

Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 73004

Entry Year: 2027

Acreage: 3,281

County: Clare

Management Area: High Sand Plains

Stand Examiner: Colton Behrmann

Legal Description:

T20N R4W, Sections 4-8, 17-18. T20N R5W, Sections 1, 12, and 13.

Identified Planning Goals:

The compartment has a variety of covertypes ranging from non-forested wetland and swamp hardwood in the low lying areas to pines, aspen, oak and open herbaceous on the upland areas. There is a fair amount of diversity in the compartment that should be maintained so continue to manage the compartment for the current covertypes.

Soil and topography:

The terrain in the area is generally flat. However there are some moderate topography changes near Haskell Lake, the Muskegon River, and in sections 7, 18, and 13. The major upland soil types are Grayling and Graycalm associations. The lowland soil associations are mainly Lupton, Markey and Tawas mucks in the marshes and lowland shrubs stands and Wheatly and Winterfield-Evart association on the river flood plains.

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

There are some private in-holdings including residencies and/or cabins within this compartment. To the north of this compartment is mainly State forest land in Roscommon County. To the west is mixed private and State ownership including the town of Leota. To the south and east is mixed State and private holdings.

Unique Natural Features:

This area has the potential to provide habitat for a wide variety of sensitive wildlife and vegetation including red-shouldered hawk, loons, eagles, osprey, Kirtland's warbler, goshawk, Blanding's turtle, wood turtle, eastern box turtle, spotted turtle, great blue heron rookery, and round pigtoe (mussel). It also has potential for beak grass and broad-leaved puccoon in stands that are along the Muskegon River.

There are records of a poor quality pine barrens in section 7 and an old record of massauga in section 13.

Archeological, Historical, and Cultural Features:

There are several old foundations and homestead openings throughout this compartment.

Special Management Designations or Considerations:

The boundaries of compartment 4 have been modified to put the critical KW habitat into compartment 9 and 10.

Watershed and Fisheries Considerations:

The Muskegon River bisects the North West portion of this compartment and Townline Creek bisects the north east portion of this compartment. The north half of Haskell Lake and the Rice Pond are also within this compartment.

Wildlife Habitat Considerations:

Compartment #4. Upland systems are dominant in this compartment, making it suitable for a number of early forest successional wildlife species. Stands of aspen and oak are prevalent, although, there are lowland cover types and coniferous stands present. Species such as Ruffed grouse, white-tailed deer and American woodcock are quite common. Furbearers including beaver, mink, muskrat, black bear, bobcat, and coyote use the lowlands as corridors as well as year-round habitat. Other game species likely to be present in this compartment include black bear, bobcat, raccoon, coyote, wild turkey and snowshoe hare. Many bird species stand to benefit from the juxtaposition of lowland and upland habitats present in the compartment. These include common yellowthroat, yellow-rumped warbler, gray catbird, red-eyed vireo, white-throated sparrow, hermit thrush and red-breasted nuthatch. The compartment is easily accessible to hunters via Pierce Road.

Mineral Resource and Development Concerns and/or Restrictions

An active sand/gravel operation exists on private land within Sec 7, and there appears to be similar potential for sand & gravel within the compartment on the uplands. The Cranberry Lake oil & gas field is within a couple miles west of the compartment. Part of the field has been converted to gas storage, but some oil production still occurs. There does not appear to be significant potential for oil & gas production from beneath the compartment, however. There has been no recent well permit activity in the immediate area, and there is no current leasing activity involving State-owned mineral rights

in the compartment. Expansion of gas storage in this area is unlikely. No known metallic mineral potential exists in this part of the state. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Overall, access throughout this compartment is relatively extensive. Several county roads bisect the compartment and there are two track roads throughout. The roads that are in place seem to be causing minimal environmental impact. Several RDR have been initiated and completed around Haskell Lake to address the problems mentioned in the narrative for the last YOE.

Survey Needs:

Survey corner requests have been submitted for sections 6 & 7 in 20N 04W.

Recreational Facilities and Opportunities:

The Leota snowmobile trail and the ORV trail run throughout this compartment and north into Roscommon and Missaukee Counties. The Leota ORV Trailhead and scramble area are in place just to the east of the Jonesville Bridge in section 1 of T20N R5W. Focus retention pockets or clusters along or near trail. Ensure logging activity does not obliterate the designated trails by limiting the number of crossings. All stumps within 20 feet of the trail shall be Flush-Cut to ensure stumps do not result in unsafe conditions. Assure 'logging ahead' warning signs are placed on the designated trails and main access roads during logging activity. Ensure designated trails signs, post and directional markers are protected. If harvest activities occur during the snowmobile season of December 1 thru March 31 a snow bed must be preserved. Placement of material on the trail due to icy conditions will need to be approved by the department.

Fire Protection:

This compartment is in the Zone 4 dispatch area. Some suppression concerns include overgrown and narrow roads in areas, potentially explosive pine fuels, and the Muskegon River bisects an area in the NW corner of the compartment with the only usable bridge being in Leota. As mentioned before ORV use is heavy within this compartment, this poses a fire threat as users may start dispersed camping fires and illegal ORV's with no spark arrestors have the potential to start several dispersed fires.

Additional Compartment Information:

The following reports from the Inventory are attached:

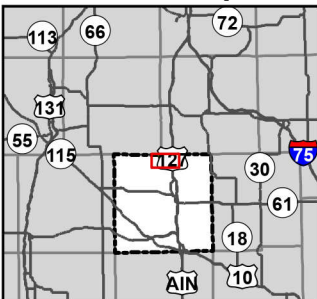
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

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

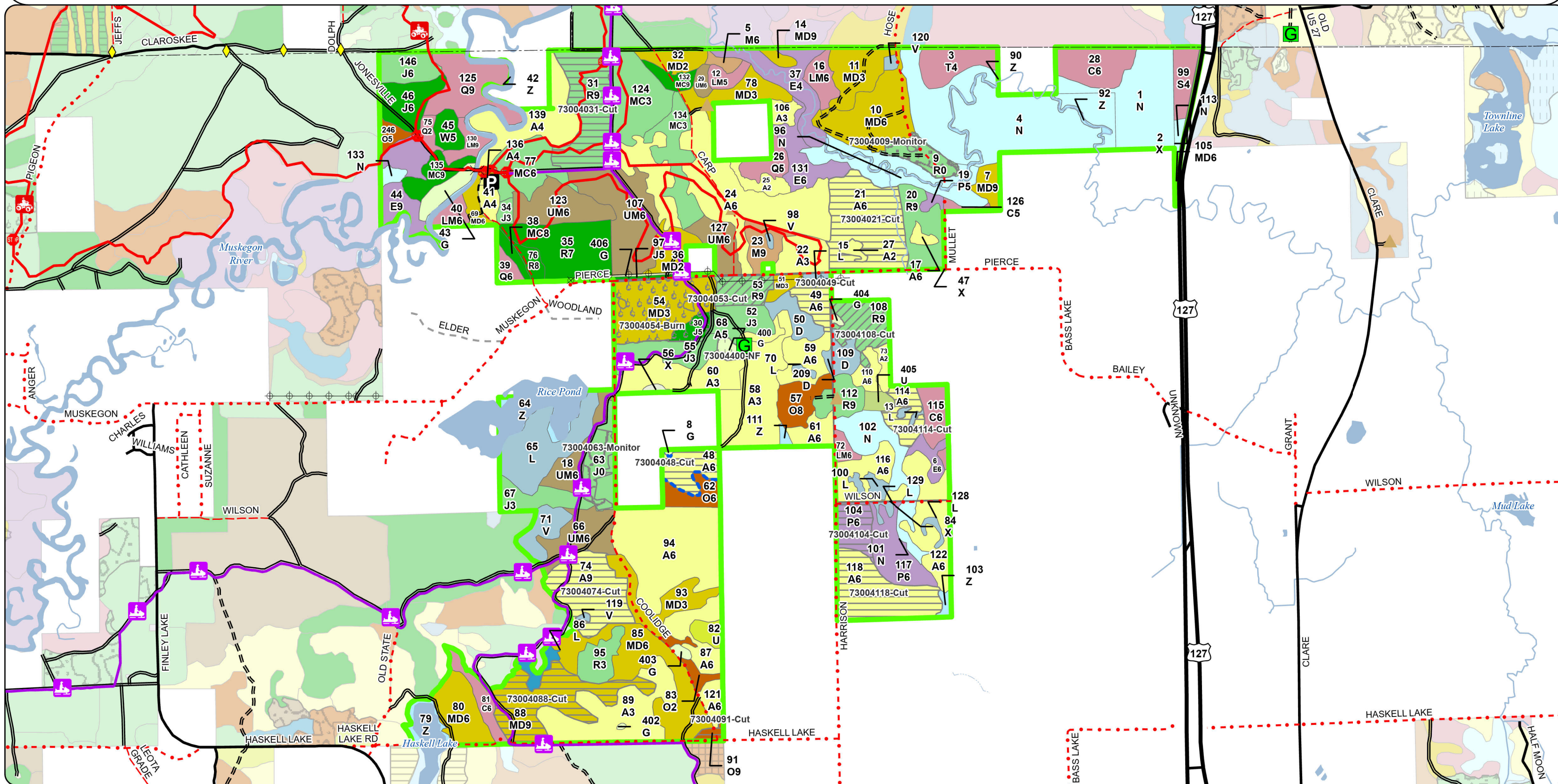
Cover Type & Treatments Map

Compartment: 73004
T20N R04W 04-08, 16-18
County: Clare
Unit: Gladwin
Mgmt. Area: High Sand Plains
YOE: 2027
Acres: 3,281 GIS Calculated
Examiner: Colton Behrmann
Date Exported: 9/23/2025
Map Phase: Post Review

