



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71068

Entry Year 2023

Acreage: 2,542

County Ogemaw

Management Area: Kirtland's Warbler

Stand Examiner: Doug Bates

Legal Description:

COMPARTMENT 68 - Sections 29-33, T23N-R1E, Ogemaw County and sections 24-26, T23N-R1W, Roscommon County

Identified Planning Goals:

Continue to provide habitat for the Kirtland Warbler in the portions of the Compartment that meets the optimal requirements for the habitat per the Kirtland Warbler Management Plan. The remaining areas are to be managed to promote healthy forest cover types and restart those where needed. Provide for the public to freely recreate from hunting to ORVing yet ensure sensitive areas are protected from intrusive activities.

Soil and topography:

Flat to rolling terrain within Roscommon County. Ogemaw County is mostly flat also, with rolling terrain and some steep ridges in the southern portions. There are a couple of lower swampy ground areas in the Compartment as well. They are just in Ogemaw County within the central portion of the Compartment. Soils are Grayling and Graycalm Sands in the uplands and Roscommon mucky sand in the swamp.

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

The west side of the Compartment bounds the Village of St. Helen. This portion of the Compartment was treated in 2014. Most of the Compartment adjoins other state land holdings. Most of the other private lands adjoining are undeveloped.

Unique Natural Features:

Hills Thistle found in the 1950's, Fragile Prickly Pear in 1967, and Rough Fescue.

Archeological, Historical, and Cultural Features:

The former Village of Beaver Lake is within the Compartment as well as the Beaver Lake Cemetery.

Special Management Designations or Considerations:

Kirtland Warbler Management Area.

Watershed and Fisheries Considerations:

Beaver Lake lies within the Compartment. There are no permanent flowing water courses within the Compartment, this lake is fed by a lowland bog during periods of high water levels thus fluctuates with the seasons/weather patterns. Beaver Lake is currently mostly dried up leaving an exposed sand bottom. The other wet areas are in low depressions with some small spring activity but no flowing water courses.

Wildlife Habitat Considerations:

Compartment located east of St. Helen along the St. Helen trail. Management in this compartment is directed by the Kirtland's Warbler Management Plan. No managed wildlife openings are located in this compartment.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial metallic mineral production in this part of the state. The nearest active sand/gravel pit is more than five miles away, but there appears to be some good potential for sand & gravel within the compartment. The nearest oil & gas production, past or present, is approximately two miles southeast. There are active oil & gas leases within the compartment and potential for exploration and development in the next five years.

Vehicle Access:

Access to this Compartment is open by via several County Roads. Numerous trails traverse the compartment off of these roads. Other than St. Helen Trail, all roads, County and forest, are in very rough shape and sandy which may restrict some activities to frozen months.

Survey Needs:

None

Recreational Facilities and Opportunities:

Motorized recreation dominate the compartment on the snowmobile, ORV routes & trails and St. Helen ORV Scramble Area year round. The St. Helen Motorsport Area occurs in section 25 in Roscommon County where ORV scramble use is permitted. The Midland to Mackinaw Boy Scout Hiking trail occurs along Meridian Road and Section 31. There is a local community operated campground in Section 23 off Airport Rd. The east half of the compartment in Ogemaw county has limited road access compared to the more accessible and closer to multiple property owners in Roscommon County. Two trailhead exist one for snowmobile the other ORV.

Fire Protection:

There are large areas of this compartment which are higher hazard pine fuel types and much of this compartment has a wildland-urban interface factor.

Additional Compartment Information:

The following reports from the Inventory are attached:

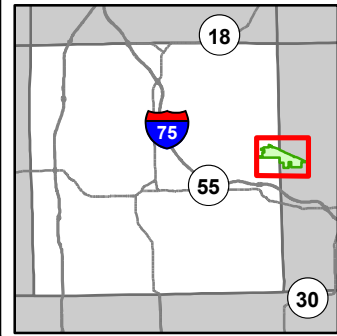
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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**

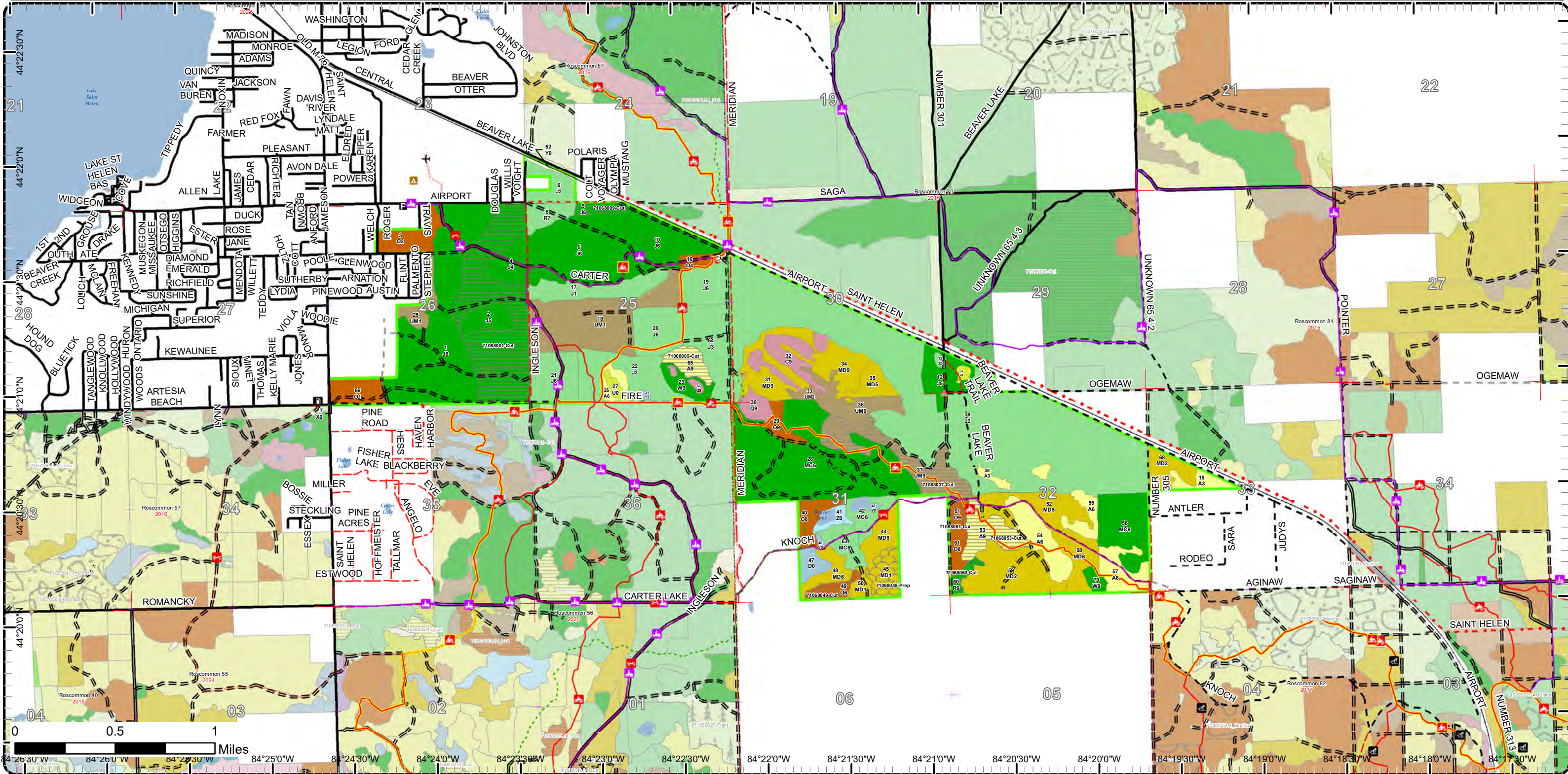
Cover Type & Treatments Map

Compartment: 68
 T24N, R02E, Sec. 01-03, 08-10
 12
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Kirtland's Warbler
 YOE: 2023
 Acres: 2542.4 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 4/11/2022
 Map Phase: Post-Review



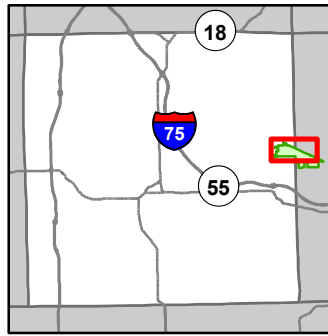
- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- Ski Trails
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated ATV
- - - Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Gas Station
- Airport
- Berms

- Campground
- Parking Lot
- Sign
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- Site Prep
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil

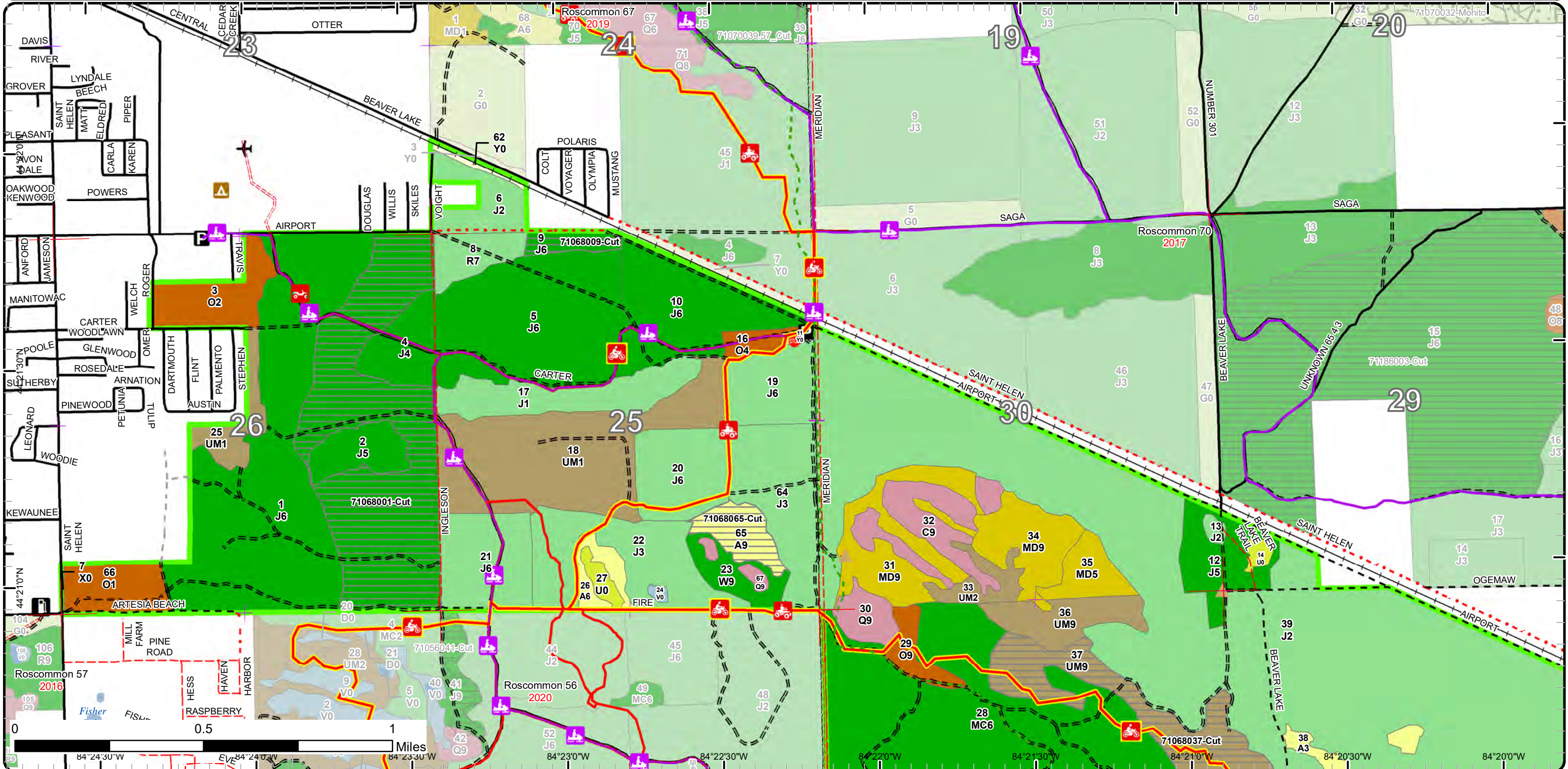


Cover Type & Treatments Map

Compartment: 68
 T24N, R02E, Sec. 01-03, 08-10
 12
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Kirtland's Warbler
 YOE: 2023
 Acres: 2542.4 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 4/11/2022
 Map Phase: Post-Review

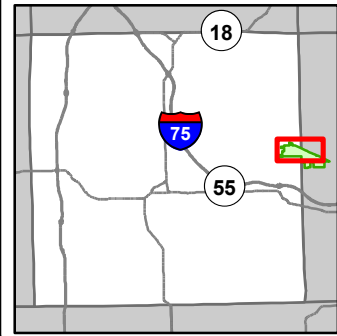


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Gas Station
- Airport
- Berms
- Campground
- Parking Lot
- Sign
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 710 - Sand/Soil

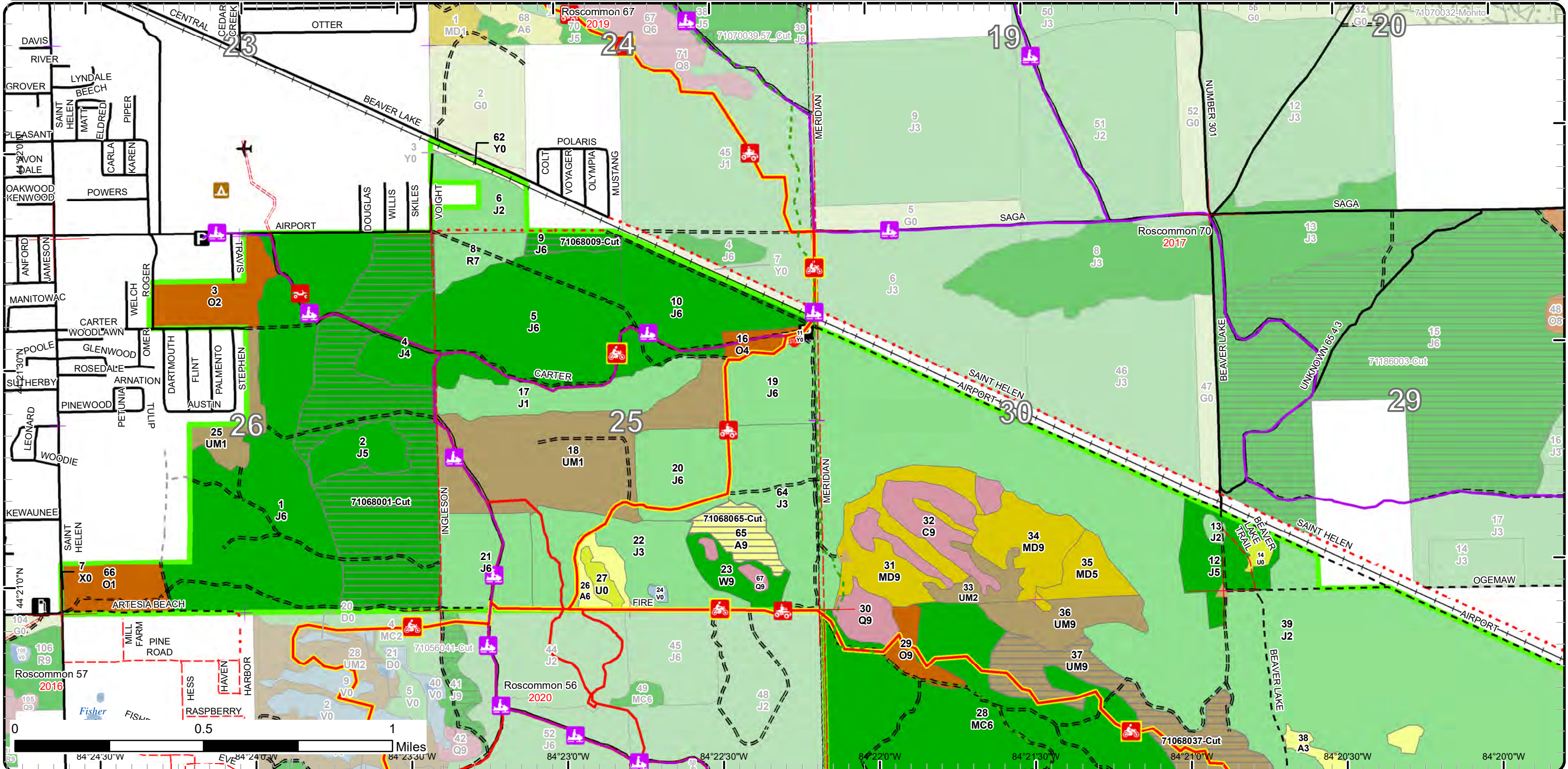


Stand Boundary Map

Compartment: 68
 T24N, R02E, Sec. 01-03, 08-10
 12
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Kirtland's Warbler
 YOE: 2023
 Acres: 2542.4 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 4/11/2022
 Map Phase: Post-Review

