



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63131

Entry Year 2027

Acreage: 2,284

County: Wexford

Management Area: Kalkaska Sandy Moraines

Stand Examiner: Joel Taylor

Legal Description:

T24N R11W, Sections 10, 11, 14, 15, 21, 22, 23, 26, 27, 28

Identified Planning Goals:

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

Soil and topography:

Level to slightly rolling topography throughout the Compartment, with steep ravines along Anderson creek and a steep well defined bluff above the Manistee river.

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

Sections 10 and 11 are a patchwork of state forest and private land. The private lands have are a mixture of forested and non-forested land, with some fields and Christmas trees. Section 15 is half state forest with private lands being mostly forested. Sections 14, 22, 23, and 27 are solid state ownership.

Unique Natural Features:

Wood turtle, Blanding's turtle (*Emys blandingii*, state special concern), and eastern massasauga (*Sistrurus catenatus catenatus*, state special concern) could occur in stands of swamp conifer and swamp hardwoods associated with the Manistee River and Anderson Creek. Great blue heron rookeries could occur in the swamp hardwood, swamp conifer and swamp hardwood habitat. A great blue heron rookery is known from southeast of the compartment. Bald eagle (*Haliaeetus leucocephalus*, state threatened, federally threatened) and osprey (*Pandion haliaetus*, state threatened) could potentially occur within the compartment in upland conifer and lowland conifer if suitable nesting trees/snags are available. Eastern box turtle (*Terrapene carolina carolina*, state special concern) could occur throughout the compartment. Red-shouldered hawk (*Buteo lineatus*, state threatened) and northern goshawk (*Accipiter gentilis*, state special concern) could occur in this compartment in northern hardwoods, oak, mature aspen, swamp hardwoods (red-shouldered hawk), swamp conifer (red-shouldered hawk), and pine stands (goshawk, including plantations). When marking prescribed stands for timber sale, please be observant for stick nests and territorial hawks or goshawks. Limestone oak fern (*Gymnocarpium robertianum*, state threatened), round-leaved orchid (*Amerorchis rotundifolia*, state endangered), ram's head lady's-slipper (*Cypripedium arietinum*, state special concern), and calypso orchid (*Calypso bulbosa*, state threatened) could potentially occur within the cedar swamp in the northwest of the compartment. The slopes above of the Manistee River harbor potential for ginseng.

Archeological, Historical, and Cultural Features:

Prehistoric camps and earthwork are in the area. The Indian trail from the Cadillac area to Grand Traverse Bay is also in the vicinity.

Special Management Designations or Considerations:

The Manistee River which serves as the southern border of this compartment. It is managed under a MOU as a natural river and the restrictions which go along with that designation are applied to all treatments. Anderson Creek which is a tributary to the Manistee river runs N/S through the compartment also.

Watershed and Fisheries Considerations:

Anderson Creek flows south through this compartment, while the mainstream of the Manistee is the south boundary of the compartment. While the state natural river designation ends at the Missaukee/Wexford County line, Fisheries, Forest Management, and Wildlife Division entered into an agreement to adopt and utilize the Upper Manistee River state natural

river zoning ordinance. Anderson Creek, a designated trout stream, has a long history of beaver activity, which has had an adverse impact on trout populations. On Anderson Creek the vegetative buffer would be 100 feet for slopes 0-10%, 115 feet for slopes 11-20%, 135 feet for slopes 21-32%, and 155 feet for slopes 33+%, unless one of the eight exceptions are met. The vegetative buffer on the mainstream is 175 feet, again unless the proposed treatment met one of the exceptions (page 41 of the Upper Manistee River Natural River Plan).

Wildlife Habitat Considerations:

The Manistee River corridor and associated tributaries are valuable wildlife areas offering a good mixture of aspen, lowland hardwoods, upland hardwoods, mixed fruiting shrubs, and conifer cover providing valuable habitats for many wildlife species. These areas are heavily used by wintering deer. Featured species of special interest include deer, bear, woodcock, ruffed grouse, wood turtle and snowshoe hare. Timber sale specifications to benefit wildlife (where applicable) will include brush pile creation along lowland edges, protection of mast-bearing wildlife shrubs and ironwood, protection of standing dead snags, and creation of drumming logs (1-2 per acre) and woody debris (tops or whole trees) in aspen cuts. (E. Victory 6/2015)

Mineral Resource and Development Concerns and/or Restrictions

Sections 10, 11, 14, 15, 22, & 23, T24N R11W, Wexford County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have an economic use. There are some overgrown sand and gravel pits in the area, and potential appears to be good. This area lies south of the prolific Silurian Niagaran reef trend. There does not appear to be any potential for Niagaran reefs in this area. This area is not currently leased for oil and gas exploration, but active leases are located to the west.

Vehicle Access:

This compartment contains a good system of both county maintained roads and state owned two-tracks. Much of the area is easily accessible by vehicle through the existing road system, with additional trails leading to popular camping spots along the Manistee River. No new roads should be created within the compartment and any roads opened for logging access should be reclosed following harvest activities.

Survey Needs:

Corners are requested for 2027 YOY.

Recreational Facilities and Opportunities:

The North Country National Scenic Trail (NCNST) runs along the river bluff in Section 22 before crossing a foot bridge on Anderson Creek. From this point the NCNST follows the Manistee River edge into Section 23, before climbing back up the river bluff into Section 14 and exiting the compartment boundary. Trail protection specifications should be included in any timber sale potentially impacting this national trail. Specifically, appropriate measures identified in DNR Policy & Procedures "32.22XX" (Best Management Practices for Forest and Wildlife Management Adjacent to Recreational Trails) should be taken into consideration when setting up timber sales within this compartment. Scenic vistas are numerous along the river bluff that traverses sections 22 and 23. There are numerous opportunities for dispersed camping, canoeing, hunting, and fishing within this compartment. (T.M.N. 12/17/14)

Fire Protection:

Within this compartment there are numerous forest 2 tracks providing access to the compartment. Dispersed camping and recreationalists use this area causing a concern for abandon campfires. Access to the river lowland is very limited.

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**










Acres: 2,284 GIS Calculated
Examiner: Joel Taylor
Date Exported: 7/14/2025
Map Phase: Web Post












A scale bar with markings at 0, 0.5, and 1 mile. Below the bar is a legend with four colored squares: black, white, black, and white, followed by the word "Miles".

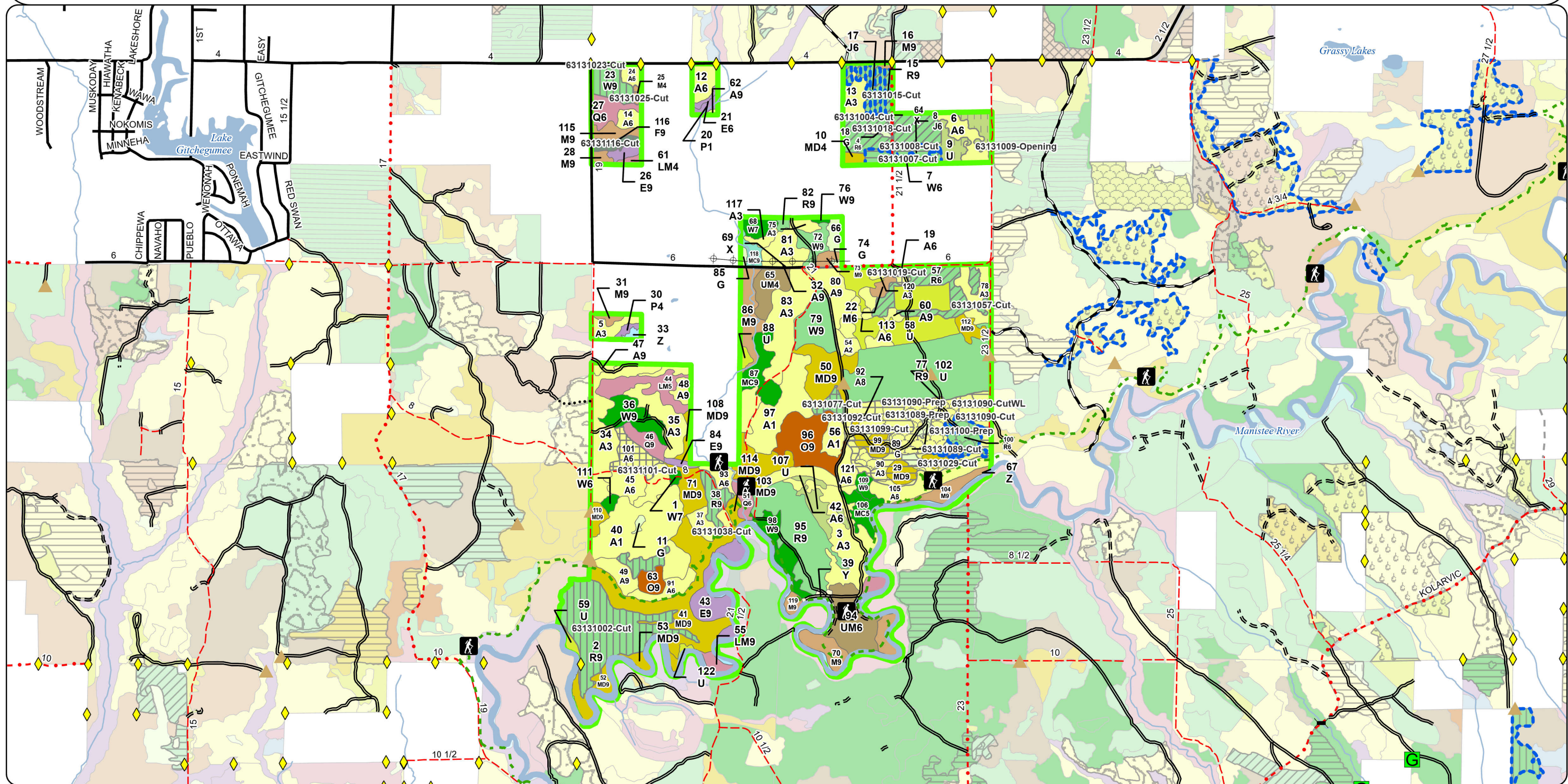
-  Survey Grade Corners
-  Berms
-  Gate
-  Bridges
-  Designated Hiking Pathways
-  DNR - Primary Forest Road
-  DNR - Secondary Forest Road
-  DNR - Forest Access Route
-  Federal / State / County - Paved Road

- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- • • • DNR - Management Access
- - - Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- ⊕ — Powerline

-  Compartment Boundary
-  Clearcut
-  Seed Tree
-  Shelterwood
-  Thinning
-  Other Harvest - See Comments
-  Site Prep
-  Openings Mgmt.
-  Treatments with Site Conditions

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 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 |
|  | 710 - Sand, Soil |



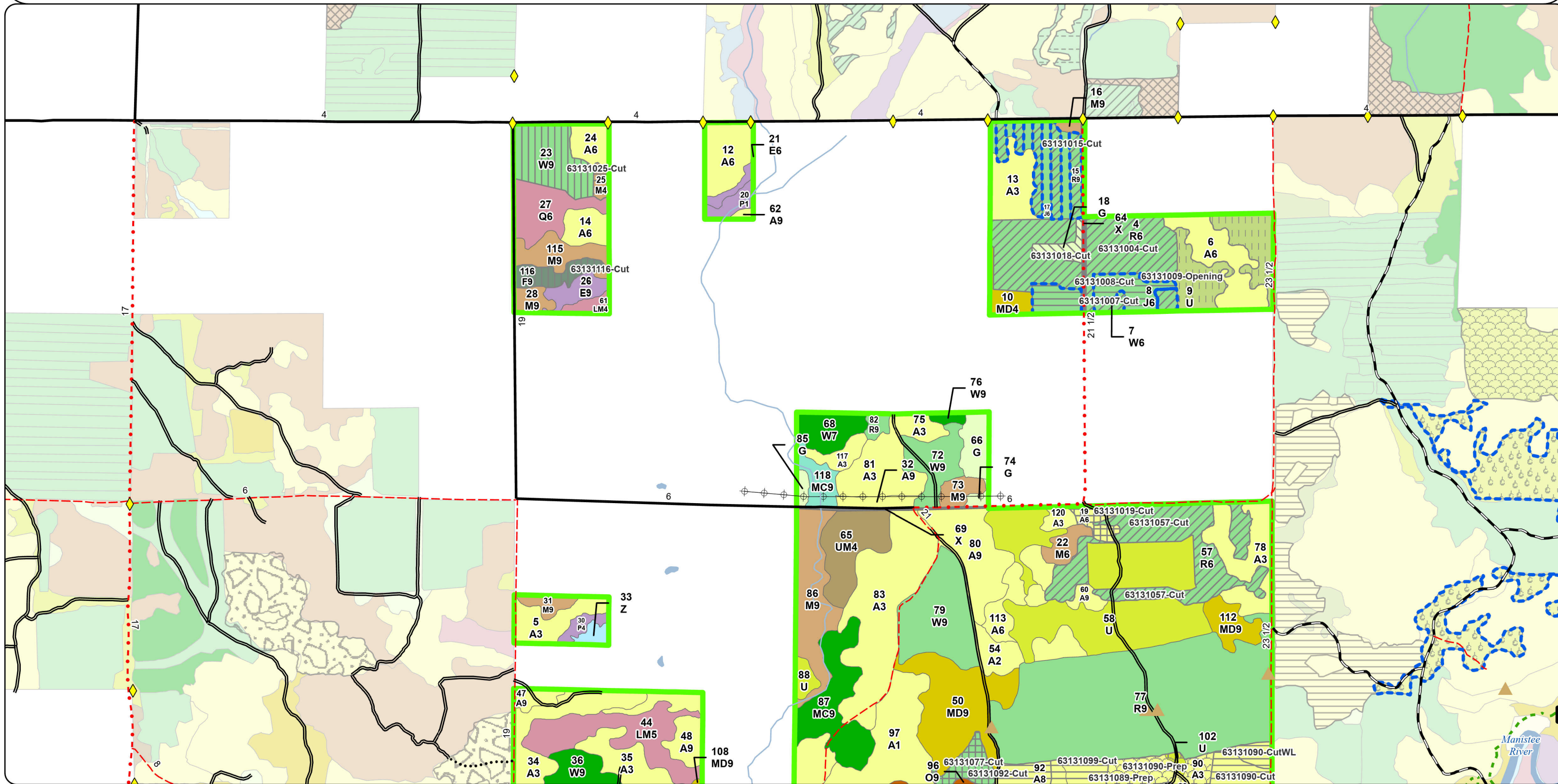
Cover Type & Treatments Map

Compartment: 63131
T24N, R09W Sec. 18-20, 29-30
County: Wexford
Unit: Cadillac
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2027
Acres: 2,284 GIS Calculated
Examiner: Joel Taylor
Date Exported: 7/14/2025
Map Phase: Web Post



