Compartment Review Presentation

Roscommon Forest Management Unit

Compartment **71077**
Entry Year **2028**
Acreage: **4,133**
County: **Ogemaw**
Management Area: **High Sand Plains**

Stand Examiner: Dakota Ewald

Legal Description:

T24N R01E Sections 14, 13, 23 and 24. T24N R02E Sections 3, 4, 5, 6, 7 and 17

Identified Planning Goals:

Primary goal is to provide and maintain habitat for the Kirtland Warbler, as a majority of this compartment falls within the core KW area.

Soil and topography:

Soils within the compartment primarily consist of Graycalm, Grayling and Mancelona Sands, with very little variation. Terrain is mostly flat, with a few areas of rolling terrain and higher ridgelines.

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

Ownership is primarily state land with a few small private inclusions. Surrounding ownership is mostly state land except for the Northern most boundary, which is federal land. There are also a few larger areas of private ownership adjacnet to the compartment within sections 7 and 18 of T24N R02E.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

There is a known archaeological site within the compartment.

Special Management Designations or Considerations:

Much of the compartment falls within designated Kirtland Warbler habitat.

Watershed and Fisheries Considerations:

None.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for economic deposits of metallic minerals in this part of the state. No active sand/gravel operations are known to occur within the vicinity, and while there is some potential for sand & gravel development on the uplands, the compartment might be too far from populated areas (commercial markets) to have much economic value beyond use by the county road commission or DNR for local road maintenance. Oil & gas production from the Rose City field is occurring in the southwest end of the compartment, and some State-owned mineral rights remain under lease and held by production. The field is very mature and other parts have undergone secondary recovery operations. Potential for further expansion of the fields is low. There has been no recent well permitting activity around the compartment. Potential for future oil & gas development within the compartment is considered low at this time. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Vehicle access within the compartment is mostly good, with well traveled county roads in Fairview road and Perry Holt rd. There also is a one by one mile grid network of minor county that roads that cover the area. These are primarily unmaintained and can be difficult access due to being mostly blow sand material. There are also many state forest roads and two tracks throughout the area.

Survey Needs:

None at this time.

If you need assistance with this report, please email
DNR-Forestry@michigan.gov or call 517-284-5900

Recreational Facilities and Opportunities:

The snowmobile trail and an atv trail run through and adjacent to the compartment. The county road network also sees a fair amount of orv use and other vehicle traffic. This area is also popular among deer hunters, with several well used dispersed camping areas.

Fire Protection:

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**

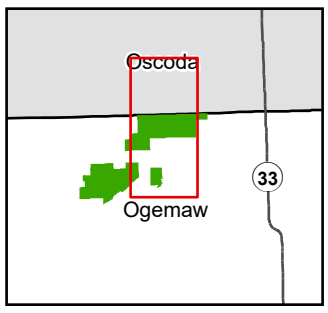
The following information is displayed, where pertinent, on the attached compartment maps:

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

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

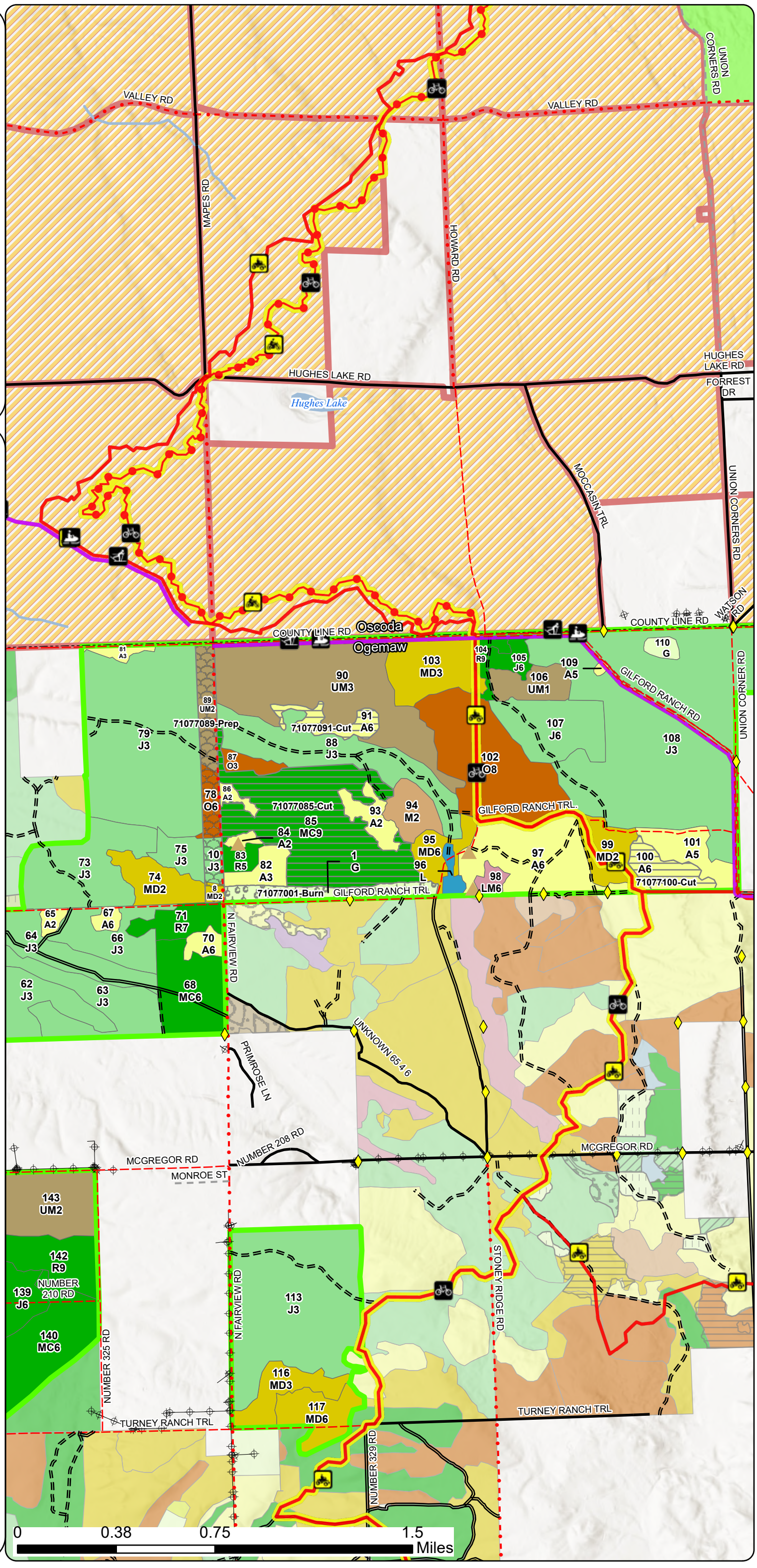
Cover Type & Treatments Map

Compartment: 71077
T24N, R01W, Sec. 26-28, 32-35
T23N, R01W, Sec. 2, 3
County: Ogemaw
Unit: Roscommon
Mgmt. Area: High Sand Plains
YOE: 2028
Acres: 4,132.61 GIS Calculated
Examiner: Dakota Ewald
Date Exported: 06/11/2026
Map Phase: Web Post