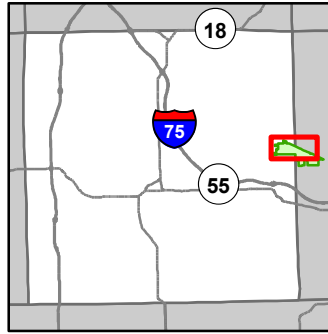


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Gas Station
- Airport
- Berms
- Campground
- Parking Lot
- Sign
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 710 - Sand/Soil

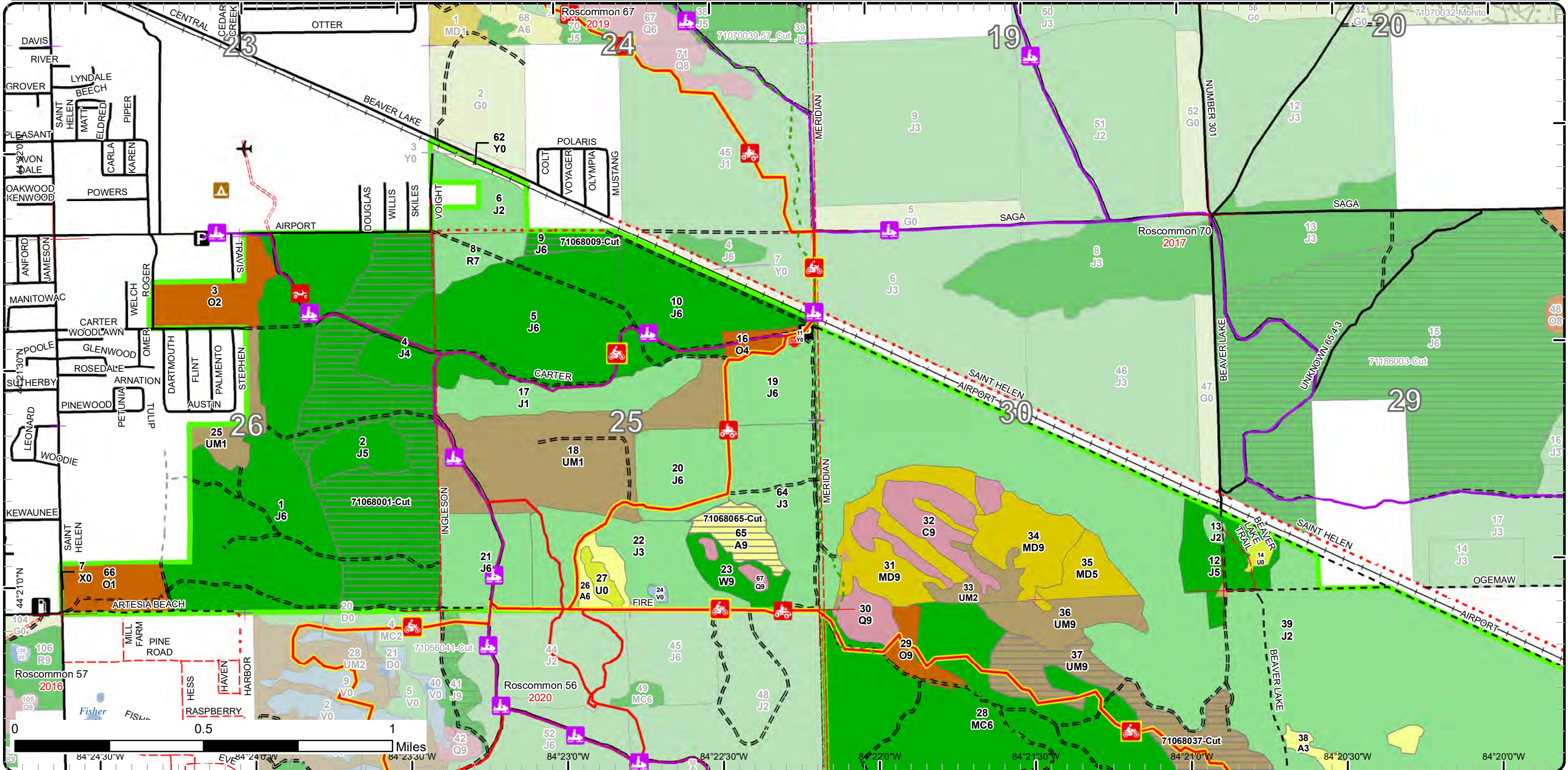


Special Conservation Areas

Compartment: 68
 T24N, R02E, Sec. 01-03, 08-10
 12
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Kirtland's Warbler
 YOE: 2023
 Acres: 2542.4 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 4/11/2022
 Map Phase: Post-Review

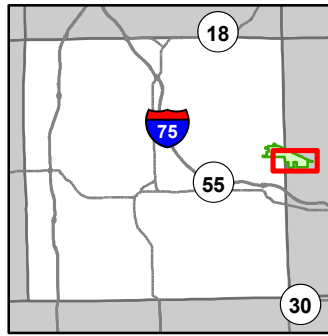


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Gas Station
- Airport
- Berms
- Campground
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 710 - Sand/Soil
- Parking Lot
- Sign
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot

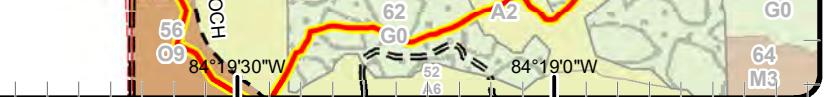
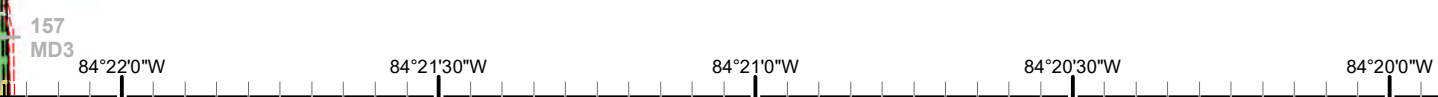
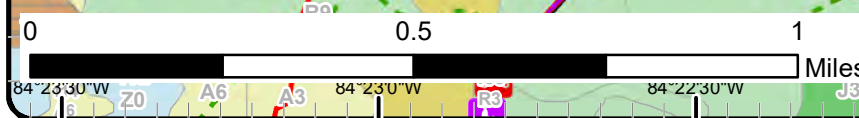
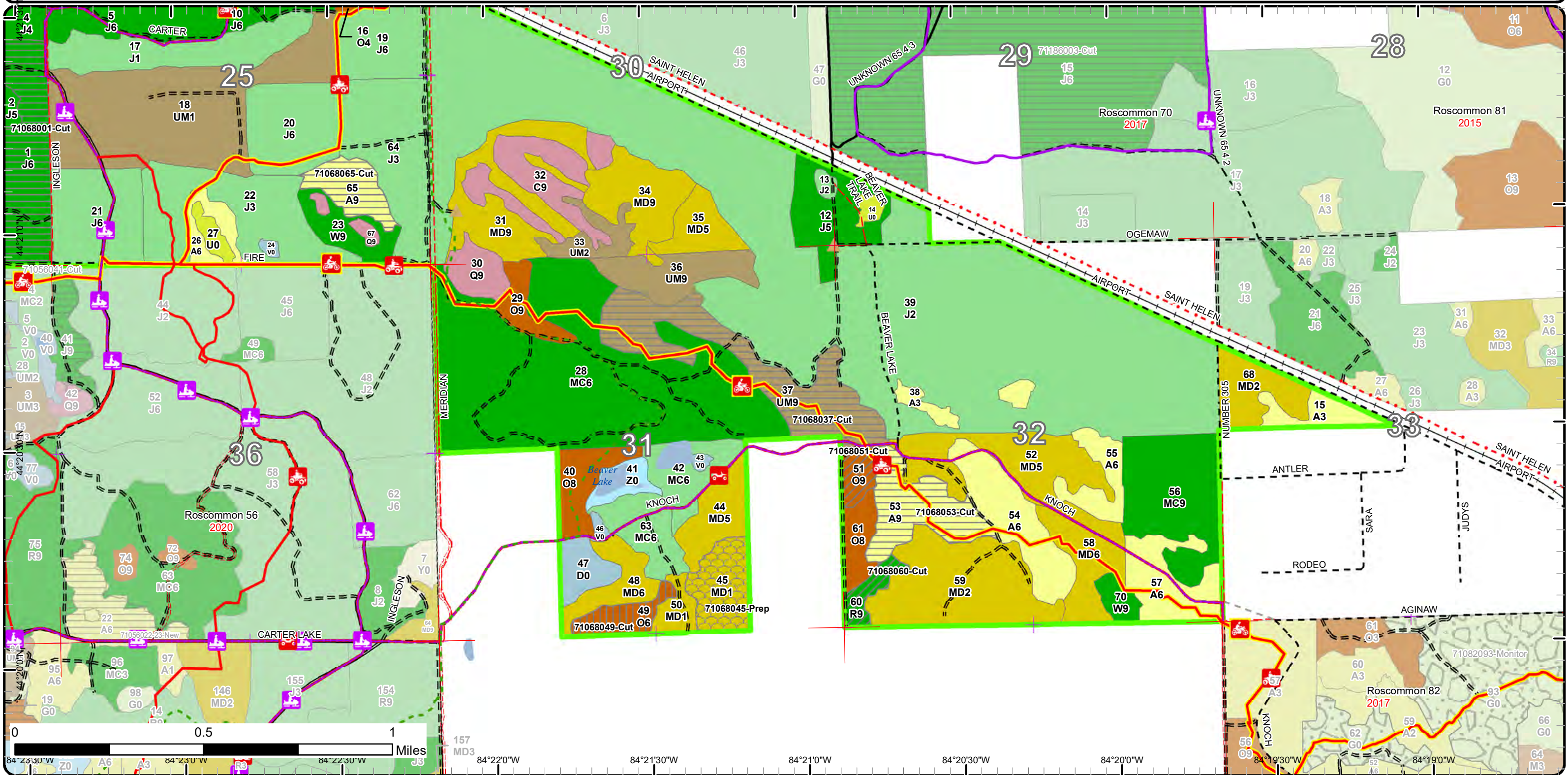


Cover Type & Treatments Map

Compartment: 68
 T24N, R02E, Sec. 01-03, 08-10
 12
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Kirtland's Warbler
 YOE: 2023
 Acres: 2542.4 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 4/11/2022
 Map Phase: Post-Review

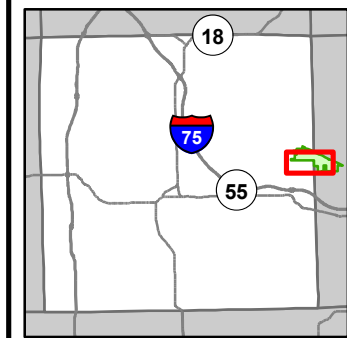


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Berms
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- Site Prep
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub

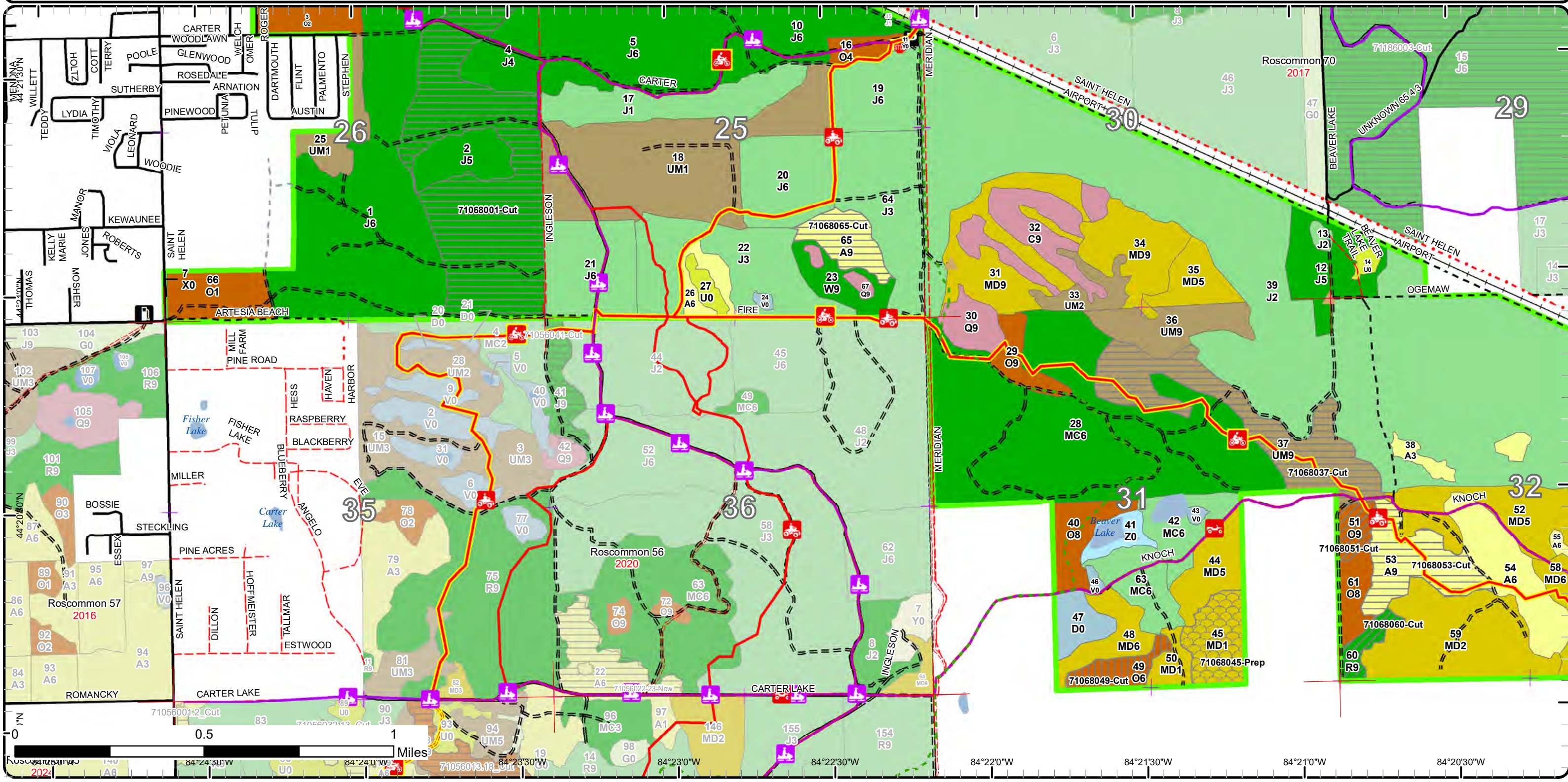


Cover Type & Treatments Map

Compartment: 68
 T24N, R02E, Sec. 01-03, 08-10
 12
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Kirtland's Warbler
 YOE: 2023
 Acres: 2542.4 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 4/11/2022
 Map Phase: Post-Review