0 0.5 1 Miles









- | | | | | |
|---------------------------------------|-------------------------------|---------------------------------|------------------------------|---------------------------------|
| Survey Grade Corners | County - Dirt Road (Seasonal) | Seed Tree | 412 - Oak Types | 500 - Water |
| Berms | DNR - Management Access | Shelterwood | 413 - Aspen | 611 - Lowland Deciduous Forest |
| Designated Hiking Pathways | Perennial River | Thinning | 419 - Mixed Upland Deciduous | 612 - Lowland Coniferous Forest |
| DNR - Primary Forest Road | Lakes and Rivers | Other Harvest - See Comments | 421 - Planted Pines | 613 - Lowland Mixed Forest |
| DNR - Secondary Forest Road | Counties | Site Prep | 422 - Natural Pines | 122 - Road/Parking Lot |
| DNR - Forest Access Route | Powerline | Openings Mgmt. | 423 - Other Upland Conifers | 310 - Herbaceous Openland |
| Federal / State / County - Paved Road | Compartment Boundary | Treatments with Site Conditions | 429 - Mixed Upland Conifers | 320 - Upland Shrub |
| County - Gravel Road | Clearcut | 411 - Northern Hardwood | 430 - Upland Mixed Forest | 330 - Low Density Trees |















0.5

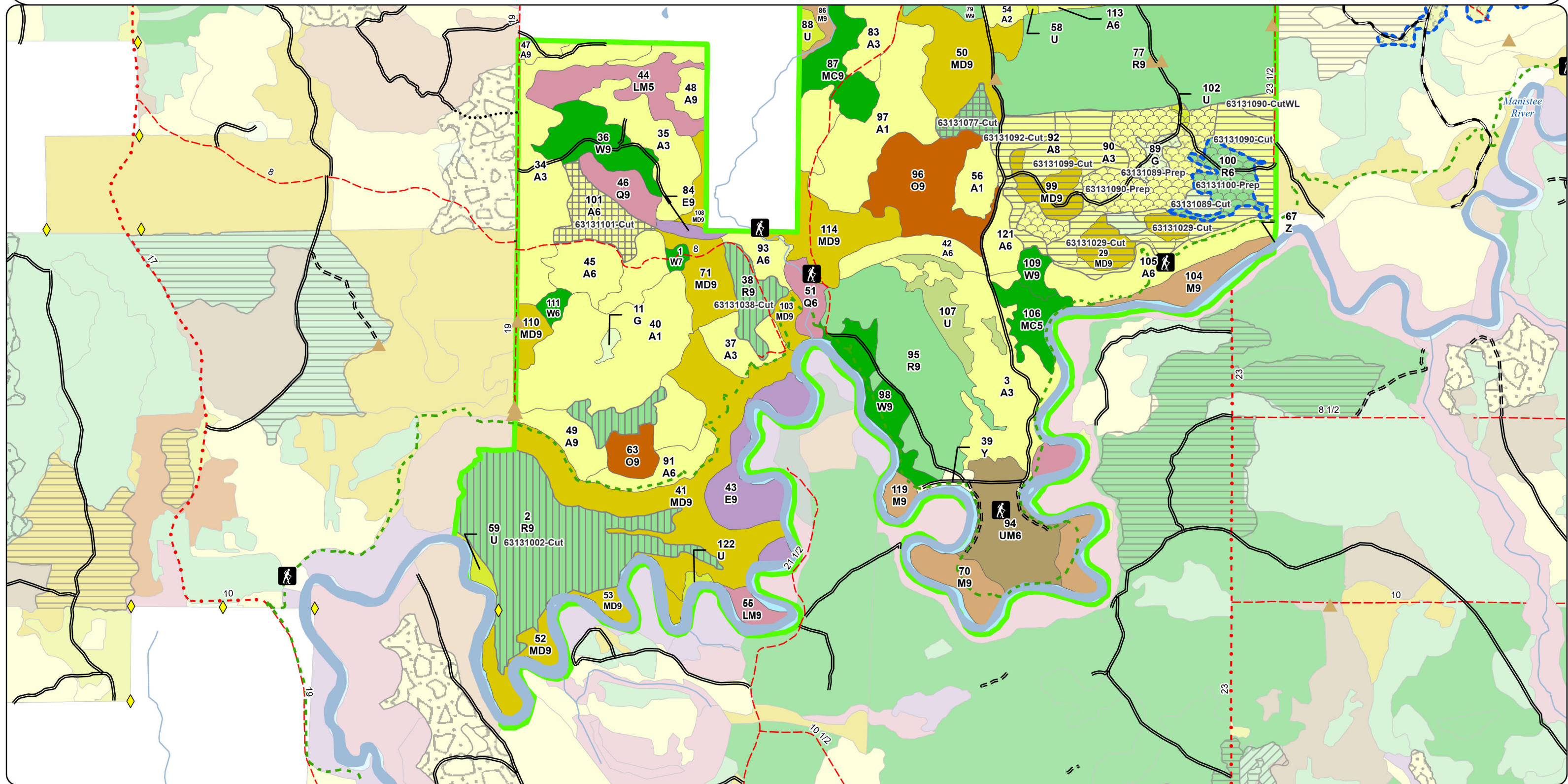
1
□ Miles

-  Survey Grade Corners
-  Berms
-  Designated Hiking Pathways
-  DNR - Primary Forest Road
-  DNR - Secondary Forest Road
-  DNR - Forest Access Route
-  Federal / State / County - Paved Road
-  County - Gravel Road

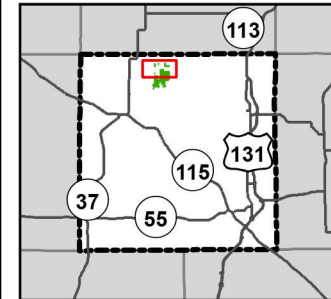
-  County - Dirt Road (Seasonal)
-  DNR - Management Access
-  Perennial River
-  Lakes and Rivers
-  Counties
-  Compartment Boundary
-  Clearcut
-  Seed Tree
-  Shelterwood

- 
- Legend:
- Site Prep
 - Treatments with Site Conditions
 - 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 430 - Upland Mixed Forest

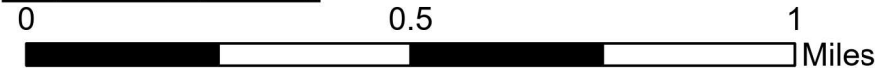
- | |
|---------------------------------|
| 500 - Water |
| 611 - Lowland Deciduous Forest |
| 612 - Lowland Coniferous Forest |
| 613 - Lowland Mixed Forest |
| 310 - Herbaceous Openland |
| 320 - Upland Shrub |
| 330 - Low Density Trees |
| 710 - Sand, Soil |



Stand Boundary Map

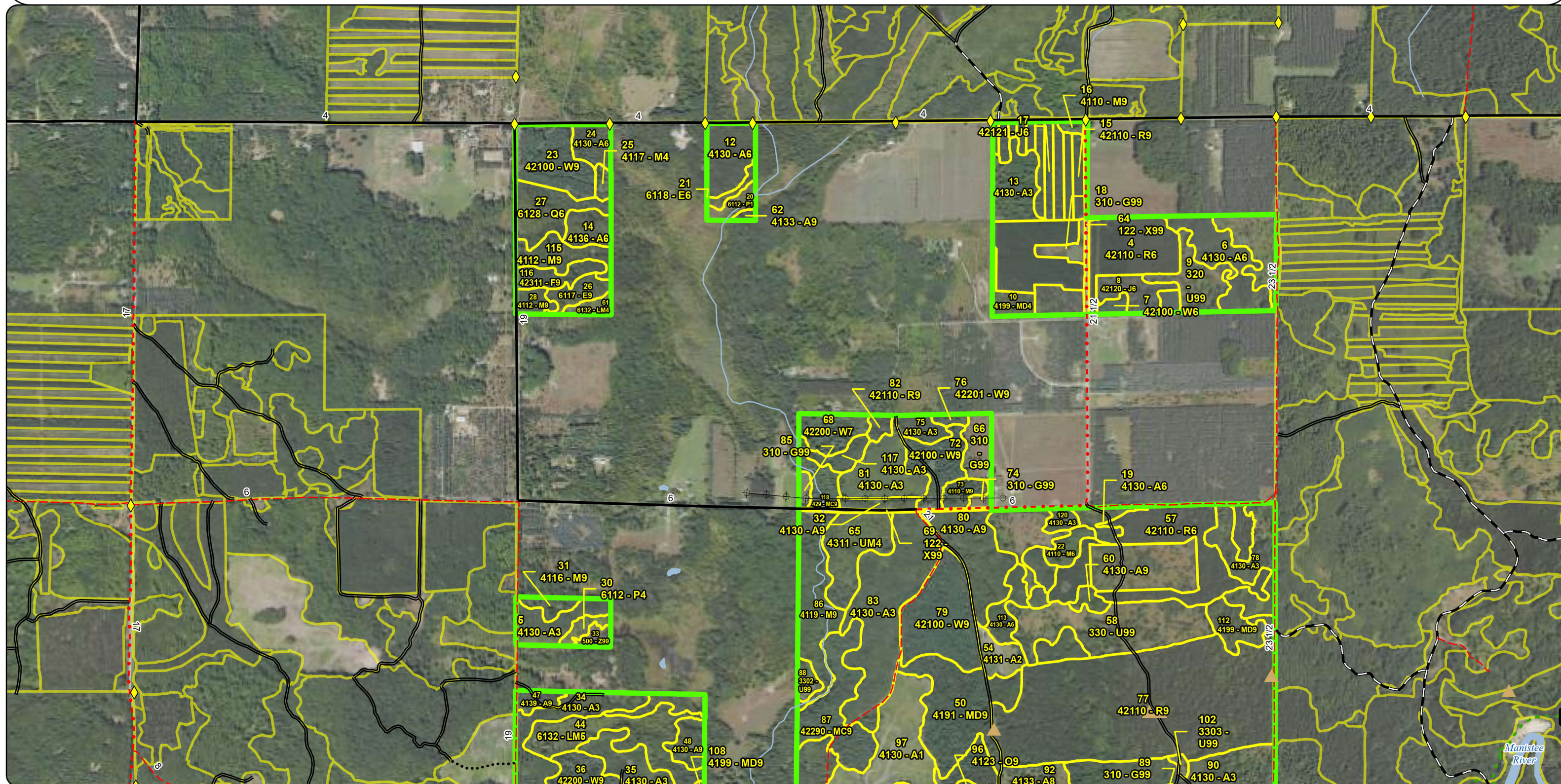


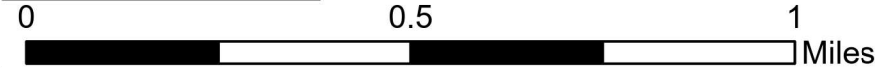
Compartment: 63131
T24N, R09W Sec. 18-20, 29-30
County: Wexford
Unit: Cadillac
Mgmt. Area: Kalkaska Sandy Moraines
YOE: 2027
Acres: 2,284 GIS Calculated
Examiner: Joel Taylor
Date Exported: 7/14/2025
Map Phase: Web Post

















- Survey Grade Corners
- Berms
- Designated Hiking Pathways
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- DNR - Management Access
- Perennial River
- Lakes and Rivers
- Counties
- Powerline
- Compartment Boundary

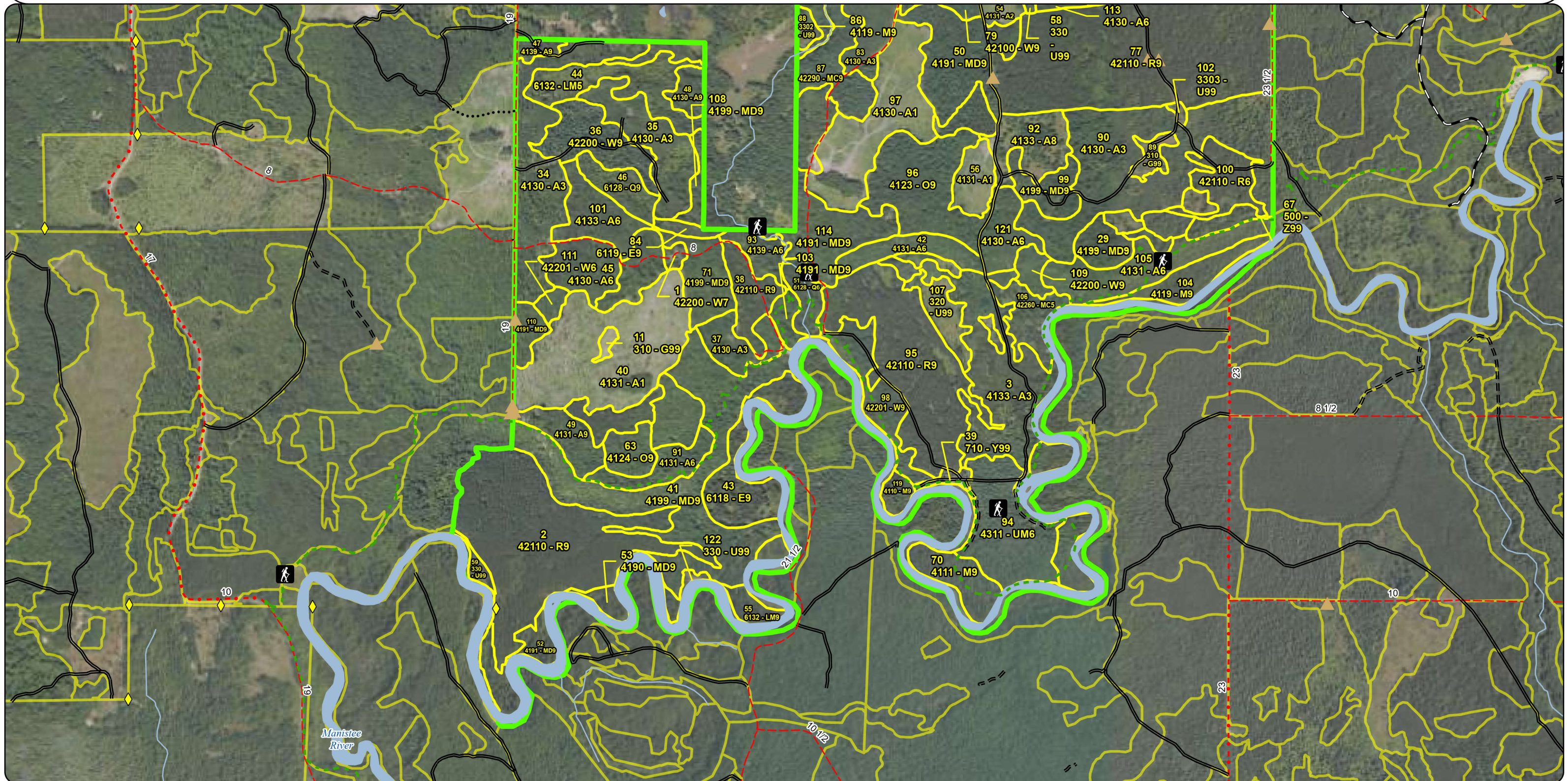
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 411 - Northern Hardwood
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees