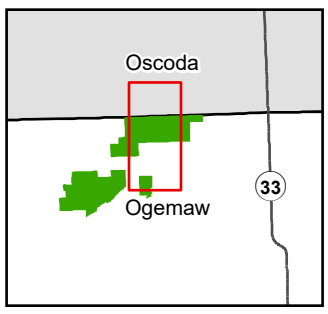
N

- Survey Grade Corners
- Berm
- Designated MCCCT Trails
- Designated ORV Routes
- Designated ATV Trails
- Designated Motorcycle Trails
- Designated Snowmobile
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- Clearcut
- Site Prep
- Prescribed Burn
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Decidous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 629 - Mixed non-forested Wetland



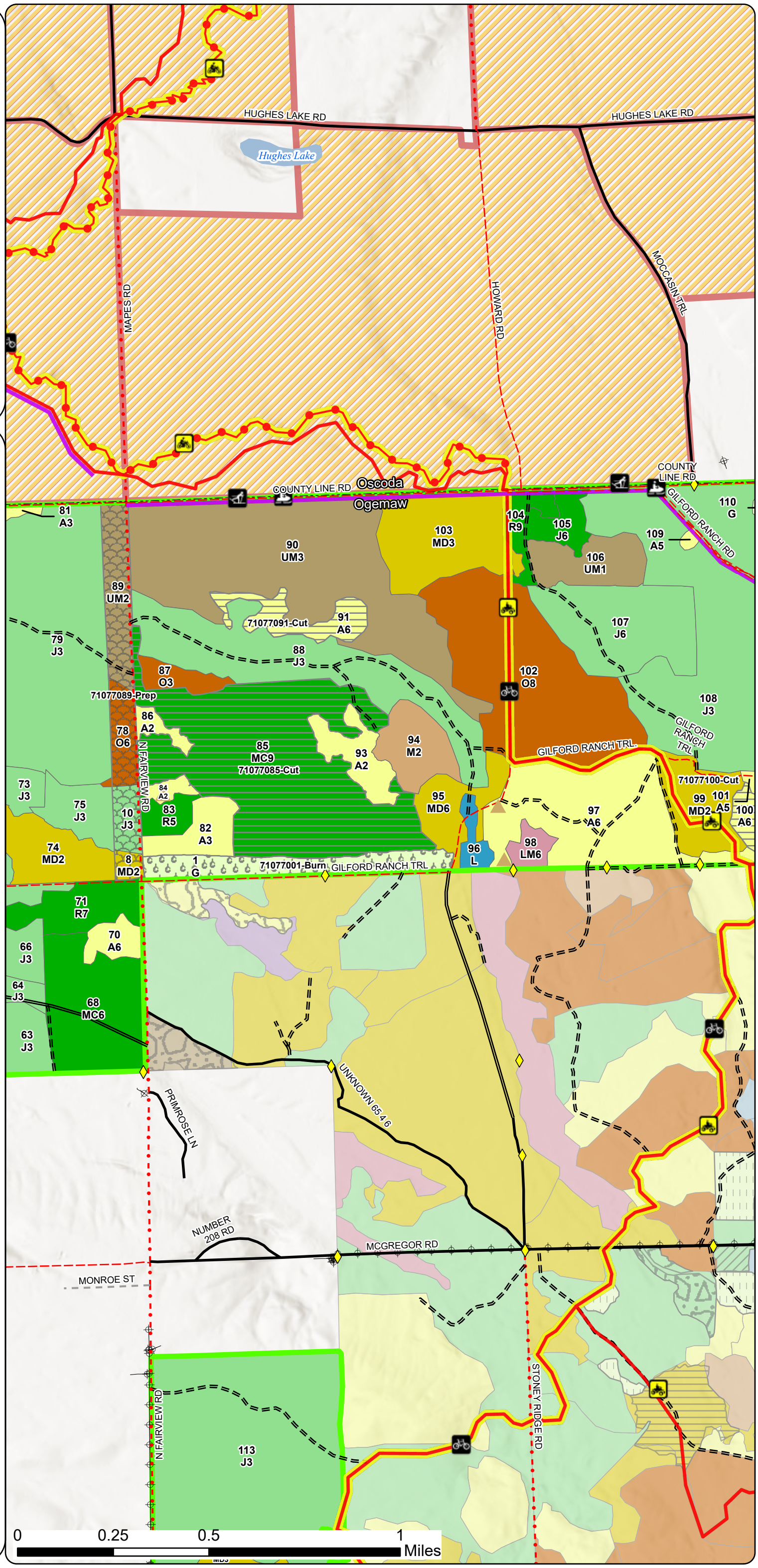
Cover Type & Treatments Map

Compartment: 71077
T24N, R01W, Sec. 26-28, 32-35
T23N, R01W, Sec. 2, 3
County: Ogemaw
Unit: Roscommon
Mgmt. Area: High Sand Plains
YOE: 2028
Acres: 4,132.61 GIS Calculated
Examiner: Dakota Ewald
Date Exported: 06/11/2026
Map Phase: Web Post



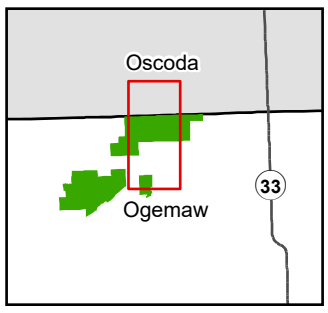
N

- Survey Grade Corners
- Berm
- Designated MCCCT Trails
- Designated ORV Routes
- Designated ATV Trails
- Designated Motorcycle Trails
- Designated Snowmobile
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lakes and Rivers
- Electric
- Compartment Boundary
- Clearcut
- Site Prep
- Prescribed Burn
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Decidous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 629 - Mixed non-forested Wetland