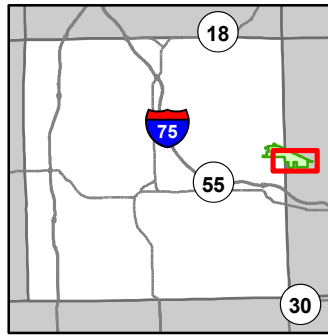


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Gas Station
- Berms
- Parking Lot
- Sign
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- Site Prep
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil

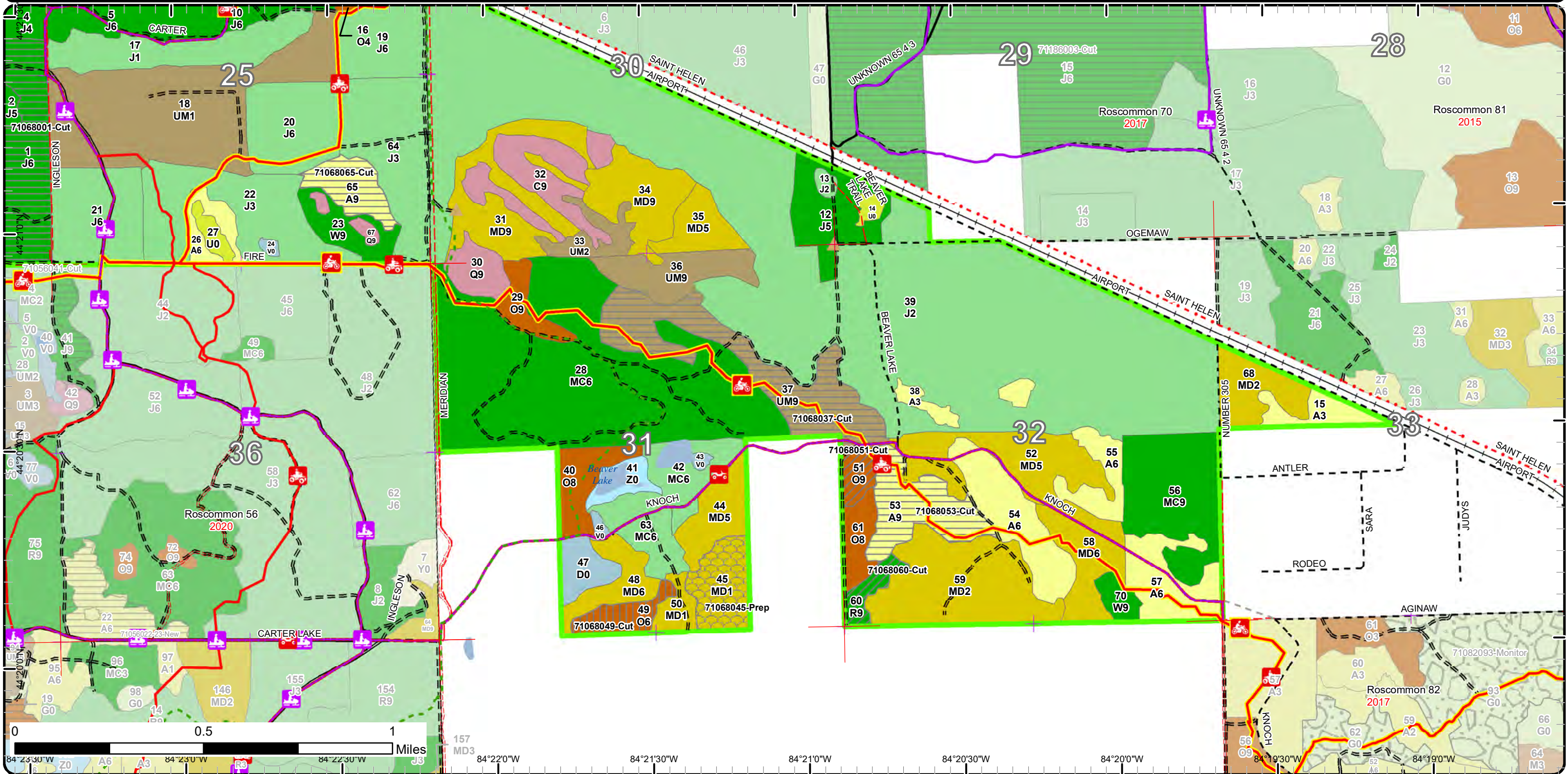


Stand Boundary Map

Compartment: 68
 T24N, R02E, Sec. 01-03, 08-10
 12
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Kirtland's Warbler
 YOE: 2023
 Acres: 2542.4 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 4/11/2022
 Map Phase: Post-Review

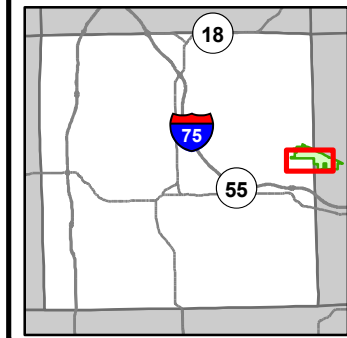


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Shelter Wood (w/Reserves)
- Site Prep
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Berms
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)

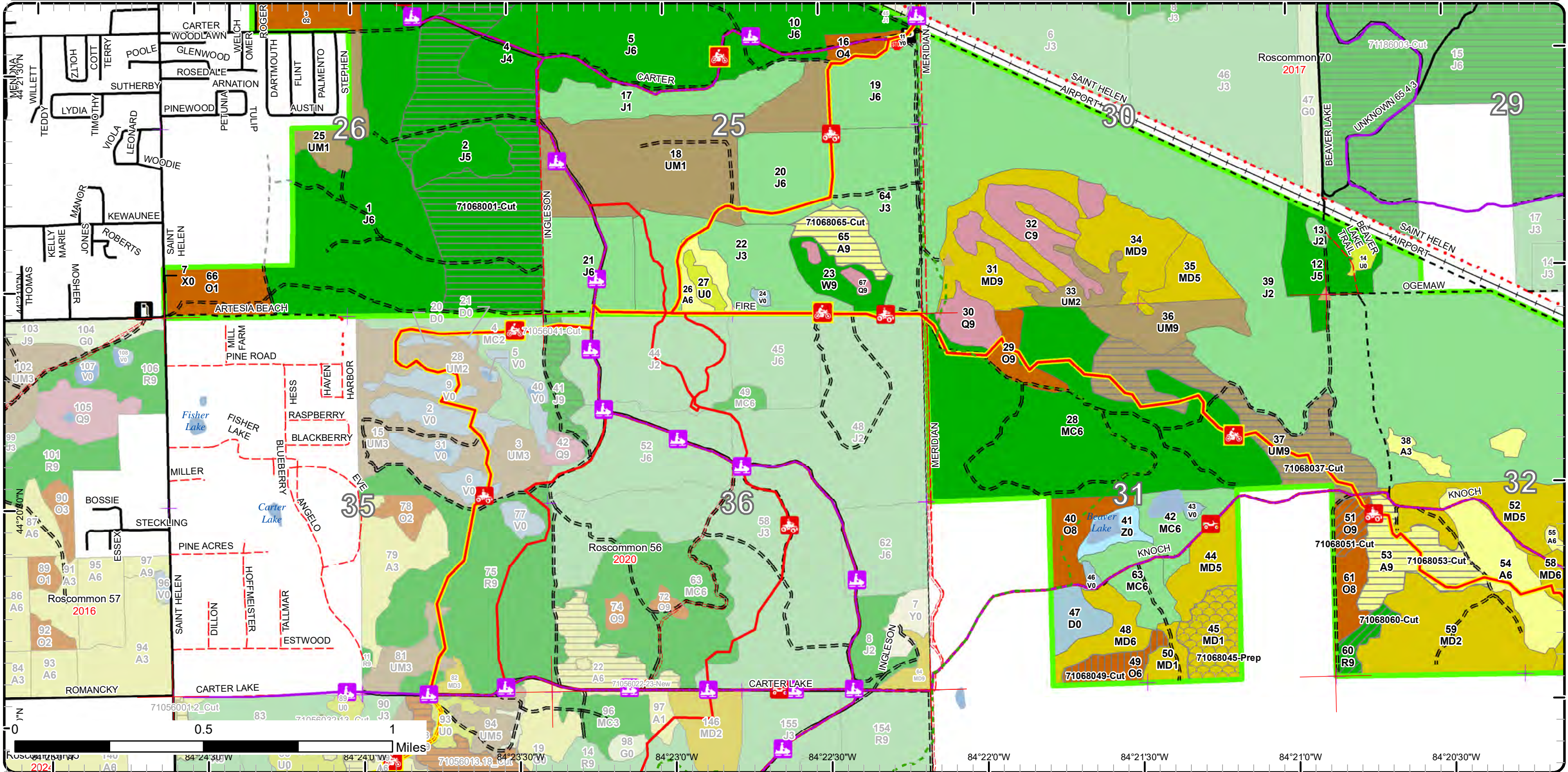


Stand Boundary Map

Compartment: 68
 T24N, R02E, Sec. 01-03, 08-10
 12
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Kirtland's Warbler
 YOE: 2023
 Acres: 2542.4 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 4/11/2022
 Map Phase: Post-Review

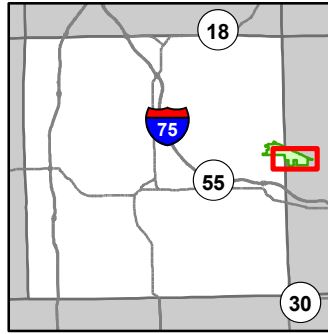


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Gas Station
- Berms
- Parking Lot
- Sign
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- Site Prep
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil

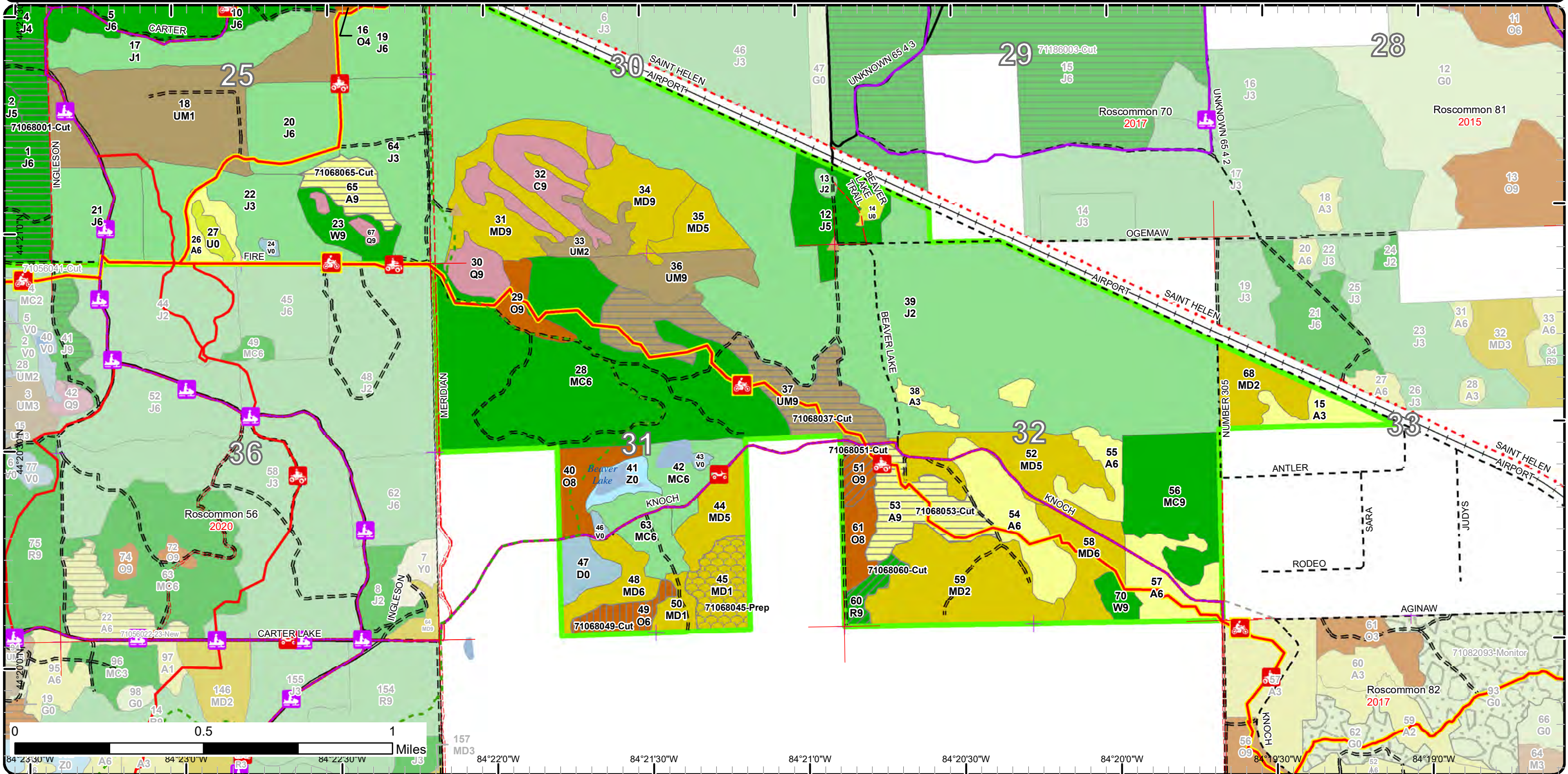


Special Conservation Areas

Compartment: 68
 T24N, R02E, Sec. 01-03, 08-10
 12
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Kirtland's Warbler
 YOE: 2023
 Acres: 2542.4 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 4/11/2022
 Map Phase: Post-Review

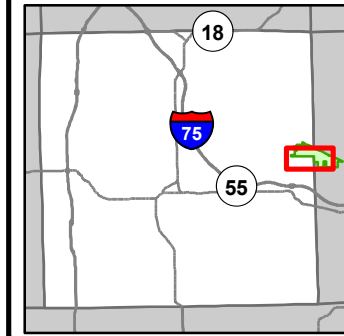


- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Shelter Wood (w/Reserves)
- Site Prep
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Berms
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)