- | | | | |
|---|---------------------------------------|---|-------------------------------|
|  | Survey Grade Corners |  | County - Gravel Road |
|  | Berms |  | County - Dirt Road (Seasonal) |
|  | Designated Hiking Pathways |  | DNR - Management Access |
|  | DNR - Primary Forest Road |  | Perennial River |
|  | DNR - Secondary Forest Road |  | Lakes and Rivers |
|  | DNR - Forest Access Route |  | Counties |
|  | Federal / State / County - Paved Road |  | Compartment Boundary |
| | | | 411 - Northern Hardwood |

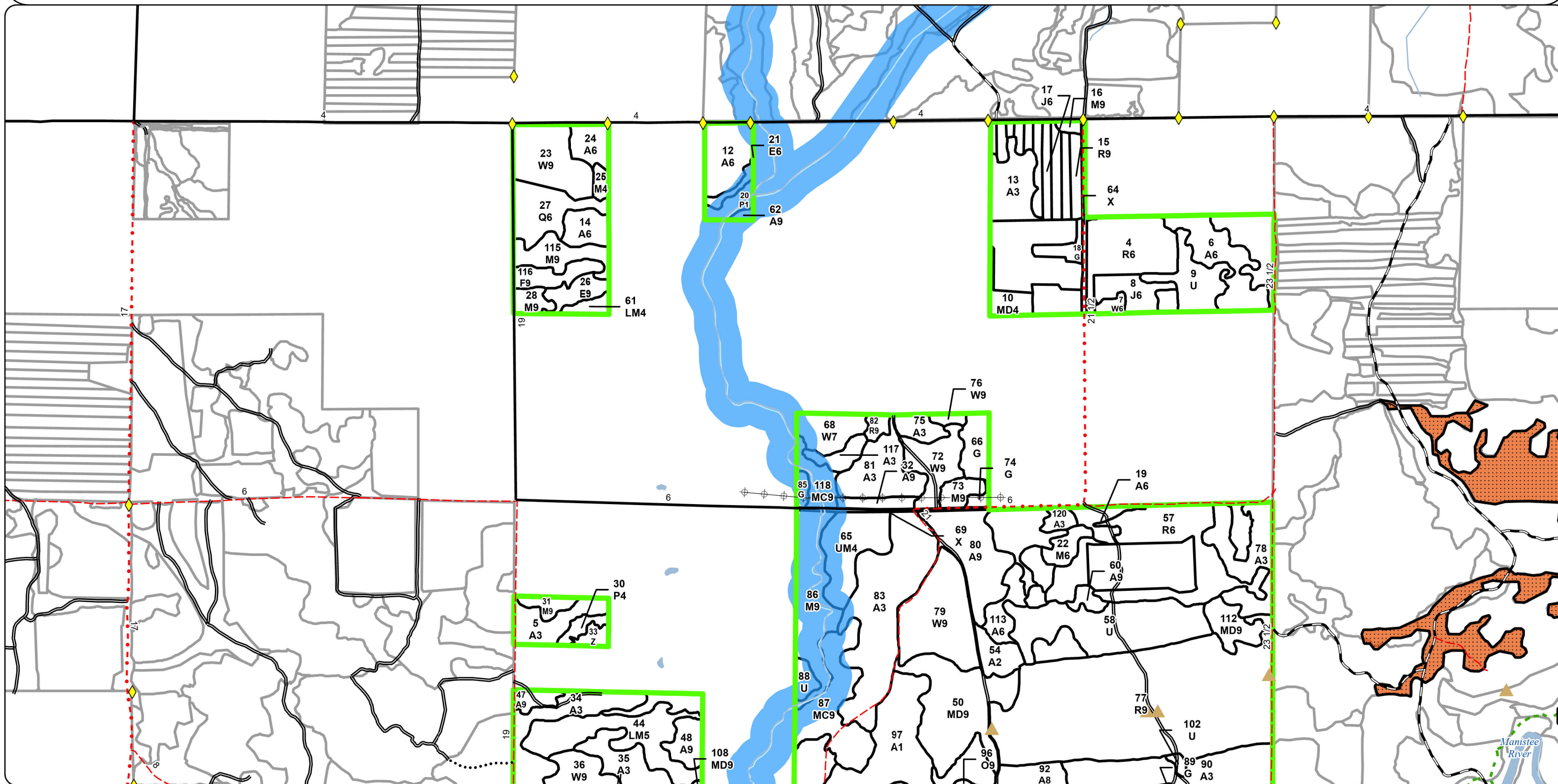
- | | |
|--------------------------------|---------------------------------|
| 412 - Oak Types | 612 - Lowland Coniferous Forest |
| 413 - Aspen | 613 - Lowland Mixed Forest |
| 419 - Mixed Upland Deciduous | 310 - Herbaceous Openland |
| 421 - Planted Pines | 320 - Upland Shrub |
| 422 - Natural Pines | 330 - Low Density Trees |
| 430 - Upland Mixed Forest | 710 - Sand, Soil |
| 500 - Water | |
| 611 - Lowland Deciduous Forest | |





A horizontal scale bar with a black background and white markings. It is divided into four equal segments by three vertical white lines. The first segment is labeled '0' at its left end, the second segment is labeled '0.5' at its midpoint, and the third segment is labeled '1' at its right end. The word 'Miles' is written in white at the far right end of the bar.

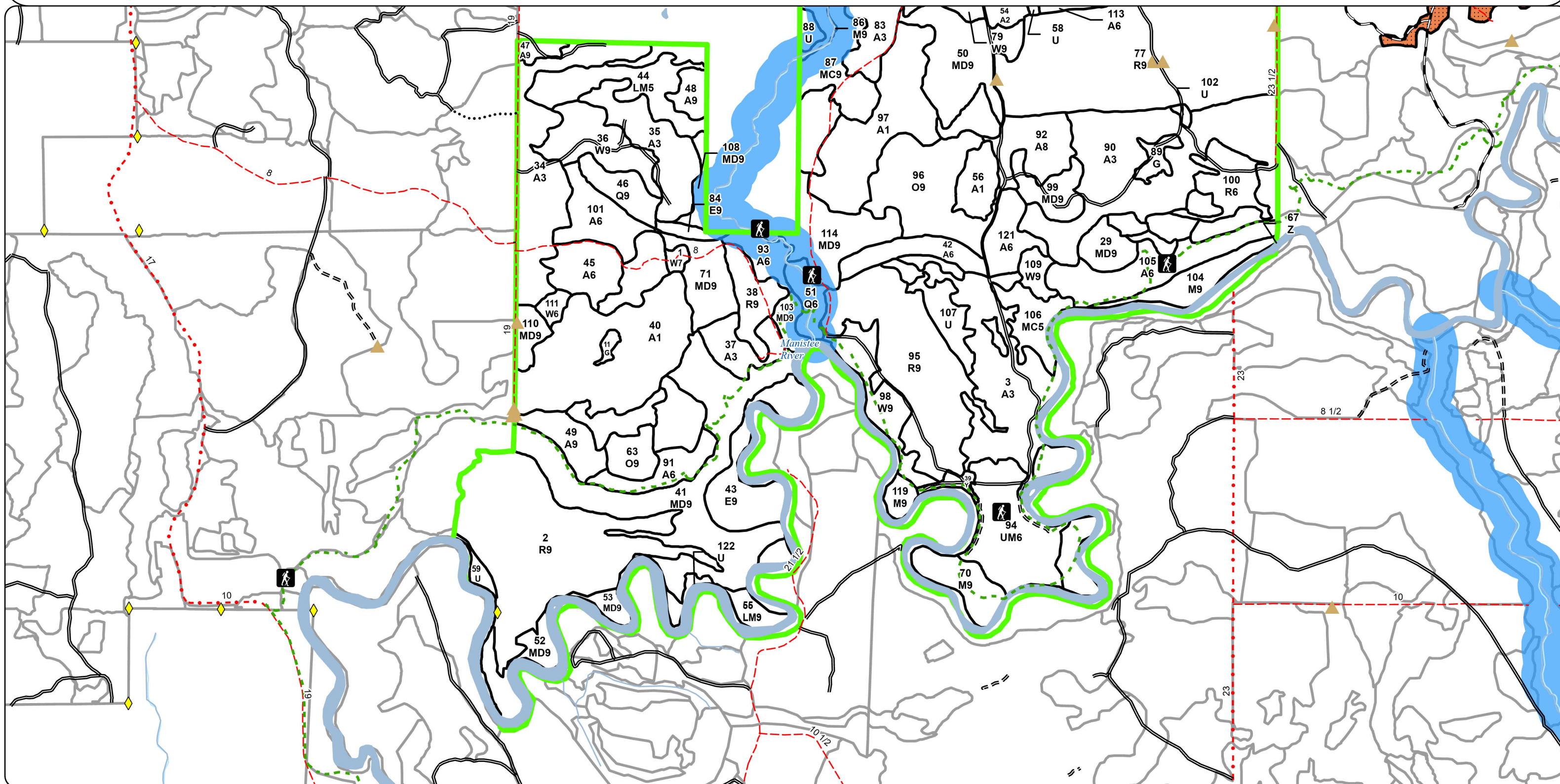
- | | | |
|---|---|---|
|  Survey Grade Corners |  Federal / State / County - Paved Road |  Powerline |
|  Berms |  County - Gravel Road |  Compartment Boundary |
|  Designated Hiking Pathways |  County - Dirt Road (Seasonal) |  Stand Boundaries |
|  DNR - Primary Forest Road |  DNR - Management Access |  SCA |
|  DNR - Secondary Forest Road |  Perennial River |  Cold Water Streams |
|  DNR - Forest Access Route |  Lakes and Rivers |  High Priority Trout Stream Buffer |
| |  Counties |  Other Habitat Area |





A horizontal scale bar with a black background and white markings. It is divided into four equal segments by three vertical white lines. The segments alternate in color: black, white, black, and white. Above the bar, the numbers 0, 0.5, and 1 are placed at the first, second, and third vertical lines respectively. To the right of the bar, the word "Miles" is written.

- | | | |
|---|---|---|
|  Survey Grade Corners |  Federal / State / County - Paved Road |  Compartment Boundary |
|  Berms |  County - Gravel Road |  Stand Boundaries |
|  Designated Hiking Pathways |  County - Dirt Road (Seasonal) |  SCA |
|  DNR - Primary Forest Road |  DNR - Management Access |  Cold Water Streams |
|  DNR - Secondary Forest Road |  Perennial River |  High Priority Trout Stream Buffer |
|  DNR - Forest Access Route |  Lakes and Rivers |  Other Habitat Area |
| |  Counties | |



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	152	216	165	49	35	22	107	39	4	0	0	0	0	0	0	0	0	787
Herbaceous Openland	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Jack Pine	0	0	0	10	0	0	15	0	0	0	0	0	0	0	0	0	0	0	25
Low-Density Trees	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80
Lowland Aspen/Balsam Poplar	0	0	0	0	4	0	3	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	12	36
Lowland Deciduous	0	0	0	0	0	0	2	0	40	0	0	0	0	0	0	0	0	0	42
Lowland Mixed Forest	0	0	0	0	0	0	3	0	0	0	0	0	0	26	0	0	0	12	41
Mixed Upland Deciduous	0	0	0	0	0	0	13	102	54	23	0	27	0	0	0	0	0	20	239
Natural Mixed Pines	0	0	0	0	14	0	0	0	24	0	0	0	0	0	0	0	0	0	38
Northern Hardwood	0	0	0	2	0	10	4	0	25	29	0	0	0	0	0	0	0	30	99
Oak	0	0	0	0	0	0	0	0	0	0	10	41	0	0	0	0	0	0	51
Red Pine	0	0	0	0	89	0	0	345	16	0	0	0	0	0	0	0	0	0	450
Sand, Soil	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Conifers	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Upland Mixed Forest	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	0	0	57
Upland Shrub	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Upland Spruce/Fir	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110
White Pine	0	0	0	0	2	3	0	66	43	2	6	10	0	0	0	0	0	0	132
Total	268	152	216	177	158	48	62	634	298	58	16	78	0	50	0	0	0	74	2286



Report 2 – Treatment Summary

Cadillac Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 131
Total Compartment Acres: 2,284