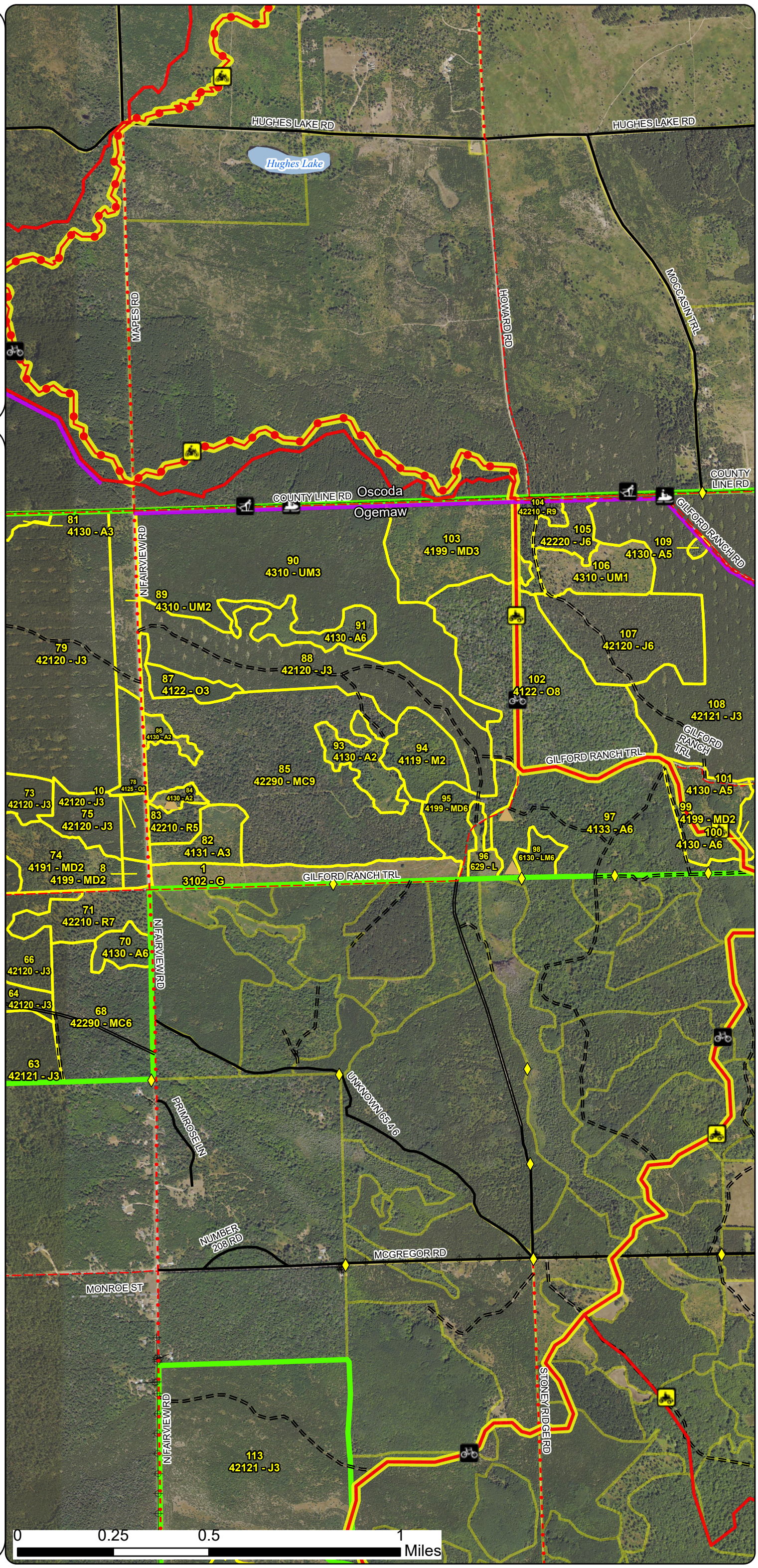
Stand Boundary Map

Compartment: 71077
T24N, R01W, Sec. 26-28, 32-35
T23N, R01W, Sec. 2, 3
County: Ogemaw
Unit: Roscommon
Mgmt. Area: High Sand Plains
YOE: 2028
Acres: 4,132.61 GIS Calculated
Examiner: Dakota Ewald
Date Exported: 06/11/2026
Map Phase: Web Post



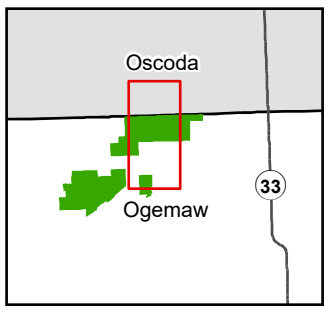
N

- Survey Grade Corners
- Berm
- Designated MCCCT Trails
- Designated ORV Routes
- Designated ATV Trails
- Designated Motorcycle Trails
- Designated Snowmobile
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lakes and Rivers
- Electric
- Compartment Boundary
- Stand Outline
  - 411 - Northern Hardwood
  - 412 - Oak Types
  - 413 - Aspen
  - 419 - Mixed Upland Decidous
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 430 - Upland Mixed Forest
  - 613 - Lowland Mixed Forest
  - 310 - Herbaceous Openland
  - 629 - Mixed non-forested Wetland



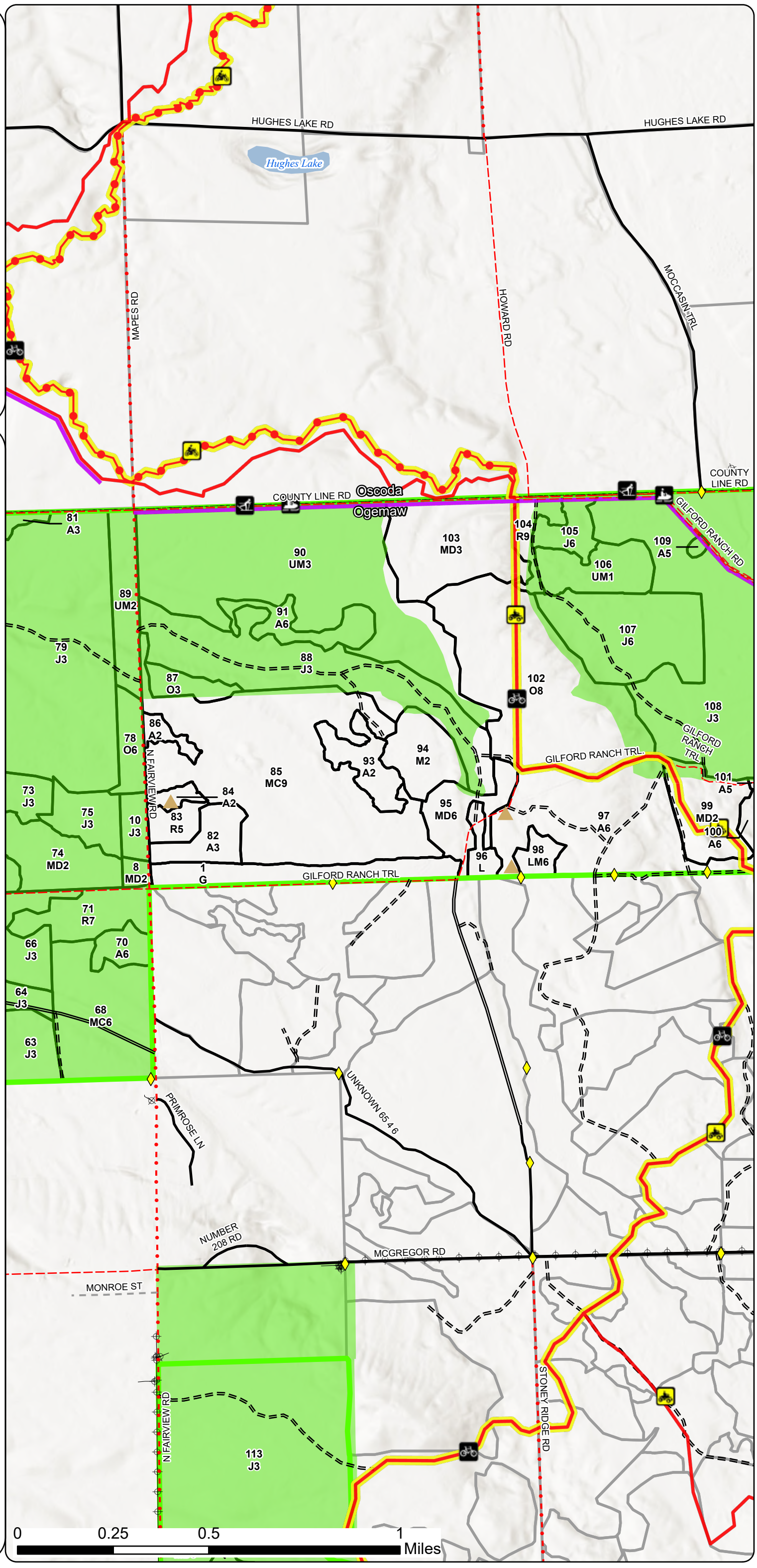
Special Conservation Areas & Site Conditions Map