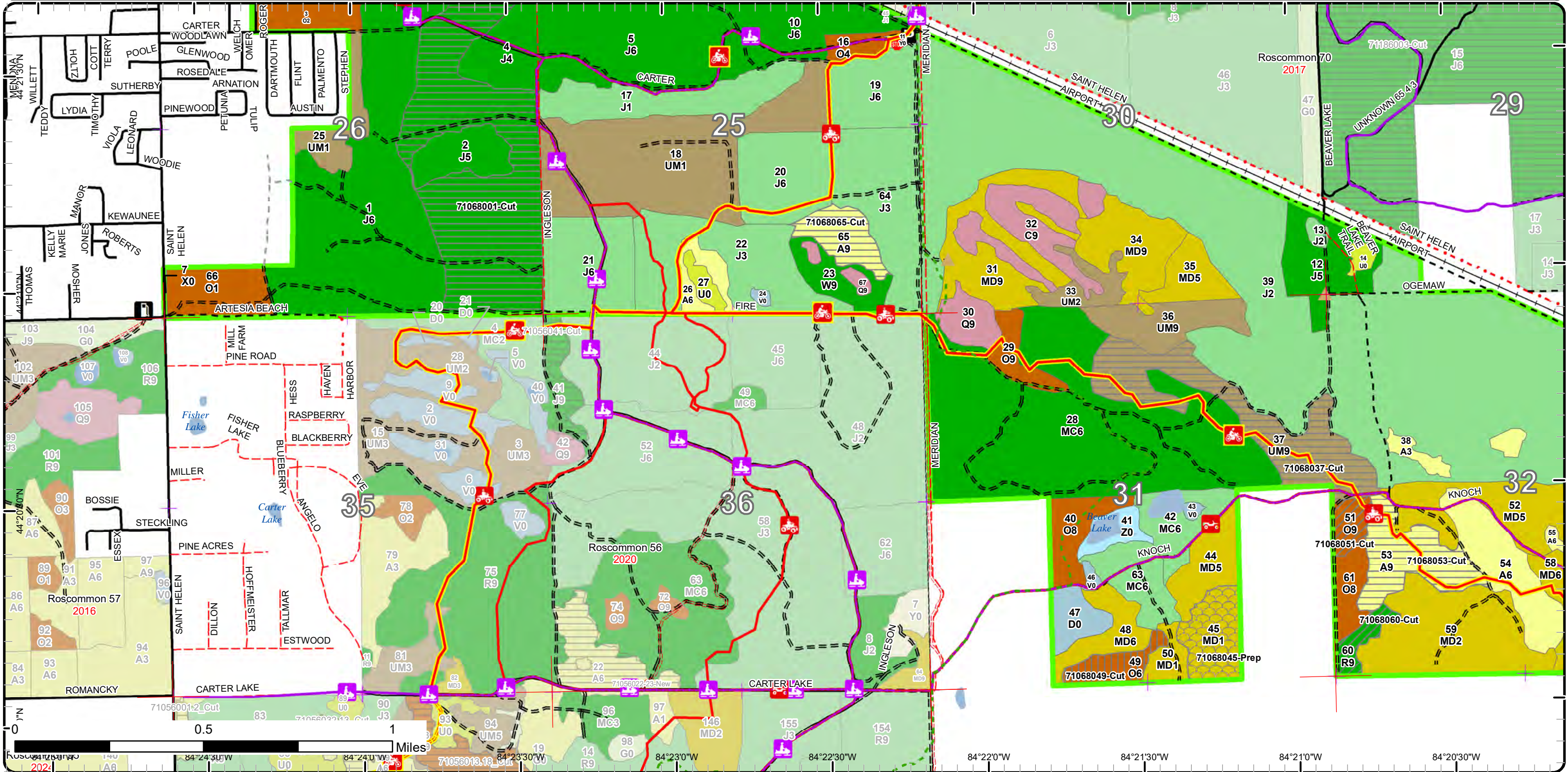


Special Conservation Areas

Compartment: 68
 T24N, R02E, Sec. 01-03, 08-10
 12
 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: Kirtland's Warbler
 YOE: 2023
 Acres: 2542.4 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 4/11/2022
 Map Phase: Post-Review



- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Gas Station
- Berms
- Parking Lot
- Sign
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- Site Prep
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	20	15	27	43	31	16	0	0	0	0	0	0	0	0	0	0	151
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0	34
Jack Pine	0	60	501	109	221	70	369	0	0	0	0	0	0	0	0	0	0	0	1330
Low-Density Trees	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	3	12	0	0	0	0	0	15
Mixed Upland Deciduous	0	0	82	98	20	32	0	0	0	0	0	0	42	0	0	0	0	31	304
Natural Mixed Pines	0	0	0	0	0	192	0	0	0	0	0	0	0	0	0	0	0	52	244
Oak	0	52	0	0	7	0	0	0	0	12	0	36	0	0	0	0	0	12	118
Planted Mixed Pines	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Red Pine	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	8	24
Sand, Soil	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Treed Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Upland Mixed Forest	0	16	106	12	0	0	60	0	0	24	0	0	0	0	0	0	0	0	218
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
White Pine	0	0	0	0	0	0	0	0	15	6	0	0	0	0	0	0	0	0	21
Total	39	128	709	276	275	337	460	16	15	59	0	39	54	34	0	0	0	103	2540



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2023

Acres of Harvest

Compartment 68
Total Compartment Acres: 2,542

Commercial Harvest - 287
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	47	0	0	0	0	0	0	0	0	47
Jack Pine	153	0	0	0	0	0	0	0	0	153
Oak	0	0	0	0	12	8	0	0	0	20
Red Pine	0	0	0	0	0	8	0	0	0	8
Upland Mixed Forest	60	0	0	0	0	0	0	0	0	60
Total	259	0	0	0	12	16	0	0	0	287

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	287	22	0	0	0	0	0	0	0	308
Next Step	0	22	22	0	0	22	314	0	0	379
Total	287	43	22	0	0	22	314	0	0	687



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

Approved Treatments:

1	71068001-Cut	144.0	42220 - Natural Jack Pine	Poletimber Well	59	51-80	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest eastern half of Stand 1. With Stands 2 and 4 being left along with the other portion of the parent stand, place retention at 3%.</p> <p><u>Specs:</u> If site is not chipped, make sure producer runs the tree all the way through the processor head to enable limbs to be scattered more uniformly across the sale area for natural regeneration.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> jack pine, mixed deciduous</p> <p><u>Regen:</u></p> <p><u>Other</u> Protect the ORV/Snowmobile trail(s) where they are designated to be.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
9	71068009-Cut	8.8	42220 - Natural Jack Pine	Poletimber Well	59	81-110	Harvest	Clearcut	42220 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to two inches except red pine. Harvest all red pine that are 14 inches or less in diameter. Leave for visual. No</p> <p><u>Specs:</u> retention due to size and narrow shape.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> jack pine, mixed deciduous.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
37	71068037-Cut	59.5	4310 - Pine, Oak Mix	Sawtimber Well	58	51-80	Harvest	Clearcut with Retention	42250 - Pine, Oak	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to a two inch d.b.h.. Leave all white oak for mast and white pine over 20 d.b.h.. Do not chip the site and spread the</p> <p><u>Specs:</u> slash evenly over the sale area to prevent the orv's from going off the designated ORV trail and creating illegal trails. Slash in all illegal trails that are not open in the PA 288. This stand is out of the scramble area.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed oak with jack pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Protect the ORV trail where it is designated to be.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											



S
t
a
n
d

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

45	71068045-Prep	21.5	4199 - Other Mixed Upland Deciduous	Sapling Poor	23	Immature	SitePrep	Roller Chopping	4211 - Planted Red Pine	Even-Aged	No
-----------	----------------------	------	-------------------------------------	--------------	----	----------	----------	-----------------	-------------------------	-----------	----

Prescription roller chop site and plant back to red pine. Go around the couple small aspen clones within stand.

Specs:

Next Step SitePrep, Trenching; Pesticide, Skidder - Site Prep; Monitoring, Artificial Regen(1yr); Planting, Initial Plant; Monitoring, Artificial Treatments: Regen(3yr)

Acceptable Planted red pine 80 free to grow from other vegetative competition

Regen:

Other Majority of stand is small non-merchantable pin cherry resulting from a wildfire.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

49	71068049-Cut	11.7	4122 - Oak, Pine	Poletimber Well	84	81-110	Harvest	Shelterwood	42201 - Natural White Pine, Mixed Deciduous	Even-Aged	No
-----------	---------------------	------	------------------	-----------------	----	--------	---------	-------------	---	-----------	----

Prescription Final harvest all red oak species. Remove low quality white oak and white pine to allow for equipment operability. Want to keep the incoming white pine cover type by keeping some shading from the larger white pines and white oaks. Looking at a 50-70 basal area residual.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable White pine mixed with oak to moderate stocking.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

51	71068051-Cut	8.2	4126 - White, Black, N. Pin Oak	Sawtimber Well	106	111-140	Harvest	Crown Thinning	4122 - Oak, Pine	Uneven-Aged	No
-----------	---------------------	-----	---------------------------------	----------------	-----	---------	---------	----------------	------------------	-------------	----

Prescription Thin the overstory down to an average 70-90 basal area. Start by removing a majority of the declining pin/black oaks. Leave any large wolfy pin oak for mast. Remove the lower quality, small crowned white oaks and try to leave those that will provide good acorn production. Favor on the side of removing the larger saw classed white pines to reach a basal area that will help the smaller white pines in producing diameter growth. Cut down any of the white pines whether merchantable or not that are still alive that have been knocked out of vertical by the snowstorm. Place in ORV Trail protection specs.

Specs:

Next Step

Treatments:

Acceptable White pine with mixed oak to moderate stocking.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

S
t
a
n
d

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
53 71068053-Cut	30.8	4133 - Aspen, Mixed Pine	Sawtimber Well	52	111- 140	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to two inches in diameter. Protect wet areas that are found in the south central portion of the stand where the adjacent harvest protrudes into this stand. Use this as retention. Can go up to the ten percent range. To protect the margins of the wet area, harvest only during frozen conditions.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> aspen and mixed pine to moderate stocking.</p> <p><u>Regen:</u></p> <p><u>Other</u> Protect the ORV trail where it is designated to be.</p> <p><u>Comment:</u> The wet ground is holding water and can still see the old skidder ruts from prior harvest. Has mostly red maple as cover type with some pine and aspen.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
60 71068060-Cut	7.6	42210 - Natural Red Pine	Sawtimber Well	90	81-110	Harvest	Crown Thinning	42211 - Natural Red Pine, Mixed Deciduous	Uneven- Aged	No
<p><u>Prescription</u> Thin the stand by removing the high risk of mortality pin oaks that are left. Leave those that are wolfy and providing good mast. Then focus on the larger diameter red pine and white pine to open up the canopy to the smaller diameter pines to increase their diameter growth. Want residual basal area to be averaging 70-90.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine with mixed deciduous</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
65 71068065-Cut	16.2	4133 - Aspen, Mixed Pine	Sawtimber Well	66	81-110	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest all species to two inches. Do not chip tops/slash but evenly scatter over sale area to protect incoming regeneration from ORV traffic. Place retention around any small wet depression present to account for 3%. Access will be from the forest road to the north. Roads are sandy to the stand and with the potential to cause rutting on the soils in wetter months, harvest during frozen conditions.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> aspen, maple, white pine to moderate stocking.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Total Treatment 308.3
Acres Proposed:

Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Bates : Examiner

Compartment: 68

Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions								
		With Condition	Not Available		5B	5C	2F	2G	3A	3D	5E		
152	152	0	0	Aspen									
4	4	0	0	Bog			0						
34	0	0	34	Cedar				34					
1331	1134	168	29	Jack Pine		168				29		0	
8	8	0	0	Low-Density Trees									
16	3	0	12	Lowland Conifers				12					
303	262	0	42	Mixed Upland Deciduous	0						42		
244	244	0	0	Natural Mixed Pines	0		0						
119	91	11	17	Oak	11		17						
41	41	0	0	Planted Mixed Pines			0						
24	8	16	0	Red Pine	16								
5	5	0	0	Sand, Soil									
12	12	0	0	Treed Bog									
218	214	0	4	Upland Mixed Forest								4	
1	1	0	0	Urban									
9	9	0	0	Water									
21	21	0	0	White Pine									
2,542	2,208	196	139	Total Forested Acres	28	168	17	46	29	42	4		
	87%	8%	5%	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)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Doug Bates : Examiner

Compartment: 68
Year of Entry: 2023

2	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3A: Conservation Values incompatible with harvest at this time	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	3A: Conservation Values incompatible with harvest at this time	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments:							
5	Unavailable	3D: Recreational / Scenic values	42	2G: Too wet (sensitive soils, does not include access issues)	2F: Too steep	Unspecified	Unspecified
Comments:							
6	Unavailable	2F: Too steep	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Bates : Examiner