Commercial Harvest - 525
Harvests with Site Condition - 50
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	66	0	0	24	0	0	0	0	0	90
Herbaceous Openland	9	0	0	0	0	0	0	0	0	13
Jack Pine	15	0	0	0	0	0	0	0	0	15
Mixed Upland Deciduous	30	0	0	0	0	0	0	0	0	30
Northern Hardwood	2	0	0	0	0	0	0	0	0	2
Red Pine	0	0	0	7	121	104	0	0	0	233
Upland Spruce/Fir	0	0	0	0	7	0	0	0	0	7
White Pine	0	0	0	0	20	4	0	0	0	24
Total	122	0	0	31	148	108	0	0	0	413

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	413	0	0	0	71	0	0	0	0	602
Next Step	0	0	0	0	0	0	163	0	0	163
Total	413	0	0	0	71	0	163	0	0	765



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:

66	63131066-Opening	9.5	310 - Herbaceous Openland	99			Openings Mgmt.	Openings Mgmt.	320 - Upland Shrub	Previous Inventory	No
<u>Prescription</u> Maintain as an opening. May include mowing, disking, fertilizing, planting, cutting brush or trees, brush pile creation, planting shrubs or other mast/cover species. Possible burn treatment. Plant trees on edges of private boundary for boundary management. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Grasses <u>Regen:</u> <u>Other</u> Potential for old barb wire and steel drums in stand 66. Adjacent neighbor has found plenty of these in their adjacent 40, which was once part of the same farm (potatoes). <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025											
58	63131058-Burn	71.1	330 - Low-Density Trees	99			Burn	Prescribed Burn	320 - Upland Shrub	Previous Inventory	No
<u>Prescription</u> Burn on a 3-5 year cycle. Maintain as an opening. May include mowing, disking, fertilizing, planting, cutting brush or trees, brush pile creation, planting shrubs or other mast/cover species. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
107	63131107-Opening	15.7	320 - Upland Shrub	99			Openings Mgmt.	Openings Mgmt.	320 - Upland Shrub	Previous Inventory	No
<u>Prescription</u> Maintain as an opening. May include mowing, disking, fertilizing, planting, cutting brush or trees, brush pile creation, planting shrubs or other mast/cover species. Possible burn treatment. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
4	63131004-Cut	47.4	42110 - Planted Red Pine	6	38	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> First thin red pine plantation. Cut one leave two through row thinning. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Rows run north/south and east west. A main skid may be needed where they meet. Survey request is in. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											

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
7 63131007-Cut	4.0	42100 - Planted White Pine	6	60	141-170	Harvest	Thinning	4210 - Planted White Pine	Planting Record	No
<u>Prescription</u> Cut one leave two through row thinning. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Survey request is in. White pine will serve as a seed source for adjacent jack pine conversion. <u>Comment:</u> <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026										
8 63131008-Cut	14.8	42120 - Planted Jack Pine	6	57	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Cut all jack pine. Do not harvest other species unless needed for operations. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, jack pine, white pine, cherry, oak, aspen <u>Regen:</u> <u>Other</u> Survey request is in. <u>Comment:</u> <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026										
9 63131009-Opening	25.5	320 - Upland Shrub	99			Openings Mgmt.	Openings Mgmt.	320 - Upland Shrub	Previous Inventory	No
<u>Prescription</u> Maintain as an opening. May include mowing, disking, fertilizing, planting, cutting brush or trees, brush pile creation, planting shrubs or other <u>Specs:</u> mast/cover species. Possible burn treatment. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
15 63131015-Cut	15.5	42110 - Planted Red Pine	9	69	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin to 120BA focusing on removing high risk, poor form trees first. It appears a strip of red pine is on state forest but is mapped incorrectly. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> A main skid to a landing will need to be made during sale admin.Survey request is in. <u>Comment:</u> <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026										



Standard

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

18 63131018-Cut	3.8	310 - Herbaceous Openland	99			Harvest	Other Harvest - See Comments	320 - Upland Shrub	Previous Inventory	No
-----------------	-----	---------------------------	----	--	--	---------	------------------------------	--------------------	--------------------	----

Prescription Cut all Scotch pine down to 2".

Specs:

Next Step

Treatments:

Acceptable Native grasses, forbs, shrubs, trees.

Regen:

Other Deck scale this unit. Spec 3.2.1

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

19 63131019-Cut	5.5	4130 - Aspen	6	67	51-80	Harvest	Seed Tree	413 - Aspen	Planting Record	No
-----------------	-----	--------------	---	----	-------	---------	-----------	-------------	-----------------	----

Prescription Cut all species greater than 2" at DBH except conifers.

Specs:

Next Step

Treatments:

Acceptable aspen, oak, maple, pine, elm, ash

Regen:

Other Grouse spec. Soft oak wilt.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

23 63131023-Cut	19.5	42100 - Planted White Pine	9	60	141-170	Harvest	Shelterwood	42201 - Natural White Pine, Mixed Deciduous	Cutting Record	No
-----------------	------	----------------------------	---	----	---------	---------	-------------	---	----------------	----

Prescription Retain 50 BA through marking of leave trees and designation of species. Cut all other trees. Focus retention on crop trees with good bole form.

Specs:

Next Step

Treatments:

Acceptable white pine, maple, cherry, oak, aspen, hemlock

Regen:

Other Retention of 50BA is aimed at reducing susceptibility to white pine weevil damage. Ample regen of white pine and red maple in the understory. The stand should regenerate nicely.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

25 63131025-Cut	2.2	4117 - Mixed N. Hardwood - Pine	4	20	1-50	Harvest	Clearcut	320 - Upland Shrub	Previous Inventory	No
-----------------	-----	---------------------------------	---	----	------	---------	----------	--------------------	--------------------	----

Prescription Cut all trees greater than 2" at DBH. Actual acreage may differ due to on the ground conditions.

Specs:

Next Step

Treatments:

Acceptable Mix of native grasses, shrubs and trees.

Regen:

Other Maintaining the wildlife opening through a commercial harvest with adjacent white pine cut.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026



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

29 63131029-Cut 30.3 4199 - Other Mixed 9 72 51-80 Harvest Clearcut 4211 - Planted Planting No
Upland Deciduous Red Pine Record

Prescription Cut all trees greater than 2" at DBH. No retention due to conversion to red pine. Require equipment cleaning when leaving this unit. Follow
Specs: Natural Rivers MOU for bluff setback (50ft)

Next Step
Treatments:

Acceptable red pine
Regen:

Other Treat with adjacent harvest and mastication for spraying.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

57 63131057-Cut 41.2 42110 - Planted 6 38 141- Harvest Thinning 4211 - Planted Planting No
Red Pine 170 Red Pine Record

Prescription Cut red pine rows following a cut two leave four pattern. Main skids will need to be agreed to during operations as rows vary in direction.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

2 63131002-Cut 97.3 42110 - Planted 9 68 111- Harvest Shelterwood 4191 - Mixed Cutting No
Red Pine 140 Upland Record
Deciduous with
Conifer

Prescription Retain 40-50 BA residual through designation of species and leave tree marking. Cut all other trees. Follow bmps of 60Ba in rmz. Regen
Specs: protection spec, wood turtle spec (Harvest activities only during inactive season Oct 1-Mar 14 within 660 foot buffer, consult with the Wildlife Biologist to determine if they will be allowed Mar15-May1, (no timing waiver within 100ft of the river)), consider roundwood only, hard oak wilt spec, trail protection spec. Planted red pine does not fall under the memorandum of understanding (MOU) regarding natural rivers.

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

Acceptable Oak, maple, pine, ash, hemlock, cherry, cedar, aspen
Regen:

Other This is adapted for visual considerations due to the Manistee river and NCT on the bluff above. Obliterate illegal orv trails along river. Use
Comment: stumps, slash and berms to close admin road and hill climb. Currently berms are eroded. Wood will need to be skidded to the top of the hill as in past sales or major road improvement needed at purchasers expense.

Site Condition:

Proposed Start Date: 10/01/2026



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
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

101 63131101-Cut	18.5	4133 - Aspen, Mixed Pine	6	68	111-140	Harvest	Seed Tree	4133 - Aspen, Mixed Pine	Planting Record	No
-------------------------	------	--------------------------	---	----	---------	---------	-----------	--------------------------	-----------------	----

Prescription Cut all trees except oak, red pine, birch. Additionally do not harvest white pine over 18" DBH. Leave tree mark additional trees to meet 6-8TPA residual if needed. Follow state BMPs where applicable.

Next Step
Treatments:

Acceptable aspen, oak, pine, maple, birch, cedar, basswood, hemlock
Regen:

Other Add drumming log, brush pile, and oak wilt (soft) restrictions. The goal is a long term transition towards a pine/oak stand. There is enough pine and oak regen that should survive or sprout post harvest to transition the stand. Red pine and birch are very minor components and will not constitute much of the retention.

Site Condition:

Proposed Start Date: 10/01/2026

116 63131116-Cut	7.1	42311 - Planted Spruce, Mixed Deciduous	9	62	111-140	Harvest	Shelterwood	4191 - Mixed Upland Deciduous with Conifer	Cutting Record	No
-------------------------	-----	---	---	----	---------	---------	-------------	--	----------------	----

Prescription Cut all white spruce, balsam fir, and aspen. Consider marking a handful of vigorous white spruce for retention for wildlife cover/diversity.

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

Acceptable maple, cherry, pine, spruce, aspen, birch, hemlock, oak, balsam fir
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

77 63131077-Cut	7.4	42110 - Planted Red Pine	9	65	81-110	Harvest	Seed Tree	4310 - Pine, Oak Mix	Cutting Record	No
------------------------	-----	--------------------------	---	----	--------	---------	-----------	----------------------	----------------	----

Prescription Cut all red pine, aspen, beech, and red maple down to 2". Oak wilt spec.

Specs:

Next Step
Treatments:

Acceptable pine, oak, maple, birch, aspen, ash, beech
Regen:

Other Stand should regenerate nicely to desired species. Good overstory of oak and white pine seed trees.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026



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

89 63131089-Cut 5.8 310 - Herbaceous Openland 99 Harvest Clearcut 310 - Herbaceous Openland Previous Inventory No

Prescription Cut all trees greater than 2" at DBH. No retention due to size and invasives. Require equipment cleaning when leaving this unit.

Specs:

Next Step

Treatments:

Acceptable Native grasses, forbs and trees

Regen:

Other Treat with adjacent harvest and mastication for spraying. Coordinate between TMS and Biologist for spraying and forb planting timing.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

89 63131089-Prep 4.9 310 - Herbaceous Openland 99 Site Prep-Mech. Site Prep 310 - Herbaceous Openland Previous Inventory No

Prescription Clean equipment when leaving this unit.

Specs:

Next Step

Treatments:

Acceptable Native grasses, forbs and trees

Regen:

Other Time treatment with adjacent harvests for spraying and planting. Coordinate between TMS and Biologist for spraying and forb planting timing.

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

89 63131090-CutWL 3.4 310 - Herbaceous Openland 99 Harvest Clearcut 310 - Herbaceous Openland Previous Inventory No

Prescription Cut all trees greater than 2" at DBH. No retention due to size and invasives. Require equipment cleaning when leaving this unit.

Specs:

Next Step

Treatments:

Acceptable Native grasses, forbs and trees

Regen:

Other Treat with adjacent harvest and mastication for spraying. Coordinate between TMS and Biologist for spraying and forb planting timing.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026



Standard

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

90 63131090-Cut	16.3	4130 - Aspen	3	15	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
-----------------	------	--------------	---	----	------	---------	----------	-------------------------	-----------------	----

Prescription Harvest all trees down to a 2" spec. No retention due to conversion to red pine. Require equipment cleaning when leaving this unit. Layout boundary to what is reasonable for a commercial harvest. Treatment shape and size will reflect actual ground conditions and may vary from proposed treatment.

Next Step
Treatments:

Acceptable red pine
Regen:

Other Treat with adjacent harvest and mastication for spraying.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

90 63131090-Prep	45.6	4130 - Aspen	3	15	1-50	Site Prep-Mech.	Site Prep	4211 - Planted Red Pine	Planting Record	No
------------------	------	--------------	---	----	------	-----------------	-----------	-------------------------	-----------------	----

Prescription Site prep stand for red pine planting. Clean equipment when leaving this unit. Treatment shape and size will reflect actual ground conditions and may vary from proposed treatment.

Next Step
Treatments:

Acceptable red pine
Regen:

Other Time treatment with adjacent harvests for spraying and planting.
Comment:

Site Condition:

Proposed Start Date: 10/01/2027

92 63131092-Cut	11.0	4133 - Aspen, Mixed Pine	8	65	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
-----------------	------	--------------------------	---	----	------	---------	----------	---------------------------	--------------------	----

Prescription Cut all trees greater than 2" at DBH. No retention due to invasives. Require equipment cleaning when leaving this unit.
Specs:

Next Step
Treatments:

Acceptable Native grasses, forbs and trees
Regen:

Other Improperly classified as long term retention last entry. Both stands are infested with Autumn Olive in the understory. Treat with adjacent harvest and mastication for spraying. Coordinate between TMS and Biologist for spraying and forb planting timing.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

92 63131099-Cut	38.2	4133 - Aspen, Mixed Pine	8	65	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
-----------------	------	--------------------------	---	----	------	---------	----------	-------------------------	-----------------	----

Prescription Cut all trees greater than 2" at DBH. No retention due to conversion to red pine. Require equipment cleaning when leaving this unit. Layout boundary to what is reasonable for a commercial harvest. Treatment shape and size will reflect actual ground conditions and may vary from proposed treatment.

Next Step
Treatments:

Acceptable red pine
Regen:

Other Improperly classified as long term retention last entry. Both stands are infested with Autumn Olive in the understory. Conversion to red pine with herbicide application should slow spread locally. Treat with adjacent harvest and mastication for spraying.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026



Standard

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

100	63131100-Prep	16.3	42110 - Planted Red Pine	6	72	171-200	Site Prep-Mech.	Site Prep	4211 - Planted Red Pine	Planting Record	No
-----	---------------	------	--------------------------	---	----	---------	-----------------	-----------	-------------------------	-----------------	----

Prescription Consumers red pine. Do not operate unless pine has been harvested. Site prep stand for red pine planting. Clean equipment when leaving this unit. Treatment shape and size will reflect actual ground conditions and may vary from proposed treatment.