Compartment: 71077
T24N, R01W, Sec. 26-28, 32-35
T23N, R01W, Sec. 2, 3
County: Ogemaw
Unit: Roscommon
Mgmt. Area: High Sand Plains
YOE: 2028
Acres: 4,132.61 GIS Calculated
Examiner: Dakota Ewald
Date Exported: 06/11/2026
Map Phase: Web Post



N

- Survey Grade Corners
- Berm
- Designated MCCCT Trails
- Designated ORV Routes
- Designated ATV Trails
- Designated Motorcycle Trails
- Designated Snowmobile
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lakes and Rivers
- Electric
- Compartment Boundary
- Stand Boundaries
- Kirtland's Warbler Habitat



Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit **Compartment 77** **Year of Entry 2028**

Dakota Ewald: 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	0	40	16	34	104	39	9	1	0	0	0	0	0	0	0	0	0	**241**
Bare/Sparsely Vegetated	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Herbaceous Openland	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**43**
Jack Pine	0	0	0	1006	1257	154	176	0	0	12	0	0	0	0	0	0	0	0	**2605**
Lowland Mixed Forest	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	**7**
Lowland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**6**
Mixed Upland Deciduous	0	0	50	58	45	7	33	21	0	0	0	0	0	0	0	0	0	0	**213**
Natural Mixed Pines	0	0	0	0	0	0	150	145	0	0	53	0	0	0	0	0	0	0	**348**
Northern Hardwood	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**22**
Oak	0	0	0	0	42	0	0	0	0	0	0	109	9	0	0	0	0	0	**159**
Red Pine	0	0	0	0	0	0	0	5	8	41	114	0	0	0	0	0	0	0	**168**
Upland Mixed Forest	0	107	0	21	146	0	0	0	0	0	0	34	0	0	0	0	0	0	**307**
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	**9**
Total	**52**	**107**	**90**	**1123**	**1524**	**272**	**398**	**180**	**9**	**53**	**167**	**143**	**9**	**9**	**0**	**0**	**0**	**0**	**4131**

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2028

Compartment 77
Total Compartment Acres: 4,133

Acres of Harvest

Commercial Harvest - 1028
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	39	0	0	0	0	0	0	0	0	**39**
Natural Mixed Pines	145	0	0	0	0	0	0	0	0	**145**
Red Pine	0	0	0	0	0	80	0	0	0	**80**
Total	**184**	**0**	**0**	**0**	**0**	**80**	**0**	**0**	**0**	**264**

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	264	0	0	0	28	0	0	0	0	**336**
Next Step	0	0	145	0	72	291	330	0	0	**838**
Total	**264**	**0**	**145**	**0**	**100**	**291**	**330**	**0**	**0**	**1174**

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Proposed Treatments:

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
1	71077001-Burn	27.9	3102 - Grass	99			Burn	Prescribed Burn	3102 - Grass	Previous Inventory	No

Prescription Specs: Periodically burn to reduce woody vegetation and maintain as a fuel break.

Next Step Treatments: Burn, Fuel Break

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

85	71077085-Cut	145.3	42290 - Natural Mixed Pine	9	61	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No

Prescription Specs: Clearcut everything 1 inch and up. Place retention in patches of mature red pine, especially where legacy trees are present. Leave retention only in patches, do not leave single trees. Plant to red pine with full suite of tools.

Next Step Treatments: Pesticide, Aerial - Site Prep; Pesticide, Drone - Site Prep; Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen

Acceptable Regen: Full stocking to planted red pine.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

89	71077089-Prep	44.1	4310 - Pine, Oak Mix	2	25	1-50	Site Prep-Mech.	Site Prep	3102 - Grass	Previous Inventory	No

Prescription Specs: Mastication to convert to a fuel break.

Next Step Treatments: Burn, Opening

Acceptable Regen: Grass opening for fuel break

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
91	71077091-Cut	16.2	4130 - Aspen	6	50	Unspecified	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut with retention, cutting everything 1 inch and up. Add drumming log and coppice regen specs.

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

Acceptable Regen: Full stocking of aspen with a mix of other species.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

100	71077100-Cut	22.8	4130 - Aspen	6	51	141-170	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Clearcut with retention, cutting everything 1 inch and up. Add drumming log and coppice regen specs.

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

Acceptable Regen: Full stocking of aspen.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

133	71077133-Cut	49.3	42110 - Planted Red Pine	9	98	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No

Prescription Specs: Thin down to 70 to 90 BA. Focus on removing poor formed and suppressed trees first. BA across the treatment is variable, so some areas will need a lot heavier thinning than others. Require a shortwood operation.

Next Step Treatments:

Acceptable Regen:

Other Comment: Treatment covers two separate stands that are of the same origin. The southern stand has a higher BA as it was not thinned last entry while the northern stand was. After this treatment the stands can be merged back into one.

Site Condition:

Proposed Start Date: 10/01/2027

133	71077134-Cut	30.7	42110 - Planted Red Pine	9	98	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No

Prescription Specs: Thin down to 70 to 90 BA. Focus on removing poor formed and suppressed trees first. BA across the treatment is variable, so some areas will need a lot heavier thinning than others. Require a shortwood operation.

Next Step Treatments:

Acceptable Regen:

Other Comment: Treatment covers two separate stands that are of the same origin. The southern stand has a higher BA as it was not thinned last entry while the northern stand was. After this treatment the stands can be merged back into one.

Site Condition:

Proposed Start Date: 10/01/2027

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

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

Total Treatment Acreage Proposed: 336.3

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Report 4 – Site Conditions

Roscommon Mgt. Unit

Dakota Ewald: Examiner

Compartment: 77

Year of Entry: 2028

Availability for Management

Total Acres	Acres Available	*Acres Avail With Condition*	Acres Not Available		Dominant Site Conditions 5G	2G	5E
228	226	*0*	2	**Aspen**			2
3	3	*0*	0	**Bare/Sparsely Vegetated**			
43	43	*0*	0	**Herbaceous Openland**			
2603	2591	*12*	0	**Jack Pine**	12		
7	0	*0*	7	**Lowland Mixed Forest**		7	
6	6	*0*	0	**Lowland Shrub**			
214	214	*0*	0	**Mixed Upland Deciduous**			
348	348	*0*	0	**Natural Mixed Pines**			
22	22	*0*	0	**Northern Hardwood**			
160	160	*0*	0	**Oak**			
168	168	*0*	0	**Red Pine**			
308	308	*0*	0	**Upland Mixed Forest**			
9	9	*0*	0	**White Pine**			
4,118	4,098	*12*	8	Total Forested Acres	12	7	2
	100%	*0%*	0%	Relative Percent			

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
9	**Unavailable**	**5E: Long-Term Retention**	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

10	**Available**	**5G: Research Study**	12	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

Has a 5-acre pocket within the stand as a part of a use permit through MSU for a ground flora sampling study.