Compartment: 68

Year of Entry: 2023

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	168	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5B: Maintain for regeneration purposes	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
Comments				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
1	42220 - Natural Jack Pine	Poletimber Well	312.3	59	51-80	N/A	Mature Jack pine stand with trees in all size classes from saplings up to small log. The sapling size jack pine are in the overstory though. very little regeneration per day in the understory, some Jack pine and oak. The basal area is more towards the higher end of the range. Recommend harvesting a portion of this stand. With the urban interface and size of the stand, should treat in blocks. Condition of the stand currently shows evidence it'll hold another rotation for the portions left this YOY. Entire stand crisscrossed with illegal orv trails.																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>87</td> <td>Pole</td> <td>7</td> <td>59</td> </tr> <tr> <td>Red Pine</td> <td>3</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>10</td> <td>Pole</td> <td>5</td> <td>59</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	87	Pole	7	59	Red Pine	3	Pole/Log	8		Northern Pin Oak	10	Pole	5	59	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Sweet Fern</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	< 5 feet	Tall Shrub	Sweet Fern	Low	Variable	Tall Shrub						
Canopy Species	% Cover	Size Class	DBH	Age																																						
Jack Pine	87	Pole	7	59																																						
Red Pine	3	Pole/Log	8																																							
Northern Pin Oak	10	Pole	5	59																																						
Sub-Canopy Species	Density	Avg. Height	Size																																							
Jack Pine	Low	< 5 feet	Tall Shrub																																							
Sweet Fern	Low	Variable	Tall Shrub																																							
2	42220 - Natural Jack Pine	Poletimber Medium	18.9	56	51-80	N/A	Stand that had a wildfire in it in 2001. Evidence that it killed some of the original trees and brought the canopy closure down from the surrounding parent stand. Stand has a good component of red pine in it as well. Some jack pine and oak regeneration. Leave this stand at least another rotation. Will be treating stand that surrounds it this rotation. Act for visual buffer.																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>70</td> <td>Pole/Sapling</td> <td>7</td> <td>56</td> </tr> <tr> <td>Red Pine</td> <td>30</td> <td>Log/Pole/Sap</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	70	Pole/Sapling	7	56	Red Pine	30	Log/Pole/Sap	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	Variable	Sapling	Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling											
Canopy Species	% Cover	Size Class	DBH	Age																																						
Jack Pine	70	Pole/Sapling	7	56																																						
Red Pine	30	Log/Pole/Sap	10																																							
Sub-Canopy Species	Density	Avg. Height	Size																																							
Jack Pine	Low	Variable	Sapling																																							
Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling																																							
3	4125 - Black, N. Pin Oak	Sapling Medium	28.5	8	Immature	N/A	Stand was final harvested in the winter 2014 and planted in the spring 2015 with red pine. Been re-planted twice. The parent stand was oak which resulted in the heavy natural regeneration of oak. The site was not treated with herbicide so the red pine was not able to compete with the natural oak and jack pine. The oak has come in well with a fair amount of jack pine also. Some small pockets of red pine. They are there in places but suppressed. Lower end of the canopy closure with the north end being sparser with more pin cherry. Stand with be a good mixed oak/pine.																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>28</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> <tr> <td>Pin Cherry</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>1</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>49</td> <td>Sapling</td> <td>2</td> <td>8</td> </tr> <tr> <td>White Oak</td> <td>12</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	28	Sapling	1	8	Pin Cherry	10	Sapling	1		Red Pine	1	Sapling	1		Black/Red (Hybrid) Oak	49	Sapling	2	8	White Oak	12	Sapling	1		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	< 5 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																						
Jack Pine	28	Sapling	1	8																																						
Pin Cherry	10	Sapling	1																																							
Red Pine	1	Sapling	1																																							
Black/Red (Hybrid) Oak	49	Sapling	2	8																																						
White Oak	12	Sapling	1																																							
Sub-Canopy Species	Density	Avg. Height	Size																																							
Red Pine	Low	< 5 feet	Sapling																																							
4	42220 - Natural Jack Pine	Poletimber Poor	23.0	35	1-50	N/A	Sparsely stocked jack pine stand from St Helen fire of 1987, not as dense as that on east side of section line. The merchantable diameter pine is very bushy/limby. Typical of open grown sparse pine. There are better quality saplings coming in though. On the upper end of the basal area range.																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>95</td> <td>Pole/Sapling</td> <td>6</td> <td>35</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	95	Pole/Sapling	6	35	Black/Red (Hybrid) Oak	5	Pole/Sapling	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sweet Fern</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sweet Fern	Low	Variable	Tall Shrub															
Canopy Species	% Cover	Size Class	DBH	Age																																						
Jack Pine	95	Pole/Sapling	6	35																																						
Black/Red (Hybrid) Oak	5	Pole/Sapling	5																																							
Sub-Canopy Species	Density	Avg. Height	Size																																							
Sweet Fern	Low	Variable	Tall Shrub																																							
5	42220 - Natural Jack Pine	Poletimber Well	100.8	35	1-50	N/A	Jack pine stand which regenerated from St Helen Fire of 1987. Just coming into pole sized pine but have a heavy amount of saplings. Dense stocking of jack pine with several open pockets scattered equally about the stand resulting in the canopy closure being on the lower end.																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>1</td> <td>Log</td> <td>12</td> <td>86</td> </tr> <tr> <td>Jack Pine</td> <td>95</td> <td>Pole/Sapling</td> <td>5</td> <td>35</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>4</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	1	Log	12	86	Jack Pine	95	Pole/Sapling	5	35	Black/Red (Hybrid) Oak	4	Sapling	3		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	< 5 feet	Seeding										
Canopy Species	% Cover	Size Class	DBH	Age																																						
Red Pine	1	Log	12	86																																						
Jack Pine	95	Pole/Sapling	5	35																																						
Black/Red (Hybrid) Oak	4	Sapling	3																																							
Sub-Canopy Species	Density	Avg. Height	Size																																							
Jack Pine	Low	< 5 feet	Seeding																																							
6	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	22.0	7	Immature	N/A	Stand was final harvested in Winter 2014 and trenched in 2014. Planted to jack pine in 2015. Came back well to both planted and natural jack pine with fair amounts of oak regeneration. Good mixed stand. On the lower end of the canopy closure.																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>60</td> <td>Sapling</td> <td>1</td> <td>7</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	60	Sapling	1	7																														
Canopy Species	% Cover	Size Class	DBH	Age																																						
Jack Pine	60	Sapling	1	7																																						
7	122 - Road/Parking Lot	Nonstocked	0.7		Immature	No	F-97 county road																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
8	42110 - Planted Red Pine	Sawtimber Poor	16.5	82	1-50	N/A	Mature red pine stand underburned by fire. Has some small rp in understory. Stand was harvest leaving 30 basal area of log sized red pine trees along with all red pine under 6 inches. Natural regeneration came back in real well. Have a mix of jack pine, oak, and some red pine. Scattered cherry also. Leave the dominate overstory one more rotation and by then the regeneration will be even better and can look at removing the overstory.																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>100</td> <td>Log/Pole/Sap</td> <td>12</td> <td>82</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100	Log/Pole/Sap	12	82	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Pin Cherry</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Full</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	< 5 feet	Sapling	Pin Cherry	Low	10 - 20 feet	Sapling	Black/Red (Hybrid) Oak	Full	5 - 10 feet	Sapling											
Canopy Species	% Cover	Size Class	DBH	Age																																				
Red Pine	100	Log/Pole/Sap	12	82																																				
Sub-Canopy Species	Density	Avg. Height	Size																																					
Jack Pine	Medium	< 5 feet	Sapling																																					
Pin Cherry	Low	10 - 20 feet	Sapling																																					
Black/Red (Hybrid) Oak	Full	5 - 10 feet	Sapling																																					
9	42220 - Natural Jack Pine	Poletimber Well	8.8	59	81-110	N/A	Mature block of jack pine that escaped the 1987 St. Helen fire. the jack pine is mature with a fair amount of sawlog red pine mixed throughout. Also some oak saplings coming in too. recommend cutting this stand to stagger for age classes in area.																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>1</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>25</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>74</td> <td>Pole/Sap/Log</td> <td>7</td> <td>59</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	1	Pole/Sapling	5		Red Pine	25	Log/Pole	13		Jack Pine	74	Pole/Sap/Log	7	59	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	< 5 feet	Sapling	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling					
Canopy Species	% Cover	Size Class	DBH	Age																																				
Black/Red (Hybrid) Oak	1	Pole/Sapling	5																																					
Red Pine	25	Log/Pole	13																																					
Jack Pine	74	Pole/Sap/Log	7	59																																				
Sub-Canopy Species	Density	Avg. Height	Size																																					
Jack Pine	Low	< 5 feet	Sapling																																					
Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling																																					
10	42220 - Natural Jack Pine	Poletimber Well	61.3	35	1-50	N/A	Natural jack pine stand from the 1987 St Helen Fire. Some resident overstory red pine and oak that were underburned and survived. The jack pine is dense with the average dbh just into pole size. This also resulted in the basal area range is on the higher end of the range.																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>95</td> <td>Pole/Sapling</td> <td>5</td> <td>35</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log/Pole</td> <td>13</td> <td>86</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	95	Pole/Sapling	5	35	Red Pine	5	Log/Pole	13	86	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sweet Fern</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sweet Fern	Medium	Variable	Tall Shrub	Jack Pine	Low	< 5 feet	Sapling										
Canopy Species	% Cover	Size Class	DBH	Age																																				
Jack Pine	95	Pole/Sapling	5	35																																				
Red Pine	5	Log/Pole	13	86																																				
Sub-Canopy Species	Density	Avg. Height	Size																																					
Sweet Fern	Medium	Variable	Tall Shrub																																					
Jack Pine	Low	< 5 feet	Sapling																																					
11	710 - Sand, Soil	Nonstocked	1.9			Managed Opening	St. Helen orv trail parking lot.																																	
12	42220 - Natural Jack Pine	Poletimber Medium	29.2	59	51-80	N/A	This stand comprises the area that once was the village of Beaver Lake from the late 1800's. There is a cemetery in the far southern portion with grave markers. The jack pine is mature and ready to treat. Tried a prescribed burn back in May 2006 to stimulate regeneration but didn't work. Has oak regeneration coming in understory in some spots. Due to the historical factors within stand boundaries no treatment can be done.																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>94</td> <td>Pole/Sap/Log</td> <td>7</td> <td>59</td> </tr> <tr> <td>Northern Pin Oak</td> <td>6</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	94	Pole/Sap/Log	7	59	Northern Pin Oak	6	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	Variable	Sapling	Black/Red (Hybrid) Oak	Low	Variable	Sapling										
Canopy Species	% Cover	Size Class	DBH	Age																																				
Jack Pine	94	Pole/Sap/Log	7	59																																				
Northern Pin Oak	6	Log/Pole	10																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Jack Pine	Low	Variable	Sapling																																					
Black/Red (Hybrid) Oak	Low	Variable	Sapling																																					
13	42120 - Planted Jack Pine	Sapling Medium	2.3	15	Immature	N/A	Sand scramble area planted with jack pine. Pine doing good and secured the site back to forested. Scattered pole sized jack pine on outer edges.																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Sapling/Pole</td> <td>2</td> <td>15</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	100	Sapling/Pole	2	15																													
Canopy Species	% Cover	Size Class	DBH	Age																																				
Jack Pine	100	Sapling/Pole	2	15																																				
14	330 - Low-Density Trees	Nonstocked	3.0			4222 - Natural Jack Pine	Pole and sapling size jack pine that are starting to fill in an opening. Still not quite forested but close. The opening is barricaded off to pre ent orvs from disturbing the site.																																	
15	4130 - Aspen	Sapling Well	11.9	19	Immature	N/A	Cut 2002, not planted to JP for KW. Came back in nice and dense.																																	
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Pin Cherry</td> <td>3</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>87</td> <td>Sapling/Pole</td> <td>3</td> <td>19</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	2		Pin Cherry	3	Sapling/Pole	4		Quaking Aspen	87	Sapling/Pole	3	19	Black/Red (Hybrid) Oak	5	Sapling/Pole	4		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Pin Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	Low	5 - 10 feet	Sapling	Pin Cherry	Low	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																				
Red Maple	5	Sapling	2																																					
Pin Cherry	3	Sapling/Pole	4																																					
Quaking Aspen	87	Sapling/Pole	3	19																																				
Black/Red (Hybrid) Oak	5	Sapling/Pole	4																																					
Sub-Canopy Species	Density	Avg. Height	Size																																					
Quaking Aspen	Low	5 - 10 feet	Sapling																																					
Pin Cherry	Low	5 - 10 feet	Sapling																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
16	4122 - Oak, Pine	Poletimber Poor	7.0	35	1-50	N/A	Mixed oak and jack pine stand on the sparse side that is fairly open grown but the canopy just is into the 25% to classify it as forested. Is the result of the St. Helen wildfire in 1987.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		40	Pole/Sapling	5	35	Red Pine	
Northern Pin Oak		60	Pole/Sap/Log	6	35	Low	
						Avg. Height	
						< 5 feet	
						Size	
						Sapling	
17	42120 - Planted Jack Pine	Sapling Poor	38.4	7	Immature	N/A	Stand was final harvested in the Summer 2014 and trenched in the fall 2014. Planted to jack pine in 2015. Planted jack pine doing fairly well. Stocking moderate with some high pockets with not much other regeneration other than little bit of cherry and oak.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		90	Sapling	1	7		
Pin Cherry		5	Sapling	1			
Black/Red (Hybrid) Oak		5	Sapling	1			
18	4310 - Pine, Oak Mix	Sapling Poor	106.1	18	Immature	N/A	Jack pine plantation from 2004. The jack pine plantation was not a real good success, moderate at best. Fair amount of natural oak, some cherry and little bit of red pine mixed with it.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		55	Sapling	3	18	Sweet Fern	
Pin Cherry		4	Sapling	2		Low	
Red Pine		1	Sapling	2		Variable	
Black/Red (Hybrid) Oak		40	Sapling	2	19	Tall Shrub	
19	42120 - Planted Jack Pine	Poletimber Well	30.0	43	51-80	N/A	Jack pine plantation from 1979, also some seeding from 1983 according to old records. Scattered sawlog red pine throughout. Fair amount of sapling sized jack pine as the result of density planted and lack of thinning.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		5	Log/Pole	13		Sweet Fern	
Jack Pine		95	Pole/Sapling	6	43	Low	
						Variable	
						Tall Shrub	
20	42120 - Planted Jack Pine	Poletimber Well	36.2	39	51-80	N/A	Originally planted in 1979, replanted in 1983. Slightly higher diameter than similar aged stand to the north. Also higher mix of oak and cherry throughout. Towards the top of the basal area scale.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		77	Pole/Sapling	6	39	Sweet Fern	
Pin Cherry		3	Sapling	3		Low	
Red Pine		5	Log/XLog	15		Variable	
Northern Pin Oak		15	Pole/Sapling	5	43	Tall Shrub	
						Trace	
						< 5 feet	
						Sapling	
						Trace	
						< 5 feet	
						Sapling	
21	42120 - Planted Jack Pine	Poletimber Well	40.0	43	51-80	N/A	Jack pine plantation from 1979. High percentage of jack pine planted are still in unmerchantable size. Large supercanopy red pine scattered throughout stand. Basal area on lower end of scale and red pine accounts for some.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		9	Log	12		Sweet Fern	
Jack Pine		86	Pole/Sapling	5	43	Medium	
Black/Red (Hybrid) Oak		1	Sapling/Pole	4		Variable	
Quaking Aspen		4	Pole/Sapling	5		Tall Shrub	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
22	42120 - Planted Jack Pine	Sapling Well	57.4	26	Immature	N/A	Planted jack pine stand from 1996																																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>88</td> <td>Sapling/Pole</td> <td>3</td> <td>26</td> </tr> <tr> <td>Pin Cherry</td> <td>2</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>6</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>4</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	88	Sapling/Pole	3	26	Pin Cherry	2	Sapling	3		Quaking Aspen	6	Pole/Sapling	5		Black/Red (Hybrid) Oak	4	Sapling/Pole	4		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sweet Fern</td> <td>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sweet Fern	Medium	Variable	Tall Shrub															
Canopy Species	% Cover	Size Class	DBH	Age																																															
Jack Pine	88	Sapling/Pole	3	26																																															
Pin Cherry	2	Sapling	3																																																
Quaking Aspen	6	Pole/Sapling	5																																																
Black/Red (Hybrid) Oak	4	Sapling/Pole	4																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Sweet Fern	Medium	Variable	Tall Shrub																																																
23	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	14.6	71	81-110	N/A	Sawlog sized white pine stand with good regeneration of white pine in understory along with some maple. The ground has a high water table resulting in some wetter depressions that are being mud bogged in. Majority of ground is dry. The south and west line is a long steep bank that is forested. Numerous hill climbing spots along the perimeter. Do not treat when comes to maturity, water table rise even more, more RDR issues from mudding vehicles, and lose the pine cover to most likely maple.																																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>3</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>28</td> <td>Pole/Sapling</td> <td>5</td> <td>36</td> </tr> <tr> <td>White Pine</td> <td>68</td> <td>Log/Pole/Sap</td> <td>11</td> <td>71</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	3	Pole/Sapling	5		Red Maple	28	Pole/Sapling	5	36	White Pine	68	Log/Pole/Sap	11	71	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	Sapling	Red Maple	Low	5 - 10 feet	Sapling																