Next Step
Treatments:

Acceptable red pine
Regen:

Other Time treatment with adjacent harvests for spraying and planting.
Comment:

Site Condition: Non-Military Lease/Easement

Proposed Start Date: 10/01/2027

38	63131038-Cut	24.1	42110 - Planted Red Pine	9	69	141-170	Harvest	Shelterwood	4191 - Mixed Upland Deciduous with Conifer	Cutting Record	No
----	--------------	------	--------------------------	---	----	---------	---------	-------------	--	----------------	----

Prescription Shelterwood to 30 BA. Retain all hardwoods greater than 8" DBH, all white pine and leave tree mark red pine to meet BA.
Specs:

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

Acceptable Maple, oak, aspen, pine, cherry, fir, beech
Regen:

Other One "origin" red pine along forest road to leave tree mark
Comment: Wood turtle spec (660ft, consult WL bio). Oak wilt hard restriction. Trail protection spec.

Site Condition:

Proposed Start Date: 10/01/2026

Total Treatment 601.9
Acreage Proposed:

Report 4 – Site Conditions

Cadillac Mgt. Unit
Joel Taylor: Examiner

Compartment: 131
Year of Entry: 2027



Availability for Management

Total Acres Acres Available Acres With Condition Acres Not Available

Dominant Site Conditions

2I 5C 2F 2G 2H 3A 3E 3G 3J 5E

716	584	69	63	Aspen		69	35		2	7		9	6	4
28	28	0	0	Herbaceous Openland										
25	10	15	0	Jack Pine	15									
80	76	0	4	Low-Density Trees							4			
7	4	0	3	Lowland Aspen/Balsam Poplar				3						
35	0	0	35	Lowland Conifers			8	26				1		
28	8	0	20	Lowland Deciduous								16	3	
40	3	0	37	Lowland Mixed Forest				26				11		
197	82	41	74	Mixed Upland Deciduous		41	42					31	1	
13	0	0	13	Natural Mixed Pines								5	8	
92	31	0	61	Northern Hardwood					5			32	24	
12	10	0	2	Oak			2							
442	210	216	16	Red Pine	16	201					16			
2	0	0	3	Sand, Soil								3		
6	0	0	6	Upland Conifers									6	
56	19	25	13	Upland Mixed Forest		25						13		
41	41	0	0	Upland Shrub										
7	7	0	0	Upland Spruce/Fir										
6	6	0	0	Urban										
110	110	0	0	Water										
119	102	4	13	White Pine	4		4					10		
2,063	1,330	370	362	Total Forested Acres	34	336	91	55	7	7	16	133	49	4
	64%	18%	18%	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	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stands occur on the Manistee River bluff								

Report 4 – Site Conditions

Cadillac Mgt. Unit
Joel Taylor: Examiner

Compartment: 131
Year of Entry: 2027



2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cedar spruce swamp area							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Delay treatment until a future date due to adjacent red pine harvest							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold until 2037 or 2047 YOE							
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	10	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Steep areas along the Anderson Creek							
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Small stand across Anderson Creek							
7	Unavailable	3A: Conservation values incompatible with harvest at this time	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access is possible but difficult. It would require a winter harvest with mats through the lowland stand to the West. A good stand to let natural succession and disturbance occur.							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Joel Taylor: Examiner

Compartment: 131
Year of Entry: 2027



8	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: steep areas adjacent to Anderson Creek							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: hold for age class diversity.							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Joel Taylor: Examiner

Compartment: 131
Year of Entry: 2027



14	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	3E: Easement/lease, non-military (e.g. Consumers Power red pine, etc.)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Consumers Pine							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is a cedar stand with a drainage flowing through the stand.							
17	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: retention/visual buffer for adjacent stand.							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	69	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Allow the understory to develop.							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Joel Taylor: Examiner

Compartment: 131
Year of Entry: 2027



20	Unavailable	3G: Other influence zones - See comments	133	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	32	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
Comments: Hard to access hardwood stand along the river.							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2F: Too steep	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Joel Taylor: Examiner

Compartment: 131
Year of Entry: 2027



26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Sleep slope that crosses onto private before meeting Anderson Creek.							
29	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is wet to the north and west							
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	129	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Steep slopes along Anderson creek. A few seeps located throughout.							

Cadillac Mgt. Unit
Joel Taylor: Examiner

Report 4 – Site Conditions

Compartment: 131
Year of Entry: 2027



32	Available	2I: Survey needed	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Available	2I: Survey needed	16	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	42200 - Natural White Pine	Poletimber Poor	2.2	35	1-50	N/A	Small area with pole and log trees. White pine and a few hardwoods beginning to seed into the stand.																																																																						
<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>5</td><td></td><td>18</td><td></td></tr><tr><td>White Oak</td><td>5</td><td>Seedling</td><td>9</td><td></td></tr><tr><td>Basswood</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>10</td><td></td><td>10</td><td></td></tr><tr><td>White Pine</td><td>25</td><td></td><td>14</td><td>65</td></tr><tr><td>White Pine</td><td>50</td><td>Seedling</td><td>9</td><td>35</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Sugar Maple	5		18		White Oak	5	Seedling	9		Basswood	5		14		Black/Red (Hybrid) Oak	10		10		White Pine	25		14	65	White Pine	50	Seedling	9	35	<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>< 5 feet</td><td>< 5 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Cherry</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	< 5 feet	< 5 feet	White Pine	Low	Variable	Variable	Black Cherry	Low	Variable	Variable																						
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
Sugar Maple	5		18																																																																										
White Oak	5	Seedling	9																																																																										
Basswood	5		14																																																																										
Black/Red (Hybrid) Oak	10		10																																																																										
White Pine	25		14	65																																																																									
White Pine	50	Seedling	9	35																																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																																										
Beech	Low	< 5 feet	< 5 feet																																																																										
White Pine	Low	Variable	Variable																																																																										
Black Cherry	Low	Variable	Variable																																																																										
2	42110 - Planted Red Pine	Sawtimber Well	97.3	68	111-140	N/A	Thinned in 1998 as part of 705 Red Pine (62-078-97)Thinned in the summer of 2014 (Down the Path Pine, 63-020-11). Growing well with desirable hardwood understory regen. Trace black cherry and oak in canopy. There are multiple decline pockets present and evidence of more forming. Some areas responded well with last thinning but most seemed to have little change in crown growth																																																																						
<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>1</td><td></td><td>20</td><td></td></tr><tr><td>American Elm</td><td>1</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>1</td><td></td><td>16</td><td></td></tr><tr><td>Red Pine</td><td>97</td><td></td><td>12</td><td>68</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Sugar Maple	1		20		American Elm	1	Seedling	8		Black/Red (Hybrid) Oak	1		16		Red Pine	97		12	68	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Ash</td><td>Low</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Ironwood</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>White Oak</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Blackberry/Raspberry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Trace</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Hawthorn (spp.)</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Sugar Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Red Maple</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Beech</td><td>Medium</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Red Oak</td><td>Trace</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Black Locust</td><td>Trace</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Ash	Low	>20 feet	>20 feet	Ironwood	Low	10 - 20 feet	10 - 20 feet	White Oak	High	Variable	Variable	Blackberry/Raspberry	Low	5 - 10 feet	5 - 10 feet	White Pine	Trace	< 5 feet	< 5 feet	Hawthorn (spp.)	Trace	5 - 10 feet	5 - 10 feet	Sugar Maple	Medium	>20 feet	>20 feet	Red Maple	Low	10 - 20 feet	10 - 20 feet	Beech	Medium	10 - 20 feet	10 - 20 feet	Red Oak	Trace	10 - 20 feet	10 - 20 feet	Black Locust	Trace	< 5 feet	< 5 feet
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
Sugar Maple	1		20																																																																										
American Elm	1	Seedling	8																																																																										
Black/Red (Hybrid) Oak	1		16																																																																										
Red Pine	97		12	68																																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																																										
White Ash	Low	>20 feet	>20 feet																																																																										
Ironwood	Low	10 - 20 feet	10 - 20 feet																																																																										
White Oak	High	Variable	Variable																																																																										
Blackberry/Raspberry	Low	5 - 10 feet	5 - 10 feet																																																																										
White Pine	Trace	< 5 feet	< 5 feet																																																																										
Hawthorn (spp.)	Trace	5 - 10 feet	5 - 10 feet																																																																										
Sugar Maple	Medium	>20 feet	>20 feet																																																																										
Red Maple	Low	10 - 20 feet	10 - 20 feet																																																																										
Beech	Medium	10 - 20 feet	10 - 20 feet																																																																										
Red Oak	Trace	10 - 20 feet	10 - 20 feet																																																																										
Black Locust	Trace	< 5 feet	< 5 feet																																																																										
3	4133 - Aspen, Mixed Pine	Sapling Well	56.4	22	51-80	N/A	Variable stand of mixed aspen, pine. Old red pine strips appear to be plantation origin. Pockets of scattered large white pine and oak. Regeneration is better in the north than in the south.																																																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>10</td><td>Pole</td><td>4</td><td>22</td></tr><tr><td>Red Oak</td><td>5</td><td></td><td>18</td><td></td></tr><tr><td>Red Pine</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Pole</td><td>4</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>55</td><td>Sapling</td><td>5</td><td>22</td></tr><tr><td>White Pine</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>White Pine</td><td>15</td><td>Log</td><td>4</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	10	Pole	4	22	Red Oak	5		18		Red Pine	5		12		Red Maple	5	Pole	4		Bigtooth Aspen	55	Sapling	5	22	White Pine	5		14		White Pine	15	Log	4		<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>White Pine</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>White Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Ironwood</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Autumn Olive</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	Variable	Variable	White Pine	High	Variable	Variable	White Oak	Low	Variable	Variable	Red Oak	Low	Variable	Variable	Ironwood	Low	Variable	Variable	Autumn Olive	Trace	5 - 10 feet	5 - 10 feet	Witch Hazel	Low	5 - 10 feet	5 - 10 feet	
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
Quaking Aspen	10	Pole	4	22																																																																									
Red Oak	5		18																																																																										
Red Pine	5		12																																																																										
Red Maple	5	Pole	4																																																																										
Bigtooth Aspen	55	Sapling	5	22																																																																									
White Pine	5		14																																																																										
White Pine	15	Log	4																																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																																										
Red Maple	Medium	Variable	Variable																																																																										
White Pine	High	Variable	Variable																																																																										
White Oak	Low	Variable	Variable																																																																										
Red Oak	Low	Variable	Variable																																																																										
Ironwood	Low	Variable	Variable																																																																										
Autumn Olive	Trace	5 - 10 feet	5 - 10 feet																																																																										
Witch Hazel	Low	5 - 10 feet	5 - 10 feet																																																																										
4	42110 - Planted Red Pine	Poletimber Well	47.4	38	141-170	N/A	Planted red pine adjacent to private to the west. Stand is closing in and growing well. Avg 25' height.																																																																						
<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>99</td><td>Seedling</td><td>8</td><td>38</td></tr><tr><td>Black Cherry</td><td>1</td><td>Sapling</td><td>6</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	99	Seedling	8	38	Black Cherry	1	Sapling	6		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Autumn Olive</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Autumn Olive	Trace	5 - 10 feet	5 - 10 feet																																																		
Canopy Species	% Cover	Size Class	DBH	Age																																																																									
Red Pine	99	Seedling	8	38																																																																									
Black Cherry	1	Sapling	6																																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																																										
Autumn Olive	Trace	5 - 10 feet	5 - 10 feet																																																																										



