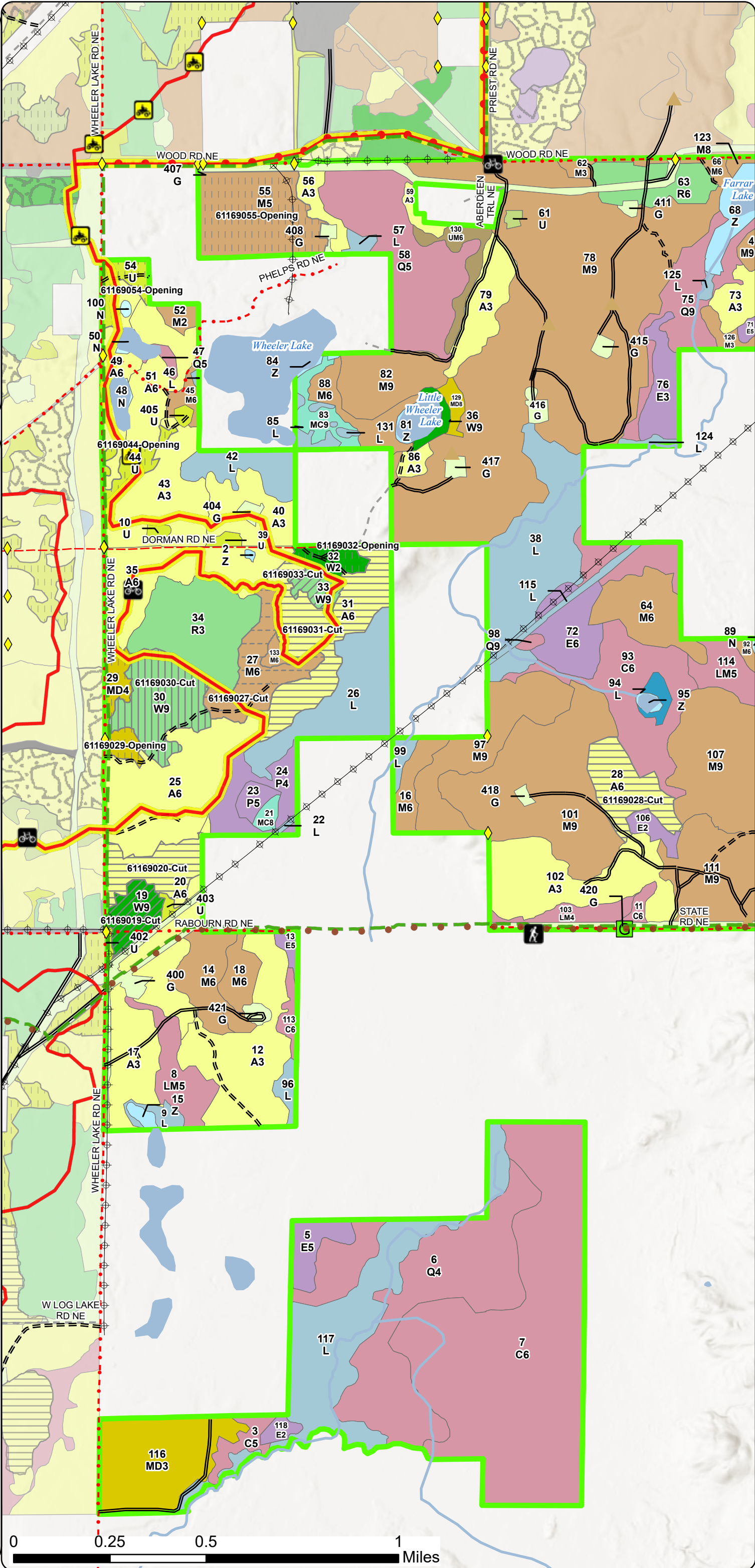


Cover Type & Treatments Map

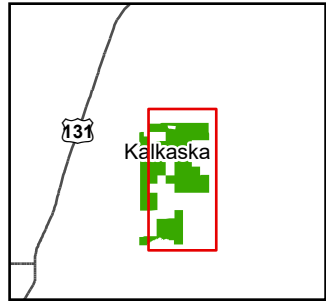
Compartment: 61169
T27N R06W Sec. 6,7 T27NR07W Sec. 1,12
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 2,352.52 GIS Calculated
Examiner: Steve Crigier
Date Exported: 06/25/2026
Map Phase: Web Post



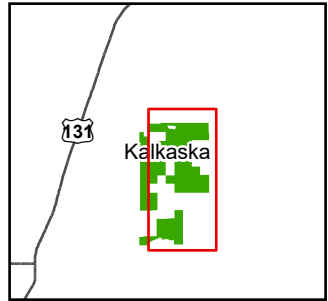
- Survey Grade Corners
- Berm
- Gate
- Designated Hiking Pathway
- Designated Equestrian Trails
- Designated MCCCT Trails
- Designated ATV Trails
- Designated Motorcycle Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- Clearcut
- Shelterwood
- Thinning
- Overstory Removal
- Openings Mgmt.
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested Wetland



Compartment: 61169
T27N R06W Sec. 6,7 T27NR07W Sec.
1,12
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 2,352.52 GIS Calculated
Examiner: Steve Crigier
Date Exported: 06/25/2026
Map Phase: Web Post



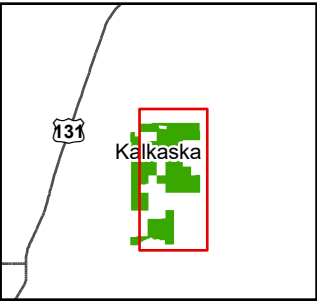
Compartment: 61169
T27N R06W Sec. 6,7 T27NR07W Sec.
1,12
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 2,352.52 GIS Calculated
Examiner: Steve Crigier
Date Exported: 06/25/2026
Map Phase: Web Post



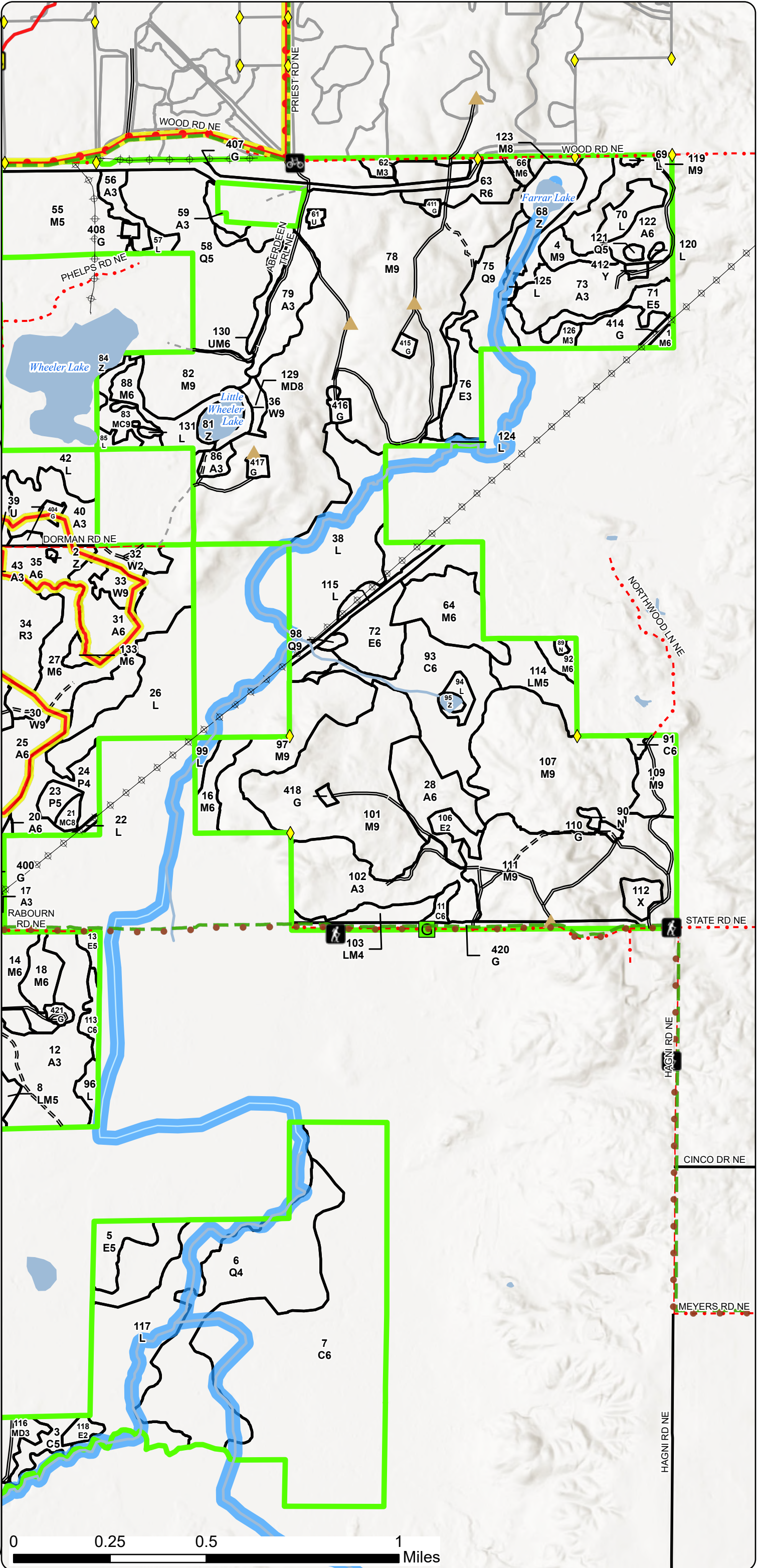
-

Special Conservation Areas
& Site Conditions Map

Compartment: 61169
T27N R06W Sec. 6,7 T27NR07W Sec.
1,12
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 2,352.52 GIS Calculated
Examiner: Steve Crigier
Date Exported: 06/25/2026
Map Phase: Web Post

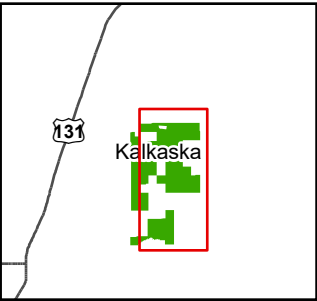


- Survey Grade Corners
- Berm
- Gate
- Designated Hiking Pathway
- Designated Equestrian Trails
- Designated MCCCT Trails
- Designated ATV Trails
- Designated Motorcycle Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer

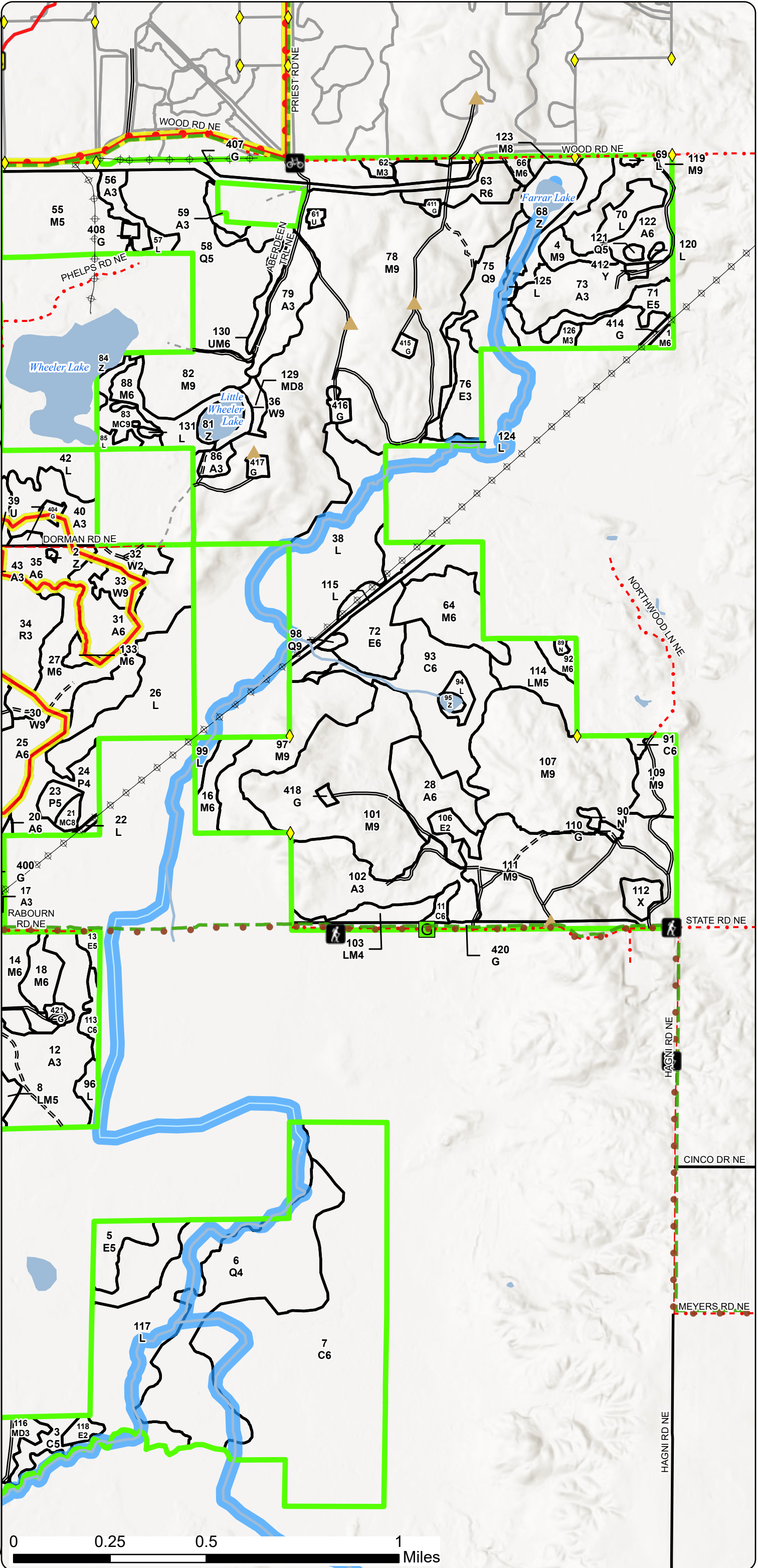


Special Conservation Areas
& Site Conditions Map

Compartment: 61169
T27N R06W Sec. 6,7 T27NR07W Sec.
1,12
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2028
Acres: 2,352.52 GIS Calculated
Examiner: Steve Crigier
Date Exported: 06/25/2026
Map Phase: Web Post



- Survey Grade Corners
- Berm
- Gate
- Designated Hiking Pathway
- Designated Equestrian Trails
- Designated MCCCT Trails
- Designated ATV Trails
- Designated Motorcycle Trails
- 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
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer



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	121	57	78	142	0	104	0	0	0	0	0	0	0	0	0	0	0	501
Cedar	0	0	0	0	0	0	0	0	0	0	189	48	0	0	0	0	0	1	238
Herbaceous Openland	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Low-Density Trees	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Lowland Aspen/Balsam Poplar	0	0	0	0	0	4	18	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Conifers	0	0	0	0	0	0	0	0	0	1	153	37	0	0	0	0	0	0	191
Lowland Deciduous	0	0	0	0	3	19	0	21	14	9	0	0	0	0	0	0	0	0	65
Lowland Mixed Forest	0	0	0	0	0	0	0	0	30	25	0	0	0	0	0	0	0	0	55
Lowland Shrub	223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223
Marsh	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	0	46	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	4	61
Northern Hardwood	0	0	0	0	9	0	27	0	35	203	6	0	0	0	0	0	0	454	733
Red Pine	0	40	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	57
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Conifers	0	0	0	0	0	0	0	3	0	9	0	0	0	0	0	0	0	0	12
Upland Mixed Forest	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	10
Upland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Water	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
White Pine	0	0	0	0	0	0	0	12	37	0	4	0	0	0	0	0	0	8	61
Total	345	207	57	78	154	34	149	53	126	247	352	85	0	0	0	0	0	467	2351



Report 2 – Treatment Summary

Traverse City Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 169
Total Compartment Acres: 2,353

Commercial Harvest - 279
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	Oversky Removal	Salvage	Other	Total Acres
Aspen	83	0	0	0	0	0	0	0	0	83
Northern Hardwood	0	0	0	0	11	24	0	0	0	35
White Pine	0	0	0	30	18	0	0	0	0	49
Total	83	0	0	30	29	24	0	0	0	166

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	166	0	0	0	0	0	0	0	0	243
Next Step	0	0	0	0	0	113	0	0	0	113
Total	166	0	0	0	0	113	0	0	0	356



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

Proposed Treatments:

19	61169019-Cut	11.6	42201 - Natural White Pine, Mixed Deciduous	9	69	171- 200	Harvest	Thinning	4220 - Natural White Pine	Cutting Record	No
-----------	---------------------	------	---	---	----	-------------	---------	----------	------------------------------	-------------------	----

Prescription Thin the white pine down to a residual BA of about 100sqft/ac.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Try to not encourage sprouting of deciduous species.

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

20	61169020-Cut	18.4	4130 - Aspen	6	52	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
-----------	---------------------	------	--------------	---	----	-------	---------	----------	-------------	--------------------	----

Prescription Final harvest the overstory, except leave all white pine and sugar maple. Try to push the stand more to hardwoods by protecting the advanced regen during harvest. Area retention in the south east corner of the stand where ground is wet (already mapped).

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

aspen, cherry, maple, birch, white pine

Regen:

Other

Include grouse/brush pile creation spec. Create 9 brush piles for grouse and rabbits within the stand.

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

27	61169027-Cut	23.6	4113 - R.Maple, Conifer	6	78	51-80	Harvest	Overstory Removal	411 - Northern Hardwood	Planting Record	No
-----------	---------------------	------	----------------------------	---	----	-------	---------	----------------------	----------------------------	--------------------	----

Prescription Remove the remaining overstory except leave all white pine and sugar maple. Cut all remaining trees greater than 4 inches in DBH. Apply ORV trail protections specs.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

St133 will act as long term retention.

Comment:

Site Condition:

Proposed Start Date: 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
28 61169028-Cut	20.9	4130 - Aspen	6	54	111-140	Harvest	Clearcut	4116 - Mixed N. Hardwood - Aspen	Cutting Record	No
<u>Prescription</u> Final harvest stand/overstory removal. Remove the overstory while protecting as much of the advanced sugar maple regeneration as possible. Leave all sugar maple. Area retention around vernal ponds or areas of low ground. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> aspen, maple, cherry, basswood <u>Other Comment:</u> Include grouse/brush pile creation spec. Create 10 brush piles for grouse and rabbits within the stand. May want to include the bark slip cutting restriction. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										
29 61169029-Opening	11.0	4199 - Other Mixed Upland Deciduous	4	40	1-50	Openings Mgmt.	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<u>Prescription</u> Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable Regen:</u> <u>Other Comment:</u> This is an upland brush stand that is slowly converting to forested. The value of scattered trees and shrubs in larger herbaceous setting is and important cover type for many wildlife species. Maintain as needed with mowing, seeding of native grasses an <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										
30 61169030-Cut	30.4	42101 - Planted White Pine, Mixed Deciduous	9	74	141-170	Harvest	Shelterwood	411 - Northern Hardwood	Cutting Record	No
<u>Prescription</u> Shelterwood harvest stand. Reduce white pine basal Area to 20-30sqft/ac. Leave any sugar maple and protect the advanced hardwood regeneration during the harvest. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> aspen, maple, white pine, cherry <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027										



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

31	61169031-Cut	43.6	4130 - Aspen	6	52	111-140	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Planting Record	No
----	--------------	------	--------------	---	----	---------	---------	----------	-------------------------------	-----------------	----

Prescription Final harvest stand. Leave all white pine and sugar maple. Avoid damage to the sugar maple in the understory as well. Apply area retention.

Next Step Monitoring, Natural Regen (Re-Inventory)

Acceptable aspen, maple, cherry, birch, basswood.

Other Include grouse/brush pile creation spec. Create 21 brush piles for grouse and rabbits within the stand. Apply ORV trail protection spec.

Site Condition:

Proposed Start Date: 10/01/2027

32	61169032-Opening	7.6	42201 - Natural White Pine, Mixed Deciduous	2	55	1-50	Openings Mgmt.	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
----	------------------	-----	---	---	----	------	----------------	----------------	---------------------------	--------------------	----

Prescription Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife

Next Step

Acceptable

Other This is an upland brush stand that is slowly converting to forested. The value of scattered trees and shrubs in larger herbaceous setting is and important cover type for many wildlife species. Maintain as needed with mowing, seeding of native grasses an

Site Condition:

Proposed Start Date: 10/01/2027

33	61169033-Cut	6.5	42101 - Planted White Pine, Mixed Deciduous	9	78	111-140	Harvest	Thinning	411 - Northern Hardwood	Cutting Record	No
----	--------------	-----	---	---	----	---------	---------	----------	-------------------------	----------------	----

Prescription Thin the white pine canopy down to 90-100sqft/ac. Goal is to release the hardwood understory yet still provide some filtered light conditions.

Next Step

Acceptable

Other Apply ORV trail protection spec. Long term MO of northern hardwoods.

Site Condition:

Proposed Start Date: 10/01/2027



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

44 61169044-Opening	8.1	330 - Low-Density Trees	99			Openings Mgmt.	Openings Mgmt.	3204 - Mast Producing Shrub	Previous Inventory	No
----------------------------	-----	-------------------------	----	--	--	----------------	----------------	-----------------------------	--------------------	----

Prescription Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife

Next Step
Treatments:

Acceptable
Regen:

Other This is an upland brush stand that is slowly converting to forested. The value of scattered trees and shrubs in larger herbaceous setting is and important cover type for many wildlife species. Maintain as needed with mowing, seeding of native grasses an

Site Condition:

Proposed Start Date: 10/01/2027

54 61169054-Opening	8.5	330 - Low-Density Trees	99			Openings Mgmt.	Openings Mgmt.	3204 - Mast Producing Shrub	Previous Inventory	No
----------------------------	-----	-------------------------	----	--	--	----------------	----------------	-----------------------------	--------------------	----

Prescription Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

55 61169055-Opening	41.2	4116 - Mixed N. Hardwood - Aspen	5	50	1-50	Openings Mgmt.	Openings Mgmt.	3303 - Mixed Low Density Trees	Previous Inventory	No
----------------------------	------	----------------------------------	---	----	------	----------------	----------------	--------------------------------	--------------------	----

Prescription Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife

Next Step
Treatments:

Acceptable
Regen:

Other This is an upland brush stand that is slowly converting to forested. The value of scattered trees and shrubs in larger herbaceous setting is and important cover type for many wildlife species. Maintain as needed with mowing, seeding of native grasses an

Site Condition:

Proposed Start Date: 10/01/2027

109 61169109-Cut	11.3	4116 - Mixed N. Hardwood - Aspen	9	89	111-140	Harvest	Thinning	411 - Northern Hardwood	Cutting Record	No
-------------------------	------	----------------------------------	---	----	---------	---------	----------	-------------------------	----------------	----