Canopy Species	% Cover	Size Class	DBH	Age																																															
Black/Red (Hybrid) Oak	3	Pole/Sapling	5																																																
Red Maple	28	Pole/Sapling	5	36																																															
White Pine	68	Log/Pole/Sap	11	71																																															
Sub-Canopy Species	Density	Avg. Height	Size																																																
White Pine	Low	5 - 10 feet	Sapling																																																
Red Maple	Low	5 - 10 feet	Sapling																																																
24	6225 - Bog	Nonstocked	1.2	0		No	leatherleaf bog																																												
25	4319 - Mixed Upland Forest	Sapling Poor	16.3	8	Immature	N/A	Red pine plantation established in 2015 that has been replanted twice. There are pockets of decent red pine but they just don't have the height yet. Fair amount of natural jack pine reseeded in and is doing better than the planted pine. A lot of the jack pine seeded into the trenches. Some oak out there with a heavier concentration of pin cherry in the long narrow portion. Trespasses from several residences including illegal trails and mowing of state land.																																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>45</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>18</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Pin Cherry</td> <td>33</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>4</td> <td>Sapling</td> <td>1</td> <td>7</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	45	Sapling	1	8	Black/Red (Hybrid) Oak	18	Sapling	1		Pin Cherry	33	Sapling	2		Red Pine	4	Sapling	1	7	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Medium	< 5 feet	Sapling															
Canopy Species	% Cover	Size Class	DBH	Age																																															
Jack Pine	45	Sapling	1	8																																															
Black/Red (Hybrid) Oak	18	Sapling	1																																																
Pin Cherry	33	Sapling	2																																																
Red Pine	4	Sapling	1	7																																															
Sub-Canopy Species	Density	Avg. Height	Size																																																
Red Pine	Medium	< 5 feet	Sapling																																																
26	4133 - Aspen, Mixed Pine	Poletimber Well	9.6	43	51-80	N/A	Aspen stand from 1979. Low elevation stand that hooks around a ridge top that is park of the Scramble Areas Rock Course.																																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>13</td> <td>Pole/Log</td> <td>8</td> <td>43</td> </tr> <tr> <td>White Pine</td> <td>28</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>45</td> <td>Pole/Log/Sap</td> <td>8</td> <td>43</td> </tr> <tr> <td>Northern Pin Oak</td> <td>11</td> <td>Pole/Sapling</td> <td>6</td> <td>43</td> </tr> <tr> <td>Pin Cherry</td> <td>3</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	13	Pole/Log	8	43	White Pine	28	Log/Pole	10		Quaking Aspen	45	Pole/Log/Sap	8	43	Northern Pin Oak	11	Pole/Sapling	6	43	Pin Cherry	3	Sapling/Pole	4		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	10 - 20 feet	Sapling	White Pine	Low	Variable	Sapling	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling		
Canopy Species	% Cover	Size Class	DBH	Age																																															
Red Maple	13	Pole/Log	8	43																																															
White Pine	28	Log/Pole	10																																																
Quaking Aspen	45	Pole/Log/Sap	8	43																																															
Northern Pin Oak	11	Pole/Sapling	6	43																																															
Pin Cherry	3	Sapling/Pole	4																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Red Maple	Low	10 - 20 feet	Sapling																																																
White Pine	Low	Variable	Sapling																																																
Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling																																																
27	3301 - Low Density Deciduous Trees	Nonstocked	4.9		Immature		St. Helen ORV scramble area rock climbing courses.																																												
28	42250 - Pine, Oak	Poletimber Well	191.8	47	51-80	N/A	Steep ridge along the stands northerly line, but mainly a gentle rolling terrain with a few wetter potholes/kettles. The ridges consist of poor quality pin oak with slightly younger jack pine in the valleys. KOTAR type is PARVHa and GLO cover type shows as barrens/savannah. Two aged with older oak and younger jack pine. The jack pine is still not ready to treat, fair amount of jack pine still in sapling stage.																																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern Pin Oak</td> <td>30</td> <td>Log/Pole</td> <td>12</td> <td>84</td> </tr> <tr> <td>White Oak</td> <td>5</td> <td>Log</td> <td>10</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>60</td> <td>Pole/Sapling</td> <td>6</td> <td>47</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern Pin Oak	30	Log/Pole	12	84	White Oak	5	Log	10		Red Pine	5	Pole	8		Jack Pine	60	Pole/Sapling	6	47	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Northern Pin Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak	Low	Variable	Sapling	Jack Pine	Medium	Variable	Sapling											
Canopy Species	% Cover	Size Class	DBH	Age																																															
Northern Pin Oak	30	Log/Pole	12	84																																															
White Oak	5	Log	10																																																
Red Pine	5	Pole	8																																																
Jack Pine	60	Pole/Sapling	6	47																																															
Sub-Canopy Species	Density	Avg. Height	Size																																																
Northern Pin Oak	Low	Variable	Sapling																																																
Jack Pine	Medium	Variable	Sapling																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
29	4126 - White, Black, N. Pin Oak	Sawtimber Well	11.3	106	81-110	N/A	A ridge top with the northern half sloping into a cedar type on the west side and the bottom of the east side is a vernal swale attached to this stand. Beyond that swale is a high and dry jack pine stand. Primarily oak sawloga with an occasional white pine and jack pine in the overstory with a white pine understory. Small pocket of supercanopy white pines. ORV trail runs through stand. Leave for regeneration purposes and to deter hill climbing on side slopes by ORV users.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern Pin Oak</td> <td>43</td> <td>Log/Pole</td> <td>12</td> <td>106</td> </tr> <tr> <td>Red Maple</td> <td>8</td> <td>Pole/Sap/Log</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>16</td> <td>Pole/Sap/Log</td> <td>7</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>White Oak</td> <td>31</td> <td>Log/Pole</td> <td>12</td> <td>106</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Northern Pin Oak	43	Log/Pole	12	106	Red Maple	8	Pole/Sap/Log	8		White Pine	16	Pole/Sap/Log	7		Jack Pine	2	Pole/Sapling	6		White Oak	31	Log/Pole	12	106	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling																			
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Northern Pin Oak	43	Log/Pole	12	106																																																									
Red Maple	8	Pole/Sap/Log	8																																																										
White Pine	16	Pole/Sap/Log	7																																																										
Jack Pine	2	Pole/Sapling	6																																																										
White Oak	31	Log/Pole	12	106																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																										
White Pine	Medium	Variable	Sapling																																																										
30	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	12.4	117	171-200	N/A	Large hemlocks scattered within a white cedar stand. Occasional supercanopy white pines. Intermittent streams. To the north where the xss canopy is more open find some red maple and the understory is dense balsam fir.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td>32</td> <td>Log/Pole/XLog</td> <td>12</td> <td>117</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Log/Pole/Sap</td> <td>10</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>43</td> <td>Pole/Log/Sap</td> <td>9</td> <td>117</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Hemlock	32	Log/Pole/XLog	12	117	Red Maple	15	Log/Pole/Sap	10		Paper Birch	5	Pole	7		Northern White Cedar	43	Pole/Log/Sap	9	117	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	10 - 20 feet	Sapling	Balsam Fir	High	5 - 10 feet	Sapling																				
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Hemlock	32	Log/Pole/XLog	12	117																																																									
Red Maple	15	Log/Pole/Sap	10																																																										
Paper Birch	5	Pole	7																																																										
Northern White Cedar	43	Pole/Log/Sap	9	117																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																										
Red Maple	Low	10 - 20 feet	Sapling																																																										
Balsam Fir	High	5 - 10 feet	Sapling																																																										
31	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	41.5	110	81-110	N/A	Very variable and unique stand which is approaching all-aged if not there. Has sawlog log oaks, along with red and white pines. Some of the pines are approaching legacy status. Heavy amount of white pine saplings which a fair percentage are pushed down., possibly from the heavy wet snowstorm this spring. Most of the stand is upland with a lot of small seeps, drainages, and potholes, stand has ridges which run SW to north/northwest and there are wet cedar runs in between the ridges. The base of hill on the northwest is heavy to pole size aspen but is wetter terrain, stand has numerous blowdowns and gaps with regeneration. With the numerous wet areas and the amount of regeneration in the understory it's best to leave the stand. This would be difficult to harvest, potential for rutting, and damage too much of the regeneration coming up. Majority of the oak will die out and the stand will be dominated by white pine.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>14</td> <td>Log/XLog</td> <td>16</td> <td>137</td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>19</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>25</td> <td>Log/Pole/XLog</td> <td>14</td> <td>110</td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Oak</td> <td>15</td> <td>Log</td> <td>14</td> <td>110</td> </tr> <tr> <td>Quaking Aspen</td> <td>3</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole/XLog</td> <td>15</td> <td>137</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	14	Log/XLog	16	137	Jack Pine	2	Log/Pole	10		Red Maple	19	Pole/Log	8		Black/Red (Hybrid) Oak	25	Log/Pole/XLog	14	110	Paper Birch	2	Pole	7		White Oak	15	Log	14	110	Quaking Aspen	3	Pole	6		White Pine	20	Log/Pole/XLog	15	137	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	White Pine	High	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Red Pine	14	Log/XLog	16	137																																																									
Jack Pine	2	Log/Pole	10																																																										
Red Maple	19	Pole/Log	8																																																										
Black/Red (Hybrid) Oak	25	Log/Pole/XLog	14	110																																																									
Paper Birch	2	Pole	7																																																										
White Oak	15	Log	14	110																																																									
Quaking Aspen	3	Pole	6																																																										
White Pine	20	Log/Pole/XLog	15	137																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																										
Balsam Fir	Medium	Variable	Sapling																																																										
White Pine	High	10 - 20 feet	Sapling																																																										
32	6120 - Lowland Cedar	Sawtimber Well	33.9	127	171-200	N/A	Wet cedar fingers that runs between numerous ridges of high ground pine/oak on either side. Numerous blowdown and gaps being created with regeneration of mostly balsam fir and no cedar. Other than blowdown areas the understory is fairly open, stand has a perched water table and seeps which create intermittent streams. Mostly cedar and white pine with occasional pockets of hemlock. Too wet to treat.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>63</td> <td>Log/Pole</td> <td>10</td> <td>127</td> </tr> <tr> <td>Hemlock</td> <td>7</td> <td>Pole</td> <td>8</td> <td>127</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log</td> <td>12</td> <td>127</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>XLog/Log</td> <td>18</td> <td>127</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	10	Log/Pole	10		Paper Birch	5	Pole	8		Northern White Cedar	63	Log/Pole	10	127	Hemlock	7	Pole	8	127	Red Pine	5	Log	12	127	White Pine	10	XLog/Log	18	127	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	5 - 10 feet	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Red Maple	10	Log/Pole	10																																																										
Paper Birch	5	Pole	8																																																										
Northern White Cedar	63	Log/Pole	10	127																																																									
Hemlock	7	Pole	8	127																																																									
Red Pine	5	Log	12	127																																																									
White Pine	10	XLog/Log	18	127																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																										
Balsam Fir	Low	5 - 10 feet	Sapling																																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
33	4319 - Mixed Upland Forest	Sapling Medium	11.9	29	51-80	N/A	Stand harvested to a 4" diameter spec. in 1993. Scattered large openings with mostly stump sprouted red maple and white pine residual. Lower end of the basal area average. Higher ridges on the east/west ends with a valley in between. In this valley is some seasonally wet depressions. Inclusion of jack pine in the southeast corner.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>3</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>50</td> <td>Pole/Sapling</td> <td>5</td> <td>29</td> </tr> <tr> <td>White Pine</td> <td>40</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	3	Sapling	3		Jack Pine	2	Sapling	3		Red Maple	50	Pole/Sapling	5	29	White Pine	40	Pole/Sapling	5		Bigtooth Aspen	5	Sapling/Pole	4												
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Pine	3	Sapling	3																																													
Jack Pine	2	Sapling	3																																													
Red Maple	50	Pole/Sapling	5	29																																												
White Pine	40	Pole/Sapling	5																																													
Bigtooth Aspen	5	Sapling/Pole	4																																													
34	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	30.7	80	81-110	N/A	The west side of the stand is a ridge of sparser stump sprouted maples and as go east turns into mature oak with a heavy mid and sub canopy of white pine and red maple. It drops off the ridge into a lower elevation. I won't call it wet but the water table is higher. Do have scattered vernal ponds with cedar/hemlock. The majority is mainly maple overstory with some saplings in the mid canopy but has a heavy white pine and/or balsam fir understory. The stand is converting to a white pine stand. In the southeast corner is an island of very large oaks that is shading a vernal pond area and producing good acorns. Evidence of recent turkey and deer activity in here. Do not harvest. This stand is one of a small handful of stands that make up a unique habitat in this area. The area is mainly jack pine either natural or artificial that has the trails closed off because of the amount of wet ground and RDR issues. Good place to hunt without the disturbances of the orvs. Stand has too much potential also for rutting and we'd do more harm than good to the regeneration by treating it.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>49</td> <td>Log/Pole/Sap</td> <td>10</td> <td>80</td> </tr> <tr> <td>White Oak</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td>80</td> </tr> <tr> <td>White Pine</td> <td>27</td> <td>Pole/Sap/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>1</td> <td>Pole</td> <td>8</td> <td>80</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>18</td> <td>XLog/Log/Pole</td> <td>18</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	49	Log/Pole/Sap	10	80	White Oak	5	Log/Pole	12	80	White Pine	27	Pole/Sap/Log	8		Paper Birch	1	Pole	8	80	Black/Red (Hybrid) Oak	18	XLog/Log/Pole	18												
Canopy Species	% Cover	Size Class	DBH	Age																																												
Red Maple	49	Log/Pole/Sap	10	80																																												
White Oak	5	Log/Pole	12	80																																												
White Pine	27	Pole/Sap/Log	8																																													
Paper Birch	1	Pole	8	80																																												
Black/Red (Hybrid) Oak	18	XLog/Log/Pole	18																																													
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Full</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>								Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Full	Variable	Sapling	Balsam Fir	High	Variable	Sapling																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
White Pine	Full	Variable	Sapling																																													
Balsam Fir	High	Variable	Sapling																																													
35	4199 - Other Mixed Upland Deciduous	Poletimber Medium	15.5	43	51-80	N/A	Cut 1977, now aspen/red maple/oak with an scattered log class white pine. Appears no pine was cut in that harvest. East edge has pockets of larger white pine, the stands aspen clones, and bit of jack pine. Small pockets & wet runs of cedar/hemlock/white pine scattered throughout stand.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>13</td> <td>Log/Pole</td> <td>10</td> <td>43</td> </tr> <tr> <td>Northern Pin Oak</td> <td>17</td> <td>Pole/Sapling</td> <td>7</td> <td>43</td> </tr> <tr> <td>Pin Cherry</td> <td>2</td> <td>Sapling</td> <td>4</td> <td></td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/Pole/XLog</td> <td>10</td> <td></td> </tr> <tr> <td>White Oak</td> <td>7</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>44</td> <td>Pole/Sap/Log</td> <td>7</td> <td>43</td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	13	Log/Pole	10	43	Northern Pin Oak	17	Pole/Sapling	7	43	Pin Cherry	2	Sapling	4		White Pine	15	Log/Pole/XLog	10		White Oak	7	Pole/Sapling	6		Red Maple	44	Pole/Sap/Log	7	43	Jack Pine	2	Pole/Sapling	6		
Canopy Species	% Cover	Size Class	DBH	Age																																												
Bigtooth Aspen	13	Log/Pole	10	43																																												
Northern Pin Oak	17	Pole/Sapling	7	43																																												
Pin Cherry	2	Sapling	4																																													
White Pine	15	Log/Pole/XLog	10																																													
White Oak	7	Pole/Sapling	6																																													
Red Maple	44	Pole/Sap/Log	7	43																																												
Jack Pine	2	Pole/Sapling	6																																													
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>								Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	Sapling	Red Maple	Low	10 - 20 feet	Sapling																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
White Pine	Low	5 - 10 feet	Sapling																																													
Red Maple	Low	10 - 20 feet	Sapling																																													