</



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
12	4130 - Aspen	Sapling Well	13.7	37	1-50	N/A	No apron access on 4rd. The stand transitions to a wet area toward the south along Anderson creek. Average quaking aspen quality.																																																			
<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>5</td><td>Sapling</td><td>6</td><td></td></tr><tr><td>Quaking Aspen</td><td>80</td><td>Sapling</td><td>6</td><td>37</td></tr><tr><td>Hemlock</td><td>3</td><td></td><td>14</td><td></td></tr><tr><td>White Pine</td><td>2</td><td></td><td>20</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Pole</td><td>4</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	6		Quaking Aspen	80	Sapling	6	37	Hemlock	3		14		White Pine	2		20		Black Cherry	5	Seedling	8		Balsam Fir	5	Pole	4		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Trace</td><td>< 5 feet</td><td>< 5 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	White Pine	Trace	< 5 feet	< 5 feet	Balsam Fir	Medium	Variable	Variable	Cut as part of Anderson Creek II sale (62-058-87)				
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Maple	5	Sapling	6																																																							
Quaking Aspen	80	Sapling	6	37																																																						
Hemlock	3		14																																																							
White Pine	2		20																																																							
Black Cherry	5	Seedling	8																																																							
Balsam Fir	5	Pole	4																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
White Pine	Trace	< 5 feet	< 5 feet																																																							
Balsam Fir	Medium	Variable	Variable																																																							
13	4130 - Aspen	Sapling Well	13.5	15	1-50	N/A	Stand was cut as part of Richards Pine/Aspen (63-002-07). All aspen, red maple, and ironwood was spec cut.																																																			
<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>10</td><td></td><td>14</td><td></td></tr><tr><td>Sugar Maple</td><td>5</td><td>Log</td><td>3</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>85</td><td>Log</td><td>3</td><td>15</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	10		14		Sugar Maple	5	Log	3		Bigtooth Aspen	85	Log	3	15	<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>Variable</td><td>Variable</td></tr><tr><td>Ironwood</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Beech	Trace	Variable	Variable	Ironwood	Low	Variable	Variable																				
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Sugar Maple	10		14																																																							
Sugar Maple	5	Log	3																																																							
Bigtooth Aspen	85	Log	3	15																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Beech	Trace	Variable	Variable																																																							
Ironwood	Low	Variable	Variable																																																							
14	4136 - Aspen, Mixed Conifer	Poletimber Well	7.0	49	51-80	N/A	Wet hummocky stand with pockets of windthrow. Upland relative to stand 27 but may have a clay lens below keeping it saturated.																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>10</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>White Pine</td><td>10</td><td></td><td>14</td><td></td></tr><tr><td>Balsam Fir</td><td>15</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Yellow Birch</td><td>5</td><td>Sapling</td><td>6</td><td></td></tr><tr><td>Quaking Aspen</td><td>60</td><td>Seedling</td><td>7</td><td>49</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Seedling	6		White Pine	10		14		Balsam Fir	15	Sapling	5		Yellow Birch	5	Sapling	6		Quaking Aspen	60	Seedling	7	49	<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>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>White Ash</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Elm (Spp.)</td><td>Low</td><td>>20 feet</td><td>>20 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	10 - 20 feet	10 - 20 feet	White Ash	Low	< 5 feet	< 5 feet	Balsam Fir	Low	Variable	Variable	Elm (Spp.)	Low	>20 feet	>20 feet		
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Red Maple	10	Seedling	6																																																							
White Pine	10		14																																																							
Balsam Fir	15	Sapling	5																																																							
Yellow Birch	5	Sapling	6																																																							
Quaking Aspen	60	Seedling	7	49																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Low	10 - 20 feet	10 - 20 feet																																																							
White Ash	Low	< 5 feet	< 5 feet																																																							
Balsam Fir	Low	Variable	Variable																																																							
Elm (Spp.)	Low	>20 feet	>20 feet																																																							
15	42110 - Planted Red Pine	Sawtimber Well	15.5	69	171-200	N/A	Strips are of varying density, higher in the westernmost two and generally higher the further north.Stand was thinned in 2009 (Richards Pine/Aspen, 63-002-07).																																																			
<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>2</td><td></td><td>20</td><td></td></tr><tr><td>Red Pine</td><td>98</td><td></td><td>12</td><td>69</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	2		20		Red Pine	98		12	69	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Beech</td><td>Low</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>Bigtooth Aspen</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Variable	Beech	Low	Variable	Variable	Sugar Maple	Low	Variable	Variable	Bigtooth Aspen	Low	Variable	Variable																	
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Sugar Maple	2		20																																																							
Red Pine	98		12	69																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Pine	Low	Variable	Variable																																																							
Beech	Low	Variable	Variable																																																							
Sugar Maple	Low	Variable	Variable																																																							
Bigtooth Aspen	Low	Variable	Variable																																																							
16	4110 - Sugar Maple Association	Sawtimber Well	1.3	84	81-110	N/A	Small pocket of hardwood at edge of red pine strips. Good seed source for adjacent strips																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Beech</td><td>5</td><td></td><td>16</td><td></td></tr><tr><td>Basswood</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>Sugar Maple</td><td>5</td><td></td><td>20</td><td></td></tr><tr><td>Sugar Maple</td><td>70</td><td></td><td>14</td><td>84</td></tr><tr><td>Red Maple</td><td>15</td><td></td><td>10</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Beech	5		16		Basswood	5		14		Sugar Maple	5		20		Sugar Maple	70		14	84	Red Maple	15		10		<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>Variable</td><td>Variable</td></tr><tr><td>Ironwood</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Trace</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Beech</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	Variable	Variable	Ironwood	Low	Variable	Variable	White Pine	Trace	10 - 20 feet	10 - 20 feet	Beech	Low	Variable	Variable		
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Beech	5		16																																																							
Basswood	5		14																																																							
Sugar Maple	5		20																																																							
Sugar Maple	70		14	84																																																						
Red Maple	15		10																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Sugar Maple	Low	Variable	Variable																																																							
Ironwood	Low	Variable	Variable																																																							
White Pine	Trace	10 - 20 feet	10 - 20 feet																																																							
Beech	Low	Variable	Variable																																																							





</





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
31	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	3.7	86	81-110	N/A	Mixed hardwoods with aspen. Decent sapling class of maple coming up in the understory																																																			
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>Basswood</td> <td>30</td> <td></td> <td>13</td> <td>86</td> </tr> <tr> <td>Quaking Aspen</td> <td>25</td> <td></td> <td>13</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>25</td> <td>Seedling</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Seedling</td> <td>8</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>10</td> <td></td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td></td> <td>12</td> <td></td> </tr> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Basswood	30		13	86	Quaking Aspen	25		13		Black Cherry	25	Seedling	8		Red Oak	5	Seedling	8		Sugar Maple	10		12		Red Maple	5		12		<table> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> <tr> <td>White Oak</td> <td>Trace</td> <td>>20 feet</td> <td>>20 feet</td> </tr> <tr> <td>Sugar Maple</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> <tr> <td>Ironwood</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Oak	Trace	>20 feet	>20 feet	Sugar Maple	Medium	Variable	Variable	Red Maple	Low	Variable	Variable	Ironwood	Medium	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Basswood	30		13	86																																																						
Quaking Aspen	25		13																																																							
Black Cherry	25	Seedling	8																																																							
Red Oak	5	Seedling	8																																																							
Sugar Maple	10		12																																																							
Red Maple	5		12																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
White Oak	Trace	>20 feet	>20 feet																																																							
Sugar Maple	Medium	Variable	Variable																																																							
Red Maple	Low	Variable	Variable																																																							
Ironwood	Medium	Variable	Variable																																																							
32	4130 - Aspen	Sawtimber Well	4.1	77	81-110	N/A	Retention area for stand 81 to the south that was cut in 2018.																																																			
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Seedling</td> <td>9</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td></td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>25</td> <td></td> <td>12</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>65</td> <td></td> <td>12</td> <td>77</td> </tr> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	5	Seedling	9		Red Oak	5		14		Red Maple	25		12		Bigtooth Aspen	65		12	77	<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>Variable</td> <td>Variable</td> </tr> <tr> <td>Ironwood</td> <td>High</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Black Cherry</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Beech</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Variable	Ironwood	High	Variable	Variable	White Pine	Low	Variable	Variable	Black Cherry	Trace	Variable	Variable	Beech	Trace	Variable	Variable						
Canopy Species	% Cover	Size Class	DBH	Age																																																						
White Pine	5	Seedling	9																																																							
Red Oak	5		14																																																							
Red Maple	25		12																																																							
Bigtooth Aspen	65		12	77																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Low	Variable	Variable																																																							
Ironwood	High	Variable	Variable																																																							
White Pine	Low	Variable	Variable																																																							
Black Cherry	Trace	Variable	Variable																																																							
Beech	Trace	Variable	Variable																																																							
33	500 - Water	Unspecifed	2.7			No	Seasonal beaver flooding																																																			
34	4130 - Aspen	Sapling Well	59.4	17	1-50	N/A	This stand was harvested in the summer of 2008 (19 Aspen Pieces, 63-019-07) and was a tree length operation and chipper. Oak and cherry were spec'd as residual leave trees. A few residual white pine were left. Growing well, this is one stand from a multi stand sale. Stand is adjacent to 19 rd.																																																			
<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>15</td> <td>Log</td> <td>4</td> <td>17</td> </tr> <tr> <td>Red Oak</td> <td>3</td> <td></td> <td>18</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td></td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>7</td> <td>Log</td> <td>2</td> <td>17</td> </tr> <tr> <td>Red Maple</td> <td>8</td> <td>Log</td> <td>2</td> <td>17</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>65</td> <td>Pole</td> <td>4</td> <td>17</td> </tr> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	15	Log	4	17	Red Oak	3		18		White Pine	2		12		White Pine	7	Log	2	17	Red Maple	8	Log	2	17	Bigtooth Aspen	65	Pole	4	17	<table> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Ironwood</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Oak</td> <td>Trace</td> <td>Variable</td> <td>Variable</td> </tr> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Medium	Variable	Variable	Ironwood	Medium	Variable	Variable	Black Cherry	Low	Variable	Variable	White Oak	Trace	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Quaking Aspen	15	Log	4	17																																																						
Red Oak	3		18																																																							
White Pine	2		12																																																							
White Pine	7	Log	2	17																																																						
Red Maple	8	Log	2	17																																																						
Bigtooth Aspen	65	Pole	4	17																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Beech	Medium	Variable	Variable																																																							
Ironwood	Medium	Variable	Variable																																																							
Black Cherry	Low	Variable	Variable																																																							
White Oak	Trace	Variable	Variable																																																							
35	4130 - Aspen	Sapling Well	27.1	18	1-50	N/A	Young aspen stand that was treated in 2008 (19 Aspen Pieces, 63-019-07) with scattered residual over story oak left.																																																			
<table> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Pole</td> <td>4</td> <td>18</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log</td> <td>3</td> <td>18</td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td></td> <td>16</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Log</td> <td>3</td> <td>18</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>65</td> <td>Pole</td> <td>4</td> <td>18</td> </tr> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	10	Pole	4	18	White Pine	5	Log	3	18	Red Oak	5		16		Red Maple	15	Log	3	18	Bigtooth Aspen	65	Pole	4	18	<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>Variable</td> <td>Variable</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Variable</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Variable</td> </tr> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	Beech	Low	Variable	Variable	Red Oak	Low	Variable	Variable	White Pine	Medium	Variable	Variable					
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Quaking Aspen	10	Pole	4	18																																																						
White Pine	5	Log	3	18																																																						
Red Oak	5		16																																																							
Red Maple	15	Log	3	18																																																						
Bigtooth Aspen	65	Pole	4	18																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Medium	Variable	Variable																																																							
Beech	Low	Variable	Variable																																																							
Red Oak	Low	Variable	Variable																																																							
White Pine	Medium	Variable	Variable																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments							
36	42200 - Natural White Pine	Sawtimber Well	22.8	75	81-110	N/A	The stand was harvested in 2008 (19 Aspen Pieces, 63-019-07) with all maple and aspen being removed along with a portion of the white pine over story. A few spots of lowland in the northern portion of the stand. Good understory regen and development.							
								Canopy Species	% Cover	Size Class	DBH	Age		
								White Oak	1		10			
								Red Pine	2		16			
								Black/Red (Hybrid) Oak	5		15			
	White Pine	92		13	75									
	Sub-Canopy Species	Density	Avg. Height	Size										
		White Pine	Low	Variable	Variable									
		Ironwood	Low	Variable	Variable									
		Beech	Low	Variable	Variable									
Red Maple		Medium	Variable	Variable										
Bigtooth Aspen	Full	>20 feet	>20 feet											
37	4130 - Aspen	Sapling Well	13.2	27	1-50	N/A	The NCT runs though the stand. Cut in the North Country Aspen sale. #093 1997							
								Canopy Species	% Cover	Size Class	DBH	Age		
								Red Oak	5		14			
								White Pine	5	Seedling	8			
								Red Maple	5	Log	3			
	Bigtooth Aspen	85	Pole	4	27									
	Sub-Canopy Species	Density	Avg. Height	Size										
		Ironwood	Trace	5 - 10 feet	5 - 10 feet									
		White Pine	Low	Variable	Variable									
		White Oak	Low	Variable	Variable									
Beech		Trace	5 - 10 feet	5 - 10 feet										
38	42110 - Planted Red Pine	Poletimber Well	24.1	69	141-170	N/A	Red pine stand along a creek bluff. Minor amounts of aspen and other hardwoods also present. There are decline pockets scattered in the stand with heavy deer browse. Overall the red pine has not responded to the last thinning. Thinned in Nottingham Red Pine (62-092-97) in 1998. Thinned as part of Downhill Pine (63-014-07) in 2009. Second thinning.							
								Canopy Species	% Cover	Size Class	DBH	Age		
								Red Maple	3		8			
								Red Pine	95		11	69		
								Black/Red (Hybrid) Oak	1		12			
	White Pine	1		17										
	Sub-Canopy Species	Density	Avg. Height	Size										
		Red Maple	Medium	Variable	Variable									
		White Oak	Low	Variable	Variable									
		Ironwood	Low	Variable	Variable									
Autumn Olive		Low	5 - 10 feet	5 - 10 feet										
Beech	Low	Variable	Variable											
Red Oak	Medium	Variable	Variable											
39	710 - Sand, Soil	Unspecifed	3.0			No	Popular camping site along the river. Two track runs along bluff. A "donut" spot for utv's is present and adding erosion down the bluff.							
								Sub-Canopy Species	Density	Avg. Height	Size			
								Red Maple	Low	>20 feet	>20 feet			
								White Oak	Low	>20 feet	>20 feet			
								Red Pine	Low	>20 feet	>20 feet			
	White Pine	Low	>20 feet	>20 feet										
	40	4131 - Aspen, Oak	Sapling Poor	69.4	4	Immature		N/A	Stand was final harvested in winter 2021/22 with oak under 6 inches left along with white pine saplings as well. Will be mixed oak/aspen/maple/white pine. (Wexford County Classic, 63-028-17). Heavy deer browse on new tree stems. Great sprouts from harvested maple and oak. Better regen in western half than the eastern half.					
										Canopy Species	% Cover	Size Class	DBH	Age
										White Pine	15	Sapling	5	
										Red Oak	30	Sapling	6	
Red Maple							10			Pole	4			
Bigtooth Aspen		45	Log	1	4									
Sub-Canopy Species		Density	Avg. Height	Size										
		White Pine	Low	Variable	Variable									
		Red Oak	Medium	Variable	Variable									
		Red Maple	High	Variable	Variable									
	Bigtooth Aspen	High	5 - 10 feet	5 - 10 feet										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																																												
41	4199 - Other Mixed Upland Deciduous	Sawtimber Well	82.1	60	81-110	N/A	Stand of oak that occurs along the bluff to the Manistee River. Area at foot of slope is a variable mix of species. The slope is mostly oak and aspen. Area on top of the bluff tends towards mature oak with maple and aspen mixed.																																																																																																												
<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>5</td><td></td><td>12</td><td></td></tr><tr><td>White Pine</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>White Oak</td><td>15</td><td></td><td>12</td><td></td></tr><tr><td>Red Oak</td><td>40</td><td></td><td>12</td><td>60</td></tr><tr><td>Sugar Maple</td><td>5</td><td></td><td>18</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td></td><td>10</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>20</td><td></td><td>9</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	5		12		White Pine	5		14		White Oak	15		12		Red Oak	40		12	60	Sugar Maple	5		18		Red Maple	10		10		Bigtooth Aspen	20		9																																																																					
Canopy Species	% Cover	Size Class	DBH	Age																																																																																																															
Red Pine	5		12																																																																																																																
White Pine	5		14																																																																																																																
White Oak	15		12																																																																																																																
Red Oak	40		12	60																																																																																																															
Sugar Maple	5		18																																																																																																																
Red Maple	10		10																																																																																																																
Bigtooth Aspen	20		9																																																																																																																
42	4131 - Aspen, Oak	Poletimber Well	13.8	45	81-110	N/A	Stand occurs on a steep bluff and ridgetop.																																																																																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>5</td><td></td><td>8</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>60</td><td></td><td>7</td><td>45</td></tr><tr><td>Red Pine</td><td>5</td><td></td><td>10</td><td></td></tr><tr><td>Red Oak</td><td>25</td><td></td><td>16</td><td></td></tr><tr><td>White Oak</td><td>5</td><td></td><td>9</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	5		8		Bigtooth Aspen	60		7	45	Red Pine	5		10		Red Oak	25		16		White Oak	5		9																																																																															
Canopy Species	% Cover	Size Class	DBH	Age																																																																																																															
White Pine	5		8																																																																																																																
Bigtooth Aspen	60		7	45																																																																																																															
Red Pine	5		10																																																																																																																
Red Oak	25		16																																																																																																																
White Oak	5		9																																																																																																																
43	6118 - Lowland Deciduous with Cedar	Sapling Well	30.2	76	81-110	N/A	A variable mixed stand with pockets of quality and large diameter trees. Seasonally wet throughout, ash and elm have fallen out of the stand but remain as snags. Appears to have a higher incidence of nectria canker than most stand. A few scattered yellow birch near the river.																																																																																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Oak</td><td>5</td><td>Seedling</td><td>6</td><td></td><td>Musclewood/Hornbeam</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>Quaking Aspen</td><td>15</td><td></td><td>12</td><td></td><td>Ironwood</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Basswood</td><td>10</td><td>Seedling</td><td>9</td><td></td><td>Hawthorn (spp.)</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Basswood</td><td>5</td><td></td><td>17</td><td></td><td>Ash (spp.)</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Northern White Cedar</td><td>10</td><td></td><td>12</td><td></td><td>Black Locust</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Northern White Cedar</td><td>10</td><td>Seedling</td><td>7</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Hemlock</td><td>5</td><td></td><td>14</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Sugar Maple</td><td>5</td><td></td><td>10</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Sugar Maple</td><td>10</td><td></td><td>18</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Red Maple</td><td>5</td><td></td><td>18</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Bigtooth Aspen</td><td>20</td><td></td><td>15</td><td>76</td><td></td><td></td><td></td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	White Oak	5	Seedling	6		Musclewood/Hornbeam	Trace	Variable	Variable	Quaking Aspen	15		12		Ironwood	Medium	Variable	Variable	Basswood	10	Seedling	9		Hawthorn (spp.)	Medium	5 - 10 feet	5 - 10 feet	Basswood	5		17		Ash (spp.)	Low	Variable	Variable	Northern White Cedar	10		12		Black Locust	Low	Variable	Variable	Northern White Cedar	10	Seedling	7						Hemlock	5		14						Sugar Maple	5		10						Sugar Maple	10		18						Red Maple	5		18						Bigtooth Aspen	20		15	76				
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size																																																																																																										
White Oak	5	Seedling	6		Musclewood/Hornbeam	Trace		Variable	Variable																																																																																																										
Quaking Aspen	15		12		Ironwood	Medium		Variable	Variable																																																																																																										
Basswood	10	Seedling	9		Hawthorn (spp.)	Medium		5 - 10 feet	5 - 10 feet																																																																																																										
Basswood	5		17		Ash (spp.)	Low		Variable	Variable																																																																																																										
Northern White Cedar	10		12		Black Locust	Low		Variable	Variable																																																																																																										
Northern White Cedar	10	Seedling	7																																																																																																																
Hemlock	5		14																																																																																																																
Sugar Maple	5		10																																																																																																																
Sugar Maple	10		18																																																																																																																
Red Maple	5		18																																																																																																																
Bigtooth Aspen	20		15	76																																																																																																															



Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

44

6132 - Mixed Lowland Forest with Cedar

Poletimber Medium

25.8

128

51-80

N/A

Cedar and balsam fir with scattered large white pine and red maple. Flowing water is present during wet seasons. Some scattered blow down.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	8		13		Cattail spp.	Low	Not Applicable	Not Applicable
Northern White Cedar	40		8	128	Northern White Cedar	Low	Variable	Variable
Hemlock	10	Seedling	8		Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Basswood	5		16		Sugar Maple	Trace	Variable	Variable
Yellow Birch	8		13		Red Maple	Low	Variable	Variable
Quaking Aspen	2		14		Basswood	Low	Variable	Variable
Sugar Maple	2		13		White Ash	Trace	Variable	Variable
Red Maple	25		13		Black Ash	Low	Variable	Variable
					Musclewood/Hornbeam	Low	Variable	Variable

45

4130 - Aspen

Poletimber Well

16.3

62

81-110

N/A

Relatively flat stand with multiple height levels present under canopy.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	4	Seedling	9		Red Maple	Low	Variable	Variable
Red Pine	1		14		Serviceberry (Juneberry)	Trace	10 - 20 feet	10 - 20 feet
White Pine	5		11		White Pine	Medium	Variable	Variable
Red Oak	15		15		White Oak	Trace	Variable	Variable
Red Maple	15		10		Beech	Low	Variable	Variable
Bigtooth Aspen	60		10	62	Red Oak	Low	Variable	Variable

46

6128 - Lowland Coniferous, Mixed Deciduous

Sawtimber Well

11.5

124

111-140

N/A

Lowland pocket that is seasonally flooded. Ephemeral stream leaves the stand in the Southeast. Windthrow mounds throughout. Trace amounts red pine, oak on edges

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15		12		Yellow Birch	Low	>20 feet	>20 feet
Yellow Birch	5		10		Northern White Cedar	Low	>20 feet	>20 feet
Basswood	5		10		Hemlock	Low	>20 feet	>20 feet
White Pine	25		16	112				
Northern White Cedar	40		9	124				
Hemlock	10		12					

47

4139 - Aspen, Mixed Deciduous

Sawtimber Well

3.8

84

81-110

N/A

This stand was left following the adjacent timber sale. Abandoned wood ground blind in northeastern corner. Sugar maple understory developing in western half.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	5		11		Ironwood	Low	Variable	Variable
Basswood	5		12		Beech	Medium	Variable	Variable
Quaking Aspen	27		14	84	Sugar Maple	Medium	Variable	Variable
American Elm	5		12		Red Maple	Low	Variable	Variable
White Pine	3		13		Bigtooth Aspen	Low	Variable	Variable
Black Cherry	5		13					
Sugar Maple	10		7					
Red Maple	15		8					
Bigtooth Aspen	25		14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
48	4130 - Aspen	Poletimber Well	12.0	67	111-140	N/A	There are areas of seasonally wet conditions. A steep area with a creek seperates the two portions of the stand. The southern portion is surrounded by adjacent lowland complex. The northern portion contains steep slopes with flowing creek drainages and has generally hummocky ground. There are two small areas of blowdown, ~15 years ago, with good aspen regen.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Basswood	10		14		White Pine	Low		Variable	Variable
Quaking Aspen	50		10	67	Quaking Aspen	Medium		>20 feet	>20 feet
White Pine	2		12		Ironwood	Low		Variable	Variable
White Pine	2		32		Sugar Maple	Low		Variable	Variable
Red Oak	2		14		Red Maple	Medium		Variable	Variable
Red Pine	1		22		Beech	Trace		< 5 feet	< 5 feet
Sugar Maple	3		12		Hemlock	Trace		Variable	Variable
Red Maple	20		13						
Bigtooth Aspen	10		12	67					
49	4131 - Aspen, Oak	Poletimber Well	25.4	62	111-140	N/A	This stand occurs above the bluff leading to the Manistee River. Aspen transitions from dense the western portion to a more maple oak aspen stand in the east. Oak throughout the stand suggests a period of open growth. A few red pine are "origin" stock. NCT runs through the stand along the bluff.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	1	Seedling	8		Ironwood	Low		Variable	Variable
White Oak	5		16		White Pine	Trace		Variable	Variable
Red Oak	15		18		Red Maple	Low		Variable	Variable
Red Oak	10	Seedling	8		Beech	Low		Variable	Variable
White Pine	9		12		Red Oak	Medium		Variable	Variable
Red Maple	15		10		White Oak	Low		Variable	Variable
Bigtooth Aspen	45		11	62					
50	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	34.7	72	81-110	N/A	aspen and oak with white pine throughout.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Oak	25		15		Red Maple	Low	Variable	Variable	
Red Pine	5		16		White Pine	Medium	Variable	Variable	
White Pine	25		14		Red Oak	Low	>20 feet	>20 feet	
Red Maple	10		12		Ironwood	Medium	Variable	Variable	
Bigtooth Aspen	35		13	72	Witch Hazel	Low	5 - 10 feet	5 - 10 feet	
51	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	9.0	124	51-80	N/A	Stand contains Anderson Creek		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple	10	Seedling	6		Balsam Fir	Low	Variable	Variable	
Quaking Aspen	10		13		White Pine	Low	Variable	Variable	
White Pine	10		12		Beech	Low	Variable	Variable	
Red Oak	5		16		Northern White Cedar	Low	Variable	Variable	
Northern White Cedar	35		9	124	Hemlock	Low	>20 feet	>20 feet	
Hemlock	30		12						





MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
55	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	11.5	115	51-80	N/A	Mixed hardwood/cedar stand along river that is seasonally flooded. Abundant winter deer sign and ironwood understory.





<



<





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
77	42110 - Planted Red Pine	Sawtimber Well	136.5	65	81-110	N/A	Thinned in Natty Pine sale (63-077-97) in 2000. Stand last thinned in 2017 under the 131 Red Pine contract (63-001-17). Aspen and maple were spec cut.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	1		15		White Ash	Trace		5 - 10 feet	5 - 10 feet
Red Oak	5		18		White Oak	Low		Variable	Variable
Red Pine	94		11	65	Red Maple	Full		Variable	Variable
					Bigtooth Aspen	Low		10 - 20 feet	10 - 20 feet
					Ironwood	Low		Variable	Variable
					Autumn Olive	Trace		5 - 10 feet	5 - 10 feet
					Beech	Low		5 - 10 feet	5 - 10 feet
					Red Oak	Medium		5 - 10 feet	5 - 10 feet
78	4130 - Aspen	Sapling Well	19.9	15	1-50	N/A	Some more open areas in the northern portion of the stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	10	Log	2	15	White Pine	Low		10 - 20 feet	10 - 20 feet
Red Oak	10	Pole	4		Ironwood	Low		Variable	Variable
Sugar Maple	5		18		Autumn Olive	Low		5 - 10 feet	5 - 10 feet
Red Maple	5	Pole	4		White Oak	Low		10 - 20 feet	10 - 20 feet
Bigtooth Aspen	70	Log	2	15	Blackberry/Raspberry	Low	5 - 10 feet	5 - 10 feet	
79	42100 - Planted White Pine	Poletimber Well	28.9	64	111-140	N/A	Row thinned in a take two leave two pattern. All red maple, aspen and jack pine was spec cut. Cut in 2010 as part of 6 Rd. Mix 63-010-07Generally well formed white pine for plantation origin.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	99		10	64	Beech	Low		Variable	Variable
Black Cherry	1		14		Ironwood	Medium		Variable	Variable
					Witch Hazel	Trace		5 - 10 feet	5 - 10 feet
					Red Maple	Medium		Variable	Variable
					Bigtooth Aspen	Medium	>20 feet	>20 feet	
80	4130 - Aspen	Poletimber Well	22.3	53	81-110	N/A	Age is an average of 4 core samples. Generally healthy aspen stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	25		10	53	Red Maple	Medium		Variable	Variable
Red Pine	2		15		White Pine	Medium		Variable	Variable
White Pine	5		18		White Ash	Low		Variable	Variable
White Pine	5	Seedling	9		Beech	Low		Variable	Variable
Red Maple	5		10		Red Oak	Low		>20 feet	>20 feet
Bigtooth Aspen	58		12	53	Ironwood	High		Variable	Variable
					Autumn Olive	Low		5 - 10 feet	5 - 10 feet
					Witch Hazel	Low		5 - 10 feet	5 - 10 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
81	4130 - Aspen	Sapling Well	17.4	7	Immature	N/A	Stand was final harvested in 2018 (Anderson Creek Aspen, 63-024-17), spring time short wood operation. Great aspen regen post harvest		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	50	Log	2	7	Ironwood	Medium		Variable	Variable
Quaking Aspen	45	Log	2						
Black Cherry	5	Seedling	8						
82	42110 - Planted Red Pine	Sawtimber Well	2.4	60	81-110	N/A	Stand was thinned in 2018 (Anderson Creek Aspen, 63-024-17). Hardwood and aspen were spec cut.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	5		15		Bigtooth Aspen	Medium		Variable	Variable
Red Pine	95		12	60	Ironwood	Low		Variable	Variable
					Beech	Low		Variable	Variable
					White Pine	Low		>20 feet	>20 feet
					Black Cherry	Low		Variable	Variable
83	4130 - Aspen	Sapling Well	57.9	25	1-50	N/A	Young aspen stand that is growing well. Cut as part of Frys Mix (63-086-97). Gently rolling terrain throughout the stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	15	Sapling	5	25	White Oak	Low		Variable	Variable
Red Oak	3		14		White Pine	Low		Variable	Variable
White Pine	7		12		Red Oak	Low		Variable	Variable
Red Maple	10	Pole	3		Ironwood	Medium		Variable	Variable
Bigtooth Aspen	65	Sapling	5	25	Witch Hazel	Medium		5 - 10 feet	5 - 10 feet
					Red Maple	Low	Variable	Variable	
84	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	3.4	75	81-110	N/A	Ephemeral stream runs through the stand and has moderate to steep slopes leading down to it. Mixed hardwoods and some conifer		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Oak	15		15		Hawthorn (spp.)	Low		5 - 10 feet	5 - 10 feet
Red Pine	1		24		Ironwood	Medium		>20 feet	>20 feet
Basswood	15	Seedling	9		Musclewood/Hornbeam	Low		Variable	Variable
Basswood	10		17						
Quaking Aspen	25		11	75					
White Pine	5		15						
Sugar Maple	9		12						
Red Maple	20		10						
85	310 - Herbaceous Openland	Unspecified	1.9			No	this opening was previously under a trespass from the adjoining landowner and was used as pasture. The trespass was corrected in 2007 and the land has been returned to state ownership.		
					Sub-Canopy Species	Density		Avg. Height	Size
					White Pine	Low		>20 feet	>20 feet
					White Pine	Low		>20 feet	>20 feet



MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
86	4119 - Mixed Northern Hardwoods	Sawtimber Well	23.6	82	81-110	N/A	Stand buffers contains steep banks with very limited access. Anderson creek runs through the stand			
<div>Canopy Species</div>		<div>% Cover</div>	<div>Size Class</div>	<div>DBH</div>	<div>Age</div>	<div>Sub-Canopy Species</div>		<div>Density</div>	<div>Avg. Height</div>	<div>Size</div>
Basswood		15	Sapling	12		Musclewood/Hornbeam		Trace	Variable	Variable
White Pine		10		13		Ironwood		Low	Variable	Variable
Ironwood		5		6		Sugar Maple		Low	Variable	Variable
Sugar Maple		30		14	82	Red Maple		Low	Variable	Variable
Red Maple		20		10						
Bigtooth Aspen		10		13						
Red Oak		3		8						
Northern White Cedar		5		9						
Hemlock		2		10						

87	42290 - Natural Mixed Pine	Sawtimber Well	24.2	77	111-140	N/A	Natural pine stand with evidence of past management (old skids up/downslope). Steep slope in the west that leads down to Anderson Creek. White pine is well formed, particularly in the smaller size classes.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		5	Seedling	9		White Pine	Low	Variable	Variable
Red Pine		20	19		White Oak	Trace	10 - 20 feet	10 - 20 feet	
Black/Red (Hybrid) Oak		10	12		Quaking Aspen	Medium	>20 feet	>20 feet	
White Pine		40	15	77	Ironwood	Medium	Variable	Variable	
White Pine		15		9		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Sugar Maple		5		13		Beech	Low	Variable	Variable
Red Maple		5		12					
88	3302 - Low Density Conifer Trees	Unspecified	3.2			No	Sub-Canopy Species Density Avg. Height Size Red Maple Low >20 feet >20 feet Basswood Low >20 feet >20 feet White Pine Low >20 feet >20 feet		
89	310 - Herbaceous Openland	Unspecified	10.7			No	Sub-Canopy Species Density Avg. Height Size Bigtooth Aspen Low >20 feet >20 feet Jack Pine Low 10 - 20 feet 10 - 20 feet Black Cherry Low >20 feet >20 feet Basswood Trace >20 feet >20 feet Red Oak Low >20 feet >20 feet Quaking Aspen Low Variable Variable Autumn Olive Medium 5 - 10 feet 5 - 10 feet		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																											
90	4130 - Aspen	Sapling Well	90.9	15	1-50	N/A	Aspen stand that was harvested in 2010/11 under the Hanover Aspen sale (63-049-08). Brush piles were left for habitat and lots of edge was created with the stand boundary. All red pine, sugar maple and oak was left. Abundant autumn olive throughout 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>30</td><td>Pole</td><td>3</td><td>15</td></tr><tr><td>Red Pine</td><td>2</td><td></td><td>10</td><td></td></tr><tr><td>Sugar Maple</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>48</td><td>Pole</td><td>3</td><td>15</td></tr><tr><td>Red Oak</td><td>15</td><td></td><td>15</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	30	Pole	3	15	Red Pine	2		10		Sugar Maple	5		14		Bigtooth Aspen	48	Pole	3	15	Red Oak	15		15																																														
Canopy Species	% Cover	Size Class	DBH	Age																																																																														
Quaking Aspen	30	Pole	3	15																																																																														
Red Pine	2		10																																																																															
Sugar Maple	5		14																																																																															
Bigtooth Aspen	48	Pole	3	15																																																																														
Red Oak	15		15																																																																															
91	4131 - Aspen, Oak	Poletimber Well	12.7	27	51-80	N/A	NCT runs through the stand along the bluff. Cut in the North Country Aspen sale. #093 1997																																																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Oak</td><td>5</td><td></td><td>15</td><td></td></tr><tr><td>Red Oak</td><td>10</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Red Oak</td><td>5</td><td></td><td>17</td><td></td></tr><tr><td>White Pine</td><td>10</td><td></td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>30</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>40</td><td>Seedling</td><td>6</td><td>27</td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	White Oak	5		15		Red Oak	10	Seedling	8		Red Oak	5		17		White Pine	10		12		Red Maple	30	Sapling	5		Bigtooth Aspen	40	Seedling	6	27	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Bigtooth Aspen</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Pine</td><td>Trace</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	White Oak	Low	Variable	Variable	Red Maple	High	Variable	Variable	Bigtooth Aspen	Medium	Variable	Variable	White Pine	Trace	Variable	Variable	Red Pine	Trace	Variable	Variable																	
Canopy Species	% Cover	Size Class	DBH	Age																																																																														
White Oak	5		15																																																																															
Red Oak	10	Seedling	8																																																																															
Red Oak	5		17																																																																															
White Pine	10		12																																																																															
Red Maple	30	Sapling	5																																																																															
Bigtooth Aspen	40	Seedling	6	27																																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																																															
White Oak	Low	Variable	Variable																																																																															
Red Maple	High	Variable	Variable																																																																															
Bigtooth Aspen	Medium	Variable	Variable																																																																															
White Pine	Trace	Variable	Variable																																																																															
Red Pine	Trace	Variable	Variable																																																																															
92	4133 - Aspen, Mixed Pine	Poletimber Medium	19.8	65	1-50	N/A	Stand occurs along Anderson creek and has an upland and creek side component. Area adjacent to stand 38 appears to have been harvested at some point in the past.																																																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Basswood</td><td>20</td><td></td><td>13</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>45</td><td></td><td>13</td><td>65</td></tr><tr><td>Red Pine</td><td>2</td><td></td><td>12</td><td></td></tr><tr><td>White Pine</td><td>25</td><td></td><td>14</td><td></td></tr><tr><td>Black Cherry</td><td>3</td><td></td><td>12</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Basswood	20		13		Red Maple	5		12		Bigtooth Aspen	45		13	65	Red Pine	2		12		White Pine	25		14		Black Cherry	3		12		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Autumn Olive</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Autumn Olive	High	5 - 10 feet	5 - 10 feet																																	
Canopy Species	% Cover	Size Class	DBH	Age																																																																														
Basswood	20		13																																																																															
Red Maple	5		12																																																																															
Bigtooth Aspen	45		13	65																																																																														
Red Pine	2		12																																																																															
White Pine	25		14																																																																															
Black Cherry	3		12																																																																															
Sub-Canopy Species	Density	Avg. Height	Size																																																																															
Autumn Olive	High	5 - 10 feet	5 - 10 feet																																																																															
93	4139 - Aspen, Mixed Deciduous	Poletimber Well	8.8	68	81-110	N/A																																																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>10</td><td></td><td>8</td><td></td></tr><tr><td>White Pine</td><td>5</td><td></td><td>18</td><td></td></tr><tr><td>White Pine</td><td>10</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td></td><td>10</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>30</td><td></td><td>10</td><td>68</td></tr><tr><td>Beech</td><td>10</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Red Oak</td><td>5</td><td></td><td>20</td><td></td></tr><tr><td>Red Oak</td><td>10</td><td>Seedling</td><td>9</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	10		8		White Pine	5		18		White Pine	10	Seedling	8		Red Maple	20		10		Bigtooth Aspen	30		10	68	Beech	10	Seedling	7		Red Oak	5		20		Red Oak	10	Seedling	9		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Oak</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Cherry</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Beech</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><tr><td>Ironwood</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	White Oak	Trace	Variable	Variable	White Pine	Medium	Variable	Variable	Black Cherry	Low	Variable	Variable	Beech	Low	Variable	Variable	Quaking Aspen	Low	Variable	Variable	Ironwood	Low	Variable	Variable	Red Maple	Medium	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																																														
Quaking Aspen	10		8																																																																															
White Pine	5		18																																																																															
White Pine	10	Seedling	8																																																																															
Red Maple	20		10																																																																															
Bigtooth Aspen	30		10	68																																																																														
Beech	10	Seedling	7																																																																															
Red Oak	5		20																																																																															
Red Oak	10	Seedling	9																																																																															
Sub-Canopy Species	Density	Avg. Height	Size																																																																															
White Oak	Trace	Variable	Variable																																																																															
White Pine	Medium	Variable	Variable																																																																															
Black Cherry	Low	Variable	Variable																																																																															
Beech	Low	Variable	Variable																																																																															
Quaking Aspen	Low	Variable	Variable																																																																															
Ironwood	Low	Variable	Variable																																																																															
Red Maple	Medium	Variable	Variable																																																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
94	4311 - Pine, Aspen Mix	Poletimber Well	37.8	72	51-80	N/A	Stand touches Manistee river on two sides and is mostly flat. Full understory of white pine that is free to grow. Aspen will fall out of the stand in the next 10 years.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		9		12		White Oak		Low	< 5 feet	< 5 feet
White Oak		5	Sapling	7		White Pine		Full	10 - 20 feet	10 - 20 feet
Quaking Aspen		35		8	72	Black Cherry		Low	5 - 10 feet	5 - 10 feet
Red Oak		5		16		Hawthorn (spp.)		Trace	5 - 10 feet	5 - 10 feet
White Pine		35	Seedling	7		Musclewood/Hornbeam		Trace	5 - 10 feet	5 - 10 feet
White Pine		10		20						
Jack Pine		1		13						
95	42110 - Planted Red Pine	Poletimber Well	69.1	68	141-170	N/A	First thin in 1997 as part of Phoenix Pine (62-091-97). Thinned as part of Downhill Pine (63-014-07) in 2009, second thinning. North Country Trail runs through the stand along the river			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		2		10		White Pine		Medium	Variable	Variable
Red Pine		90		10	68	Red Maple		Low	Variable	Variable
White Oak		3		18		White Ash		Low	5 - 10 feet	5 - 10 feet
White Pine		2		12		White Oak		High	Variable	Variable
Black Cherry		2		13		Beech		Low	Variable	Variable
Red Oak		1		14		Red Oak		Low	Variable	Variable
96	4123 - Red Oak	Sawtimber Well	41.0	102	81-110	N/A	Stand of red oak that occurs on top of the bluff leading down to the Manistee river. Appears to have been thinned 40 or so years ago based on stump sprouts. Few small pockets of aspen			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		10		14		Ironwood		High	Variable	Variable
Red Maple		10		10		Red Oak		Low	>20 feet	>20 feet
Bigtooth Aspen		5		12		White Pine		Medium	Variable	Variable
Basswood		5		12		Red Maple		Low	Variable	Variable
Red Oak		15	Seedling	9						
Red Oak		55		20	102					
97	4130 - Aspen	Sapling Poor	47.1	4	Immature	N/A	Stand was final harvested and chipped in 2021. Retention island left as shown in site condition layer. (Wexford County Classic, 63-028-17)			
Canopy Species		% Cover	Size Class	DBH	Age					
White Pine		5	Log	1						
Quaking Aspen		10	Log	1						
White Oak		3	Log	1						
Bigtooth Aspen		80	Log	1	4					
Red Oak		2	Log	1						







</



<





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
118	429 - Mixed Upland Conifers	Sawtimber Well	6.9	60	51-80	N/A	Stand contains Anderson Creek. Steep banks to the creek limit access.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		3		10		Ironwood		Low	Variable	Variable
Quaking Aspen		20		14		White Pine		Medium	Variable	Variable
White Pine		5		22		Beech		Low	Variable	Variable
White Pine		30		12	60	Northern White Cedar		Low	>20 feet	>20 feet
Northern White Cedar		27	Seedling	8						
Hemlock		15		11						
119	4110 - Sugar Maple Association	Sawtimber Well	4.8	111	111-140	N/A	hardwood stand that occurs along river. N hardwood with cedar. Ash component is dying due to EAB.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		5		9		Hawthorn (spp.)		Low	5 - 10 feet	5 - 10 feet
Sugar Maple		15	Seedling	8		Ironwood		Low	Variable	Variable
Sugar Maple		40		16	111	Musclewood/Hornbeam		Low	Variable	Variable
Basswood		25		11		Beech		Low	Variable	Variable
Beech		5		15		Northern White Cedar		Low	>20 feet	>20 feet
Northern White Cedar		10		13	125	Sugar Maple		Low	Variable	Variable
						Red Maple		Low	Variable	Variable
120	4130 - Aspen	Sapling Well	2.9	25	1-50	N/A	Small aspen stand that was likely cut as part of Frys Mix (63-086-97).			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Basswood		5		13		Beech		Trace	Variable	Variable
Sugar Maple		5		24		Hawthorn (spp.)		Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		10	Pole	4	25	Autumn Olive		Medium	5 - 10 feet	5 - 10 feet
Quaking Aspen		50	Pole	4	25	Witch Hazel		Low	5 - 10 feet	5 - 10 feet
Ironwood		20	Log	3						
Black Cherry		10	Seedling	6						
121	4130 - Aspen	Poletimber Well	13.5	40	81-110	N/A	Stand occurs on the bluff top and contains the slope of the bluff and hillside down to the road. Mostly young aspen but some mixed older aspen is present.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Basswood		5		12		White Oak		Low	Variable	Variable
Quaking Aspen		10	Seedling	6		Red Oak		Low	Variable	Variable
Red Oak		5		16	90	White Pine		Medium	Variable	Variable
White Oak		3		9		Autumn Olive		Trace	5 - 10 feet	5 - 10 feet
White Pine		5		14		Witch Hazel		High	5 - 10 feet	5 - 10 feet
Sugar Maple		5		13						
Red Maple		5		14						
Bigtooth Aspen		62		7	40					
122	330 - Low-Density Trees	Unspecified	1.4			No	OPIC - FMD: a few dispersed picnic/campsites along the river.			