If you need assistance with this report, please email
DNR-Forestry@michigan.gov or call 517-284-5900

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres

Comments

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Report 7 – Stands

Compartment: 77
Year of Entry: 2028

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	3102 - Grass	None	27.9			Yes	Stand was harvested in 2019. Stand is part of fuel break plan and was burned in 2025.
3	790 - Other Bare/Sparsely Vegetated	None	0.3				oil/gas infrastructure
4	790 - Other Bare/Sparsely Vegetated	None	0.6				oil/gas infrastructure
5	790 - Other Bare/Sparsely Vegetated	None	0.4				oil/gas infrastructure
6	790 - Other Bare/Sparsely Vegetated	None	0.8				oil/gas infrastructure
8	4199 - Other Mixed Upland Deciduous	Sapling Medium	3.4	33	Immature	N/A	Split from stand to the west. It will be part of a fuel break once it is cleared.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	3	Sapling	1	
Quaking Aspen	15	Sapling	1	33
Black/Red (Hybrid) Oak	30	Sapling	1	33
White Pine	2	Sapling/Pole	3	
Red Pine	5	Sapling/Pole	3	
Jack Pine	10	Sapling/Pole	3	
Black Cherry	35	Sapling	1	33

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
9	790 - Other Bare/Sparsely Vegetated	None	0.9				well site
10	42120 - Planted Jack Pine	Sapling Well	8.0	31	Unspecified	N/A	Split from stand to the west. It will ebe part of a fuel break once it is cleared.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	2	Sapling	2	
Red Pine	3	Sapling	4	
Jack Pine	93	Sapling	2	31
Black Cherry	2	Sapling	3	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
61	4130 - Aspen	Sapling Well	5.1	29	1-50	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	3	
White Oak	5	Sapling	3	
Quaking Aspen	10	Sapling	3	
Bigtooth Aspen	68	Sapling	3	29
Jack Pine	2	Sapling	3	
Black Cherry	5	Sapling	3	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	< 5 feet	< 5 feet
Red Maple	Medium	< 5 feet	< 5 feet

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
62	42120 - Planted Jack Pine	Sapling Well	77.5	29	1-50	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	2	Sapling	2	
Jack Pine	95	Sapling/Pole	4	29
Black Cherry	3	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	< 5 feet	< 5 feet
Pin Oak (Southern)	Low	< 5 feet	< 5 feet
Black Cherry	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
63	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	63.2	29	1-50	N/A	Ridge with higher deciduous component than the rest of this KW area.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Sapling	2	
Northern Pin Oak	15	Sapling	2	
Jack Pine	75	Sapling/Pole	4	29
Black Cherry	5	Sapling	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
64	42120 - Planted Jack Pine	Sapling Well	59.7	29	1-50	N/A	Has a little bit of deciduous component to the NW. Mix of thick natural and planted in some places. FTP says rollerchop and plant JP. Chopping may have helped the natural component.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	2	Sapling	1	29
Jack Pine	95	Sapling	4	29
Pin Cherry	3	Sapling	1	29

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
65	4130 - Aspen	Sapling Medium	5.0	22	1-50	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	60	Sapling/Pole	4	22
Northern Pin Oak	15	Sapling	3	
Jack Pine	10	Sapling	2	
Black Cherry	15	Sapling	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
66	42120 - Planted Jack Pine	Sapling Well	40.0	22	1-50	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	8	Sapling	3	
Northern Pin Oak	5	Sapling	3	
Red Pine	2	Pole	5	
Jack Pine	80	Sapling/Pole	4	22
Black Cherry	5	Sapling	3	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
67	4130 - Aspen	Poletimber Well	5.4	22	1-50	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	95	Pole/Sapling	5	22
Northern Pin Oak	3	Sapling	3	
Black Cherry	2	Sapling	3	

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
68	42290 - Natural Mixed Pine	Poletimber Well	52.7	93	111-140	N/A	Stand is highly variable with species composition and BA. Old OI says that it was a diameter limit cut from the 70's. Most red pine and oak was probably left. Includes a valley along the two-track that is heavier to jack pine than the hills on both sides.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Pole	6	62
Northern Pin Oak	20	Pole/Log	8	
White Pine	15	Pole/Log	7	
Red Pine	35	Log	12	93
Jack Pine	25	Pole/Sap/Log	8	62

Sub-Canopy Species	Density	Avg. Height	Size
Pin Oak (Southern)	Low	Variable	Variable
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Red Pine	Low	< 5 feet	< 5 feet
Jack Pine	Low	Variable	Variable
White Pine	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
70	4130 - Aspen	Poletimber Well	8.8	62	Unspecified	N/A	West end of stand is good quality, but east end fairly poor. Looks like east end is lower and may be seasonally wet.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Log	9	
Quaking Aspen	68	Pole	7	62
Black/Red (Hybrid) Oak	3	Pole	6	
White Pine	2	Pole	6	
Red Pine	15	Log	14	93
Black Cherry	2	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	Variable	Variable
Black/Red (Hybrid) Oak	Low	Variable	Variable
Black Cherry	High	< 5 feet	< 5 feet
White Pine	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
71	42210 - Natural Red Pine	Sawtimber Poor	22.8	93	1-50	N/A	Stand was treated in the Spring 2014 by leaving just about 25 percent canopy cover of red pine. Regen is patchy, but in pockets where it did come back it is doing well. Western lobe of stand was untreated and likely left as retention.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log	13	93

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	Variable	Variable
Black/Red (Hybrid) Oak	Low	Variable	Variable
Quaking Aspen	Low	10 - 20 feet	10 - 20 feet
Jack Pine	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
73	42120 - Planted Jack Pine	Sapling Well	76.2	32	1-50	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	3	Sapling	3	
Jack Pine	95	Sapling/Pole	4	32
Pin Cherry	2	Sapling	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
74	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	29.0	33	1-50	N/A	Variable stand with several large open areas.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Sapling	1	33
Black/Red (Hybrid) Oak	30	Sapling	1	33
Red Pine	5	Sapling/Pole	3	
Jack Pine	20	Sapling/Pole	3	
Black Cherry	30	Sapling	2	33

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
75	42120 - Planted Jack Pine	Sapling Well	16.4	31	1-50	N/A	This stand and the one to the north were planted after the large stands to the northwest.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	2	Sapling	2	
Red Pine	3	Sapling	4	
Jack Pine	93	Sapling/Pole	4	31
Black Cherry	2	Sapling	3	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
78	4125 - Black, N. Pin Oak	Poletimber Well	11.9	33	51-80	N/A	Old fuel break that grew in with oak and jack pine. Stand currently has a prep treatment to return it to a fuel break.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	2	Sapling	2	
Quaking Aspen	3	Sapling	2	
Black/Red (Hybrid) Oak	65	Pole/Sapling	5	33
Red Pine	5	Sapling	3	
Jack Pine	15	Pole/Sapling	5	
Black Cherry	10	Sapling	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
79	42120 - Planted Jack Pine	Sapling Well	186.9	32	1-50	N/A	KW plantation with some deciduous patches.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	100	Sapling/Pole	4	32

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
81	4130 - Aspen	Sapling Well	6.5	33	1-50	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	95	Sapling/Pole	4	33
Black/Red (Hybrid) Oak	2	Sapling	3	
Black Cherry	3	Sapling	3	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
82	4131 - Aspen, Oak	Sapling Well	15.4	19	Immature	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	65	Sapling	2	19
Black/Red (Hybrid) Oak	20	Sapling	1	
Red Pine	3	Sapling	1	
Jack Pine	2	Sapling	1	
Black Cherry	10	Sapling	1	

If you need assistance with this report, please email
DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
83	42210 - Natural Red Pine	Poletimber Medium	8.4	74	51-80	N/A	Thinned heavy in 1996. Several ages of red pine present.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	11	74