36	4319 - Mixed Upland Forest	Sawtimber Well	24.3	80	81-110	N/A	Appears this stand was treated similar to the one to the north in late 70'S. All species, mostly red maple and oak was removed leaving the pine. Some oaks were left. There are sparse to open pockets here and there with cherry. This brings the canopy closure down to the low end. The stand codes out as white pine with a high percentage of white pine in saw class size. The maple and oaks just getting to saw size. Wait to treat letting these get larger. The white pine will hold. Some of the mature oaks will be lost but provide snag habitat.																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td>43</td> </tr> <tr> <td>Jack Pine</td> <td>3</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>40</td> <td>Log/Pole/Sap</td> <td>12</td> <td>80</td> </tr> <tr> <td>Northern Pin Oak</td> <td>15</td> <td>Pole/Log/Sap</td> <td>9</td> <td></td> </tr> <tr> <td>White Oak</td> <td>7</td> <td>Log</td> <td>14</td> <td>80</td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Pole</td> <td>5</td> <td>43</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	5	Log/Pole	10	43	Jack Pine	3	Pole	7		White Pine	40	Log/Pole/Sap	12	80	Northern Pin Oak	15	Pole/Log/Sap	9		White Oak	7	Log	14	80	Red Maple	30	Pole	5	43						
Canopy Species	% Cover	Size Class	DBH	Age																																												
Bigtooth Aspen	5	Log/Pole	10	43																																												
Jack Pine	3	Pole	7																																													
White Pine	40	Log/Pole/Sap	12	80																																												
Northern Pin Oak	15	Pole/Log/Sap	9																																													
White Oak	7	Log	14	80																																												
Red Maple	30	Pole	5	43																																												
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>								Sub-Canopy Species	Density	Avg. Height	Size	White Oak	Low	Variable	Sapling	White Pine	Low	Variable	Sapling																													
Sub-Canopy Species	Density	Avg. Height	Size																																													
White Oak	Low	Variable	Sapling																																													
White Pine	Low	Variable	Sapling																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
37	4310 - Pine, Oak Mix	Sawtimber Well	59.5	58	51-80	N/A	Stand with ridges and intermittent valleys. The mature oak is predominantly on the ridge tops and slopes with the jack pine found mostly in the valleys. The oak is starting to die out and the jack pine is close to rotation age. Recommend harvesting the site removing all species to two inches. Leave all white oak for mast and white pine over 20 inches d.b.h.. Due to the orv trail within stand, do not chip site but scatter brush out to deter illegal trail construction.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>20</td> <td>Log</td> <td>12</td> <td>107</td> </tr> <tr> <td>Jack Pine</td> <td>30</td> <td>Pole/Sap/Log</td> <td>8</td> <td>58</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log/XLog</td> <td>16</td> <td>107</td> </tr> <tr> <td>Northern Pin Oak</td> <td>25</td> <td>Log/Pole</td> <td>12</td> <td>107</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole/XLog</td> <td>14</td> <td>107</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Oak	20	Log	12	107	Jack Pine	30	Pole/Sap/Log	8	58	Red Pine	5	Log/XLog	16	107	Northern Pin Oak	25	Log/Pole	12	107	White Pine	20	Log/Pole/XLog	14	107	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	Variable	Sapling	White Pine	Medium	Variable	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																														
White Oak	20	Log	12	107																																														
Jack Pine	30	Pole/Sap/Log	8	58																																														
Red Pine	5	Log/XLog	16	107																																														
Northern Pin Oak	25	Log/Pole	12	107																																														
White Pine	20	Log/Pole/XLog	14	107																																														
Sub-Canopy Species	Density	Avg. Height	Size																																															
Jack Pine	Medium	Variable	Sapling																																															
White Pine	Medium	Variable	Sapling																																															
38	4130 - Aspen	Sapling Well	8.1	19	Immature	N/A	Cut in 2003, aspen clone that came back in and was not planted to KW jack pine.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>80</td> <td>Sapling/Pole</td> <td>3</td> <td>19</td> </tr> <tr> <td>Northern Pin Oak</td> <td>10</td> <td>Sapling/Pole</td> <td>3</td> <td>19</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	10	Sapling	3		Quaking Aspen	80	Sapling/Pole	3	19	Northern Pin Oak	10	Sapling/Pole	3	19																												
Canopy Species	% Cover	Size Class	DBH	Age																																														
Jack Pine	10	Sapling	3																																															
Quaking Aspen	80	Sapling/Pole	3	19																																														
Northern Pin Oak	10	Sapling/Pole	3	19																																														
39	42120 - Planted Jack Pine	Sapling Medium	498.7	15	Immature	N/A	Planted to jack pine for KW in 2007. On the higher end of the canopy closure. Being used by warblers in 2021 census.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Pin Cherry</td> <td>5</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>12</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>83</td> <td>Sapling</td> <td>3</td> <td>15</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Pin Cherry	5	Sapling	2		Black/Red (Hybrid) Oak	12	Sapling	3		Jack Pine	83	Sapling	3	15																												
Canopy Species	% Cover	Size Class	DBH	Age																																														
Pin Cherry	5	Sapling	2																																															
Black/Red (Hybrid) Oak	12	Sapling	3																																															
Jack Pine	83	Sapling	3	15																																														
40	4122 - Oak, Pine	Sawtimber Medium	17.4	109	81-110	N/A	Stand is a ridge top along the west side that slopes towards lake with lots of illegal ORV trails & erosion concerns in and around stand, stand is over mature pin oak/jack pine with pin oak declining with lots of snags, white oak doing fair, and jack pine declining, stand has a decent understory of jack pine and oak starting to come in also, KOTAR shows PARvHa with GLO covertypes showing as part of barrens/savannah complex to the north. Afraid if we treat this stand that the erosion concerns from illegal orv use will spread on a larger scale. Small vernal pond in the center. Midland to Mackinaw Trails bisects stand.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>25</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>White Oak</td> <td>25</td> <td>Log</td> <td>11</td> <td>109</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>35</td> <td>Log</td> <td>11</td> <td>109</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	10	Pole/Log	9		Jack Pine	25	Pole/Log	9		White Oak	25	Log	11	109	White Pine	5	Pole	6		Northern Pin Oak	35	Log	11	109	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Northern Pin Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak	Low	Variable	Sapling	Red Pine	Low	Variable	Sapling	Jack Pine	Medium	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																														
Red Pine	10	Pole/Log	9																																															
Jack Pine	25	Pole/Log	9																																															
White Oak	25	Log	11	109																																														
White Pine	5	Pole	6																																															
Northern Pin Oak	35	Log	11	109																																														
Sub-Canopy Species	Density	Avg. Height	Size																																															
Northern Pin Oak	Low	Variable	Sapling																																															
Red Pine	Low	Variable	Sapling																																															
Jack Pine	Medium	Variable	Sapling																																															
41	500 - Water	Nonstocked	9.0			No	Beaver Lake - the water is about 2/3rds gone because its primary water source is being interrupted by the road along the south side. A culvert has been crushed and germs along road blocking flow. The beavers have moved out and the water supply is not coming in anymore so it is drying up rapidly resulting in more exposed bottom lands with lots of illegal ORV traffic and accompanying erosion around and in lake																																											
42	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Well	21.1	27	51-80	N/A	The stand was plant to jack pine. Has natural oak, cherry, and other pine species coming in. Just into pole size. Lower end of canopy closure.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern Pin Oak</td> <td>20</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>55</td> <td>Pole/Sapling</td> <td>5</td> <td>27</td> </tr> <tr> <td>Pin Cherry</td> <td>15</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Northern Pin Oak	20	Sapling/Pole	4		Red Pine	5	Pole	6		Jack Pine	55	Pole/Sapling	5	27	Pin Cherry	15	Sapling	3		White Pine	5	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling								
Canopy Species	% Cover	Size Class	DBH	Age																																														
Northern Pin Oak	20	Sapling/Pole	4																																															
Red Pine	5	Pole	6																																															
Jack Pine	55	Pole/Sapling	5	27																																														
Pin Cherry	15	Sapling	3																																															
White Pine	5	Pole	8																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
43	6225 - Bog	Nonstocked	1.3			No	Bog																																															
44	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	19.8	37	1-50	N/A	The stand came back sparse and a fair amount of the regeneration is non-merchantable grade pin cherry. The oak came via mostly stump sprouting. The jack pine is mostly concentrated up at the northern end. Some scattered aspen here and there.																																															
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Pin Cherry</td> <td>32</td> <td>Sapling/Pole</td> <td>4</td> <td>37</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>35</td> <td>Pole/Sapling</td> <td>5</td> <td>37</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Pin Cherry	32	Sapling/Pole	4	37	Red Pine	5	Pole	8		Northern Pin Oak	35	Pole/Sapling	5	37	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	< 5 feet	Sapling	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling																	
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Pin Cherry	32	Sapling/Pole	4	37																																																		
Red Pine	5	Pole	8																																																			
Northern Pin Oak	35	Pole/Sapling	5	37																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Jack Pine	Low	< 5 feet	Sapling																																																			
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling																																																			
45	4199 - Other Mixed Upland Deciduous	Sapling Poor	21.5	23	Immature	N/A	1998 wildfire stand that killed most of the original forest cover. Have some oak stump sprouts, small pockets of aspen, but predominately pin cherry. Some scattered large white pines also. On higher end of canopy closure.																																															
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>3</td> <td>23</td> </tr> <tr> <td>White Pine</td> <td>1</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>15</td> <td>Sapling/Pole</td> <td>3</td> <td>23</td> </tr> <tr> <td>Pin Cherry</td> <td>66</td> <td>Sapling</td> <td>2</td> <td>23</td> </tr> <tr> <td>Quaking Aspen</td> <td>13</td> <td>Pole/Sapling</td> <td>5</td> <td>23</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	3	23	White Pine	1	Log	12		Northern Pin Oak	15	Sapling/Pole	3	23	Pin Cherry	66	Sapling	2	23	Quaking Aspen	13	Pole/Sapling	5	23																					
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Red Maple	5	Sapling	3	23																																																		
White Pine	1	Log	12																																																			
Northern Pin Oak	15	Sapling/Pole	3	23																																																		
Pin Cherry	66	Sapling	2	23																																																		
Quaking Aspen	13	Pole/Sapling	5	23																																																		
46	6225 - Bog	Nonstocked	1.7			No	Leather leaf bog that is drying up. because natural flow from bog to south is being interrupted by the road along south side.																																															
47	6224 - Treed Bog	Nonstocked	12.1			No	treed bog with balsam fire, black spruce, and cedar																																															
48	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	16.4	48	81-110	N/A	Harvest removing all the aspen, maple and some oak along with white pine. The stand is maple/aspen along the southerly two-thirds but gradually transitions to mostly white pine along the northern side where the ground gets wetter along the bog. Do not cut, destroy alot of regrowth trying to get the mature oak/white pine out. Oak is largely white. Leave for mast and evaluate in 10 to see if can go a thin?																																															
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>1</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td>48</td> </tr> <tr> <td>White Pine</td> <td>30</td> <td>Log/Pole/Sap</td> <td>10</td> <td>89</td> </tr> <tr> <td>Red Maple</td> <td>42</td> <td>Pole/Sapling</td> <td>5</td> <td>48</td> </tr> <tr> <td>Red Pine</td> <td>1</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>1</td> <td>Log</td> <td>16</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	1	Sapling/Pole	4		Quaking Aspen	15	Pole/Sapling	6	48	White Pine	30	Log/Pole/Sap	10	89	Red Maple	42	Pole/Sapling	5	48	Red Pine	1	Log	16		Black/Red (Hybrid) Oak	1	Log	16		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	5 - 10 feet	Sapling	White Pine	Low	5 - 10 feet	Sapling		
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Paper Birch	1	Sapling/Pole	4																																																			
Quaking Aspen	15	Pole/Sapling	6	48																																																		
White Pine	30	Log/Pole/Sap	10	89																																																		
Red Maple	42	Pole/Sapling	5	48																																																		
Red Pine	1	Log	16																																																			
Black/Red (Hybrid) Oak	1	Log	16																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Red Maple	Medium	5 - 10 feet	Sapling																																																			
White Pine	Low	5 - 10 feet	Sapling																																																			
49	4122 - Oak, Pine	Poletimber Well	11.7	84	81-110	N/A	Rolling terrain with some steeper parts with an oak overstory of mature pin oak that is starting to decline followed by a good mix of white oak in varying size classes. The white pine has reached pole size with a good amount of saplings in mid-canopy. If do a treatment it would be to harvest declining pin oak to get resprouting, thin out some of the lower quality white oak and pine for operability, but leave a decent overstory of white oak and white pine to shelter the white pine saplings present.																																															
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>20</td> <td>Log</td> <td>10</td> <td>84</td> </tr> <tr> <td>Northern Pin Oak</td> <td>45</td> <td>Log</td> <td>12</td> <td>84</td> </tr> <tr> <td>White Pine</td> <td>35</td> <td>Pole/Sap/Log</td> <td>7</td> <td>48</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Oak	20	Log	10	84	Northern Pin Oak	45	Log	12	84	White Pine	35	Pole/Sap/Log	7	48	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	>20 feet	Sapling																					
Canopy Species	% Cover	Size Class	DBH	Age																																																		
White Oak	20	Log	10	84																																																		
Northern Pin Oak	45	Log	12	84																																																		
White Pine	35	Pole/Sap/Log	7	48																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																			
White Pine	Low	>20 feet	Sapling																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
50	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	8.0	24	Immature	N/A	The stand burned in 1998 wildfire which killed most of the forest cover except for the large white pines. Jack pine has started to seed in with oak sprouting off the stumps. Still very sparse with a lot of pin cherry.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Pin Cherry</td> <td>27</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>48</td> <td>Sapling/Pole</td> <td>3</td> <td>24</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Pin Cherry	27	Sapling	3		Black/Red (Hybrid) Oak	48	Sapling/Pole	3	24	White Pine	10	Log	14		Jack Pine	15	Sapling	2																																							
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Pin Cherry	27	Sapling	3																																																																			
Black/Red (Hybrid) Oak	48	Sapling/Pole	3	24																																																																		
White Pine	10	Log	14																																																																			
Jack Pine	15	Sapling	2																																																																			
51	4126 - White, Black, N. Pin Oak	Sawtimber Well	8.2	106	111-140	N/A	Mixed of large white oak and pin oaks with a midcanopy of white pine coming in here as well as the understory. Leave overstory oaks for mast and protection to white pine coming in. Heavy wet snowstorm last winter knocked a fair amount of sapling to small pole sized white pines down that were out in the open and got a full snow load.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>22</td> <td>Pole/Sap/Log</td> <td>7</td> <td>33</td> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>7</td> <td>Pole/Log</td> <td>8</td> <td></td> <td>White Pine</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Northern Pin Oak</td> <td>26</td> <td>Log/Pole</td> <td>13</td> <td>106</td> <td>Red Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>45</td> <td>Log/Pole</td> <td>13</td> <td>106</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	White Pine	22	Pole/Sap/Log	7	33	Red Maple	Low	Variable	Sapling	Red Pine	7	Pole/Log	8		White Pine	Medium	10 - 20 feet	Sapling	Northern Pin Oak	26	Log/Pole	13	106	Red Pine	Low	10 - 20 feet	Sapling	White Oak	45	Log/Pole	13	106																						
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
White Pine	22	Pole/Sap/Log	7	33	Red Maple	Low	Variable	Sapling																																																														
Red Pine	7	Pole/Log	8		White Pine	Medium	10 - 20 feet	Sapling																																																														
Northern Pin Oak	26	Log/Pole	13	106	Red Pine	Low	10 - 20 feet	Sapling																																																														
White Oak	45	Log/Pole	13	106																																																																		
52	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	40.5	28	1-50	N/A	Mixed stand of jack pine concentrated in pockets with the other areas being open or forested with oak and pin cherry mainly. On the lower end of the canopy closure. The jack pine is very limby and bushy.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Pin Cherry</td> <td>25</td> <td>Pole/Sapling</td> <td>5</td> <td>28</td> </tr> <tr> <td>Northern Pin Oak</td> <td>30</td> <td>Pole/Sapling</td> <td>5</td> <td>28</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>3</td> <td>28</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>35</td> <td>Pole/Sapling</td> <td>5</td> <td>28</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Pin Cherry	25	Pole/Sapling	5	28	Northern Pin Oak	30	Pole/Sapling	5	28	Red Maple	5	Sapling	3	28	Red Pine	5	Pole/Sapling	5		Jack Pine	35	Pole/Sapling	5	28																																	
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
Pin Cherry	25	Pole/Sapling	5	28																																																																		
Northern Pin Oak	30	Pole/Sapling	5	28																																																																		
Red Maple	5	Sapling	3	28																																																																		
Red Pine	5	Pole/Sapling	5																																																																			
Jack Pine	35	Pole/Sapling	5	28																																																																		