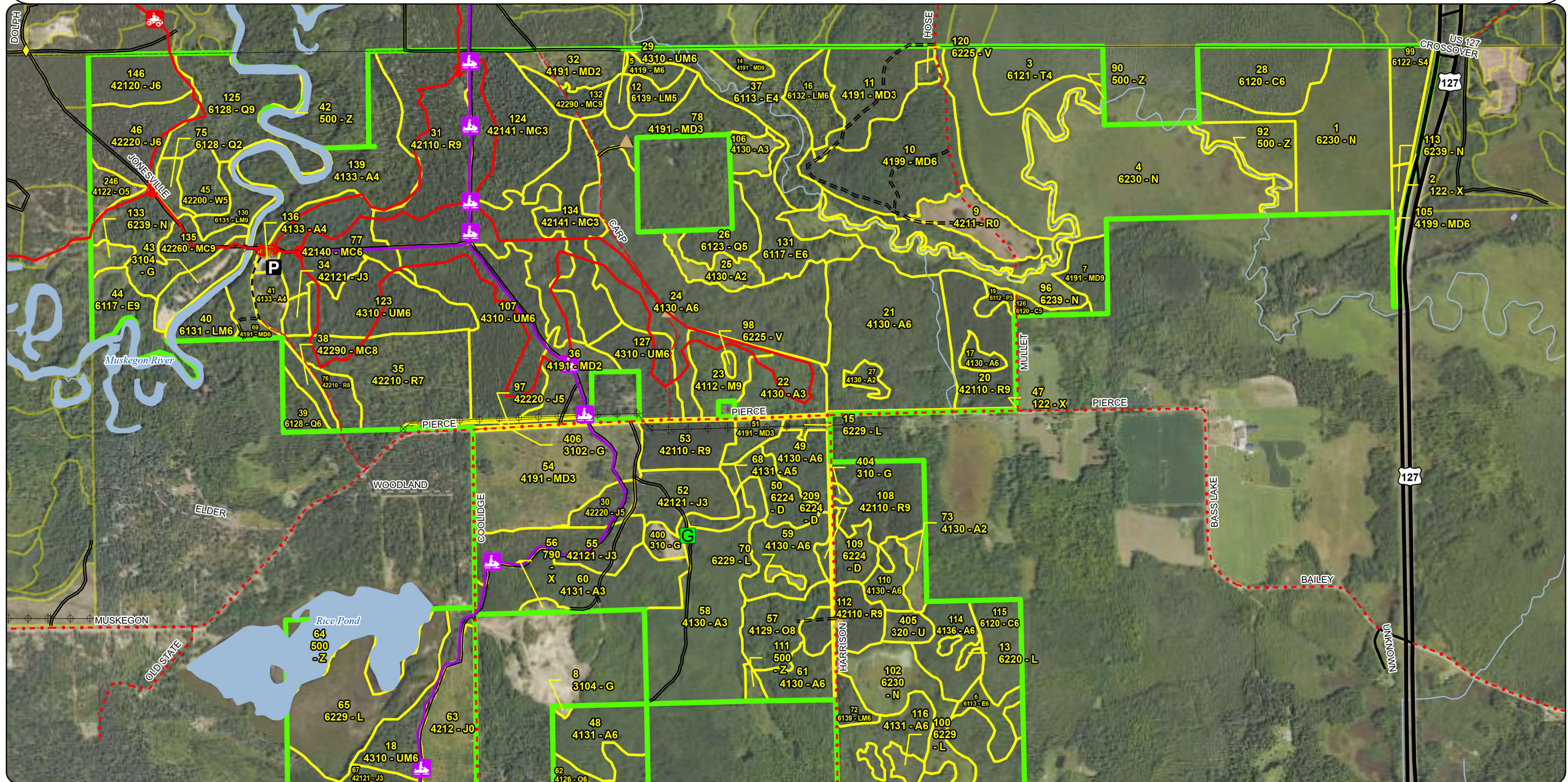


- Survey Grade Corners
- Berms
- Gate
- Bridges
- Parking Lot
- Sign
- Trailhead
- Designated Snowmobile Trails
- Designated ATV Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River
- Powerline
- Lakes and Rivers
- Counties
- Clearcut
- Thinning
- Prescribed Burn
- Openings Mgmt.
- Monitoring - Regeneration
- Treatments with Site Conditions

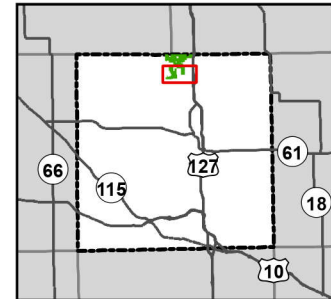
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested Wetland
- 790 - Other Bare/Sparsely Vegetated



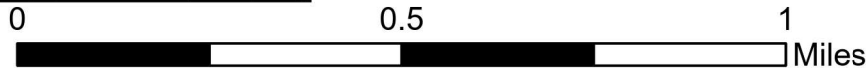
- | | |
|--------------------------------|-------------------------------------|
| 412 - Oak Types | 612 - Lowland Coniferous Forest |
| 413 - Aspen | 613 - Lowland Mixed Forest |
| 419 - Mixed Upland Deciduous | 122 - Road/Parking Lot |
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Stand Boundary Map

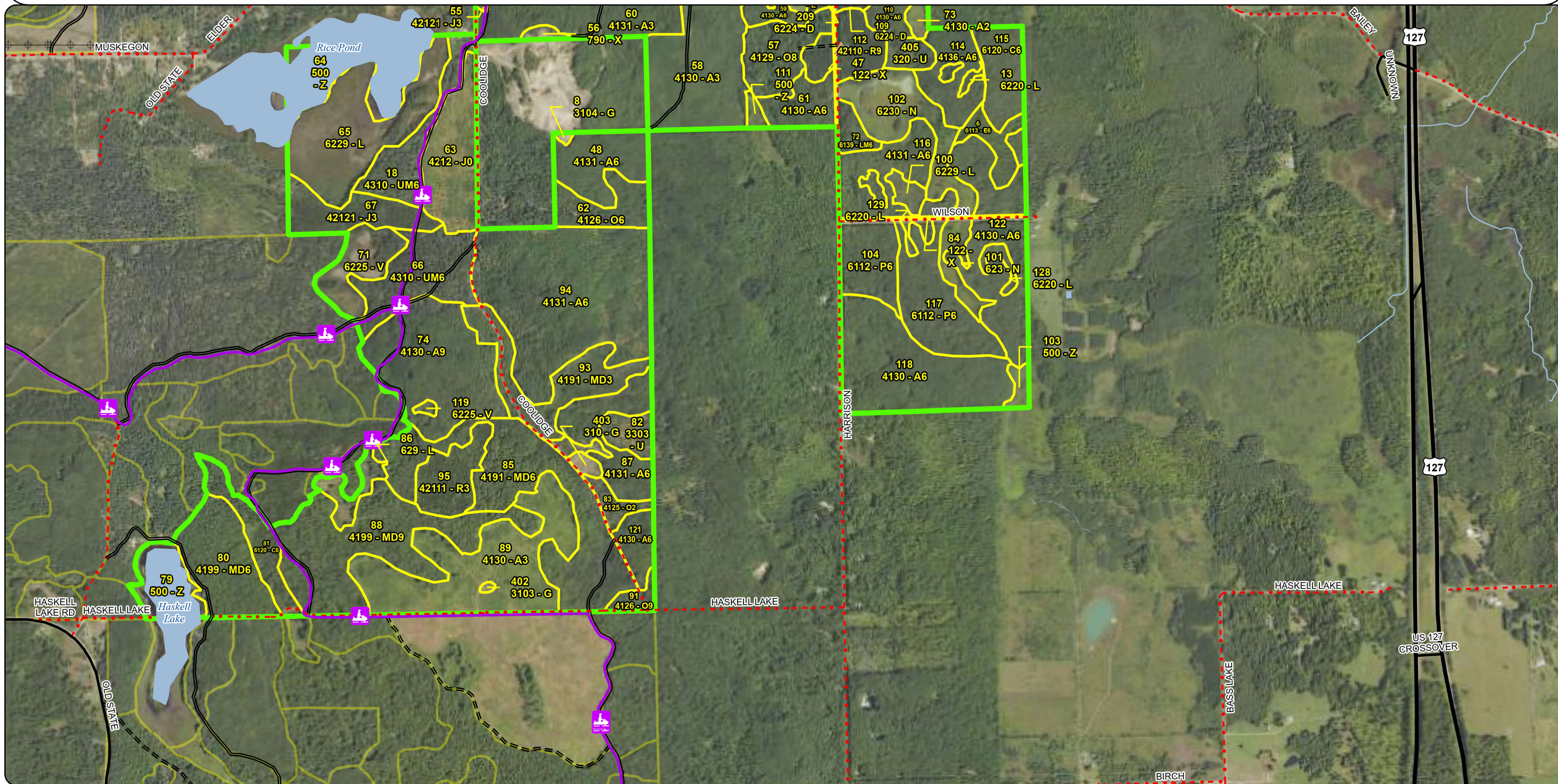


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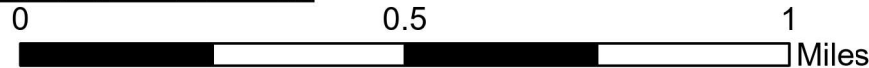









- ▲ Berms
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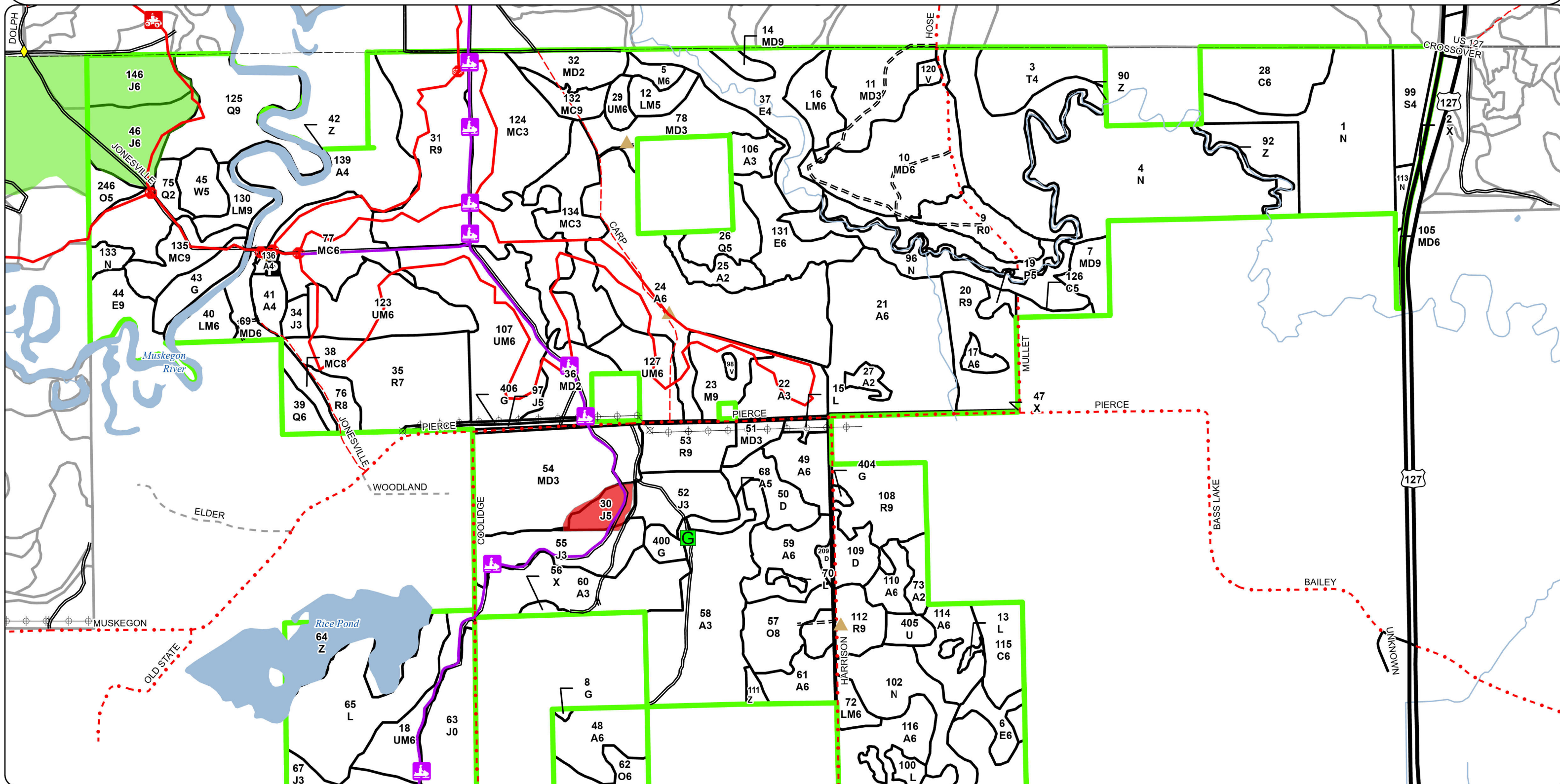


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-  Berms
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-  Counties
-  Compartment Boundary
-  Stand Boundaries
-  Ecological Reference Areas
-  Kirtland's Warbler Habitat