Prescription Thin stand down to a basal area of about 80sqft/ac. Create some canopy gaps where maple regeneration is present. Treatment boundary might need to be adjusted due to drainages and areas of wet ground. Avoid damage to the understory maple.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 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
-------------------	-------	--------------------	-----------------	--------------	-------------	-------------------	---------------------	-------------------------	------------------	----------------

Total Treatment
Acreage Proposed: 242.7

Report 4 – Site Conditions



Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
-------------	-----------------	----------------------	---------------------

Dominant Site Conditions

2F	2G	2H	3J	5E
----	----	----	----	----

441	437	0	5	Aspen					5
235	0	0	235	Cedar		235			
56	56	0	0	Herbaceous Openland					
23	23	0	0	Low-Density Trees					
22	0	0	22	Lowland Aspen/Balsam Poplar		18	4		
192	1	0	191	Lowland Conifers		157		34	
65	25	0	40	Lowland Deciduous		36			4
54	0	0	54	Lowland Mixed Forest		54			
223	223	0	0	Lowland Shrub					
7	7	0	0	Marsh					
60	57	0	4	Mixed Upland Deciduous	4				
643	622	0	21	Northern Hardwood		7	4	7	3
57	57	0	0	Red Pine					
1	1	0	0	Sand, Soil					
12	0	0	12	Upland Conifers			3	9	
10	10	0	0	Upland Mixed Forest					
1	1	0	0	Upland Shrub					
5	5	0	0	Urban					
29	29	0	0	Water					
60	56	0	4	White Pine				4	
2,196	1,611		585	Total Forested Acres	4	506	11	53	11
	73%		27%	Relative Percent					

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

Site No.	Dominant Site Cond	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		2F: Too steep	4	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions



2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	68	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	290	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	56	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	34	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area of retention for stand 102 can be relocated when the remanding portion of the stand gets cut. Acreage needs to be 1.8-6 acres to meet the 3-10 percent requirement.							

Report 4 – Site Conditions



28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

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

Comments



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
1	4112 - Maple, Beech, Cherry Association	Poletimber Well	1.6	87	111-140	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>Bigtooth Aspen</td><td>10</td><td>Pole/Log</td><td>9</td><td></td><td>Sugar Maple</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Sugar Maple</td><td>60</td><td>Pole/Log</td><td>9</td><td>87</td><td>Ironwood</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Maple</td><td>15</td><td>Pole/Log</td><td>9</td><td>87</td><td>Red Maple</td><td>Low</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Black Cherry</td><td>5</td><td>Pole/Sapling</td><td>5</td><td></td><td>Beech</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Basswood</td><td>10</td><td>Log/Pole</td><td>12</td><td>87</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	Bigtooth Aspen	10	Pole/Log	9		Sugar Maple	Low	10 - 20 feet	10 - 20 feet	Sugar Maple	60	Pole/Log	9	87	Ironwood	Low	10 - 20 feet	10 - 20 feet	Red Maple	15	Pole/Log	9	87	Red Maple	Low	>20 feet	>20 feet	Black Cherry	5	Pole/Sapling	5		Beech	Low	5 - 10 feet	5 - 10 feet	Basswood	10	Log/Pole	12	87				
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																					
Bigtooth Aspen	10	Pole/Log	9		Sugar Maple	Low	10 - 20 feet	10 - 20 feet																																																					
Sugar Maple	60	Pole/Log	9	87	Ironwood	Low	10 - 20 feet	10 - 20 feet																																																					
Red Maple	15	Pole/Log	9	87	Red Maple	Low	>20 feet	>20 feet																																																					
Black Cherry	5	Pole/Sapling	5		Beech	Low	5 - 10 feet	5 - 10 feet																																																					
Basswood	10	Log/Pole	12	87																																																									
2	500 - Water	None	0.4			No																																																							
3	6120 - Lowland Cedar	Poletimber Medium	7.3	93	51-80	N/A	2016 - Pockets of black ash (E4) looking stuff. Creek corridor. There are a few wooded drains running through the stand.																																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern White Cedar</td><td>60</td><td>Pole</td><td>8</td><td>93</td></tr><tr><td>Balsam Fir</td><td>10</td><td>Pole/Sapling</td><td>7</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Pole/Sapling</td><td>7</td><td></td></tr><tr><td>Paper Birch</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></table>								Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	60	Pole	8	93	Balsam Fir	10	Pole/Sapling	7		Red Maple	10	Pole/Sapling	7		Paper Birch	10	Pole	8		Black Spruce	10	Pole/Sapling	7																									
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Northern White Cedar	60	Pole	8	93																																																									
Balsam Fir	10	Pole/Sapling	7																																																										
Red Maple	10	Pole/Sapling	7																																																										
Paper Birch	10	Pole	8																																																										
Black Spruce	10	Pole/Sapling	7																																																										
4	4110 - Sugar Maple Association	Sawtimber Well	6.4	95	51-80	N/A	2026- Ironwood and beech are regenerating in the understory with small pockets of aspen and maple. June 2022 - Sale was Harvested "Hog Road Mix" Sale number 61-123-18-012016- Mature hardwoods with some high risk trees. Medium quality. Beech and ironwood in the understory.																																																						
<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>Sugar Maple</td><td>65</td><td>Log</td><td>13</td><td>95</td><td>Quaking Aspen</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Basswood</td><td>15</td><td>Log</td><td>14</td><td>95</td><td>Balsam Fir</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>10</td><td>Log</td><td>12</td><td></td><td>Ironwood</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Cherry</td><td>5</td><td>Log/Pole</td><td>13</td><td>95</td><td>Beech</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Yellow Birch</td><td>5</td><td>Log/Pole</td><td>12</td><td>95</td><td>Sugar Maple</td><td>Trace</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	Sugar Maple	65	Log	13	95	Quaking Aspen	Low	5 - 10 feet	5 - 10 feet	Basswood	15	Log	14	95	Balsam Fir	Trace	Variable	Variable	Red Maple	10	Log	12		Ironwood	Medium	5 - 10 feet	5 - 10 feet	Black Cherry	5	Log/Pole	13	95	Beech	Low	5 - 10 feet	5 - 10 feet	Yellow Birch	5	Log/Pole	12	95	Sugar Maple	Trace	5 - 10 feet	5 - 10 feet
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																					
Sugar Maple	65	Log	13	95	Quaking Aspen	Low	5 - 10 feet	5 - 10 feet																																																					
Basswood	15	Log	14	95	Balsam Fir	Trace	Variable	Variable																																																					
Red Maple	10	Log	12		Ironwood	Medium	5 - 10 feet	5 - 10 feet																																																					
Black Cherry	5	Log/Pole	13	95	Beech	Low	5 - 10 feet	5 - 10 feet																																																					
Yellow Birch	5	Log/Pole	12	95	Sugar Maple	Trace	5 - 10 feet	5 - 10 feet																																																					
5	6113 - Lowland Maple	Poletimber Medium	11.0	70	51-80	N/A	2016 - Clumpy red maple with quite a bit of fir. BAs around 60sqft/ac but stocking is quite variable. Soft ground.																																																						
<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 Maple</td><td>65</td><td>Pole</td><td>8</td><td>70</td><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Quaking Aspen</td><td>5</td><td>Pole</td><td>8</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td>Pole</td><td>8</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Balsam Fir</td><td>20</td><td>Pole/Sapling</td><td>7</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>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	Red Maple	65	Pole	8	70	Balsam Fir	Medium	Variable	Variable	Quaking Aspen	5	Pole	8						Paper Birch	5	Pole	8						Balsam Fir	20	Pole/Sapling	7						Northern White Cedar	5	Pole	8					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																					
Red Maple	65	Pole	8	70	Balsam Fir	Medium	Variable	Variable																																																					
Quaking Aspen	5	Pole	8																																																										
Paper Birch	5	Pole	8																																																										
Balsam Fir	20	Pole/Sapling	7																																																										
Northern White Cedar	5	Pole	8																																																										



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
6	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	97.4	93	1-50	N/A	2016 - Areas of L type in this stand also. Chlorotic looking cedar, filling in with a mix of fir and birch. Lots of dead cedar, I assume it is a water table issue due to the beaver activity on the creek.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern White Cedar</td><td>45</td><td>Pole</td><td>6</td><td>93</td></tr><tr><td>White Pine</td><td>5</td><td>Log</td><td>12</td><td></td></tr><tr><td>Paper Birch</td><td>15</td><td>Pole/Sapling</td><td>7</td><td></td></tr><tr><td>Black Spruce</td><td>15</td><td>Pole/Sapling</td><td>7</td><td></td></tr><tr><td>Balsam Fir</td><td>20</td><td>Pole/Sapling</td><td>7</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	45	Pole	6	93	White Pine	5	Log	12		Paper Birch	15	Pole/Sapling	7		Black Spruce	15	Pole/Sapling	7		Balsam Fir	20	Pole/Sapling	7		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	5 - 10 feet	Balsam Fir	Medium	Variable	Variable		
Canopy Species	% Cover	Size Class	DBH	Age																																													
Northern White Cedar	45	Pole	6	93																																													
White Pine	5	Log	12																																														
Paper Birch	15	Pole/Sapling	7																																														
Black Spruce	15	Pole/Sapling	7																																														
Balsam Fir	20	Pole/Sapling	7																																														
Sub-Canopy Species	Density	Avg. Height	Size																																														
Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																														
Balsam Fir	Medium	Variable	Variable																																														

7	6120 - Lowland Cedar	Poletimber Well	182.4	93	81-110	N/A	2016 - Creek running along the west end. Stocking is variable. Some C5 pockets. North west end has some spruce pockets. A decent amount of blow downs.																																																														
	Canopy Species	% Cover	Size Class	DBH	Age		----------------------	---------	--------------	-----	-----		Northern White Cedar	80	Pole	8	93		Black Spruce	5	Pole	8			Paper Birch	5	Pole	8			Balsam Fir	5	Pole/Sapling	7			Red Maple	5	Pole/Sapling	7						Sub-Canopy Species	Density	Avg. Height	Size		--------------------	---------	-------------	-------------		Balsam Fir	Low	5 - 10 feet	5 - 10 feet		Tag Alder	Low	5 - 10 feet	5 - 10 feet					
8	6130 - Fir, Aspen, Maple	Poletimber Medium	17.0	80	Unspecified	N/A																																																															
	Canopy Species	% Cover	Size Class	DBH	Age		----------------------	---------	--------------	-----	-----		Red Maple	25	Pole/Sapling	6			Balsam Fir	45	Pole	7	80		Northern White Cedar	10	Pole	6			Quaking Aspen	20	Pole/Log	9						Sub-Canopy Species	Density	Avg. Height	Size		--------------------	---------	-------------	-------------		Balsam Fir	Low	5 - 10 feet	5 - 10 feet		Tag Alder	Low	5 - 10 feet	5 - 10 feet											
9	622 - Lowland Shrub	None	3.6			No																																																															
10	3301 - Low Density Deciduous Trees	None	1.5			No	opening filling in with cherry and red maple.																																																														
11	6120 - Lowland Cedar	Poletimber Well	2.6	100	81-110	N/A	2016 - Nice patch of cedar.																																																														
	Canopy Species	% Cover	Size Class	DBH	Age		----------------------	---------	------------	-----	-----		Northern White Cedar	70	Pole	8	100		Balsam Fir	15	Pole	7			Red Maple	5	Pole	8			Hemlock	10	Pole	8						Sub-Canopy Species	Density	Avg. Height	Size		--------------------	---------	-------------	-------------		Black Ash	Low	5 - 10 feet	5 - 10 feet		Balsam Fir	Low	Variable	Variable											
12	4130 - Aspen	Sapling Well	48.0	27	Immature	N/A	2026- Healthy canopy, Stand is starting to convert to pole timber.																																																														
	Canopy Species	% Cover	Size Class	DBH	Age		----------------	---------	--------------	-----	-----		Quaking Aspen	60	Sapling/Pole	4	27		Black Cherry	20	Sapling/Pole	3	27		Red Maple	10	Sapling	2	27		Balsam Fir	10	Sapling/Pole	4	27					Sub-Canopy Species	Density	Avg. Height	Size		--------------------	---------	--------------	--------------		Red Maple	Medium	10 - 20 feet	10 - 20 feet				2016- Trees are about 15' tall and is well stocked. Looks like there is a few wet spots in the southern part of the stand2006- OPIC - FMD: TS# 27-99-1												