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	Variable	Variable
White Oak	Low	< 5 feet	< 5 feet
Quaking Aspen	Low	< 5 feet	< 5 feet
Black Cherry	Medium	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	High	< 5 feet	< 5 feet
Jack Pine	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
84	4130 - Aspen	Sapling Medium	3.8	10		N/A	Aspen final harvest done in August 2015 leaving all the red and white pine, birch, and some marked oaks.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	5	Sapling	1	
Black/Red (Hybrid) Oak	10	Sapling	1	
Red Maple	10	Sapling	1	10
Red Pine	10	Log	12	
Bigtooth Aspen	65	Sapling	1	10

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
85	42290 - Natural Mixed Pine	Sawtimber Well	145.3	61	111-140	N/A	Super variable stand with BAs ranging from 70 to over 180. Jack pine is starting to age out and should be cut.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	15	Log/Pole	11	93
White Pine	2	Pole/Log	7	61
Red Pine	25	Log	14	93
Jack Pine	58	Pole/Log	8	61

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	Variable	Variable
Pin Oak (Southern)	Medium	< 5 feet	< 5 feet
White Oak	Low	Variable	Variable
White Pine	Low	Variable	Variable
Black Cherry	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
86	4130 - Aspen	Sapling Medium	4.8	11	Immature	N/A	Aspen final harvest done August 2015. Left all the red and white pine, birch and some oak.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Sapling	1	11
Jack Pine	10	Sapling	1	11
Bigtooth Aspen	85	Sapling	1	11

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
87	4122 - Oak, Pine	Sapling Well	8.8	33	1-50	N/A	Includes some small pieces of jack pine plantation that are connected to the stand to the north.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	65	Sapling/Pole	4	33
Jack Pine	30	Sapling/Pole	4	
Black Cherry	5	Sapling	1	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
88	42120 - Planted Jack Pine	Sapling Well	79.3	32	1-50	N/A	KW plantation

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	95	Sapling/Pole	4	32
Black/Red (Hybrid) Oak	5	Sapling/Pole	3	

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
89	4310 - Pine, Oak Mix	Sapling Medium	21.2	25	1-50	N/A	Part of an old fuel break that has a prep treatmentplanned. More oak to the north with a small clone of aspen as well.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Sapling	1	
Northern Pin Oak	30	Sapling/Pole	3	
Jack Pine	55	Sapling/Pole	3	25
Black Cherry	10	Sapling	1	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
90	4310 - Pine, Oak Mix	Sapling Well	146.2	32	111-140	N/A	Warbler plantation that was established through deciduous regeneration. Some areas have natural jack pine regeneration mixed in. Some parts are heavy oak regeneration, including a patch to the southeast that was not trenched through.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Sapling	2	
White Oak	3	Sapling	2	
Quaking Aspen	2	Sapling	2	
Bigtooth Aspen	3	Sapling/Pole	3	
Northern Pin Oak	35	Sapling/Pole	4	
Red Pine	2	Sapling	2	
Jack Pine	48	Sapling/Pole	4	32
Black Cherry	5	Sapling	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
91	4130 - Aspen	Poletimber Well	16.2	50	Unspecified	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	85	Pole	7	50
Black/Red (Hybrid) Oak	5	Sapling/Pole	4	
Red Pine	3	Sapling/Pole	4	
Jack Pine	2	Sapling/Pole	4	
Black Cherry	5	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	Variable	Variable
Black Cherry	Low	Variable	Variable
Jack Pine	Low	Variable	Variable
Red Pine	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
93	4130 - Aspen	Sapling Medium	16.4	10	Immature	N/A	Final harvest in August 2015. All red and white pine left with some birch and oak.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	1	
Black Cherry	5	Sapling	1	
Jack Pine	5	Sapling	1	
Black/Red (Hybrid) Oak	10	Sapling	1	
Bigtooth Aspen	65	Sapling	1	10
Red Pine	10	Log/Pole	12	

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
94	4119 - Mixed Northern Hardwoods	Sapling Medium	21.5	29	1-50	N/A	Oak clear-cut from 1996. Dense red maple stump sprouts on south end. More oak regeneration mixed with cherry and jack pine to the north.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	65	Sapling/Pole	3	29
Black/Red (Hybrid) Oak	15	Sapling	2	
White Pine	3	Sapling	2	
Red Pine	2	Sapling	2	
Jack Pine	5	Sapling	2	
Black Cherry	10	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet
White Oak	Low	< 5 feet	< 5 feet
Black Cherry	Medium	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
95	4199 - Other Mixed Upland Deciduous	Poletimber Well	20.5	65	81-110	N/A	On the transition from upland to lowland. Has some balsam along the swamp edge and a small clump of large sugar maple where the road currently meets the wetland. It transitions to more aspen and oak to the north and southwest. Has some scattered supercanopy white pine throughout and large overtopping oak.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Log	14	
Red Maple	48	Pole	7	65
White Oak	10	Log	14	
Paper Birch	5	Pole	7	
Quaking Aspen	15	Pole	7	
Black/Red (Hybrid) Oak	5	Log/Pole	12	
White Pine	10	Log/XLog	15	
Red Pine	2	Log	11	
Black Ash	3	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	Variable	Variable
Red Maple	Medium	Variable	Variable
White Pine	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
96	629 - Mixed non-forested Wetland	None	6.4			No	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
97	4133 - Aspen, Mixed Pine	Poletimber Well	79.7	40	Unspecified	N/A	Scattered red pine and white pine left from previous sale. Conifer component is mostly in the western half of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	30	Pole/Sap/Log	7	40
Bigtooth Aspen	15	Pole/Sap/Log	7	40
Black/Red (Hybrid) Oak	20	Pole/Sapling	5	40
White Pine	25	Pole/Log	8	
Red Pine	5	Pole	7	
Red Maple	5	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Medium	Variable	Variable
Red Pine	Low	Variable	Variable
White Oak	Medium	Variable	Variable
Red Maple	Low	10 - 20 feet	10 - 20 feet
Black Cherry	Medium	5 - 10 feet	5 - 10 feet
White Pine	Low	Variable	Variable

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
98	6130 - Fir, Aspen, Maple	Poletimber Well	6.7	40	Unspecified	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Pole/Sapling	6	40
Paper Birch	10	Pole/Sapling	6	
Quaking Aspen	10	Pole/Sapling	7	
Balsam Fir	30	Pole	6	40
Northern White Cedar	5	Pole/Log	9	135
White Pine	5	XLog/Log	18	135
Hemlock	5	Log/Pole	12	135
Black Cherry	5	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	< 5 feet	< 5 feet
Red Maple	Low	Variable	Variable
Balsam Fir	Low	Variable	Variable
Black Spruce	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
99	4199 - Other Mixed Upland Deciduous	Sapling Medium	27.8	20	Immature	N/A	Winter cut in 2006. Some is variable, with some more open areas with low density.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	2	20
Bigtooth Aspen	35	Sapling	2	20
Black/Red (Hybrid) Oak	40	Sapling	2	20
Black Cherry	5	Sapling	2	20