Special Conservation Areas & Site Conditions Map

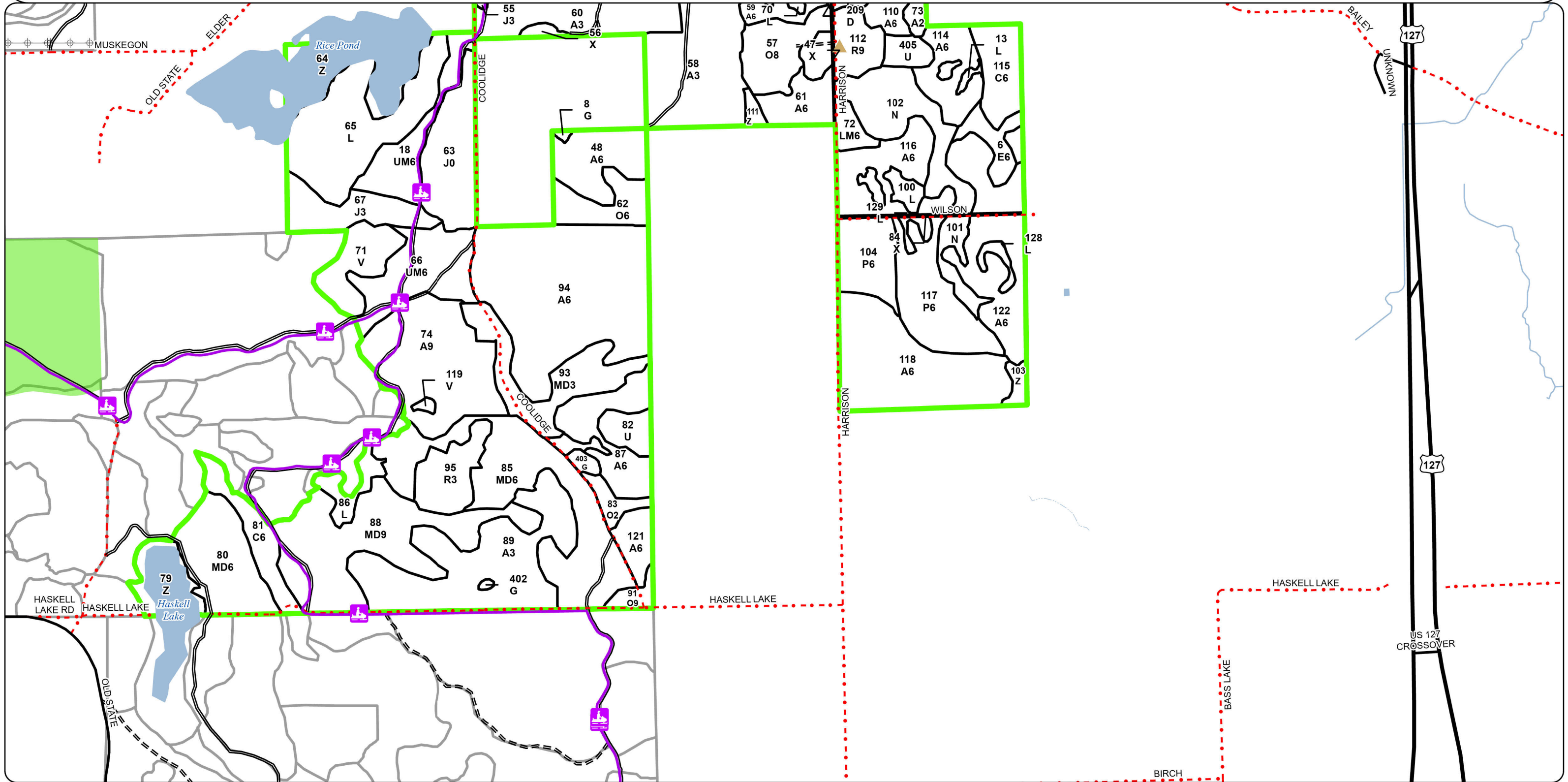
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0 0.5 1 Miles

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Report 1 – Total Acres by Cover Type and Age Class

Gladwin Mgt. Unit

Compartment 4

Year of Entry 2027

Colton Behrmann: Examiner

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	94	95	392	103	135	121	0	0	0	0	0	0	0	0	0	0	0	940
Bare/Sparsely Vegetated	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Bog	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Cedar	0	0	0	0	0	0	0	0	0	0	33	40	0	0	0	0	0	0	73
Herbaceous Openland	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Jack Pine	32	0	27	50	21	28	9	0	0	3	0	0	0	0	0	0	0	0	169
Low-Density Trees	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Aspen/Balsam Poplar	0	0	0	0	33	21	3	0	0	0	0	0	0	0	0	0	0	0	57
Lowland Conifers	0	0	0	0	6	0	0	0	0	14	0	0	0	0	0	0	0	51	71
Lowland Deciduous	0	0	0	0	0	0	10	0	0	40	27	0	0	0	0	0	0	37	114
Lowland Mixed Forest	0	0	0	0	0	0	6	0	0	14	9	0	0	0	0	0	0	20	49
Lowland Shrub	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	17
Marsh	329	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	329
Mixed Upland Deciduous	0	81	90	96	58	0	0	2	0	16	102	0	0	0	0	0	0	9	454
Natural Mixed Pines	0	0	0	0	0	0	18	15	0	0	0	0	0	0	0	0	0	0	33
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	23
Oak	0	0	0	9	7	0	16	0	0	0	5	0	0	21	0	0	0	0	58
Planted Mixed Pines	0	0	0	86	0	0	0	0	0	0	38	0	0	0	0	0	0	0	124
Red Pine	19	0	0	19	0	0	0	98	64	64	0	0	0	0	0	0	0	0	264
Tamarack	0	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	27
Treed Bog	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Upland Mixed Forest	0	0	0	125	33	0	0	0	0	22	5	0	0	0	0	0	0	0	185
Upland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Urban	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Water	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89
White Pine	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Total	662	175	212	777	273	184	183	115	64	173	259	67	0	21	0	0	0	117	3280

Report 2 – Treatment Summary

Gladwin Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 4
Total Compartment Acres: 3,281

Commercial Harvest - 1335
Harvests with Site Condition - 46
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Aspen	252	0	0	0	0	0	0	0	0	252
Lowland Aspen/Balsam Poplar	21	0	0	0	0	0	0	0	0	21
Mixed Upland Deciduous	68	0	0	0	0	0	0	0	0	68
Oak	5	0	0	0	0	0	0	0	0	5
Red Pine	64	0	0	0	0	49	0	0	0	114
Total	410	0	0	0	0	49	0	0	0	459

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	459	0	0	0	72	0	36	0	5	572
Next Step	0	129	129	0	0	129	563	0	0	1014
Total	459	129	129	0	72	129	599	0	5	1586

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

9	73004009-Monitor	17.2	4211 - Planted Red Pine	0	1	Immature	Monitoring	Monitoring - Regeneration	4211 - Planted Red Pine	No
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PrescriptionSpecs:Next Step ; ; Monitoring, Artificial Regen (3yr)Treatments:Acceptable The regeneration should be planted red pine mixed with some natural white pines and oaks south of the two-track.Regen:Other Percent to Treat = 100%Comment:Site Condition:Proposed Start Date: 10/01/2024

21	73004021-Cut	76.2	4130 - Aspen	6	49	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Cut all trees 2 inches and greater in diameter. Follow standard island retention. Focus retention on northern boundary. Add Gladwin Grouse spec. Add dry/frozen spec.Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable A naturally regenerated stand of aspen with mixed deciduous meeting minimum stocking standards.Regen:OtherComment:Site Condition:Proposed Start Date: 10/01/2026

31	73004031-Cut	64.3	42110 - Planted Red Pine	9	85	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
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Prescription Cut all trees 2 inches and greater in diameter. Focus on boundary retention to assist with future silvicultural activities. Add low stump spec. Add chipping spec. Add trail protection spec.Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Trenched Plant; Monitoring, Artificial Regen;Treatments: Monitoring, Artificial Regen; Planting, Unfurrowed; NonCommCut, Brush Saw Release; Pesticide, Aerial - RAcceptable A fully stocked red pine plantation meeting minimum stocking standards.Regen:OtherComment:Site Condition:Proposed Start Date: 10/01/2026

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
48 73004048-Cut	23.4	4131 - Aspen, Oak	6	50	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater in diameter. Add Gladwin grouse spec. Add oak wilt spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> A naturally regenerated stand of aspen with mixed deciduous meeting minimum stocking standards. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026										
49 73004049-Cut	15.5	4130 - Aspen	6	50	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater in diameter. Add Gladwin Grouse spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> A naturally regenerated stand of aspen and mixed deciduous meeting minimum stocking standards. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
53 73004053-Cut	19.2	42110 - Planted Red Pine	9	69	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin stand with a target residual of 90 BA/acre. Follow marking guidelines. <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										
54 73004054-Burn	72.2	4191 - Mixed Upland Deciduous with Conifer	3	6	Immature	Burn	Prescribed Burn	3302 - Low Density Conifer Trees	Previous Inventory	No
<u>Prescription</u> The stand was an area flagged by MNFI as containing some prairie species. The burn is to move the stand toward barrens system. The areas that were retained areas that were retained are to be burned through and not salvaged if some of the retention dies. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> the goal is to create a pine or pine/oak barrens. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
63 73004063-Monitor	18.8	4212 - Planted Jack Pine	0	1		Monitoring	Monitoring - Regeneration	4212 - Planted Jack Pine		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> mixture of planted and natural jack pine mixed with some oak, maple and aspen. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 01/01/2026										
74 73004074-Cut	58.8	4130 - Aspen	9	51	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater in diameter. Follow standard island retention. Add grouse spec. Add snowmobile trail spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> A naturally regenerated stand of aspen with mixed deciduous meeting minimum stocking standards. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
88 73004088-Cut	67.8	4199 - Other Mixed Upland Deciduous	9	92	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater in diameter. Follow standard island retention. Add oak wilt spec. Add Gladwin grouse spec. Add snowmobile spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> A naturally regenerated stand of aspen, oak and maple meeting minimum stocking standards. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
91 73004091-Cut	4.6	4126 - White, Black, N. Pin Oak	9	95	81-110	Harvest	Clearcut	4126 - White, Black, N. Pin Oak	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater in diameter. No retention due to stand size. Add oak wilt spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> A naturally regenerated stand of mixed oak species with a minor hardwood component meeting minimum stocking standards. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025										

Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
104 73004104-Cut	20.9	6112 - Lowland Aspen	6	46	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater in diameter. Follow standard island retention. Add Gladwin Grouse spec. Add dry/frozen spec. Add no chipping spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> A naturally regenerated stand of aspen with mixed deciduous and conifers meeting minimum stocking standards. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
108 73004108-Cut	30.0	42110 - Planted Red Pine	9	69	111-140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin stand with a target residual of 90 BA/acre. Follow marking guidelines. <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										
114 73004114-Cut	19.2	4136 - Aspen, Mixed Conifer	6	50	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater in diameter. Add Gladwin Grouse spec. Add dry/frozen spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> A naturally regenerated stand of aspen with mixed deciduous meeting minimum stocking standards. <u>Regen:</u> <u>Other</u> There is a closed forest access route off of Harrison Avenue that will be used as access. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
118 73004118-Cut	59.0	4130 - Aspen	6	46	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater in diameter. Follow standard island retention. Add Gladwin Grouse spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> A naturally regenerated stand of aspen with mixed deciduous meeting minimum stocking standards. <u>Regen:</u> <u>Other</u> There is a closed forest access route off of Harrison Avenue that will be utilized as access. There are small lowland inclusions that will need painted out during sale prep. <u>Comment:</u> <u>Site Condition:</u> <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
400 73004400-NF	5.1	310 - Herbaceous Openland	99			NonForestMgt	Openings Mgmt.	3102 - Grass	Previous Inventory	No
<u>Prescription</u> mowing to maintain grassy opening.										
<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										

Total Treatment
Acreage Proposed: 572.2

Report 4 – Site Conditions

Gladwin Mgt. Unit

Colton Behrmann: Examiner

Compartment: 4

Year of Entry: 2027



Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
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Dominant Site Conditions

2I	1D	2A	2G	2H	3D	5E
----	----	----	----	----	----	----

940	860	23	56	Aspen	23			49		8	
2	2	0	0	Bare/Sparsely Vegetated							
24	24	0	0	Bog							
73	0	0	73	Cedar		33		40			
26	26	0	0	Herbaceous Openland							
170	170	0	0	Jack Pine							
8	9	0	0	Low-Density Trees							
58	54	0	3	Lowland Aspen/Balsam Poplar				3			
71	0	0	71	Lowland Conifers				71			
110	0	0	110	Lowland Deciduous				110			
48	6	0	42	Lowland Mixed Forest				42			
82	82	0	0	Lowland Shrub							
17	0	0	17	Lowland Spruce/Fir				17			
329	257	0	72	Marsh		72					
455	439	0	16	Mixed Upland Deciduous			12		5		
33	24	0	9	Natural Mixed Pines							9
22	22	0	0	Northern Hardwood							
58	58	0	0	Oak							
124	124	0	0	Planted Mixed Pines							
265	265	0	0	Red Pine							
27	0	0	27	Tamarack				27			
27	27	0	0	Treed Bog							
185	164	0	21	Upland Mixed Forest							21
6	6	0	0	Upland Shrub							
17	17	0	0	Urban							
89	89	0	0	Water							
12	12	0	0	White Pine							
3,277	2,736	23	518	Total Forested Acres	23	105	12	359	5	8	30
	83%	1%	16%	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.