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
13	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	2.9	70	1-50	N/A	Black ash is mostly dead but is resprouting. Very wet ground.																																																	
		<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>40</td><td>Pole/Sapling</td><td>6</td><td>70</td></tr><tr><td>Quaking Aspen</td><td>10</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Northern White Cedar</td><td>10</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Balsam Fir</td><td>20</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>Black Ash</td><td>20</td><td>Pole/Sapling</td><td>6</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	40	Pole/Sapling	6	70	Quaking Aspen	10	Pole	6		Northern White Cedar	10	Pole	6		Balsam Fir	20	Pole/Sapling	6		Black Ash	20	Pole/Sapling	6				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Ash</td><td>Medium</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><tr><td>Quaking Aspen</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Black Ash	Medium	5 - 10 feet	5 - 10 feet	Red Maple	Low	5 - 10 feet	5 - 10 feet	Quaking Aspen	Low	5 - 10 feet	5 - 10 feet					
Canopy Species	% Cover	Size Class	DBH	Age																																																				
Red Maple	40	Pole/Sapling	6	70																																																				
Quaking Aspen	10	Pole	6																																																					
Northern White Cedar	10	Pole	6																																																					
Balsam Fir	20	Pole/Sapling	6																																																					
Black Ash	20	Pole/Sapling	6																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																					
Black Ash	Medium	5 - 10 feet	5 - 10 feet																																																					
Red Maple	Low	5 - 10 feet	5 - 10 feet																																																					
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet																																																					
14	4112 - Maple, Beech, Cherry Association	Poletimber Well	17.0	84	51-80	N/A	2026- A few clones of aspen regen. A good amount of cherry and red maple establishing in the understory. BAs: 70, 50, 70. 2020- Stand was thinned in 20202016-Clumpy red maple of medium quality. Pockets of log sized red maple. Stocking is variable. Eastern part of stand transitions into a younger red maple stand.																																																	
		<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>75</td><td>Pole/Log</td><td>9</td><td>84</td></tr><tr><td>Sugar Maple</td><td>15</td><td>Pole/Log</td><td>8</td><td>84</td></tr><tr><td>Black Cherry</td><td>7</td><td>Pole</td><td>8</td><td></td></tr><tr><td>White Pine</td><td>3</td><td>Pole/Sap/Log</td><td>8</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	75	Pole/Log	9	84	Sugar Maple	15	Pole/Log	8	84	Black Cherry	7	Pole	8		White Pine	3	Pole/Sap/Log	8				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Ironwood</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Cherry</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Quaking Aspen</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Beech	Trace	5 - 10 feet	5 - 10 feet	Ironwood	Low	Variable	Variable	Red Maple	Medium	5 - 10 feet	5 - 10 feet	Black Cherry	Medium	5 - 10 feet	5 - 10 feet	Quaking Aspen	Low	10 - 20 feet	10 - 20 feet		
Canopy Species	% Cover	Size Class	DBH	Age																																																				
Red Maple	75	Pole/Log	9	84																																																				
Sugar Maple	15	Pole/Log	8	84																																																				
Black Cherry	7	Pole	8																																																					
White Pine	3	Pole/Sap/Log	8																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																					
Beech	Trace	5 - 10 feet	5 - 10 feet																																																					
Ironwood	Low	Variable	Variable																																																					
Red Maple	Medium	5 - 10 feet	5 - 10 feet																																																					
Black Cherry	Medium	5 - 10 feet	5 - 10 feet																																																					
Quaking Aspen	Low	10 - 20 feet	10 - 20 feet																																																					
15	500 - Water	None	2.0			No																																																		
16	4112 - Maple, Beech, Cherry Association	Poletimber Well	9.2	59	111-140	N/A	2026- BAs: 110, 110, 100, Stand is on transition ground, hummocks and areas of low ground. scattered hemlock. 2016- Mostly young red maple although there are pockets of larger sized trees (10-12")?? Some pockets of aspen. BAs are around 60-70.																																																	
		<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>67</td><td>Pole/Sapling</td><td>7</td><td>59</td></tr><tr><td>Quaking Aspen</td><td>10</td><td>Pole</td><td>8</td><td>59</td></tr><tr><td>Sugar Maple</td><td>5</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Black Cherry</td><td>15</td><td>Pole/Sapling</td><td>7</td><td>59</td></tr><tr><td>Hemlock</td><td>3</td><td>Log/Pole</td><td>10</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	67	Pole/Sapling	7	59	Quaking Aspen	10	Pole	8	59	Sugar Maple	5	Pole/Sapling	5		Black Cherry	15	Pole/Sapling	7	59	Hemlock	3	Log/Pole	10				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	Variable	Variable	Red Maple	Medium	Variable	Variable									
Canopy Species	% Cover	Size Class	DBH	Age																																																				
Red Maple	67	Pole/Sapling	7	59																																																				
Quaking Aspen	10	Pole	8	59																																																				
Sugar Maple	5	Pole/Sapling	5																																																					
Black Cherry	15	Pole/Sapling	7	59																																																				
Hemlock	3	Log/Pole	10																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																					
Beech	Low	Variable	Variable																																																					
Red Maple	Medium	Variable	Variable																																																					
17	4130 - Aspen	Sapling Well	41.4	6	Immature	N/A	2026- Stand has regenerated well. Scattered pole and Log size white pine. 2020-Stand was harvested 2020/2019																																																	
		<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>60</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Red Maple</td><td>15</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Black Cherry</td><td>15</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>White Pine</td><td>5</td><td>Log</td><td>12</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Sapling</td><td>3</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	60	Sapling	1	6	Red Maple	15	Sapling	1	6	Black Cherry	15	Sapling	1	6	White Pine	5	Log	12		Balsam Fir	5	Sapling	3				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Trace</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Trace	< 5 feet	< 5 feet													
Canopy Species	% Cover	Size Class	DBH	Age																																																				
Quaking Aspen	60	Sapling	1	6																																																				
Red Maple	15	Sapling	1	6																																																				
Black Cherry	15	Sapling	1	6																																																				
White Pine	5	Log	12																																																					
Balsam Fir	5	Sapling	3																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																					
Balsam Fir	Trace	< 5 feet	< 5 feet																																																					
18	4112 - Maple, Beech, Cherry Association	Poletimber Well	11.2	74	111-140	N/A	2026- Some areas of small diameters BAs: 100, 140, 130. 2016- Moderate quality hardwoods. Looks like mostly stump sprout origin.																																																	
		<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>55</td><td>Pole</td><td>7</td><td>74</td></tr><tr><td>Black Cherry</td><td>30</td><td>Pole/Log</td><td>9</td><td>74</td></tr><tr><td>Quaking Aspen</td><td>10</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Sugar Maple</td><td>5</td><td>Pole</td><td>7</td><td>74</td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	55	Pole	7	74	Black Cherry	30	Pole/Log	9	74	Quaking Aspen	10	Pole	8		Sugar Maple	5	Pole	7	74			<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>Beech</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Trace	Variable	Variable	Beech	Trace	5 - 10 feet	5 - 10 feet	Red Maple	Low	Variable	Variable										
Canopy Species	% Cover	Size Class	DBH	Age																																																				
Red Maple	55	Pole	7	74																																																				
Black Cherry	30	Pole/Log	9	74																																																				
Quaking Aspen	10	Pole	8																																																					
Sugar Maple	5	Pole	7	74																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																					
Balsam Fir	Trace	Variable	Variable																																																					
Beech	Trace	5 - 10 feet	5 - 10 feet																																																					
Red Maple	Low	Variable	Variable																																																					



MICHIGAN



MICHIGAN



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
31	4130 - Aspen	Poletimber Well	43.6	52	111-140	N/A	Nice stand of aspen, 5-6 stick trees with lots of maple in the understory. Healthy looking stand.																																													
<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>70</td><td>Pole</td><td>8</td><td>52</td></tr><tr><td>Black Cherry</td><td>10</td><td>Pole</td><td>8</td><td>52</td></tr><tr><td>Red Maple</td><td>15</td><td>Pole</td><td>7</td><td>52</td></tr><tr><td>White Pine</td><td>2</td><td>Pole/Log</td><td>8</td><td>52</td></tr><tr><td>Sugar Maple</td><td>3</td><td>Pole/Sapling</td><td>7</td><td>52</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	70	Pole	8	52	Black Cherry	10	Pole	8	52	Red Maple	15	Pole	7	52	White Pine	2	Pole/Log	8	52	Sugar Maple	3	Pole/Sapling	7	52	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Trace</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Sugar Maple</td><td>Trace</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Beech	Trace	10 - 20 feet	10 - 20 feet	Red Maple	Medium	>20 feet	>20 feet	Sugar Maple	Trace	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																
Quaking Aspen	70	Pole	8	52																																																
Black Cherry	10	Pole	8	52																																																
Red Maple	15	Pole	7	52																																																
White Pine	2	Pole/Log	8	52																																																
Sugar Maple	3	Pole/Sapling	7	52																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																	
Beech	Trace	10 - 20 feet	10 - 20 feet																																																	
Red Maple	Medium	>20 feet	>20 feet																																																	
Sugar Maple	Trace	Variable	Variable																																																	
32	42201 - Natural White Pine, Mixed Deciduous	Sapling Medium	7.6	55	1-50	N/A	Opening that is filling in with white pine and cherry.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>20</td><td>Pole/Sapling</td><td>7</td><td>55</td></tr><tr><td>White Pine</td><td>60</td><td>Pole/Sap/Log</td><td>7</td><td>55</td></tr><tr><td>Red Maple</td><td>20</td><td>Pole/Sapling</td><td>5</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Black Cherry	20	Pole/Sapling	7	55	White Pine	60	Pole/Sap/Log	7	55	Red Maple	20	Pole/Sapling	5																															
Canopy Species	% Cover	Size Class	DBH	Age																																																
Black Cherry	20	Pole/Sapling	7	55																																																
White Pine	60	Pole/Sap/Log	7	55																																																
Red Maple	20	Pole/Sapling	5																																																	
33	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	6.5	78	111-140	N/A	Decent quality white pine with lots of maple in the understory. BAs ran around 140ish. Evidence of plantation rows not no records.																																													
<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>75</td><td>Log/Pole</td><td>13</td><td>78</td></tr><tr><td>Quaking Aspen</td><td>15</td><td>Pole</td><td>9</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Pole</td><td>8</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	75	Log/Pole	13	78	Quaking Aspen	15	Pole	9		Red Maple	10	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>High</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Sugar Maple</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	10 - 20 feet	10 - 20 feet	Sugar Maple	Low	10 - 20 feet	10 - 20 feet														
Canopy Species	% Cover	Size Class	DBH	Age																																																
White Pine	75	Log/Pole	13	78																																																
Quaking Aspen	15	Pole	9																																																	
Red Maple	10	Pole	8																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																	
Red Maple	High	10 - 20 feet	10 - 20 feet																																																	
Sugar Maple	Low	10 - 20 feet	10 - 20 feet																																																	
34	42110 - Planted Red Pine	Sapling Well	40.1	4	Immature	N/A	2025 - Year 3 Regeneration Survey was completed 9/26/2025. There is currently 701Trees per Acre and stand is 97% Free to Grow at this time.2023 - 845 TPA were planted in initial plant. Stand had year 1 regeneration surveys completed 9/22/2023. Stand is currently sitting at 785 trees per acre and is 99% free to grow at this time. 2023 - Stand was planted to red pine, 845 TPA.2022 - Stand Was Skidder Site Prep Sprayed to prep ground to plant red pine 2021 - Stand Was Trenched to plant red pine2020 - Sale was Clearcut as part of Lost Delivery Truck (Sale#61-124-18)2017 - Borderline a forested stand. West end is more open and east end has a bit more timber. Scattered crooked cherry with open grown white pine and some pockets of 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>Red Pine</td><td>97</td><td>Sapling</td><td>1</td><td>4</td></tr><tr><td>White Pine</td><td>3</td><td>Sapling</td><td>1</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	97	Sapling	1	4	White Pine	3	Sapling	1																																				
Canopy Species	% Cover	Size Class	DBH	Age																																																
Red Pine	97	Sapling	1	4																																																
White Pine	3	Sapling	1																																																	
35	4130 - Aspen	Poletimber Well	38.0	34	51-80	N/A	2026- A few clones of big tooth aspen. Healthy over story. Maple establishing in the understory. 2016- Trees are 30-40' tall, stand is converting to a pole sized stand. East end seems to be more of an A6 type but with a decent amount of saplings. 2006- OPIC - FMD: Sale #29-88.																																													
<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>80</td><td>Pole/Sapling</td><td>6</td><td>34</td></tr><tr><td>Red Maple</td><td>10</td><td>Sapling/Pole</td><td>4</td><td>34</td></tr><tr><td>Black Cherry</td><td>10</td><td>Pole/Sapling</td><td>5</td><td>34</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	80	Pole/Sapling	6	34	Red Maple	10	Sapling/Pole	4	34	Black Cherry	10	Pole/Sapling	5	34	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Sugar Maple</td><td>Trace</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Black Cherry</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Trace	10 - 20 feet	10 - 20 feet	Black Cherry	Low	10 - 20 feet	10 - 20 feet	Red Maple	Medium	Variable	Variable										
Canopy Species	% Cover	Size Class	DBH	Age																																																
Quaking Aspen	80	Pole/Sapling	6	34																																																
Red Maple	10	Sapling/Pole	4	34																																																
Black Cherry	10	Pole/Sapling	5	34																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																	
Sugar Maple	Trace	10 - 20 feet	10 - 20 feet																																																	
Black Cherry	Low	10 - 20 feet	10 - 20 feet																																																	
Red Maple	Medium	Variable	Variable																																																	