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
100	4130 - Aspen	Poletimber Well	22.8	51	141-170	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	18	Pole/Sapling	5	
Bigtooth Aspen	80	Pole	8	51
Black/Red (Hybrid) Oak	2	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
White Oak	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
101	4130 - Aspen	Poletimber Medium	27.3	30	Unspecified	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	70	Pole/Sapling	6	30
Northern Pin Oak	10	Sapling/Pole	4	
Jack Pine	15	Pole/Sapling	5	
Black Cherry	5	Sapling	3	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	< 5 feet	< 5 feet
Pin Oak (Southern)	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
102	4122 - Oak, Pine	Sawtimber Medium	108.5	104	51-80	N/A	Natural red pine dominating in the center area spread along the road with big oak through the rest of the stand. Very heavy oak regeneration throughout. Some jack pine regeneration along an old skid trail to the northwest.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	25	XLog	25	104
Northern Pin Oak	40	Log	14	104
Red Pine	35	Log/Pole	11	81

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Medium	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	High	< 5 feet	< 5 feet
White Pine	Low	Variable	Variable
Red Pine	Low	5 - 10 feet	5 - 10 feet
Jack Pine	Low	5 - 10 feet	5 - 10 feet

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
103	4199 - Other Mixed Upland Deciduous	Sapling Well	50.1	19	Immature	N/A	Sale closed April 2006.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	2	
White Oak	5	Sapling	2	
Bigtooth Aspen	20	Sapling	2	
Black/Red (Hybrid) Oak	50	Sapling	2	19
Red Pine	2	Sapling	3	
Jack Pine	3	Sapling	2	
Black Cherry	5	Sapling	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
104	42210 - Natural Red Pine	Sawtimber Well	10.7	90	51-80	N/A	Natural 2-3 aged red pine stand. Stand was thinned December 2014. Left supercanopy red pine and spec cut jack pine and oak marking a few to leave for wildlife.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	5	Pole/Log	7	
Red Pine	75	Log/Pole/XLog	10	90
Jack Pine	20	Log/Pole	10	90

Sub-Canopy Species	Density	Avg. Height	Size
Pin Oak (Southern)	Low	10 - 20 feet	10 - 20 feet
Red Pine	Low	>20 feet	>20 feet
White Oak	Low	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
105	42220 - Natural Jack Pine	Poletimber Well	11.6	43	111-140	N/A	Natural fire origin jack pine stand with scattered seed trees still present. Scattered red pine mixed in mostly along south end.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	10	Log/Pole	10	
Jack Pine	80	Pole	7	43
Pin Cherry	10	Sapling/Pole	3	

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
106	4310 - Pine, Oak Mix	Sapling Poor	22.5	9	Immature	N/A	Stand final harvested in spring 2016. Jack pine tops left for natural seeding and all red pine left. Natural regen has not done well and jack pine and oak has come back very minimally, with cherrybrush dominating in a lot of areas. Stand is also very open.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	30	Sapling	1	9
Red Pine	20	Log/Pole	12	
Black/Red (Hybrid) Oak	25	Sapling	1	9
Jack Pine	25	Sapling	1	9

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
107	42120 - Planted Jack Pine	Poletimber Well	53.3	48	111-140	N/A	Straight row jack pine plantation. Scattered red pine supercanopy on west side.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	2	Pole	5	
Red Pine	2	Log	10	
Jack Pine	93	Pole	6	48
Pin Cherry	3	Sapling/Pole	3	

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
108	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	352.0	31	111-140	N/A	Old Comment: KW plantation that continues onto PVT and USFWS to the east. The private 190 ac parcel is enrolled in Conservation Easement through Headwaters Conservancy.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	7	Sapling	3	
Northern Pin Oak	10	Sapling	3	
Jack Pine	80	Pole/Sapling	5	31
Black Cherry	3	Sapling	3	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
109	4130 - Aspen	Poletimber Medium	1.4	70	51-80	N/A	Small 1-2 ac aspen clone that is falling apart.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	95	Pole/Log/Sap	8	70
Jack Pine	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable
Black Cherry	Medium	Variable	Variable
Jack Pine	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
110	3102 - Grass	None	6.0			No	Scattered jack pine. Found several old wooden fence posts.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
111	4130 - Aspen	Poletimber Well	24.2	42	81-110	N/A	Poor site quality with variable aspen size and density.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Pole	5	
Quaking Aspen	73	Pole/Sap/Log	6	42
White Pine	5	Log/Pole	10	
Red Pine	5	Log/Pole	10	
Black Cherry	15	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable
Jack Pine	Low	Variable	Variable
Black Cherry	Medium	Variable	Variable
Red Pine	Low	Variable	Variable
Hawthorn (spp.)	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
112	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	6.8	42	81-110	N/A	Oak and pine stand with variable density and species composition. Some areas are heavy to oak and others are heavy to jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	2	Pole	6	
Black/Red (Hybrid) Oak	50	Pole/Sap/Log	5	42
White Pine	2	Log/Pole	10	
Red Pine	3	Log/Pole	10	
Jack Pine	30	Pole/Sapling	6	
Black Cherry	8	Sapling	4	
White Oak	5	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable
Black Cherry	Low	Variable	Variable
Black/Red (Hybrid) Oak	Low	Variable	Variable
Red Pine	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
113	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	178.8	22	Immature	N/A	Stand is around 75% canopy closure. There are multiple large open areas where plantation didn't take and very little natural regen occurred.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	10	Sapling	1	
Northern Pin Oak	20	Sapling	1	
Jack Pine	70	Sapling	2	22

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
116	4199 - Other Mixed Upland Deciduous	Sapling Well	29.7	22	Immature	N/A	
117	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	33.3	59	81-110	N/A	Fire generated oak stand. Some older age classes of oak and pine. Most oak is pole sized.
120	42250 - Pine, Oak	Poletimber Well	28.2	57	111-140	N/A	Nice pine oak stand. Still a lot of small poles and some saplings. Hold at least one more entry before thinning to allow stand to put on growth.
121	42200 - Natural White Pine	Sawtimber Well	8.6	122	111-140	N/A	The west and south half were thinned in the winter 2017 to better match the remaining block of this stand that had been treated previous. Lumped the two small stands together. The sale was 71-021-12-01.
122	42120 - Planted Jack Pine	Sapling Well	326.3	28	Immature	N/A	Trace of red pine saplings and several pockets of natural jack pine regeneration too.

116

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	1	22
Bigtooth Aspen	35	Sapling	2	22
Northern Pin Oak	35	Sapling	2	22
Pin Cherry	10	Sapling	1	22

117

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	20	Pole	8	59
Bigtooth Aspen	20	Pole	7	59
Northern Pin Oak	35	Pole	7	59
Red Pine	10	Pole	9	59
Jack Pine	15	Pole	6	59

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	Variable	Variable

120

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	2	Pole	5	
Northern Pin Oak	30	Pole/Sap/Log	7	
White Pine	38	Pole/Log	9	57
Red Pine	10	Pole	8	
Jack Pine	20	Pole/Sap/Log	7	

Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	High	< 5 feet	< 5 feet
White Pine	Medium	Variable	Variable

121

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Log/Pole	10	
Northern Pin Oak	3	Log/Pole	10	
White Pine	85	XLog/Log/Pole	18	122
Red Pine	10	Log/XLog/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Variable
Red Maple	High	10 - 20 feet	10 - 20 feet

122

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	10	Sapling	2	
Jack Pine	85	Sapling/Pole	3	28
Pin Cherry	5	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	Low	< 5 feet	< 5 feet