Report 4 – Site Conditions

Gladwin Mgt. Unit

Colton Behrmann: Examiner

Compartment: 4

Year of Entry: 2027



Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3D: Recreational/scenic values	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	96	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	100	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



Gladwin Mgt. Unit

Colton Behrmann: Examiner

Compartment: 4

Year of Entry: 2027

6	Available	2I: Survey needed	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2A: Adjacent landowner denied access	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



Gladwin Mgt. Unit

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15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	1D: Interest group/neighbor	105	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



Gladwin Mgt. Unit

Colton Behrmann: Examiner

Compartment: 4

Year of Entry: 2027

23	Unavailable	5E: Long-Term Retention	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
99	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	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
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Comments

Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments									
1	6230 - Cattail	None	71.9				No	This is an emergent wetlands along Townline Creek. The stand has a 1/3 ownership in the property.									
									Sub-Canopy Species		Density	Avg. Height	Size				
									Cattail spp.	Medium	Not Applicable	Not Applicable					
									Tamarack	Low	10 - 20 feet	10 - 20 feet					
									Red Osier Dogwood	Low	5 - 10 feet	5 - 10 feet					
									Tag Alder	Medium	5 - 10 feet	5 - 10 feet					
2	122 - Road/Parking Lot	None	5.4				No	US-127 road right of way.									
3	6121 - Tamarack	Poletimber Poor	26.8	105	1-50		N/A	Lowland conifer stand currently dominated by Tamarack. Balsam fir and red maple is trying to recruit into the canopy.									
									Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
									White Pine	1	Seedling	7		Leatherleaf	Full	5 - 10 feet	5 - 10 feet
									Tamarack	84	Sapling	5	105	Labrador Tea	Low	5 - 10 feet	5 - 10 feet
									Balsam Fir	10	Seedling	6		Tamarack	Low	5 - 10 feet	5 - 10 feet
									Northern White Cedar	5	Sapling	6		Tag Alder	High	5 - 10 feet	5 - 10 feet
														Red Osier Dogwood	Low	5 - 10 feet	5 - 10 feet
														Red Maple	Low	>20 feet	>20 feet
														Michigan Holly	Medium	5 - 10 feet	5 - 10 feet
														Balsam Fir	Low	10 - 20 feet	10 - 20 feet
4	6230 - Cattail	None	161.2				No	The stand is the wetlands along Townline Creek. It is a mixture of lowland shrubs, marsh grass, leather leaf, and some scattered trees.									
5	4119 - Mixed Northern Hardwoods	Poletimber Well	4.9	99	81-110		N/A	The stand was set up to be harvested in 1997 as a clear cut. However it was not treated. The old redline is still visible. The large overstory oak are coming down. The gaps are filling in with maple, white pine and fir.									
									Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
									Black/Red (Hybrid) Oak	25		16		White Pine	Medium	5 - 10 feet	5 - 10 feet
									Red Maple	70		13	99	Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
									White Oak	5		11		Balsam Fir	Medium	< 5 feet	< 5 feet
														Ironwood	Low	5 - 10 feet	5 - 10 feet
														Beech	Low	10 - 20 feet	10 - 20 feet
6	6113 - Lowland Maple	Poletimber Well	9.7	55	81-110		N/A	Lowland maple stand with standing water throughout. Cedar is starting to recruit into the canopy.									
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size									
Red Maple	95		8	55	Northern White Cedar	Low	10 - 20 feet	10 - 20 feet									
Paper Birch	2	Log	4		Tag Alder	Low	5 - 10 feet	5 - 10 feet									
Northern White Cedar	3	Sapling	5		Balsam Fir	Low	10 - 20 feet	10 - 20 feet									