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
36	42200 - Natural White Pine	Sawtimber Well	3.6	98	81-110	N/A	Some hemlock and pine around Little Wheeler Lake.																																				
<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>70</td><td>Log</td><td>13</td><td>98</td></tr><tr><td>Red Maple</td><td>10</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>Quaking Aspen</td><td>15</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>Hemlock</td><td>5</td><td>Log/Pole</td><td>10</td><td>98</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	70	Log	13	98	Red Maple	10	Pole/Log	9		Quaking Aspen	15	Pole/Log	9		Hemlock	5	Log/Pole	10	98	<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>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable							
Canopy Species	% Cover	Size Class	DBH	Age																																							
White Pine	70	Log	13	98																																							
Red Maple	10	Pole/Log	9																																								
Quaking Aspen	15	Pole/Log	9																																								
Hemlock	5	Log/Pole	10	98																																							
Sub-Canopy Species	Density	Avg. Height	Size																																								
Red Maple	Medium	Variable	Variable																																								
38	622 - Lowland Shrub	None	58.9			No	2026- Flooded area. Combination of water and lowland shrub.																																				
39	330 - Low-Density Trees	None	1.7			No	2026- Some white pine and cherry filling in.OPIC - FMD: OI Stand Year Origin was																																				
40	4130 - Aspen	Sapling Well	20.1	25	Immature	N/A	2026- Stand starting to convert to pole size trees. hardwoods developing in the understory.2016- Trees are 20-25' tall. Some cherry pole timber was scattered throughout. Dense stocking. Old sale 61-024-99-01.																																				
<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>80</td><td>Sapling/Pole</td><td>4</td><td>25</td></tr><tr><td>Red Maple</td><td>10</td><td>Sapling/Pole</td><td>3</td><td>25</td></tr><tr><td>Black Cherry</td><td>10</td><td>Sapling/Pole</td><td>4</td><td>25</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	80	Sapling/Pole	4	25	Red Maple	10	Sapling/Pole	3	25	Black Cherry	10	Sapling/Pole	4	25	<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>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	10 - 20 feet	10 - 20 feet												
Canopy Species	% Cover	Size Class	DBH	Age																																							
Quaking Aspen	80	Sapling/Pole	4	25																																							
Red Maple	10	Sapling/Pole	3	25																																							
Black Cherry	10	Sapling/Pole	4	25																																							
Sub-Canopy Species	Density	Avg. Height	Size																																								
Red Maple	Medium	10 - 20 feet	10 - 20 feet																																								
42	622 - Lowland Shrub	None	15.7			No																																					
43	4130 - Aspen	Sapling Well	35.0	15	Immature	N/A	2026- well stocked stand. 2016- Trees are about 10' tall and is well stocked. Scattered white pine pole timber. There is a bit of wet ground in the north finger of the stand. 2011- OPIC - FMD: Stand was clearcut in 2011 and is regenerating well (61-046-08-01)																																				
<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>75</td><td>Sapling</td><td>2</td><td>15</td></tr><tr><td>Black Cherry</td><td>10</td><td>Sapling</td><td>2</td><td>15</td></tr><tr><td>Red Maple</td><td>10</td><td>Sapling</td><td>2</td><td>15</td></tr><tr><td>White Pine</td><td>5</td><td>Pole/Sapling</td><td>7</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	75	Sapling	2	15	Black Cherry	10	Sapling	2	15	Red Maple	10	Sapling	2	15	White Pine	5	Pole/Sapling	7																		
Canopy Species	% Cover	Size Class	DBH	Age																																							
Quaking Aspen	75	Sapling	2	15																																							
Black Cherry	10	Sapling	2	15																																							
Red Maple	10	Sapling	2	15																																							
White Pine	5	Pole/Sapling	7																																								
44	330 - Low-Density Trees	None	8.1			No	2026- opening slowly filing in with cherry, white pine, and aspen.																																				
45	4111 - S.Maple, Hard Mast Association	Poletimber Well	4.3	82	81-110	N/A	2026- Medium quality timber. Mostly open grown trees. Stocking is variable.																																				
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>60</td><td>Pole/Log</td><td>9</td><td>82</td></tr><tr><td>Beech</td><td>10</td><td>Log</td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>25</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>5</td><td>Pole/Log</td><td>9</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	60	Pole/Log	9	82	Beech	10	Log	12		Red Maple	25	Pole/Log	9		Bigtooth Aspen	5	Pole/Log	9		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Sugar Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	5 - 10 feet	5 - 10 feet	Beech	Low	5 - 10 feet	5 - 10 feet			
Canopy Species	% Cover	Size Class	DBH	Age																																							
Sugar Maple	60	Pole/Log	9	82																																							
Beech	10	Log	12																																								
Red Maple	25	Pole/Log	9																																								
Bigtooth Aspen	5	Pole/Log	9																																								
Sub-Canopy Species	Density	Avg. Height	Size																																								
Sugar Maple	Low	5 - 10 feet	5 - 10 feet																																								
Beech	Low	5 - 10 feet	5 - 10 feet																																								
46	622 - Lowland Shrub	None	0.5			No																																					