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
123	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	13.3	31	1-50	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	2	Log/XLog	16	
Quaking Aspen	35	Pole/Sapling	5	31
Northern Pin Oak	24	Sapling	3	
White Pine	2	Sapling	3	
Red Pine	2	Sapling	3	
Jack Pine	35	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	Variable	Variable
Northern Pin Oak	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
124	4125 - Black, N. Pin Oak	Sapling Well	21.5	31	51-80	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Pole/Sapling	5	
Northern Pin Oak	60	Pole/Sapling	6	31
Jack Pine	10	Sapling	3	
Pin Cherry	5	Sapling	2	
Red Maple	10	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	High	< 5 feet	< 5 feet
White Pine	Low	Variable	Variable
Red Pine	Trace	Variable	Variable
Pin Cherry	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
125	4125 - Black, N. Pin Oak	Sawtimber Medium	9.4	110	51-80	N/A	Removed the high risk oak from stand in the winter 2017 under sale #71-021-12-01

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	90	Log	14	110
White Pine	10	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable
Red Maple	Low	< 5 feet	< 5 feet
Red Pine	Low	Variable	Variable
Black Cherry	High	5 - 10 feet	5 - 10 feet
Hawthorn (spp.)	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
127	42120 - Planted Jack Pine	Sapling Well	88.5	30	1-50	N/A	the northwest part of this stand (Stand 75 in 71075) burned in the 1998 Mech Fire and was replanted a few years later, the northwest part is 20 years old, not 25 years old (approximately 26 acres). Stand 75 and 127 should be merged and Stand 127 kept which will changed the boundaries of these 2 compartments.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	3	Sapling	2	
Jack Pine	95	Sapling	4	30
Pin Cherry	2	Sapling	1	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
128	42120 - Planted Jack Pine	Poletimber Well	441.6	38	81-110	N/A	KW plantation mixed with natural jp in some spots.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	5	Sapling/Pole	3	
Red Pine	2	Pole/Log	8	
Jack Pine	90	Pole/Sapling	5	38
Pin Cherry	3	Sapling/Pole	3	

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
129	42120 - Planted Jack Pine	Sapling Well	6.1	29	Immature	N/A	Planted with very deep furrows. No weave. Sign posted saying site of historic Quakenbush homestead. Could not find any evidence of a foundation.
130	42210 - Natural Red Pine	Poletimber Medium	5.3	66	111-140	N/A	Various ages. Very poor quality stand. Could be thinned but it wouldn't do much for stem quality.
131	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Poor	253.6	22	Immature	N/A	KW plantation. Heavier oak in the NE part of stand. Stand is still pretty open and the jack pine are short and bushy.
132	42220 - Natural Jack Pine	Poletimber Well	25.5	51	81-110	N/A	2 aged jack pine stand. Some older jack pine with younger wolfy understory.
133	42110 - Planted Red Pine	Sawtimber Well	49.3	98	141-170	N/A	Jack pine removed in 1984. Highly variable BA, average is around 150 to 160 but some areas are 200+.
134	42110 - Planted Red Pine	Sawtimber Well	30.7	99	111-140	N/A	Was thinned in the winter 2017 under sale #71-021-12-01. Average BA is around 130 to 140.
135	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Poor	32.9	41	1-50	N/A	Variable stand that is very open for the most part.

129

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	100	Sapling	3	29

130

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	2	Pole/Sapling	5	
Red Pine	60	Pole/Log	9	66
Jack Pine	38	Pole/Sap/Log	5	

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Low	Variable	Variable
Northern Pin Oak	Low	Variable	Variable

131

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	15	Sapling	1	
Jack Pine	70	Sapling	3	22
Pin Cherry	15	Sapling	1	

132

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	100	Pole	6	51

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Low	Variable	Variable

133

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log	14	98

Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	Medium	5 - 10 feet	5 - 10 feet
Jack Pine	High	>20 feet	>20 feet
Red Pine	Low	Variable	Variable
White Oak	Low	< 5 feet	< 5 feet

134

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log	10	99

135

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	20	Sapling/Pole	4	
Jack Pine	70	Pole	6	41
Pin Cherry	10	Sapling	4	

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
136	42220 - Natural Jack Pine	Poletimber Well	55.9	41	51-80	N/A	Some seed trees still present from origin.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	5	Sapling	4	
Jack Pine	95	Pole	5	41

137	42220 - Natural Jack Pine	Sawtimber Well	12.0	81	111-140	N/A	Solid jack pine understory to the east. Mostly oak understory on the west side.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	5	Log	12	
Red Pine	2	Log	10	
Jack Pine	93	Log/Pole	10	81

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Medium	>20 feet	>20 feet
Red Pine	Low	Variable	Variable
Northern Pin Oak	Medium	>20 feet	>20 feet

138	4310 - Pine, Oak Mix	Sawtimber Medium	34.1	102	51-80	N/A	A decent amount of mortality in the jack pine and oak due to age.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	45	Log	12	102
Red Pine	10	Log/Pole	10	82
Jack Pine	45	Pole/Log	8	82

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	Variable	Variable
White Pine	Low	Variable	Variable
Pin Cherry	Low	< 5 feet	< 5 feet
Jack Pine	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	High	< 5 feet	< 5 feet

139	42220 - Natural Jack Pine	Poletimber Well	150.3	57	111-140	N/A	Natural fire origin stand. Some relic jp scattered along gas line along west edge.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	10	Log	10	
Jack Pine	90	Pole/Sap/Log	7	57

Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	Low	< 5 feet	< 5 feet

140	42250 - Pine, Oak	Poletimber Well	121.3	57	81-110	N/A	Stand appears to be fire origin. Has a couple of pockets that were trenched and planted to red pine on the northeast side, but overall it is natural regen. Heavy to oak and jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	2	Pole	6	57
Northern Pin Oak	35	Pole	6	57
Red Pine	15	Log	10	
Jack Pine	48	Pole/Sap/Log	7	57

Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	Medium	< 5 feet	< 5 feet
White Pine	Low	Variable	Variable
White Oak	Low	< 5 feet	< 5 feet

141	3102 - Grass	None	9.0			No	Pipeline ROW

142	42210 - Natural Red Pine	Sawtimber Well	40.7	82	81-110	N/A	Average BA is around 100, looks like stand thinned in the last entry or two. Decent understory of oak.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	10	Log	12	
Red Pine	90	Log	10	82

Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	Medium	Variable	Variable

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
143	4310 - Pine, Oak Mix	Sapling Medium	84.0	9	1-50	N/A	Seed tree harvested with an average basal area of 30 with that being comprised of a combination there of oak and jack pine. All red pine left uncut. Sale was cut winter 2016 under sale #71-021-12-01.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	5	Sapling	1	9
Black/Red (Hybrid) Oak	45	Sapling	1	9
Jack Pine	26	Sapling	1	9
Black/Red (Hybrid) Oak	8	Log/Pole	10	102
Jack Pine	8	Log/Pole	10	58
Red Pine	8	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Medium	>20 feet	>20 feet
Red Pine	Low	>20 feet	>20 feet
Black/Red (Hybrid) Oak	Medium	>20 feet	>20 feet
Jack Pine	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
144	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Well	7.8	37	1-50	N/A	Natural jack pine and aspen stand regenerated from Perry Holt Fire(1988). Stand is very stunted and still primarily sapling sized.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	30	Sapling/Pole	4	37
Northern Pin Oak	5	Sapling	1	37
Jack Pine	60	Sapling/Pole	4	37
Pin Cherry	5	Sapling	1	37

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900