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	11.5	82	81-110	N/A	The stand is an upland knob that slopes down to the Townline Creek flood plain. The north side is dominated more by white pine and oak, the south side is dominated by aspen and oak. Most of the jack pine has begun to die off.
8	3104 - Degraded	None	0.7			No	Looks like a trespass. Will confirm with survey corners.
9	4211 - Planted Red Pine	Unspecifed	19.2	1	Immature		Stand planted in May of 2025. 812 TPA of red pine. Planting comments of clean site. Site sprayed August 2024. Stand trenched in Spring 2022. Stand cut under Town Line Creek Mix 73-001-17. Follow up work to trench and plant to red pine. Area south of two track may be too wet to trench according to treatment history. Small mixed pine retention island located in center of stand
10	4199 - Other Mixed Upland Deciduous	Poletimber Well	58.2	36	51-80	N/A	The stand is a nice mix of oak, aspen, and white pine regeneration that is just moving into poles. In the south western portion of the stand has more mature white pine. Stand cut under "Mullet Road" 73-044-87 in spring of 1989.
11	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	32.9	15	Immature	N/A	The stand was interplanted with jack pine. Currently a mix of jack pine and aspen as the dominant species. Aspen regeneration is heaviest to the west of the 2-track. There were several mast oak left most are still on site but a few have die off. The stand may need to be split between jack pine and aspen in the future as it progresses. The stand was clear cut in 2009 under "Pierce Pine Harvest" 73-019-07 and interplanted with jack pine with the FTP C73-831 in 2010.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
12	6139 - Mixed Lowland Forest	Poletimber Medium	8.8	99	51-80	N/A	The stand has a drainage that goes from stand 29 to the Townline Creek. The overstory has a high occurrence of windthrow and the understory is filling in the gaps well with balsam fir and spruce.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		3	Sapling	6		Black Spruce		Low	10 - 20 feet	10 - 20 feet
Balsam Fir		25	Seedling	6		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
Tamarack		2	Pole	4		Balsam Fir		Medium	10 - 20 feet	10 - 20 feet
Black Spruce		15	Seedling	7		White Oak		Low	5 - 10 feet	5 - 10 feet
White Pine		5		12		Black/Red (Hybrid) Oak		Low	5 - 10 feet	5 - 10 feet
White Oak		5		11		White Pine		Low	10 - 20 feet	10 - 20 feet
Northern White Cedar		5	Seedling	9						
Black/Red (Hybrid) Oak		15		11						
Red Maple		25		12	99					
13	6220 - Alder/Willow	None	2.3			No	Lowland tag alder thicket.			
						Sub-Canopy Species	Density	Avg. Height	Size	
						Paper Birch	Trace	>20 feet	>20 feet	
						Tag Alder	Full	5 - 10 feet	5 - 10 feet	
14	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	4.8	84	81-110	N/A	Upland maple ridge surrounded by Towline creek and feeder creeks. Heavy to balsam fir in the understory and recruiting into the canopy.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple		59		12	84	Balsam Fir	Full	Variable	Variable	
Balsam Fir		25	Seedling	7		White Pine	Low	10 - 20 feet	10 - 20 feet	
White Pine		1		10		Red Maple	Low	10 - 20 feet	10 - 20 feet	
Bigtooth Aspen		10		12						
Paper Birch		5		8						
15	6229 - Mixed Lowland Shrub	None	2.7			No	Lowland tag alder thicket with pockets of aspen and white pine.			
						Sub-Canopy Species	Density	Avg. Height	Size	
						Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet	
						Red Maple	Low	>20 feet	>20 feet	
						White Pine	Low	>20 feet	>20 feet	
						Balsam Fir	Low	>20 feet	>20 feet	
16	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	13.9	84	81-110	N/A	The stand slopes down toward Townline Creek. The upland in the stand is on a couple of small islands and along the east side. The cedar is heaviest along the west side. Most hardwood regeneration is being browsed heavily by deer.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		2	Seedling	7		Black/Red (Hybrid) Oak		Low	>20 feet	>20 feet
Black/Red (Hybrid) Oak		2		9		Red Maple		Low	10 - 20 feet	10 - 20 feet
Red Maple		45		9	84	Balsam Fir		Medium	>20 feet	>20 feet
White Pine		3		11		Beech		Trace	5 - 10 feet	5 - 10 feet
Balsam Fir		10	Seedling	6		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
Northern White Cedar		38	Seedling	6		Northern White Cedar		Low	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
17	4130 - Aspen	Poletimber Well	4.2	28	51-80	N/A	The stand was cut in 1997 under "Rusty Dog Pine" 73-040-97 and has regenerated well. There is a small open area but it is less than 0.2 acres in size.																																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>25</td><td>Seedling</td><td>5</td><td></td></tr><tr><td>Red Pine</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>10</td><td>Seedling</td><td>5</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>60</td><td>Seedling</td><td>5</td><td>28</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	25	Seedling	5		Red Pine	5		12		Black/Red (Hybrid) Oak	10	Seedling	5		Bigtooth Aspen	60	Seedling	5	28															
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Bigtooth Aspen	60	Seedling	5	28																																											
18	4310 - Pine, Oak Mix	Poletimber Well	21.5	80	81-110	N/A	The stand is variable in density and species composition. It goes from oak to jack pine to aspen. The jack pine is declining.																																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Jack Pine</td><td>50</td><td></td><td>8</td><td>80</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>18</td><td></td><td>9</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td></td><td>9</td><td></td></tr><tr><td>White Oak</td><td>1</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>White Pine</td><td>5</td><td></td><td>9</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>15</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Red Pine</td><td>1</td><td></td><td>12</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	50		8	80	Black/Red (Hybrid) Oak	18		9		Red Maple	10		9		White Oak	1	Seedling	6		White Pine	5		9		Bigtooth Aspen	15	Seedling	7		Red Pine	1		12	
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19	6112 - Lowland Aspen	Poletimber Medium	3.4	50	51-80	N/A	Lowland aspen finger in the west end with more maple and cherry in the east end. Wildlife cut the stand in 1975.																																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>60</td><td></td><td>11</td><td>50</td></tr><tr><td>Black Cherry</td><td>5</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Red Maple</td><td>35</td><td></td><td>12</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	60		11	50	Black Cherry	5	Seedling	7		Red Maple	35		12																					
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Tag Alder	Low	5 - 10 feet	5 - 10 feet																																												
20	42110 - Planted Red Pine	Sawtimber Well	30.0	66	111-140	N/A	The stand was thinned in the summer of 2011 in Clare Red Pine Assist sale number 73-009-07-01 to a residual of 90 BA/acre. Stand is now averaging around 120 BA/Acre. Overall there is a dense understory of maple, beech and oak. The southern end of the stand is more open grown with hardwoods and open pockets.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
21	4130 - Aspen	Poletimber Well	76.2	49	111-140	N/A	The stand slopes down at the north end going on to the Townline Creek flood plain. There is a lot of down woody material. The fir in the stand is heavier at the north end and at the south edge. Scattered in the stand are areas where some of the aspen is moving into saw logs.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	5		14		Black/Red (Hybrid) Oak	Low		10 - 20 feet	10 - 20 feet
Red Maple	10		12		Balsam Fir	Low		>20 feet	>20 feet
Paper Birch	2	Seedling	6		White Oak	Low		10 - 20 feet	10 - 20 feet
Bigtooth Aspen	83		11	49	Red Maple	Medium		>20 feet	>20 feet
					Paper Birch	Low		10 - 20 feet	10 - 20 feet
					Ironwood	Trace		10 - 20 feet	10 - 20 feet
					Beech	Low		5 - 10 feet	5 - 10 feet
22	4130 - Aspen	Sapling Well	21.7	14	51-80	N/A	The stand was clearcut in 2010 under "Pierce Pine Harvest" 73-019-07. It has regenerated well and it is mainly bigtooth aspen with some red maple and oak. Some of the pines and oak were left along Pierce Road to break up the visual.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	4		10		White Pine	Low		< 5 feet	< 5 feet
Red Maple	10	Pole	4		Red Osier Dogwood	Low		5 - 10 feet	5 - 10 feet
Quaking Aspen	20	Log	3		Tag Alder	Low		5 - 10 feet	5 - 10 feet
Choke Cherry	5	Sapling	5		White Oak	Low		< 5 feet	< 5 feet
Bigtooth Aspen	51	Log	3	14	Black/Red (Hybrid) Oak	Low		< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	10	Log	3						
23	4112 - Maple, Beech, Cherry Association	Sawtimber Well	17.5	96	81-110	N/A	The stand was thinned in 1998 under "Spotted Dog" 73-054-97. The stand had the aspen and birch cut retaining the maple and ash. The stand has started to regenerate with aspen being denser north and maple in the central and south.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Oak	2		16		Witch Hazel	Medium		5 - 10 feet	5 - 10 feet
Red Pine	1		12		Bigtooth Aspen	Low		>20 feet	>20 feet
White Pine	2		14		Beech	Low		10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	1		16		Black Cherry	Low		10 - 20 feet	10 - 20 feet
Red Maple	94		13	96	Hawthorn (spp.)	Low		5 - 10 feet	5 - 10 feet
					Black/Red (Hybrid) Oak	Low		10 - 20 feet	10 - 20 feet
					White Oak	Low		5 - 10 feet	5 - 10 feet
					Red Maple	Medium		>20 feet	>20 feet
24	4130 - Aspen	Poletimber Well	131.3	26	Immature	N/A	The stand was clear cut in 1998 under "Flying Chef" 73-053-97. It has regenerated well, being a well-stocked aspen stand. In the eastern portion of the stand there are some low pockets of swamp hardwoods that were left when it was harvested. These pockets are < 1 acre in size. The western portion contains pockets of more open grown aspen and cherry.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	45	Seedling	6	26	White Pine	Low		5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	10	Seedling	5		White Oak	Trace		5 - 10 feet	5 - 10 feet
Quaking Aspen	30	Seedling	6		Witch Hazel	Low		5 - 10 feet	5 - 10 feet
Red Pine	5	Pole	4		Black/Red (Hybrid) Oak	Low		5 - 10 feet	5 - 10 feet
Paper Birch	5	Seedling	6						
Red Maple	5	Seedling	6						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
25	4130 - Aspen	Sapling Medium	10.6	5	Immature	N/A	Stand cut under Town Line Creek Mix 73-001-17 in fall of 2020 as a 2" clearcut. The stand is mainly lowland much could be treated but there are areas that are too wet to harvest. Much of the larger overstory, ash and aspen have come down leaving a lot of down wood. What ash is left has heavy EAB and the aspen a signs of significant rot. The fir and cedar is heavier long the flood plain and in the wetter ground. The understory in the process of taking the place of the overstory. The stand was difficult to navigate. The terrain is hummocky.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	85	Log	1	5	Tag Alder	Low		5 - 10 feet	5 - 10 feet
Red Maple	10	Log	1		Black Willow	Low		5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	5	Log	1						
26	6123 - Lowland Fir	Poletimber Medium	14.1	88	51-80	N/A	Lowland balsam fir stand with areas more dominated by cedar. Overall small diameter and short height.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Sapling	6		Balsam Fir	Low		< 5 feet	< 5 feet
Balsam Fir	60	Seedling	6	88	Paper Birch	Low		10 - 20 feet	10 - 20 feet
Tamarack	3	Seedling	7		Tag Alder	Full		5 - 10 feet	5 - 10 feet
Black Spruce	2	Pole	4		Cattail spp.	Low		Not Applicable	Not Applicable
Paper Birch	10	Seedling	8		Red Osier Dogwood	Low		5 - 10 feet	5 - 10 feet
Northern White Cedar	20	Seedling	6						
27	4130 - Aspen	Sapling Medium	4.0	16	Immature	N/A	The stand was clearcut in 2009 under "Pierce Pine Harvest" 73-019-07 with some overstory red pine left for seed and structural diversity.		
Canopy Species	% Cover	Size Class	DBH	Age					
Red Pine	5		14						
Black/Red (Hybrid) Oak	5	Log	2						
Bigtooth Aspen	60	Log	2	16					
Paper Birch	10	Log	2						
Red Maple	20	Log	2						
28	6120 - Lowland Cedar	Poletimber Well	33.0	99	81-110	N/A	The cedar in the stand is short and has significant sweep. There is also a significant amount of mortality. The crown closure ranges from 100% down to 25%, but it averages around 75%. The tamarack is concentrated along the southern edge. The state has a 1/3 ownership interest in the property.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	25	Seedling	6		Tamarack	Low		5 - 10 feet	5 - 10 feet
Tamarack	20	Seedling	6		Michigan Holly	Medium		5 - 10 feet	5 - 10 feet
Northern White Cedar	55	Seedling	8	99	Tag Alder	High		5 - 10 feet	5 - 10 feet
					Leatherleaf	Full		5 - 10 feet	5 - 10 feet
					Labrador Tea	Low		5 - 10 feet	5 - 10 feet
					Black Spruce	Low		5 - 10 feet	5 - 10 feet
					Red Osier Dogwood	Low		5 - 10 feet	5 - 10 feet
					Paper Birch	Low		10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
29	4310 - Pine, Oak Mix	Poletimber Well	5.3	99	81-110	N/A	Upland ridge with mixed pine and oak. This stand has not been treated & is showing decline.																																																						
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30	42220 - Natural Jack Pine	Poletimber Medium	9.0	56	51-80	N/A	This stand was not cut with adjacent clearcut. It is now a mixed stand of jack pine and mature oak that is dying out. Canopy is patchy, areas of thicker jack pine and oak regeneration.																																																						
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31	42110 - Planted Red Pine	Sawtimber Well	64.3	85	81-110	N/A	Stand thinned under Town Line Creek Mix 73-001-17 in spring of 2019. Stand thinned to 90 basal area. The maple understory is thicker in the southern half of the stand. Heavy deer browse. The residual Red Pine was planted in 1940 and 1959. The stand was harvested in 1990 under "Frying Pan Sale" 73-041-87 having the hardwoods and jack pines greater than 4" DBH harvested. The residual pines have variable density going from very high to low density. The ORV trail bisects the stand.																																																						
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32	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	15.9	6	Immature	N/A	Stand cut under Town Line Creek Mix 73-001-17 in spring of 2019. All trees greater than 8" were cut. Stand has regenerated well to oak and mixed pine. All the aspen and oak were cut in 1997 and all conifers were left.																																																						
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White Pine	5		10																																																										
34	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	4.4	12		N/A	The stand was clearcut in 2011 under "Muskegon Pines" 73-007-08 and planted in 2013. Stand updated in December 2020 based on data of regen check.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
35	42210 - Natural Red Pine	Sawtimber Poor	56.4	76	1-50	N/A	The stand was harvested in 2011 under "Muskegon Pines" 73-007-08 retaining 34 BA to act as a shelter wood for the understory oak.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Oak		8		12		Bigtooth Aspen		Low	10 - 20 feet	10 - 20 feet
Red Pine		85		14	76	Red Pine		Low	5 - 10 feet	5 - 10 feet
White Pine		7		12		Black/Red (Hybrid) Oak		High	10 - 20 feet	10 - 20 feet
						White Oak		Low	10 - 20 feet	10 - 20 feet
						Jack Pine		Low	5 - 10 feet	5 - 10 feet
						Black Cherry		Low	10 - 20 feet	10 - 20 feet
						Black Spruce		Low	5 - 10 feet	5 - 10 feet
						White Pine		Medium	10 - 20 feet	10 - 20 feet
36	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	18.7	15	Immature	N/A	The stand was clearcut in 2009 under "Pierce Pine Harvest" 73-019-07. It has regenerated fairly well with the oak being mainly stump sprouts.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		50	Log	2	15	Willow spp.		Low	< 5 feet	< 5 feet
Black Cherry		10	Log	2		Common Lowbush Blueberry		High	5 - 10 feet	5 - 10 feet
Jack Pine		40	Log	2		Sweet Fern		Medium	5 - 10 feet	5 - 10 feet
37	6113 - Lowland Maple	Poletimber Poor	39.6	86	51-80	N/A	The stand has the Townline Creek running through it. The density is low stocking now that the ash has died off. There is also evidence of current and past beaver activity.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		100		15	86	Balsam Fir		Low	>20 feet	>20 feet
						Red Osier Dogwood		Low	5 - 10 feet	5 - 10 feet
						Cattail spp.		Medium	Not Applicable	Not Applicable
						Tag Alder	Full	5 - 10 feet	5 - 10 feet	
38	42290 - Natural Mixed Pine	Sawtimber Medium	6.2	65	81-110	N/A	The stand was cut in 1997 under "Spotted Dog" 73-054-97 cutting all oak, dead oak maple, jack pine and all red pine 10" or greater at DBH. The north end is heavier to white pine with an understory of aspen, maple and oak. The south end is heavy to red pine with balsam fir in the understory. Continue to nurse understory regeneration along.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		43		12		Black/Red (Hybrid) Oak		Low	10 - 20 feet	10 - 20 feet
Red Pine		55		12	65	Balsam Fir		High	10 - 20 feet	10 - 20 feet
Balsam Fir		2	Seedling	8		White Pine		Low	5 - 10 feet	5 - 10 feet
						Red Maple		Low	10 - 20 feet	10 - 20 feet
						Bigtooth Aspen		Low	10 - 20 feet	10 - 20 feet
						Red Pine	Low	10 - 20 feet	10 - 20 feet	

Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
39	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	7.8	98	111-140	N/A		The stand drops sharply to the river flood plain. It has a lot of down woody material as the ash, aspen, and oak is declining. The understory is now taking over the stand, which is heavy to balsam fir. The cedars are closer to the river. Soil under the stand is Winterfield-Evart.																																																												
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40	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Well	9.9	98	81-110	N/A		Floodplain of the Muskegon river with a higher density of white pine. Balsam fir and maple are recruiting in any hardwood canopy gaps.																																																												
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41	4133 - Aspen, Mixed Pine	Poletimber Poor	7.8	37	1-50	N/A		The stand is the ORV/snowmobile parking lot at the north end and special use area at the south end. The soils are heavily disturbed with about 40% being exposed sand.																																																												
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42	500 - Water	None	14.7			No		Muskegon River.																																																												
43	3104 - Degraded	None	13.2			No		This area is a scramble area. Fence was put up in 2004. This area has been a historical problem spot for ORV damage along the river. It was agreed at the 2007 compartment review that this area should be kept for ORVs and disperse camping.																																																												
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44	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well		37.1	108	81-110	N/A	The stand is highly variable and it is on the Muskegon River Flood Plain. The terrain is undulating and there are areas of good upland but the majority is low and wet. There are numerous springs along the base of the slopes that border the flood plain. There are several oxbows in the stand some are more marsh like while others are red maple swales																																																															
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45	42200 - Natural White Pine	Poletimber Medium		12.0	35	1-50	N/A	The stand was habitat cut in 1990 as a 2" clearcut. It is variable going from sparse to dense. Much of the crown closure is made up of open grown white pines. The white pines have a high amount of weevil damage. The overall crown closure is around 65%. "Jonesville Bridge Swamp"																																																															
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46	42220 - Natural Jack Pine	Poletimber Well		28.1	45	51-80	N/A	The stand was burned in 1979 and had a salvage cut done in 1980. Some residual larger red and jack pines remain but they are scattered throughout the stand. The red pine is in higher concentration in the eastern portion of the stand and jack pine in the western portion.																																																															
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47	122 - Road/Parking Lot	None		9.7			No	PIERCE Rd. and HARRISON AVE.																																																															
48	4131 - Aspen, Oak	Poletimber Well		23.4	50	111-140	N/A	The stand is self-thinning so there is a lot of down woody material. The terrain is rolling. The maple is concentrated on the east end and in the lowland pockets. Oak is heavier in the southern end.																																																															
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Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																																																					
49	4130 - Aspen	Poletimber Well			15.5	50	111-140	N/A	The stand gets wetter going north with more quaking aspen and windthrow. There is an inclusion of lowland shrubs at the north end.																																																																					
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50	6224 - Treed Bog	None			15.1			No	The stand is mainly leather leaf with scattered white pine. Tag alder is higher density along the southern boundary.																																																																					
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51	4191 - Mixed Upland Deciduous with Conifer	Sapling Well			6.9	15	Immature	N/A	The stand was clear-cut in 2009 under "Pierce Pine Harvest" 73-019-17. It was planted to jack pine in May of 2010, FTP C73-831. Even though the stand was planted to jack pine, currently the oak regeneration makes up the majority of the crown closure.																																																																					
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52	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well			22.1	15	Immature	N/A	Young jack pine plantation with areas of thicker oak regeneration, mainly in the north and west side of stand. The stand was clear-cut in 2009 under "Pierce Pine Harvest" 73-019-17. It was planted to jack pine in May of 2010, FTP C73-831																																																																					
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53	42110 - Planted Red Pine	Sawtimber Well			19.2	69	141-170	N/A	Stand averages around 150 BA/Acre currently. Little to no understory. Stand was cut under Clare Red Pine Assist sale number 73-009-07-01 and thinned to 125 BA/Acre. The rows are straight and workable. There is a power line going through the stand.																																																																					
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54	4191 - Mixed Upland Deciduous with Conifer	Sapling	Well	65.2	6	Immature	N/A	Fully stocked oak and jack pine sapling stand. Stand cut under Town Line Creek Mix 73-001-17 in spring of 2019 as a 2" clearcut. Stand identified to be restored as a jack pine barrens.																																																															
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55	42121 - Planted Jack Pine, Mixed Deciduous	Sapling	Well	28.2	26	1-50	N/A	The stand was trenched and interplanted in 1999. Young jack pine stand with a heavy mix of hardwoods.																																																															
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56	790 - Other Bare/Sparsely Vegetated	None		2.2			No	This area is a gravel trespass that has now become an herbaceous open land with a lot of spotted knapweed.																																																															
57	4129 - Mixed Oak	Sawtimber	Medium	21.2	125	51-80	N/A	The stand was shelterwood harvested in 1999 under "Used Carpet" 73-059-97 retaining all oak and pine. Canopy oak is showing decline & some has died already. The regeneration is patchy and heavier in the east 1/2 of the stand. Maple is the dominant subcanopy species, ranging from large sapling to pole size.																																																															
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58	4130 - Aspen	Sapling	Well	69.1	13	Immature	N/A	The stand was clear cut in May of 2012 with the Pierce Road Aspen sale 73-020-10-01 All white pine less than 6" was left during harvest and some green marked trees. Dense stand with a minor component of oak and maple filling in.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
59	4130 - Aspen	Poletimber Well	22.2	26	81-110	N/A	The stand was cut in 1999 under "Used Carpet" 73-059-97. The oak is more common at the south end. The stand includes several small ponds which still have mature aspen around them. These are more common at the north end.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	20	Seedling	6	26	Witch Hazel	Low		5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	10	Seedling	7		White Oak	Low		10 - 20 feet	10 - 20 feet
Quaking Aspen	60	Seedling	6	26	Black/Red (Hybrid) Oak	Trace		10 - 20 feet	10 - 20 feet
White Oak	5	Sapling	5		White Pine	Low		>20 feet	>20 feet
Red Maple	5	Sapling	5						
60	4131 - Aspen, Oak	Sapling Well	43.1	28	Immature	N/A	The stand was clearcut in 1997 under "Gravel Access" 73-052-97. This is the area of the cut that has regenerated well. The terrain is undulating. The northern portion of the stand has significant oak in the understory with some jack pine, creating a soft transition edge into the adjacent jack pine plantation		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	70	Sapling	5	28	Common Blackberry	Low		5 - 10 feet	5 - 10 feet
White Oak	8	Pole	4		Sweet Fern	Low		5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	15	Pole	4						
Jack Pine	7	Pole	4						
61	4130 - Aspen	Poletimber Well	13.7	37	81-110	N/A	The stand is progressing into poles. The east portion of the stand has more lowland depressions with balsam fir mixed in. Stand cut in 1988 under "Harrison Avenue" 73-042-87 2" clearcut.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	5	Sapling	5		Red Oak	Low		10 - 20 feet	10 - 20 feet
Paper Birch	5	Seedling	6		Red Maple	Low		10 - 20 feet	10 - 20 feet
Quaking Aspen	25	Seedling	6		Paper Birch	Low		10 - 20 feet	10 - 20 feet
Bigtooth Aspen	55	Seedling	6	37	Black Cherry	Low		10 - 20 feet	10 - 20 feet
Red Maple	10	Seedling	7		Witch Hazel	Medium	5 - 10 feet	5 - 10 feet	
62	4126 - White, Black, N. Pin Oak	Poletimber Well	16.2	50	81-110	N/A	Oak stand that is continuing to fill in with white pine, aspen and maple. Rolling hills. The far west end burned in the spring 2005.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black/Red (Hybrid) Oak	45	Seedling	7	50	Jack Pine	Low		10 - 20 feet	10 - 20 feet
Bigtooth Aspen	5	Seedling	7		Witch Hazel	Low		5 - 10 feet	5 - 10 feet
White Pine	3		9		Black/Red (Hybrid) Oak	Medium		10 - 20 feet	10 - 20 feet
Jack Pine	2	Seedling	7		White Oak	Medium		10 - 20 feet	10 - 20 feet
Red Maple	10	Seedling	6		White Pine	Low		10 - 20 feet	10 - 20 feet
Black Cherry	5	Seedling	6		Serviceberry (Juneberry)	Medium		5 - 10 feet	5 - 10 feet
White Oak	30	Seedling	6						
63	4212 - Planted Jack Pine	Unspecified	32.1	1			Year 1 regen survey done fall of 2024. 660 TPA of planted jack pine, 100 TPA of natural jack pine & 1260 TPA of additional mixed species.Stand planted with jack pine in April 2024. 765 TPA of jack pine interplanted. Trenched in April/May 2023. Stand cut under Town Line Creek Mix 73-001-17 in spring of 2019 as a 2" clearcutThe stand is variable in density and species composition. It goes from oak to jack pine to aspen. The jack pine is declining. Currently there is a lot of down woody material especially along stand 65. The soil is a mixture of Graycalm and Croswell.		
64	500 - Water	None	32.5			No	Rice Pond		

Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
65	6229 - Mixed Lowland Shrub	None		54.2			No	This stand grades from lowland shrubs to leather leaf as it goes out to the Rice Pond.																																																																
66	4310 - Pine, Oak Mix	Poletimber	Well	33.1	36	81-110	N/A	The stand has some areas of jack pine over leather leaf along the west edge. The oak and aspen in the stand is heaviest along the east side and fades out going west.																																																																
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67	42121 - Planted Jack Pine, Mixed Deciduous	Sapling	Well	21.6	22	51-80	N/A	The stand was cut in fall of 1999 under "Sore Ankle Jack Pine" 73-039-97 and planted in 2002. There is a small drainage that runs north/south in the center of the stand. The northwest corner was not planted and is coming back to a mixture of oak and conifers.																																																																
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Jack Pine	80	Sapling	5	22																																																																				
68	4131 - Aspen, Oak	Poletimber	Medium	4.4	57	51-80	N/A	The stand was left as a buffer between two timber sales. The east 1/3 is oak, maple, and pine the rest is aspen with a heavy oak understory.																																																																
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69	4191 - Mixed Upland Deciduous with Conifer	Poletimber	Well	8.9	98	81-110	N/A	Mature mixed hardwood stand between the road and Muskegon river floodplains. The aspen is falling out of the canopy and starting to be replaced by red maple and white pine in areas.																																																																
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70	6229 - Mixed Lowland Shrub	None		1.8			No	Lowland grassy opening																																																																
71	6225 - Bog	None		19.1			No	This is a leather leaf bog with some jack pine along the perimeter.																																																																

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
72	6139 - Mixed Lowland Forest	Poletimber Well	6.2	55	81-110	N/A	There are some wet pockets in the stand. The jack pine is starting to decline. Hold stand until adjacent aspen is ready for harvest.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	45	Seedling	6	55	Deciduous Shrubs	High		5 - 10 feet	5 - 10 feet
Balsam Fir	5	Sapling	6		Balsam Fir	Medium		10 - 20 feet	10 - 20 feet
White Pine	10		12		Red Maple	Low		10 - 20 feet	10 - 20 feet
Jack Pine	40		8	55	Tag Alder	Low		5 - 10 feet	5 - 10 feet
73	4130 - Aspen	Sapling Medium	6.7	5	Immature	N/A	Stand meets minimum stocking standards with the aspen regeneration. The maple and oak is being browsed heavily, so it has not yet reached 6'. Overall a patchy stand, but should fill in as it ages. Stand cut under Town Line Creek Mix 73-001-17 in fall of 2020 as a 2" clearcut		
Canopy Species	% Cover	Size Class	DBH	Age					
Black/Red (Hybrid) Oak	5	Log	1						
Red Maple	5	Log	1						
Quaking Aspen	90	Log	1	5					
74	4130 - Aspen	Sawtimber Well	58.8	51	111-140	N/A	Well stocked mature aspen stand in rolling topography. There are some trees beginning to fall out of the canopy. The oak component is located along the eastern boundary.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Oak	3		11		Red Maple	Medium		>20 feet	>20 feet
Quaking Aspen	10	Seedling	8		Black Cherry	Low		10 - 20 feet	10 - 20 feet
Bigtooth Aspen	70		9	51					
Black/Red (Hybrid) Oak	7		16						
Red Maple	10		12						
75	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Medium	5.7	35	1-50	N/A	The stand was habitat cut in 1990 as a 2" clearcut. It is very wet with cattails in the southern portion of the stand. The crown closure is around 80%. There are pockets of marsh and lowland shrubs. The high water table gives the stand a low site index. "Jonesville Bridge Swamp" 73-004-88		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	22	Sapling	5		Dogwood (spp.)	Low		5 - 10 feet	5 - 10 feet
Balsam Fir	45	Sapling	5	35	Tag Alder	High		5 - 10 feet	5 - 10 feet
Paper Birch	20	Pole	4		Willow spp.	Medium		5 - 10 feet	5 - 10 feet
Quaking Aspen	10	Sapling	5						
76	42210 - Natural Red Pine	Sawtimber Medium	8.1	76	51-80	N/A	Stand cut under Town Line Creek Mix 73-001-17 in spring of 2019. All oak, jack pine, aspen and red maple were cut. Cruise cards show 37.5 BA/Acre residual.The stand is a mixture of red, white, and jack pines and oaks. The jack pine and the oak at the southern end of the stand are declining. Currently there is a lot of down woody material especially at the south end. It was not harvested with stand 35.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	25		14		Red Maple	Medium		< 5 feet	< 5 feet
Red Pine	75		14	76	White Pine	Medium		5 - 10 feet	5 - 10 feet
					Black Spruce	Low		5 - 10 feet	5 - 10 feet
					Black/Red (Hybrid) Oak	Medium		< 5 feet	< 5 feet
					Balsam Fir	Medium	>20 feet	>20 feet	
77	42140 - Planted Mixed Pine	Poletimber Well	37.7	98	81-110	N/A	The stand was harvested to 4" DBH retaining all pines in 1998 under "Flying Chef" 73-053-97. This portion of the sale had a higher percentage of mature pines then the rest. There were portions of the stand that were interplanted with red pine in 2002. However, the current residual pines make up the majority of the crown closure. The overstory is heavy to white pines in the north western 1/3 and red pines in the south eastern 1/3.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	45		14		Black/Red (Hybrid) Oak	Low		5 - 10 feet	5 - 10 feet
White Pine	45		14	98	White Pine	High		>20 feet	>20 feet
Black/Red (Hybrid) Oak	10		16		Red Pine	High	>20 feet	>20 feet	