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
47	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	2.3	101	51-80	N/A	Cedar looks very chlorotic. Scattered large white pine.																																																				
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern White Cedar</td><td>25</td><td>Pole</td><td>7</td><td>101</td></tr><tr><td>Hemlock</td><td>25</td><td>Pole</td><td>7</td><td></td></tr><tr><td>White Pine</td><td>10</td><td>Log</td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>30</td><td>Pole/Sapling</td><td>7</td><td>101</td></tr><tr><td>Black Ash</td><td>10</td><td>Pole/Sapling</td><td>6</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	25	Pole	7	101	Hemlock	25	Pole	7		White Pine	10	Log	12		Red Maple	30	Pole/Sapling	7	101	Black Ash	10	Pole/Sapling	6				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Hemlock</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Hemlock	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	Low	Variable	Variable												
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Northern White Cedar	25	Pole	7	101																																																							
Hemlock	25	Pole	7																																																								
White Pine	10	Log	12																																																								
Red Maple	30	Pole/Sapling	7	101																																																							
Black Ash	10	Pole/Sapling	6																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Hemlock	Low	5 - 10 feet	5 - 10 feet																																																								
Balsam Fir	Low	Variable	Variable																																																								
48	623 - Emergent Wetland	None	2.7			No																																																					
49	4139 - Aspen, Mixed Deciduous	Poletimber Well	16.9	50	51-80	N/A	2026- Stand appears to be transitioning to an oak/pine stand. Poor quality aspen2016- Stand is mostly aspen but more of a mix of hardwoods around the vernal ponds.																																																				
		<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>Pole</td><td>8</td><td>50</td></tr><tr><td>Red Oak</td><td>10</td><td>Pole/Log</td><td>9</td><td>50</td></tr><tr><td>Black Cherry</td><td>5</td><td>Pole</td><td>8</td><td>50</td></tr><tr><td>Red Maple</td><td>15</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Sugar Maple</td><td>10</td><td>Pole</td><td>7</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Log/Pole</td><td>10</td><td>50</td></tr><tr><td>Paper Birch</td><td>5</td><td>Pole</td><td>7</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	50	Pole	8	50	Red Oak	10	Pole/Log	9	50	Black Cherry	5	Pole	8	50	Red Maple	15	Log/Pole	10		Sugar Maple	10	Pole	7		White Pine	5	Log/Pole	10	50	Paper Birch	5	Pole	7				<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>Variable</td><td>Variable</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable						
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Quaking Aspen	50	Pole	8	50																																																							
Red Oak	10	Pole/Log	9	50																																																							
Black Cherry	5	Pole	8	50																																																							
Red Maple	15	Log/Pole	10																																																								
Sugar Maple	10	Pole	7																																																								
White Pine	5	Log/Pole	10	50																																																							
Paper Birch	5	Pole	7																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Red Maple	Medium	Variable	Variable																																																								
50	623 - Emergent Wetland	None	1.8			No																																																					
51	4130 - Aspen	Poletimber Well	23.7	37	81-110	N/A	2026- Healthy stand, hardwood developing in the understory.2016- Stand is converting to a pole sized stand. Eastern part of the stand has a decent amount of large oak that was left. 2006- OPIC - FMD: Sale #30-88.																																																				
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>20</td><td>Pole/Sapling</td><td>6</td><td>37</td></tr><tr><td>Red Oak</td><td>15</td><td>Log</td><td>13</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Pole/Sapling</td><td>6</td><td>37</td></tr><tr><td>Red Maple</td><td>10</td><td>Pole/Sapling</td><td>5</td><td>37</td></tr><tr><td>Sugar Maple</td><td>5</td><td>Sapling/Pole</td><td>4</td><td>37</td></tr><tr><td>Quaking Aspen</td><td>45</td><td>Pole/Sapling</td><td>6</td><td>37</td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	20	Pole/Sapling	6	37	Red Oak	15	Log	13		Black Cherry	5	Pole/Sapling	6	37	Red Maple	10	Pole/Sapling	5	37	Sugar Maple	5	Sapling/Pole	4	37	Quaking Aspen	45	Pole/Sapling	6	37			<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>>20 feet</td><td>>20 feet</td></tr><tr><td>Red Oak</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Witch Hazel</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	Medium	>20 feet	>20 feet	Red Oak	Trace	5 - 10 feet	5 - 10 feet	Witch Hazel	Low	5 - 10 feet	5 - 10 feet			
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Bigtooth Aspen	20	Pole/Sapling	6	37																																																							
Red Oak	15	Log	13																																																								
Black Cherry	5	Pole/Sapling	6	37																																																							
Red Maple	10	Pole/Sapling	5	37																																																							
Sugar Maple	5	Sapling/Pole	4	37																																																							
Quaking Aspen	45	Pole/Sapling	6	37																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Red Maple	Medium	>20 feet	>20 feet																																																								
Red Oak	Trace	5 - 10 feet	5 - 10 feet																																																								
Witch Hazel	Low	5 - 10 feet	5 - 10 feet																																																								
52	4112 - Maple, Beech, Cherry Association	Sapling Medium	4.0	25	Immature	N/A	Scattered cherry and red maple pole timber with maple and white pine saplings filling in.																																																				
		<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>5</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>White Pine</td><td>15</td><td>Sapling</td><td>2</td><td>25</td></tr><tr><td>Sugar Maple</td><td>15</td><td>Sapling</td><td>1</td><td>25</td></tr><tr><td>Red Maple</td><td>40</td><td>Sapling/Pole</td><td>3</td><td>25</td></tr><tr><td>Black Cherry</td><td>25</td><td>Sapling/Pole</td><td>3</td><td>25</td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	5	Sapling	2		White Pine	15	Sapling	2	25	Sugar Maple	15	Sapling	1	25	Red Maple	40	Sapling/Pole	3	25	Black Cherry	25	Sapling/Pole	3	25																											
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Quaking Aspen	5	Sapling	2																																																								
White Pine	15	Sapling	2	25																																																							
Sugar Maple	15	Sapling	1	25																																																							
Red Maple	40	Sapling/Pole	3	25																																																							
Black Cherry	25	Sapling/Pole	3	25																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
54	330 - Low-Density Trees	None	8.5			No	2026 -Semi open aea with red maple, cherry and aspen in areas. South east part of the stand is an old well pad that was plugged in 2003.																																																										
55	4116 - Mixed N. Hardwood - Aspen	Poletimber Medium	41.2	50	1-50	N/A	2026- Opening that is filling in. Poor quality A5 pockets. Scattered red maple and cherry pole timber with red maple, sugar maple, white pine and aspen saplings filling in the open areas.																																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>35</td><td>Pole/Sapling</td><td>6</td><td>50</td></tr><tr><td>Quaking Aspen</td><td>10</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>17</td><td>Pole/Sapling</td><td>7</td><td>50</td></tr><tr><td>Red Maple</td><td>25</td><td>Pole/Sapling</td><td>6</td><td>50</td></tr><tr><td>Red Oak</td><td>3</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>White Pine</td><td>10</td><td>Pole/Sapling</td><td>5</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	35	Pole/Sapling	6	50	Quaking Aspen	10	Pole	8		Bigtooth Aspen	17	Pole/Sapling	7	50	Red Maple	25	Pole/Sapling	6	50	Red Oak	3	Pole/Sapling	6		White Pine	10	Pole/Sapling	5		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Cherry</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Quaking Aspen</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Variable	Black Cherry	Medium	Variable	Variable	Red Maple	Medium	Variable	Variable	Sugar Maple	Low	Variable	Variable	Quaking Aspen	Low	Variable	Variable			
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Black Cherry	35	Pole/Sapling	6	50																																																													
Quaking Aspen	10	Pole	8																																																														
Bigtooth Aspen	17	Pole/Sapling	7	50																																																													
Red Maple	25	Pole/Sapling	6	50																																																													
Red Oak	3	Pole/Sapling	6																																																														
White Pine	10	Pole/Sapling	5																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
White Pine	Medium	Variable	Variable																																																														
Black Cherry	Medium	Variable	Variable																																																														
Red Maple	Medium	Variable	Variable																																																														
Sugar Maple	Low	Variable	Variable																																																														
Quaking Aspen	Low	Variable	Variable																																																														
56	4139 - Aspen, Mixed Deciduous	Sapling Well	6.7	27	Immature	N/A	2016- Stand cut in 99. The aspen is ~ 25' tall and is well stocked. The southwestern part of the stand is more red maple and cherry that is 10-15' tall.																																																										
<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>Sapling</td><td>3</td><td>27</td></tr><tr><td>Red Maple</td><td>25</td><td>Sapling</td><td>3</td><td>27</td></tr><tr><td>Black Cherry</td><td>20</td><td>Sapling</td><td>3</td><td>27</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	55	Sapling	3	27	Red Maple	25	Sapling	3	27	Black Cherry	20	Sapling	3	27																																												
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Quaking Aspen	55	Sapling	3	27																																																													
Red Maple	25	Sapling	3	27																																																													
Black Cherry	20	Sapling	3	27																																																													
57	622 - Lowland Shrub	None	2.4			No																																																											
58	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	56.4	91	51-80	N/A	Stocking is variable. Seems to be generally less dense and smaller trees to the west. Some solid pockets of Cedar.																																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern White Cedar</td><td>30</td><td>Pole</td><td>8</td><td>91</td></tr><tr><td>Balsam Fir</td><td>20</td><td>Pole/Sapling</td><td>7</td><td></td></tr><tr><td>Red Maple</td><td>15</td><td>Pole</td><td>7</td><td></td></tr><tr><td>Paper Birch</td><td>10</td><td>Pole</td><td>7</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>Black Spruce</td><td>10</td><td>Pole</td><td>7</td><td>91</td></tr><tr><td>Tamarack</td><td>10</td><td>Pole</td><td>7</td><td>91</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	30	Pole	8	91	Balsam Fir	20	Pole/Sapling	7		Red Maple	15	Pole	7		Paper Birch	10	Pole	7		White Pine	5	Pole/Log	9		Black Spruce	10	Pole	7	91	Tamarack	10	Pole	7	91	<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>Variable</td><td>Variable</td></tr><tr><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable	Tag Alder	Medium	5 - 10 feet	5 - 10 feet										
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Northern White Cedar	30	Pole	8	91																																																													
Balsam Fir	20	Pole/Sapling	7																																																														
Red Maple	15	Pole	7																																																														
Paper Birch	10	Pole	7																																																														
White Pine	5	Pole/Log	9																																																														
Black Spruce	10	Pole	7	91																																																													
Tamarack	10	Pole	7	91																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Balsam Fir	Medium	Variable	Variable																																																														
Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																																														
59	4139 - Aspen, Mixed Deciduous	Sapling Well	3.4	27	Immature	N/A	2016- Cut in 1999. Trees are ~20' tall, good TPA.																																																										
<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>Sapling</td><td>3</td><td>27</td></tr><tr><td>Red Maple</td><td>25</td><td>Sapling</td><td>3</td><td>27</td></tr><tr><td>Black Cherry</td><td>15</td><td>Sapling</td><td>3</td><td>27</td></tr><tr><td>Balsam Fir</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	55	Sapling	3	27	Red Maple	25	Sapling	3	27	Black Cherry	15	Sapling	3	27	Balsam Fir	5	Sapling/Pole	4																																								
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Quaking Aspen	55	Sapling	3	27																																																													
Red Maple	25	Sapling	3	27																																																													
Black Cherry	15	Sapling	3	27																																																													
Balsam Fir	5	Sapling/Pole	4																																																														
61	320 - Upland Shrub	None	1.2			No	2021 -Updated stand comments not "managed oil/gas". SWEPI is not responsible for an additional surface restoration. R Merrick2016 - Old well site that has been planted to Autumn Olive. Well plugged in 2003.																																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
62	4112 - Maple, Beech, Cherry Association	Sapling Well	2.5	38	1-50	N/A	2026-																																											
<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>50</td><td>Sapling/Pole</td><td>4</td><td>38</td></tr><tr><td>Black Cherry</td><td>25</td><td>Pole/Sapling</td><td>5</td><td>38</td></tr><tr><td>Sugar Maple</td><td>25</td><td>Sapling/Pole</td><td>4</td><td>38</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	50	Sapling/Pole	4	38	Black Cherry	25	Pole/Sapling	5	38	Sugar Maple	25	Sapling/Pole	4	38	<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>Variable</td><td>Variable</td></tr><tr><td>Beech</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	Medium	Variable	Variable	Beech	Low	5 - 10 feet	5 - 10 feet												
Canopy Species	% Cover	Size Class	DBH	Age																																														
Red Maple	50	Sapling/Pole	4	38																																														
Black Cherry	25	Pole/Sapling	5	38																																														
Sugar Maple	25	Sapling/Pole	4	38																																														
Sub-Canopy Species	Density	Avg. Height	Size																																															
Red Maple	Medium	Variable	Variable																																															
Beech	Low	5 - 10 feet	5 - 10 feet																																															
63	42110 - Planted Red Pine	Poletimber Well	16.8	64	111-140	N/A	2026- BAs: 120, 110, 1202022- June 2022 - Sale was Harvested "Hog Road Mix" Sale number 61-123-18-012016- There is some scattered cherry. Mostly 5 stick trees. A bit of hardwood in the understory, mostly along the edge of the st 78. Canopy is still pretty closed in. BAs 200, 150, 130, 150.2011- OPIC - FMD: 3/17/2011 Stand row thinned, Wood Rd Red (sc).																																											
<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>97</td><td>Pole/Log</td><td>9</td><td>64</td></tr><tr><td>Black Cherry</td><td>3</td><td>Log/Pole</td><td>10</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	97	Pole/Log	9	64	Black Cherry	3	Log/Pole	10		<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>Black Cherry</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Sugar Maple</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</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	Black Cherry	Trace	5 - 10 feet	5 - 10 feet	Sugar Maple	Trace	5 - 10 feet	5 - 10 feet	Beech	Medium	5 - 10 feet	5 - 10 feet									
Canopy Species	% Cover	Size Class	DBH	Age																																														
Red Pine	97	Pole/Log	9	64																																														
Black Cherry	3	Log/Pole	10																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
Red Maple	Low	5 - 10 feet	5 - 10 feet																																															
Black Cherry	Trace	5 - 10 feet	5 - 10 feet																																															
Sugar Maple	Trace	5 - 10 feet	5 - 10 feet																																															
Beech	Medium	5 - 10 feet	5 - 10 feet																																															
64	4112 - Maple, Beech, Cherry Association	Poletimber Well	23.7	89	111-140	N/A	2016 - Medium quality stand. Several M3 pockets of 3-4" red maple. Balsam fir on the edges of the stand. Looks like part of the stand was cut before?																																											
<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>65</td><td>Pole/Sap/Log</td><td>8</td><td>89</td></tr><tr><td>Black Cherry</td><td>25</td><td>Pole</td><td>9</td><td></td></tr><tr><td>Balsam Fir</td><td>10</td><td>Pole/Sapling</td><td>7</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	65	Pole/Sap/Log	8	89	Black Cherry	25	Pole	9		Balsam Fir	10	Pole/Sapling	7		<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>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable	Red Maple	Low	Variable	Variable												
Canopy Species	% Cover	Size Class	DBH	Age																																														
Red Maple	65	Pole/Sap/Log	8	89																																														
Black Cherry	25	Pole	9																																															
Balsam Fir	10	Pole/Sapling	7																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
Balsam Fir	Medium	Variable	Variable																																															
Red Maple	Low	Variable	Variable																																															
66	4112 - Maple, Beech, Cherry Association	Poletimber Well	4.7	53	51-80	N/A	2026- Maple starting to establish in the understory. 2013- OPIC - FMD: Stand was cut and getting some aspen sprouting (61-046-08-01) 10/21/13. Stand had just the aspen removed.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>30</td><td>Pole/Sapling</td><td>6</td><td>53</td></tr><tr><td>Red Maple</td><td>50</td><td>Pole/Sapling</td><td>6</td><td>53</td></tr><tr><td>Beech</td><td>20</td><td>Pole/Sapling</td><td>5</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	30	Pole/Sapling	6	53	Red Maple	50	Pole/Sapling	6	53	Beech	20	Pole/Sapling	5		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Quaking Aspen</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Sugar Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Trace	5 - 10 feet	5 - 10 feet	Beech	Low	5 - 10 feet	5 - 10 feet	Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet	Sugar Maple	Low	5 - 10 feet	5 - 10 feet	Red Maple	Medium	10 - 20 feet	10 - 20 feet
Canopy Species	% Cover	Size Class	DBH	Age																																														
Sugar Maple	30	Pole/Sapling	6	53																																														
Red Maple	50	Pole/Sapling	6	53																																														
Beech	20	Pole/Sapling	5																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
Balsam Fir	Trace	5 - 10 feet	5 - 10 feet																																															
Beech	Low	5 - 10 feet	5 - 10 feet																																															
Quaking Aspen	Medium	10 - 20 feet	10 - 20 feet																																															
Sugar Maple	Low	5 - 10 feet	5 - 10 feet																																															
Red Maple	Medium	10 - 20 feet	10 - 20 feet																																															
68	500 - Water	None	16.2			No	OPIC - FMD: Farrar Lake - Headwaters of N. Branch of Boardman River																																											
69	622 - Lowland Shrub	None	0.7			No																																												
70	622 - Lowland Shrub	None	8.3			No	OPIC - FMD: Some water in areas. Mostly birch and red maple with scattered white pine and a small pocket of tamarack.																																											
			<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																				
Sub-Canopy Species	Density	Avg. Height	Size																																															
Tag Alder	Medium	5 - 10 feet	5 - 10 feet																																															





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																									
76	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	14.4	40	1-50	N/A	2016 - Drainage running through stand. Most of the ash looks dead, lots of birch coming in. Trees are 20-30' tall. Scattered cedar pole timber. South end has more of a fir component.																																																																									
<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>30</td><td>Sapling/Pole</td><td>3</td><td>40</td></tr><tr><td>Yellow Birch</td><td>20</td><td>Sapling/Pole</td><td>3</td><td></td></tr><tr><td>Northern White Cedar</td><td>15</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Black Ash</td><td>10</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Hemlock</td><td>5</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Sapling/Pole</td><td>3</td><td></td></tr><tr><td>Balsam Fir</td><td>10</td><td>Sapling/Pole</td><td>3</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	30	Sapling/Pole	3	40	Yellow Birch	20	Sapling/Pole	3		Northern White Cedar	15	Pole	6		Black Ash	10	Pole/Sapling	5		Hemlock	5	Pole	8		Red Maple	10	Sapling/Pole	3		Balsam Fir	10	Sapling/Pole	3		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tag Alder</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Low	5 - 10 feet	5 - 10 feet	Balsam Fir	Low	Variable	Variable																									
Canopy Species	% Cover	Size Class	DBH	Age																																																																												
Paper Birch	30	Sapling/Pole	3	40																																																																												
Yellow Birch	20	Sapling/Pole	3																																																																													
Northern White Cedar	15	Pole	6																																																																													
Black Ash	10	Pole/Sapling	5																																																																													
Hemlock	5	Pole	8																																																																													
Red Maple	10	Sapling/Pole	3																																																																													
Balsam Fir	10	Sapling/Pole	3																																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																																													
Tag Alder	Low	5 - 10 feet	5 - 10 feet																																																																													
Balsam Fir	Low	Variable	Variable																																																																													
78	4112 - Maple, Beech, Cherry Association	Sawtimber Well	249.0	89	81-110	N/A	2026 - Lower quality timber on the west end of the stand, primarily red maple, Transitions to higher quality sugar maple to the east. Wind throw has created some canopy gaps on the hill tops. Small pockets of maple and cherry regen but the understory is dominated by beech and ironwood.2016 - Some scattered hemlock, mostly on the eastern edge. Good quality timber. Some heavy wind damage on the hills in the north part of the stand (estimated a couple of 2-3 acres pockets) Some cherry and sugar maple in the understory but mostly a heavy flush of beech ironwood and blackberry. 2011 - OPIC - FMD: 9/6/11 stand thinned down to 80sqft 'Bit up Hwds'.																																																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>30</td><td>Log/Pole</td><td>10</td><td>89</td></tr><tr><td>Red Maple</td><td>48</td><td>Log/Pole</td><td>12</td><td>89</td></tr><tr><td>Black Cherry</td><td>10</td><td>Log/Pole</td><td>10</td><td>89</td></tr><tr><td>Beech</td><td>4</td><td>Pole/Log</td><td>8</td><td></td></tr><tr><td>Balsam Fir</td><td>2</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>2</td><td>Log/Pole</td><td>12</td><td></td></tr><tr><td>Hemlock</td><td>2</td><td>Log</td><td>13</td><td>89</td></tr><tr><td>White Pine</td><td>2</td><td>Log/Pole</td><td>12</td><td>89</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	30	Log/Pole	10	89	Red Maple	48	Log/Pole	12	89	Black Cherry	10	Log/Pole	10	89	Beech	4	Pole/Log	8		Balsam Fir	2	Pole/Sapling	6		Bigtooth Aspen	2	Log/Pole	12		Hemlock	2	Log	13	89	White Pine	2	Log/Pole	12	89	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Ironwood</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Quaking Aspen</td><td>Trace</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Black Cherry</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Balsam Fir</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Ironwood	Medium	5 - 10 feet	5 - 10 feet	Red Maple	Low	10 - 20 feet	10 - 20 feet	Quaking Aspen	Trace	10 - 20 feet	10 - 20 feet	Black Cherry	Trace	5 - 10 feet	5 - 10 feet	Balsam Fir	Trace	Variable	Variable	Sugar Maple	Low	5 - 10 feet	5 - 10 feet	Beech	High	5 - 10 feet	5 - 10 feet
Canopy Species	% Cover	Size Class	DBH	Age																																																																												
Sugar Maple	30	Log/Pole	10	89																																																																												
Red Maple	48	Log/Pole	12	89																																																																												
Black Cherry	10	Log/Pole	10	89																																																																												
Beech	4	Pole/Log	8																																																																													
Balsam Fir	2	Pole/Sapling	6																																																																													
Bigtooth Aspen	2	Log/Pole	12																																																																													
Hemlock	2	Log	13	89																																																																												
White Pine	2	Log/Pole	12	89																																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																																													
Ironwood	Medium	5 - 10 feet	5 - 10 feet																																																																													
Red Maple	Low	10 - 20 feet	10 - 20 feet																																																																													
Quaking Aspen	Trace	10 - 20 feet	10 - 20 feet																																																																													
Black Cherry	Trace	5 - 10 feet	5 - 10 feet																																																																													
Balsam Fir	Trace	Variable	Variable																																																																													
Sugar Maple	Low	5 - 10 feet	5 - 10 feet																																																																													
Beech	High	5 - 10 feet	5 - 10 feet																																																																													
79	4130 - Aspen	Sapling Well	18.1	15	Immature	N/A	2026- Stand is very well stocked. Hardwoods mixed in, especially along the east edge.2016 - Trees are coming along well, ~ 10' tall2011- OPIC - FMD: 10-21-13 stand was cut in 2011 and is regenerating well. The north end seems to be progressing slower (61-046-08-01.)																																																																									
<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>60</td><td>Sapling</td><td>2</td><td>15</td></tr><tr><td>Red Maple</td><td>10</td><td>Sapling</td><td>1</td><td>15</td></tr><tr><td>Balsam Fir</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Sapling</td><td>2</td><td>15</td></tr><tr><td>Beech</td><td>5</td><td>Sapling</td><td>1</td><td>15</td></tr><tr><td>Sugar Maple</td><td>10</td><td>Sapling</td><td>1</td><td>15</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	60	Sapling	2	15	Red Maple	10	Sapling	1	15	Balsam Fir	10	Sapling	1		Black Cherry	5	Sapling	2	15	Beech	5	Sapling	1	15	Sugar Maple	10	Sapling	1	15																																												
Canopy Species	% Cover	Size Class	DBH	Age																																																																												
Quaking Aspen	60	Sapling	2	15																																																																												
Red Maple	10	Sapling	1	15																																																																												
Balsam Fir	10	Sapling	1																																																																													
Black Cherry	5	Sapling	2	15																																																																												
Beech	5	Sapling	1	15																																																																												
Sugar Maple	10	Sapling	1	15																																																																												
81	500 - Water	None	6.1			No	OPIC - FMD: Little Wheeler Lake.																																																																									