Stand	Level 4 Cover Type	Size Density		Acres	Stand Age	BA Range	Managed Site	General Comments																																																																		
78	4191 - Mixed Upland Deciduous with Conifer	Sapling Well		25.3	25	81-110	N/A	Mixed upland deciduous stand with maple, aspen, oak and mixed conifers. The red maple is common throughout the stand. Birch is more prevalent in the east end where the ground is lower and wetter.																																																																		
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79	500 - Water	None		18.0			No	North half of Haskel Lake																																																																		
80	4199 - Other Mixed Upland Deciduous	Poletimber Well		34.4	92	81-110	N/A	The stand is two-aged with mature mixed oak and maple. Maple and aspen is filling in the canopy. The terrain is rolling. The white pine is concentrated along the shore of Haskel Lake and a pocket along the north edge.																																																																		
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81	6120 - Lowland Cedar	Poletimber Well		16.5	109	81-110	N/A	Lowland cedar stand with a good majority of blow down. There are more open grassy swales in the north half.																																																																		
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82	3303 - Mixed Low Density Trees	None		8.5			No	Open grown stand that is below the 25% canopy closure. The cherry & jack pine is 5-7" DBH and open grown. Minimal oak regeneration and it is under 10' tall. Heavy orv use.																																																																		
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83	4125 - Black, N. Pin Oak	Sapling Medium			8.8	26	Immature	N/A	The stand was harvested in 1998 under "New Purchase Salvage" 73-051-97 and it was not interplanted. The terrain is fairly flat. The regeneration is somewhat variable. Canopy closure is closer to 75% as the stand continues to fill in and grow.																																																															
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84	122 - Road/Parking Lot	None			1.7			No	This is Wilson Road																																																															
85	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well			71.1	22	Immature	N/A	The stand was harvested in 1998 under "New Purchase Salvage" 73-051-97. Pockets of 4" saplings were left during previous harvest. Stand was interplanted with red pine in 2002 with a portion being redone in 2004. The red pine is doing well in the swales and the hardwood is doing better on the slopes and hills.																																																															
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86	629 - Mixed non-forested Wetland	None			8.7			No	Marsh with standing water during non-drought conditions. There are also pockets of thick willow & tag alder																																																															
87	4131 - Aspen, Oak	Poletimber Well			25.7	26	81-110	N/A	The stand was harvested in 1998 under "New Purchase Salvage" 73-051-97 and regenerated well naturally. There are pockets of pure oak towards the north end as well as heavy oak understory beneath the aspen. The southern portion of the stand is heavy to aspen with not much in the understory.																																																															
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88	4199 - Other Mixed Upland Deciduous	Sawtimber Well			67.8	92	81-110	N/A	Mature upland hardwoods stand. Large red and white oak with a heavy maple component. Red maple saplings are recruiting into the pole class.																																																															
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89	4130 - Aspen	Sapling Well	69.4	8	Immature	N/A	Harvested as a clearcut with retention in Long Lake Mix 73-004-16. It was completed Aug. 2018. Coming back very well to aspen with a good portion of maple and oak mixed in.																																																			
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90	500 - Water	None	13.5			No	This stand is Townline Creek																																																			
91	4126 - White, Black, N. Pin Oak	Sawtimber Well	4.6	95	81-110	N/A	The stand was thinned in 1990. Subcanopy is heavy to oak now with a good majority being white oak. Canopy closure is closer to 75%																																																			
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92	500 - Water	None	4.3			No	Townline Creek																																																			
93	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	31.5	15	Immature	N/A	The stand was final harvested in March of 2009, Hawthorn Mix, sale number 73-008-08-01. It was planted to jack pine in 2011, FTP C73-836. The oak regeneration dominates the northern half of the stand, while the planted jack pine is doing better in the south and eastern portion of the stand.																																																			
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94	4131 - Aspen, Oak	Poletimber Well	102.4	26	Immature	N/A	The stand was clear cut in 1999 under "New Purchase Salvage" 73-051-97. Then a portion of it burned in a wildfire in the spring of 2005. The terrain is rolling. The species density and composition is variable. There are numerous aspen clones with an oak understory. Areas of oak and choke cherry are found in the lower elevation pockets & are slowly filling in.																																																			
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95	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	18.9	22	51-80	N/A	This stand was cut out of surrounding mixed hardwoods and planted red pine. More contiguous red pine rows and can now be managed as a red pine plantation. The stand was harvested in 1998 under "New Purchase Salvage" 73-051-97 and then interplanted in 2002.																																																	
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96	6239 - Mixed Emergent Wetland	None	47.3			No	This stand is the wetlands on either side of Townline Creek. The south east end is heavier to cattails and marsh grass with some large snags along the edges.																																																	
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97	42220 - Natural Jack Pine	Poletimber Medium	3.2	85	51-80	N/A	The stand is a strip of trees left between the power line and Pierce Road. It is a mix of oaks and pines.																																																	
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98	6225 - Bog	None	1.1			No	The stand is in a depression on a pocket of Loxley Muck soil.																																																	
99	6122 - Black Spruce	Poletimber Poor	16.7	99	1-50	N/A	This area is a large wetlands with scattered black spruce and cedar.																																																	
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Tag Alder	Full	5 - 10 feet	5 - 10 feet																																																					
100	6229 - Mixed Lowland Shrub	None	6.5			No	This stand is a depression that is heavy to tag alder, willow and dogwood. Any canopy trees are dying out.																																																	
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101	623 - Emergent Wetland	None	8.8			No	The stand is now more of a cattail marsh then a beaver pond. The dam is still presence but it has been breached.																																																	
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102	6230 - Cattail	None	32.0			No	Cattail marsh with evidence of Beaver activity																																																								
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103	500 - Water	None	3.5			No																																																									
104	6112 - Lowland Aspen	Poletimber Well	20.9	46	81-110	N/A	Mature aspen stand with a more lowland influence than the adjacent stand to the south. Smaller diameter aspen and heavier to balsam fir in the overstory and understory.																																																								
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105	4199 - Other Mixed Upland Deciduous	Poletimber Well	1.7	60	81-110	N/A	Upland hardwood ridge along the US-127 corridor.																																																								
106	4130 - Aspen	Sapling Well	7.6	5	Immature	N/A	Stand cut under Town Line Creek Mix 73-001-17 in fall of 2020 as a 2" clearcut. This stand regenerated better than stand 25 to the south.																																																								
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107	4310 - Pine, Oak Mix	Poletimber Well	66.6	22	Immature	N/A	The stand was clear cut in 1998 under "Flying Chef" 73-053-97 and interplanted with red pine.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
108	42110 - Planted Red Pine	Sawtimber Well	30.0	69	111-140	N/A	Good quality red pine in both form and height. The average basal area is sitting around 130-140 BA/Acre. The stand was thinned in the summer of 2011, Clare Red Pine Assist, sale number 73-009-07-01 to 117 BA/Acre. There is an inclusion of L-Type and a vein of hardwoods and white pines in the central portion of the stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	83		12	69	Black/Red (Hybrid) Oak	Low		5 - 10 feet	5 - 10 feet
Bigtooth Aspen	4		10	69	White Oak	Low		5 - 10 feet	5 - 10 feet
Red Maple	4		6		Witch Hazel	Low		5 - 10 feet	5 - 10 feet
Jack Pine	2	Seedling	5		Beech	Low		5 - 10 feet	5 - 10 feet
White Pine	5		12						
Paper Birch	2	Seedling	6						
109	6224 - Treed Bog	None	10.5			No	The crown closure is closer to 15%. Less canopy closure than the bog on the west side of the road.		
					Sub-Canopy Species	Density		Avg. Height	Size
					White Pine	Medium		10 - 20 feet	10 - 20 feet
					Leatherleaf	Full		5 - 10 feet	5 - 10 feet
					Paper Birch	Medium		10 - 20 feet	10 - 20 feet
					Tag Alder	Medium		5 - 10 feet	5 - 10 feet
110	4130 - Aspen	Poletimber Well	9.6	28	51-80	N/A	A well stocked aspen stand that is starting to grow into pole size. The stand was clearcut in 1997 under "Rusty Dog Pine" 73-040-97.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	70	Sapling	5	28	Witch Hazel	Low		5 - 10 feet	5 - 10 feet
White Oak	2	Sapling	5		Balsam Fir	Low		>20 feet	>20 feet
Black/Red (Hybrid) Oak	4	Sapling	5						
Bigtooth Aspen	20	Sapling	5	28					
Red Maple	4	Sapling	5						
111	500 - Water	None	2.4			No	The stand looks to be an old beaver flooding that is starting to fill in with lowland shrubs		
112	42110 - Planted Red Pine	Sawtimber Well	18.5	69	81-110	N/A	The stand was thinned in the summer 2011 under Clare Red Pine Assist 73-009-07-01. Current basal area ranged from 90-120 BA/Acre. Good quality and form in the stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	100		10	69	Red Maple	Low		5 - 10 feet	5 - 10 feet
					Common Blackberry	Medium		5 - 10 feet	5 - 10 feet
					Red Oak	Low		5 - 10 feet	5 - 10 feet
					White Oak	Low		5 - 10 feet	5 - 10 feet
					Beech	Low		10 - 20 feet	10 - 20 feet
113	6239 - Mixed Emergent Wetland	None	3.4			No	The stand is the wetlands along Townline Creek. It is a mixture of lowland shrubs, marsh grass, leather leaf, and some scattered trees.		
					Sub-Canopy Species	Density		Avg. Height	Size
					Black Spruce	Low		10 - 20 feet	10 - 20 feet
					Tag Alder	High		5 - 10 feet	5 - 10 feet
					Michigan Holly	Medium		5 - 10 feet	5 - 10 feet
					Balsam Fir	Low		10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
114	4136 - Aspen, Mixed Conifer	Poletimber Well	19.2	50	81-110	N/A	The stand has areas of thick understory of 2-3' balsam fir. Areas of lower ground contain pockets of windthrow.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	60	Seedling	7	50	Balsam Fir	Medium		>20 feet	>20 feet
Bigtooth Aspen	10	Seedling	7	50	Tag Alder	Low		5 - 10 feet	5 - 10 feet
Balsam Fir	17	Sapling	6		Paper Birch	Trace		>20 feet	>20 feet
Black/Red (Hybrid) Oak	3	Sapling	6		Beech	Low		10 - 20 feet	10 - 20 feet
Red Maple	5	Sapling	6		Hawthorn (spp.)	Trace		5 - 10 feet	5 - 10 feet
White Pine	5		7						
115	6120 - Lowland Cedar	Poletimber Well	19.9	109	111-140	N/A	There is a lot of down trees in the stand. In areas where the cedar over story has come down the fir is so thick it is hard to navigate. Very dense stand of cedar, balsam fir and tag alder.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Northern White Cedar	55		8	109	Northern White Cedar	Low		>20 feet	>20 feet
Paper Birch	5	Seedling	6		Balsam Fir	Full		>20 feet	>20 feet
Red Maple	10	Sapling	6		Tag Alder	Full		5 - 10 feet	5 - 10 feet
Quaking Aspen	5	Seedling	5						
Balsam Fir	25	Sapling	6						
116	4131 - Aspen, Oak	Poletimber Well	43.6	27	Immature	N/A	The stand was clearcut in spring of 1998 under "Marsh Divide" 73-061-97. There is a small (1-2 acre) section of mixed aspen, white pine, and balsam fir that was painted out because of wet ground. All cedar and hemlock were left during 1998 harvest. Areas that were less canopy cover are seeding in with oak and white pine.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Northern White Cedar	1	Sapling	5		Paper Birch	Low		>20 feet	>20 feet
Bigtooth Aspen	30	Seedling	5	27	Balsam Fir	Low		< 5 feet	< 5 feet
Balsam Fir	1	Sapling	6		White Pine	Low		< 5 feet	< 5 feet
Quaking Aspen	20	Sapling	5		Witch Hazel	Low		5 - 10 feet	5 - 10 feet
Paper Birch	10	Sapling	5		Musclewood/Hornbeam	Low		5 - 10 feet	5 - 10 feet
White Oak	1	Log	4						
Red Maple	7	Seedling	6						
White Pine	10	Sapling	5						
Black/Red (Hybrid) Oak	20	Seedling	6	27					
117	6112 - Lowland Aspen	Poletimber Well	33.4	37	81-110	N/A		This stand is a lowland aspen stand with a heavy influence of balsam fir. There are now some pockets of pole size balsam fir and also areas of blow down where balsam fir was left during 1988 harvest. It was harvested in 1988 as a 4" clearcut under "Wilson Road" 73-043-87.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density			Avg. Height
Black/Red (Hybrid) Oak	5	Seedling	7		Tag Alder	Low	5 - 10 feet		5 - 10 feet
Balsam Fir	25	Sapling	6		Balsam Fir	Medium	5 - 10 feet		5 - 10 feet
Bigtooth Aspen	20	Seedling	6		Paper Birch	Low	>20 feet		>20 feet
Paper Birch	10	Sapling	5						
Quaking Aspen	35	Sapling	6	37					
Red Maple	5	Sapling	6						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
118	4130 - Aspen	Poletimber Well	59.0	46	81-110	N/A	Mature aspen stand with lowland thicket inclusions and ridges. There are lowland drains bisecting stand containing higher density of balsam fir and smaller diameter hardwoods.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		2	Sapling	6		Musclewood/Hornbeam		Low	5 - 10 feet	5 - 10 feet	
Bigtooth Aspen		65	Seedling	8	46	Balsam Fir		Low	10 - 20 feet	10 - 20 feet	
Balsam Fir		6	Seedling	6		Tag Alder		Low	5 - 10 feet	5 - 10 feet	
Red Maple		10	Sapling	6		Paper Birch		Low	>20 feet	>20 feet	
White Oak		1	Sapling	6							
Quaking Aspen		15	Sapling	7							
White Pine		1		14							
119	6225 - Bog	None	1.1			No	The stand is a leather leaf depression with some conifer on the west end.				
120	6225 - Bog	None	2.3			No	This stand is a leather leaf depression. The perimeter slope significantly and is treed.				
		Sub-Canopy Species		Density	Avg. Height	Size					
		Paper Birch		Low	>20 feet	>20 feet					
		Jack Pine		Low	>20 feet	>20 feet					
		White Pine		Low	>20 feet	>20 feet					
		Quaking Aspen		Low	>20 feet	>20 feet					
121	4130 - Aspen	Poletimber Well	9.8	26	Immature	N/A	The stand was harvested in 1998 under "New Purchase Salvage" 73-051-97. Pockets of 4" saplings were left during previous harvest. This portion of the stand was not interplanted to red pine.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size		
Bigtooth Aspen		60	Seedling	5	26	Witch Hazel		Medium	5 - 10 feet	5 - 10 feet	
Red Maple		5	Log	1							
Black/Red (Hybrid) Oak		15	Seedling	5							
Black Cherry		10	Pole	4							
Jack Pine		6	Sapling	5							
White Oak		4	Pole	4							
122	4130 - Aspen	Poletimber Well	29.8	37	81-110	N/A	The stand is a fully stocked aspen type that is now moving into poles. There are multiple 1-2 acre lowland inclusions throughout the stand. Balsam fir is heavier to the south. Stand was cut in 1988 under "Wilson Road" 73-043-87 2" clearcut				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size		
Balsam Fir		5	Seedling	5		Michigan Holly		Low	5 - 10 feet	5 - 10 feet	
Bigtooth Aspen		65	Seedling	6	37	Tag Alder		Low	5 - 10 feet	5 - 10 feet	
Paper Birch		5	Seedling	5		Black Cherry		Low	5 - 10 feet	5 - 10 feet	
Red Maple		10	Seedling	6		Balsam Fir		Medium	5 - 10 feet	5 - 10 feet	
Black/Red (Hybrid) Oak		5	Seedling	5		Black/Red (Hybrid) Oak		Low	5 - 10 feet	5 - 10 feet	
Quaking Aspen		10	Seedling	6							

Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
123	4310 - Pine, Oak Mix	Poletimber Well			37.8	22	Immature	N/A	The stand was clear cut in 1998 under "Flying Chef" 73-053-97 and interplanted with red pine. This portion has a higher percentage of white pine logs left in the canopy.																																																							
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124	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well			50.3	22	Immature	N/A	The stand was clearcut to 4" in 1997 retaining pines under "Flying Chef" 73-053-97 & interplanted with red pine in 2002. Very diverse stand with log sized white pine and natural regen, while also containing areas of planted red pine. The residual jack pine poles are higher at the north end, white pine logs are throughout and red pine sawlogs are scattered.																																																							
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125	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well			43.6	102	81-110	N/A	The stand is highly variable and it is on the Muskegon River Flood Plain. The west end is heavier to a cedar lowland type. The east end towards the river transitions more to lowland hardwood & balsam fir with a few small upland ridges.																																																							
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126	6120 - Lowland Cedar	Poletimber Medium			3.7	108	81-110	N/A	Lowland cedar stand that transitions into the Towline Creek floodplain.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
127	4310 - Pine, Oak Mix	Poletimber Well	20.8	22	Immature	N/A	The stand was clear cut in 1998 under "Flying Chef" 73-053-97 and interplanted with red pine. This portion of the area has a higher density of white pine logs in the canopy.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		10		15		Witch Hazel		Low	5 - 10 feet	5 - 10 feet
Red Maple		5	Seedling	6		White Oak		Trace	5 - 10 feet	5 - 10 feet
Paper Birch		5	Seedling	6		Black/Red (Hybrid) Oak		Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		15	Seedling	6	26	White Pine		Low	5 - 10 feet	5 - 10 feet
Red Pine		40	Pole	4	22					
Black/Red (Hybrid) Oak		25	Seedling	5						
128	6220 - Alder/Willow	None	3.0			No	This stand is in a depression and is mainly tag alder. There are pockets of aspen and birch but there is not much.			
Sub-Canopy Species		Density	Avg. Height	Size						
Tag Alder		Full	5 - 10 feet	5 - 10 feet						
Quaking Aspen		Low	>20 feet	>20 feet						
Paper Birch		Low	>20 feet	>20 feet						
129	6220 - Alder/Willow	None	2.5			No	This stand is a depression within an aspen stand that has some scattered aspen, maple and fir.			
Sub-Canopy Species		Density	Avg. Height	Size						
Tag Alder		Full	5 - 10 feet	5 - 10 feet						
Paper Birch		Low	>20 feet	>20 feet						
Quaking Aspen		Low	>20 feet	>20 feet						
Balsam Fir		Low	5 - 10 feet	5 - 10 feet						
130	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	9.7	108	81-110	N/A	The stand is highly variable and it is on the Muskegon River Flood Plain. Overall the stand has a red maple canopy with conifers filling in canopy gaps.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		3		14		Red Maple		Low	Variable	Variable
Jack Pine		2	Seedling	8		Balsam Fir		Medium	10 - 20 feet	10 - 20 feet
White Pine		25		18		Tag Alder		Low	5 - 10 feet	5 - 10 feet
Black Spruce		1	Seedling	6		White Pine		Medium	>20 feet	>20 feet
Black/Red (Hybrid) Oak		6		16		Black Spruce		Low	10 - 20 feet	10 - 20 feet
Balsam Fir		10	Sapling	6						
Red Maple		41		13	108					
Northern White Cedar		10		10						
Bigtooth Aspen		2		14						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
131	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	26.8	92	81-110	N/A	The stand is transitioning into a lowland coniferous stand, dominated by balsam fir. The northern half it more patchy in canopy cover and contains more tag alder thickets. The southern half has a few isolated upland knobs where the aspen and oak is found. The southwest corner was in the recent timber sale to the west, but never got harvested due to low, wet ground.																																																															
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132	42290 - Natural Mixed Pine	Sawtimber Well	9.2	60	51-80	N/A	All the aspen and oak were cut in 1997 under "Flying Chef" 73-053-97 and all conifers were left. White pine basal area was around 40-50 ba/acre in Feb 2025. The oak regeneration is coming along well.																																																															
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133	6239 - Mixed Emergent Wetland	None	4.6			No	Lowland swale along the Muskegon River flood plain																																																															
134	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	35.8	22	Immature	N/A	The stand was clearcut to 4" in 1997 retaining pines under "Flying Chef" 73-053-97 & interplanted with red pine in 2002. Very diverse stand with log sized white pine and natural regen, while also containing areas of planted red pine. The residual jack pine poles are higher at the north end, white pine logs are throughout and red pine sawlogs are scattered.																																																															
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135	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	18.0	50	81-110	N/A	Mixed upland white pine stand with a minor component of red maple and oak. Stand is higher than adjacent lowland type.																																																															
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136	4133 - Aspen, Mixed Pine	Poletimber Poor	2.3	37	1-50	N/A	The stand is the ORV/snowmobile parking lot at the north end and special use area at the south end. The soils are heavily disturbed with about 40% being exposed sand.																																																
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139	4133 - Aspen, Mixed Pine	Poletimber Poor	48.6	37	1-50	N/A	The stand is the ORV/snowmobile parking lot at the north end and special use area at the south end. The soils are heavily disturbed with about 40% being exposed sand.																																																
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146	42120 - Planted Jack Pine	Poletimber Well	21.3	35	81-110	N/A	The stand was planted in 1990. The jack pine has a low occurrence of galls. Also there are some killed leaders and dead trees but they are widely scattered. Stand 144 in compartment 9 was planted at the same time.																																																
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209	6224 - Treed Bog	None	1.8			No	The crown closure is closer to 20%.																																																
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246	4122 - Oak, Pine	Poletimber Medium	7.2	35	1-50	N/A	The stand has a crown closure of around 60%. Most of the oak is stump sprout origin but some are seed source. The density in the stand is variable going from dense to sparse. The ORV trail runs through the stand.																																																
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400	310 - Herbaceous Openland	None	5.1			Yes	Wildlife Division maintained opening																																																
402	3103 - Rubus-Fern	None	0.5			No	The stand is heavy to blackberry. It is not a maintained opening so it would make a good landing for stand 89.																																																

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
403	310 - Herbaceous Openland	None	2.5			No	Unmanaged opening that may be an old gravel pit. Heavy orv use and small hill climbs on the west edge.			
404	310 - Herbaceous Openland	None	1.2			No	The stand appears to be the landing used to harvest stand 108. There are now some shrubs filling in along the edges.			
405	320 - Upland Shrub	None	6.4			No	The stand is mainly shrubs 3-5' with some areas where it is 5-10'. There are also a couple of open areas of herbaceous ground cover.			
				Sub-Canopy Species				Density	Avg. Height	Size
				Black Willow				Full	5 - 10 feet	5 - 10 feet
				White Pine				Low	>20 feet	>20 feet
				Choke Cherry				Low	>20 feet	>20 feet
				Tag Alder				Medium	5 - 10 feet	5 - 10 feet
406	3102 - Grass	None	2.7			No	utility line ROW			