</



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																								
90	623 - Emergent Wetland	None	1.3			No	vernal pond																																																																								
91	6120 - Lowland Cedar	Poletimber Well	1.3	99	51-80	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>Northern White Cedar</td><td>70</td><td>Pole</td><td>7</td><td>99</td><td>Balsam Fir</td><td>Medium</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></td><td></td><td></td><td></td><td></td></tr><tr><td>Hemlock</td><td>10</td><td>Pole</td><td>6</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	Northern White Cedar	70	Pole	7	99	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet	Red Maple	20	Pole	8						Hemlock	10	Pole	6																																									
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																																							
Northern White Cedar	70	Pole	7	99	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet																																																																							
Red Maple	20	Pole	8																																																																												
Hemlock	10	Pole	6																																																																												
92	4119 - Mixed Northern Hardwoods	Poletimber Well	4.4	89	81-110	N/A	2016 - 5 Acres of hardwoods that has private property on one side and swamp on the other. We might be able to do a select cut if the neighbors harvest their property.																																																																								
93	6120 - Lowland Cedar	Poletimber Well	41.1	100	81-110	N/A	2026 - Stocking is less dense in the south east portion of the stand, with heavy tag alder. 2016 - Nice dense cedar on the exterior part of the stand. More of a tamarack and spruce mix closer to the pond.																																																																								
<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>Northern White Cedar</td><td>60</td><td>Pole</td><td>8</td><td>100</td><td>Hemlock</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>10</td><td>Pole</td><td>8</td><td></td><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Hemlock</td><td>10</td><td>Pole</td><td>8</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Black Spruce</td><td>10</td><td>Pole</td><td>8</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Tamarack</td><td>10</td><td>Pole</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	Northern White Cedar	60	Pole	8	100	Hemlock	Low	5 - 10 feet	5 - 10 feet	Red Maple	10	Pole	8		Balsam Fir	Low	5 - 10 feet	5 - 10 feet	Hemlock	10	Pole	8						Black Spruce	10	Pole	8						Tamarack	10	Pole	8																							
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																																							
Northern White Cedar	60	Pole	8	100	Hemlock	Low	5 - 10 feet	5 - 10 feet																																																																							
Red Maple	10	Pole	8		Balsam Fir	Low	5 - 10 feet	5 - 10 feet																																																																							
Hemlock	10	Pole	8																																																																												
Black Spruce	10	Pole	8																																																																												
Tamarack	10	Pole	8																																																																												
94	629 - Mixed non-forested Wetland	None	3.4			No																																																																									
95	500 - Water	None	1.6			No																																																																									
96	622 - Lowland Shrub	None	4.0			No																																																																									
97	4112 - Maple, Beech, Cherry Association	Sawtimber Well	36.0	89	81-110	N/A	2026- BAs: 100, 90, 100, 80A fair amount of hemlock in the northern part of the stand. Stand could be merged with 101. South half of stand has a lot of beech establishing in the understory.2022 - Sale was select cut as part of Outpost Hardwoods Sale Number 61-144-18.2016 - Hemlock along the northern edge where is adjacent to the swamp. Looks like stand was thinned before but can't find any record of harvest. Nice species diversity. Some sugar maple in the understory :) BAs 130, 110, 140.																																																																								
<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 Maple</td><td>45</td><td>Log/Pole</td><td>13</td><td>89</td><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Black Cherry</td><td>13</td><td>Log/Pole</td><td>12</td><td>89</td><td>Sugar Maple</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Sugar Maple</td><td>25</td><td>Log/Pole</td><td>11</td><td>89</td><td>Ironwood</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Basswood</td><td>8</td><td>Log/Pole</td><td>12</td><td></td><td>Beech</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Yellow Birch</td><td>4</td><td>Pole/Log</td><td>9</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Beech</td><td>2</td><td>Log/Pole</td><td>12</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Hemlock</td><td>3</td><td>Log/Pole</td><td>10</td><td>89</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 Maple	45	Log/Pole	13	89	Red Maple	Low	5 - 10 feet	5 - 10 feet	Black Cherry	13	Log/Pole	12	89	Sugar Maple	Trace	5 - 10 feet	5 - 10 feet	Sugar Maple	25	Log/Pole	11	89	Ironwood	Low	5 - 10 feet	5 - 10 feet	Basswood	8	Log/Pole	12		Beech	Medium	5 - 10 feet	5 - 10 feet	Yellow Birch	4	Pole/Log	9						Beech	2	Log/Pole	12						Hemlock	3	Log/Pole	10	89				
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																																							
Red Maple	45	Log/Pole	13	89	Red Maple	Low	5 - 10 feet	5 - 10 feet																																																																							
Black Cherry	13	Log/Pole	12	89	Sugar Maple	Trace	5 - 10 feet	5 - 10 feet																																																																							
Sugar Maple	25	Log/Pole	11	89	Ironwood	Low	5 - 10 feet	5 - 10 feet																																																																							
Basswood	8	Log/Pole	12		Beech	Medium	5 - 10 feet	5 - 10 feet																																																																							
Yellow Birch	4	Pole/Log	9																																																																												
Beech	2	Log/Pole	12																																																																												
Hemlock	3	Log/Pole	10	89																																																																											



MICHIGAN







MICHIGAN

Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
119	4111 - S.Maple, Hard Mast Association	Sawtimber	Well	1.2	89	111-140	N/A	2026 - Small pocket of hardwood. Nice quality maple and aspen.																																																															
<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>Sugar Maple</td><td>60</td><td>Log/Pole</td><td>11</td><td>89</td><td>Beech</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>20</td><td>Log/Pole</td><td>12</td><td>89</td><td>Ironwood</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>10</td><td>Log/Pole</td><td>11</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Log/Pole</td><td>12</td><td>89</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	Sugar Maple	60	Log/Pole	11	89	Beech	Medium	5 - 10 feet	5 - 10 feet	Red Maple	20	Log/Pole	12	89	Ironwood	Low	5 - 10 feet	5 - 10 feet	Beech	10	Log/Pole	11						Bigtooth Aspen	10	Log/Pole	12	89																						
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																															
Sugar Maple	60	Log/Pole	11	89	Beech	Medium	5 - 10 feet	5 - 10 feet																																																															
Red Maple	20	Log/Pole	12	89	Ironwood	Low	5 - 10 feet	5 - 10 feet																																																															
Beech	10	Log/Pole	11																																																																				
Bigtooth Aspen	10	Log/Pole	12	89																																																																			
120	622 - Lowland Shrub		None	0.5			No																																																																
121	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber	Medium	1.1	86	51-80	N/A	2026- Some nice hemlock and yellow birch.																																																															
<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>Northern White Cedar</td><td>15</td><td>Pole</td><td>7</td><td>86</td><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Fir</td><td>15</td><td>Pole</td><td>7</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>10</td><td>Pole</td><td>7</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Paper Birch</td><td>15</td><td>Pole</td><td>7</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Yellow Birch</td><td>5</td><td>Pole/Sapling</td><td>7</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Hemlock</td><td>40</td><td>Pole</td><td>8</td><td>86</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	Northern White Cedar	15	Pole	7	86	Red Maple	Low	Variable	Variable	Balsam Fir	15	Pole	7		Tag Alder	Low	5 - 10 feet	5 - 10 feet	Red Maple	10	Pole	7						Paper Birch	15	Pole	7						Yellow Birch	5	Pole/Sapling	7						Hemlock	40	Pole	8	86				
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																															
Northern White Cedar	15	Pole	7	86	Red Maple	Low	Variable	Variable																																																															
Balsam Fir	15	Pole	7		Tag Alder	Low	5 - 10 feet	5 - 10 feet																																																															
Red Maple	10	Pole	7																																																																				
Paper Birch	15	Pole	7																																																																				
Yellow Birch	5	Pole/Sapling	7																																																																				
Hemlock	40	Pole	8	86																																																																			
122	4130 - Aspen	Poletimber	Well	25.3	37	81-110	N/A	2026- Healthy stand, red maple filling in the understory.2016- Stand is converting to a poles stand. Will be an A6 next time around. Bigtooth in spots is 30-40' tall and has merchantable timber but still lots of A3 pockets throughout. OPIC - FMD: Sale #64-87.																																																															
<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>Bigtooth Aspen</td><td>10</td><td>Pole/Sapling</td><td>6</td><td>37</td><td>Balsam Fir</td><td>Low</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Quaking Aspen</td><td>60</td><td>Pole/Sapling</td><td>6</td><td>37</td><td>Sugar Maple</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Maple</td><td>15</td><td>Sapling/Pole</td><td>4</td><td>37</td><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Black Cherry</td><td>7</td><td>Pole/Sapling</td><td>5</td><td>37</td><td>Black Cherry</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Hemlock</td><td>3</td><td>Pole/Log</td><td>9</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td>Pole/Sapling</td><td>5</td><td>37</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	Bigtooth Aspen	10	Pole/Sapling	6	37	Balsam Fir	Low	>20 feet	>20 feet	Quaking Aspen	60	Pole/Sapling	6	37	Sugar Maple	Low	10 - 20 feet	10 - 20 feet	Red Maple	15	Sapling/Pole	4	37	Red Maple	Medium	>20 feet	>20 feet	Black Cherry	7	Pole/Sapling	5	37	Black Cherry	Low	10 - 20 feet	10 - 20 feet	Hemlock	3	Pole/Log	9						Paper Birch	5	Pole/Sapling	5	37				
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																															
Bigtooth Aspen	10	Pole/Sapling	6	37	Balsam Fir	Low	>20 feet	>20 feet																																																															
Quaking Aspen	60	Pole/Sapling	6	37	Sugar Maple	Low	10 - 20 feet	10 - 20 feet																																																															
Red Maple	15	Sapling/Pole	4	37	Red Maple	Medium	>20 feet	>20 feet																																																															
Black Cherry	7	Pole/Sapling	5	37	Black Cherry	Low	10 - 20 feet	10 - 20 feet																																																															
Hemlock	3	Pole/Log	9																																																																				
Paper Birch	5	Pole/Sapling	5	37																																																																			
123	4116 - Mixed N. Hardwood - Aspen	Sawtimber	Medium	2.2	83	81-110	N/A	2026 - Some hemlock and fir present too. Stand is a nice buffer for the Lake.																																																															
<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>Beech</td><td>15</td><td>Log/Pole</td><td>11</td><td></td><td>Balsam Fir</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Maple</td><td>50</td><td>Log/Pole</td><td>11</td><td>83</td><td>Beech</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Bigtooth Aspen</td><td>20</td><td>Log/Pole</td><td>10</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Sugar Maple</td><td>10</td><td>Log/Pole</td><td>10</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Yellow Birch</td><td>5</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	Beech	15	Log/Pole	11		Balsam Fir	Medium	5 - 10 feet	5 - 10 feet	Red Maple	50	Log/Pole	11	83	Beech	Medium	5 - 10 feet	5 - 10 feet	Bigtooth Aspen	20	Log/Pole	10						Sugar Maple	10	Log/Pole	10						Yellow Birch	5	Log/Pole	10														
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																															
Beech	15	Log/Pole	11		Balsam Fir	Medium	5 - 10 feet	5 - 10 feet																																																															
Red Maple	50	Log/Pole	11	83	Beech	Medium	5 - 10 feet	5 - 10 feet																																																															
Bigtooth Aspen	20	Log/Pole	10																																																																				
Sugar Maple	10	Log/Pole	10																																																																				
Yellow Birch	5	Log/Pole	10																																																																				
124	622 - Lowland Shrub		None	2.0			No																																																																
125	622 - Lowland Shrub		None	1.3			No																																																																



<



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
402	330 - Low-Density Trees	None	0.9			No	
403	330 - Low-Density Trees	None	1.2			No	
404	3104 - Degraded	None	1.6			No	2021 - Updated stand data not "managed oil/gas". Jordan Development is not responsible for any further surface restoration. R Merrick2016 - Old well pad, plugged in 2006, in need of rehab.
405	330 - Low-Density Trees	None	1.3			No	Old well pad, plugged in 1976.
407	310 - Herbaceous Openland	None	17.3			No	OPIC - FMD: pipeline, Some areas of low ground.
408	310 - Herbaceous Openland	None	1.4			No	2021 - Updated stand data not "managed oil/gas". Merit is not responsible for any additional surface restoration. R Merrick2016 - State Rapid River A3-25, plugged in 2010, in need of rehab.
411	310 - Herbaceous Openland	None	1.0			No	2021 -Updated stand data not "managed oil/gas". Merit is not responsible for nay additional surface restoration. 2016 -Merit Energy State Coldsprings A2-30. Plugged in 2013.
412	710 - Sand, Soil	None	1.3				2016 - Active well pad. State Coldsprings 2-30.
414	310 - Herbaceous Openland	None	1.3			No	Pipeline and powerline
415	310 - Herbaceous Openland	None	1.6				OPIC - FMD: Merit Energy State Coldsprings 3-30A. Temporarily abandoned.
416	3104 - Degraded	None	2.6			No	2021- Updated stand data not "managed oil/gas". Sampson Resources is not responsible for any additional surface restoration. R Merrick2016-OPIC - FMD: State Coldsprings 1-30B. Samson Resources, last well on this pad was plugged in 2006, in need of rehab.
417	310 - Herbaceous Openland	None	1.9			Yes	2026- Old well pad, starting to fill in with white pine and cherry.
418	310 - Herbaceous Openland	None	1.0			No	2016 - Old well pad, plugged in 1977. Used as a landing when stand 101 was cut in 2011.
420	310 - Herbaceous Openland	None	11.1			No	Pipeline and road ROW, west part is on low ground and is more lowland shrub.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
421	310 - Herbaceous Openland	None	2.0			No	Old well pad, plugged in 1974.