53	4133 - Aspen, Mixed Pine	Sawtimber Well	30.8	52	111-140	N/A	Aspen stand that could be treated. Nice quality aspen with areas of mostly white pine mixed with red maple in spots. The locations predominately red maple are in wet areas with evidence of old skidder ruts still that are full of water even though it is dry most everywhere else.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>18</td> <td>Pole/Sapling</td> <td>6</td> <td></td> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>35</td> <td>Log/Pole</td> <td>10</td> <td>52</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>1</td> <td>Pole/Sapling</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Pole/Log</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>25</td> <td>Log/Pole</td> <td>11</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>1</td> <td>Pole/Sapling</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	18	Pole/Sapling	6		Red Maple	Medium	Variable	Sapling	Quaking Aspen	35	Log/Pole	10	52					Northern Pin Oak	1	Pole/Sapling	6						White Pine	20	Pole/Log	8						Bigtooth Aspen	25	Log/Pole	11						Balsam Fir	1	Pole/Sapling	6					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Red Maple	18	Pole/Sapling	6		Red Maple	Medium	Variable	Sapling																																																														
Quaking Aspen	35	Log/Pole	10	52																																																																		
Northern Pin Oak	1	Pole/Sapling	6																																																																			
White Pine	20	Pole/Log	8																																																																			
Bigtooth Aspen	25	Log/Pole	11																																																																			
Balsam Fir	1	Pole/Sapling	6																																																																			
54	4139 - Aspen, Mixed Deciduous	Poletimber Well	33.4	46	81-110	N/A	Prior harvest that removed aspen, maple, and majority of oaks. Left some larger oaks and pines scattered about. The diameters of the stand are on the smaller size for the age. Dense with a lot of sapling sized trees in the canopy. Pocket of white pine in southwest tip.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>41</td> <td>Pole/Sap/Log</td> <td>8</td> <td>46</td> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>2</td> <td>Pole/Sapling</td> <td>5</td> <td></td> <td>Quaking Aspen</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Pine</td> <td>18</td> <td>Pole/Sap/Log</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Red Maple</td> <td>34</td> <td>Pole/Sapling</td> <td>6</td> <td>46</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Quaking Aspen	41	Pole/Sap/Log	8	46	Red Maple	Medium	Variable	Sapling	White Oak	2	Pole/Sapling	5		Quaking Aspen	Low	< 5 feet	Sapling	Black/Red (Hybrid) Oak	5	Pole/Sapling	5						White Pine	18	Pole/Sap/Log	8						Red Maple	34	Pole/Sapling	6	46													
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Quaking Aspen	41	Pole/Sap/Log	8	46	Red Maple	Medium	Variable	Sapling																																																														
White Oak	2	Pole/Sapling	5		Quaking Aspen	Low	< 5 feet	Sapling																																																														
Black/Red (Hybrid) Oak	5	Pole/Sapling	5																																																																			
White Pine	18	Pole/Sap/Log	8																																																																			
Red Maple	34	Pole/Sapling	6	46																																																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
55	4131 - Aspen, Oak	Poletimber Well	14.5	29	81-110	N/A	Better quality aspen with less red maple in overstory but heavy in understory under aspen. Where the aspen is void is scattered oak of lesser density.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>10</td> <td>Log/XLog/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>White Oak</td> <td>1</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>22</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>45</td> <td>Pole/Sapling</td> <td>7</td> <td>29</td> </tr> <tr> <td>Red Maple</td> <td>22</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	10	Log/XLog/Pole	14		White Oak	1	Sapling/Pole	4		Northern Pin Oak	22	Pole/Sapling	5		Bigtooth Aspen	45	Pole/Sapling	7	29	Red Maple	22	Pole/Sapling	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	10 - 20 feet	Sapling	White Pine	Low	< 5 feet	Sapling																
Canopy Species	% Cover	Size Class	DBH	Age																																																									
White Pine	10	Log/XLog/Pole	14																																																										
White Oak	1	Sapling/Pole	4																																																										
Northern Pin Oak	22	Pole/Sapling	5																																																										
Bigtooth Aspen	45	Pole/Sapling	7	29																																																									
Red Maple	22	Pole/Sapling	6																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																										
Red Maple	Medium	10 - 20 feet	Sapling																																																										
White Pine	Low	< 5 feet	Sapling																																																										
56	42290 - Natural Mixed Pine	Sawtimber Well	52.2	77	81-110	N/A	Natural stand of mixed pine, treated with thinning in 1982 by removing some hardwoods and jack pine. The jack pine is over mature but not enough to do a treatment so wait till the other species are at rotational age to remove what jack pine still alive and thin the red/white pines.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>12</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>18</td> <td>Log/Pole</td> <td>13</td> <td>77</td> </tr> <tr> <td>Jack Pine</td> <td>28</td> <td>Pole/Log</td> <td>9</td> <td>77</td> </tr> <tr> <td>White Pine</td> <td>32</td> <td>Log/Pole</td> <td>11</td> <td>77</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	12	Pole/Sapling	5		Northern Pin Oak	10	Pole/Sapling	5		Red Pine	18	Log/Pole	13	77	Jack Pine	28	Pole/Log	9	77	White Pine	32	Log/Pole	11	77	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Northern Pin Oak</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Pin Cherry</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	>20 feet	Sapling	Red Pine	Low	>20 feet	Sapling	Jack Pine	Low	>20 feet	Sapling	Red Maple	Medium	Variable	Sapling	Northern Pin Oak	Medium	Variable	Sapling	Pin Cherry	Low	Variable	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Red Maple	12	Pole/Sapling	5																																																										
Northern Pin Oak	10	Pole/Sapling	5																																																										
Red Pine	18	Log/Pole	13	77																																																									
Jack Pine	28	Pole/Log	9	77																																																									
White Pine	32	Log/Pole	11	77																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																										
White Pine	Low	>20 feet	Sapling																																																										
Red Pine	Low	>20 feet	Sapling																																																										
Jack Pine	Low	>20 feet	Sapling																																																										
Red Maple	Medium	Variable	Sapling																																																										
Northern Pin Oak	Medium	Variable	Sapling																																																										
Pin Cherry	Low	Variable	Tall Shrub																																																										
57	4133 - Aspen, Mixed Pine	Poletimber Well	27.4	39	81-110	N/A	Better aspen regeneration amounts in this stand with less red maple in overstory. The red maple is heavy in understory. Scattered sawlog class white pine throughout. Some scatter oaks as well and pockets of decent white pine in the understory. On high end of basal area. Bisect by MCCCT trail.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>20</td> <td>Log/XLog/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>20</td> <td>Pole/Log/Sap</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>45</td> <td>Pole/Log/Sap</td> <td>8</td> <td>39</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	20	Log/XLog/Pole	14		Northern Pin Oak	20	Pole/Log/Sap	8		Red Maple	15	Pole/Sapling	7		Bigtooth Aspen	45	Pole/Log/Sap	8	39	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	10 - 20 feet	Sapling	White Pine	Low	< 5 feet	Sapling	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling																	
Canopy Species	% Cover	Size Class	DBH	Age																																																									
White Pine	20	Log/XLog/Pole	14																																																										
Northern Pin Oak	20	Pole/Log/Sap	8																																																										
Red Maple	15	Pole/Sapling	7																																																										
Bigtooth Aspen	45	Pole/Log/Sap	8	39																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																										
Red Maple	High	10 - 20 feet	Sapling																																																										
White Pine	Low	< 5 feet	Sapling																																																										
Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling																																																										
58	4199 - Other Mixed Upland Deciduous	Poletimber Well	27.4	28	51-80	N/A	Harvest done in 1983 leaving some red/white oak and all white pine. The remaining white pine are decent size sawlogs now.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>29</td> <td>Pole/Sapling</td> <td>7</td> <td>28</td> </tr> <tr> <td>Northern Pin Oak</td> <td>17</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/XLog/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>White Oak</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>39</td> <td>Pole/Sapling</td> <td>6</td> <td>28</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	29	Pole/Sapling	7	28	Northern Pin Oak	17	Pole/Sapling	5		White Pine	10	Log/XLog/Pole	14		White Oak	5	Pole/Sapling	5		Red Maple	39	Pole/Sapling	6	28	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	5 - 10 feet	Sapling	White Pine	Medium	5 - 10 feet	Sapling																
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Bigtooth Aspen	29	Pole/Sapling	7	28																																																									
Northern Pin Oak	17	Pole/Sapling	5																																																										
White Pine	10	Log/XLog/Pole	14																																																										
White Oak	5	Pole/Sapling	5																																																										
Red Maple	39	Pole/Sapling	6	28																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																										
Red Maple	Medium	5 - 10 feet	Sapling																																																										
White Pine	Medium	5 - 10 feet	Sapling																																																										
59	4199 - Other Mixed Upland Deciduous	Sapling Medium	60.1	19	Immature	N/A	Very low end of canopy closure, stand open grown with aspen clones interspersed with stump-sprout oak, red maple, and pin cherry. Not the best regenerating stand.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Pin Cherry</td> <td>33</td> <td>Sapling</td> <td>3</td> <td>19</td> </tr> <tr> <td>Red Maple</td> <td>27</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>25</td> <td>Sapling</td> <td>2</td> <td>19</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>15</td> <td>Sapling</td> <td>3</td> <td>19</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Pin Cherry	33	Sapling	3	19	Red Maple	27	Sapling	2		Northern Pin Oak	25	Sapling	2	19	Bigtooth Aspen	15	Sapling	3	19	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	< 5 feet	Sapling																									
Canopy Species	% Cover	Size Class	DBH	Age																																																									
Pin Cherry	33	Sapling	3	19																																																									
Red Maple	27	Sapling	2																																																										
Northern Pin Oak	25	Sapling	2	19																																																									
Bigtooth Aspen	15	Sapling	3	19																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																										
Red Maple	Medium	< 5 feet	Sapling																																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
60	42210 - Natural Red Pine	Sawtimber Well	7.6	90	81-110	N/A	Nice natural red pine stand trending toward all-aged. Has small amount of oak and white pine in the understory. Nice large mast producing oaks of both species along the perimeters. Was thinned in 2011																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>75</td> <td>Log/Pole</td> <td>12</td> <td>90</td> </tr> <tr> <td>White Oak</td> <td>8</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Northern Pin Oak</td> <td>12</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	75	Log/Pole	12	90	White Oak	8	Log	14		White Pine	5	Log/Pole	10		Northern Pin Oak	12	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Pin Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling	Pin Cherry	Low	5 - 10 feet	Sapling	White Pine	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																								
Red Pine	75	Log/Pole	12	90																																								
White Oak	8	Log	14																																									
White Pine	5	Log/Pole	10																																									
Northern Pin Oak	12	Log	14																																									
Sub-Canopy Species	Density	Avg. Height	Size																																									
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling																																									
Pin Cherry	Low	5 - 10 feet	Sapling																																									
White Pine	Low	Variable	Sapling																																									
61	4126 - White, Black, N. Pin Oak	Sawtimber Medium	11.8	106	81-110	N/A	Thinned in 2011 leaning towards white oak for residual and large pin oaks. The understory is open with some white pine regeneration and red maple coming in as well. Oak is healthy so leave for wildlife at this time and allow the smaller cover types to get larger.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>15</td> <td>Pole/Sap/Log</td> <td>7</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>White Oak</td> <td>45</td> <td>Log/Pole</td> <td>13</td> <td>106</td> </tr> <tr> <td>Northern Pin Oak</td> <td>35</td> <td>Log/Pole</td> <td>13</td> <td>106</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	15	Pole/Sap/Log	7		Red Pine	5	Pole/Log	8		White Oak	45	Log/Pole	13	106	Northern Pin Oak	35	Log/Pole	13	106	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	10 - 20 feet	Sapling	Red Pine	Trace	10 - 20 feet	Sapling	Red Maple	Low	< 5 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																								
White Pine	15	Pole/Sap/Log	7																																									
Red Pine	5	Pole/Log	8																																									
White Oak	45	Log/Pole	13	106																																								
Northern Pin Oak	35	Log/Pole	13	106																																								
Sub-Canopy Species	Density	Avg. Height	Size																																									
White Pine	Low	10 - 20 feet	Sapling																																									
Red Pine	Trace	10 - 20 feet	Sapling																																									
Red Maple	Low	< 5 feet	Sapling																																									
62	710 - Sand, Soil	Nonstocked	3.2				Buried gas line and railroad tracks.																																					
63	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Well	20.4	27	51-80	N/A	The stand was plant to jack pine. Has natural oak, cherry, and other pine species coming in. Just into pole size. Lower end of canopy closure.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>55</td> <td>Pole/Sapling</td> <td>5</td> <td>27</td> </tr> <tr> <td>Northern Pin Oak</td> <td>20</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Pin Cherry</td> <td>15</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	5	Pole	6		Jack Pine	55	Pole/Sapling	5	27	Northern Pin Oak	20	Sapling/Pole	4		White Pine	5	Pole	8		Pin Cherry	15	Sapling	3		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																								
Red Pine	5	Pole	6																																									
Jack Pine	55	Pole/Sapling	5	27																																								
Northern Pin Oak	20	Sapling/Pole	4																																									
White Pine	5	Pole	8																																									
Pin Cherry	15	Sapling	3																																									
Sub-Canopy Species	Density	Avg. Height	Size																																									
Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling																																									
64	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	51.6	26	1-50	N/A	Jack pine planatation from 1996. Can still see evidence of rows but the don't stand out to well on the ground. Have natural jack pine is small amounts but fair amount of natural oak, some cherry and pockets of aspen. good mixed stand.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>28</td> <td>Pole/Sapling</td> <td>5</td> <td>27</td> </tr> <tr> <td>Quaking Aspen</td> <td>7</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Pin Cherry</td> <td>2</td> <td>Sapling</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	28	Pole/Sapling	5	27	Quaking Aspen	7	Pole/Sapling	5		Pin Cherry	2	Sapling	4		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sweet Fern</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sweet Fern	Low	Variable	Tall Shrub													
Canopy Species	% Cover	Size Class	DBH	Age																																								
Black/Red (Hybrid) Oak	28	Pole/Sapling	5	27																																								
Quaking Aspen	7	Pole/Sapling	5																																									
Pin Cherry	2	Sapling	4																																									
Sub-Canopy Species	Density	Avg. Height	Size																																									
Sweet Fern	Low	Variable	Tall Shrub																																									
65	4133 - Aspen, Mixed Pine	Sawtimber Well	16.2	66	81-110	N/A	Sawlog sized aspen stand with fair amount of red maple in the understory. White pine along the east edge. The ground has a high water table especially to the west. Majority of ground is dry though and would benefit from a treatment to perpetuate the aspen type. Due to the sandy road conditions coming in and the potential for rutting, treat in frozen conditions. Do not chip the tops/slash but rather scatter out evenly over the stand to protect regeneration coming in from ORV traffic creating a large sand bowl. Access with be in from the north end.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>25</td> <td>Log/Pole/Sap</td> <td>11</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>65</td> <td>Log/Pole/Sap</td> <td>10</td> <td>66</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	25	Log/Pole/Sap	11		Red Maple	10	Pole/Sapling	5		Quaking Aspen	65	Log/Pole/Sap	10	66	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	5 - 10 feet	Sapling	Red Maple	Medium	5 - 10 feet	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																								
White Pine	25	Log/Pole/Sap	11																																									
Red Maple	10	Pole/Sapling	5																																									
Quaking Aspen	65	Log/Pole/Sap	10	66																																								
Sub-Canopy Species	Density	Avg. Height	Size																																									
White Pine	Low	5 - 10 feet	Sapling																																									
Red Maple	Medium	5 - 10 feet	Sapling																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
66	4122 - Oak, Pine	Sapling Poor	23.3	8	Immature	N/A	Red pine seedlings planted in the spring 2015. Been re-planted twice. The natural regeneration of oak and jack pine is very well. the red pine seedling mortality was high. With the high urban volume immediately adjacent, a release spray will not be done. A good mix to fully stocked will be reached without further replants though. Contains an old oil well plugged in 1985 that was planted through.																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>33</td> <td>Sapling</td> <td>1</td> <td>8</td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>67</td> <td>Sapling</td> <td>2</td> <td>8</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	33	Sapling	1	8	Black/Red (Hybrid) Oak	67	Sapling	2	8	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Seeding</td> </tr> </tbody> </table>				Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	< 5 feet	Seeding													
Canopy Species	% Cover	Size Class	DBH	Age																																						
Jack Pine	33	Sapling	1	8																																						
Black/Red (Hybrid) Oak	67	Sapling	2	8																																						
Sub-Canopy Species	Density	Avg. Height	Size																																							
Red Pine	Low	< 5 feet	Seeding																																							
67	6127 - Lowland Pine	Sawtimber Well	3.3	107	51-80	N/A	Wet white pine stand with thick understory of maple, balsam fir and some white pine. The outer edge smaller white pine in the pole size along with maple. So far it is thick enough the orvs have not gone mud bogging in it yet.																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>58</td> <td>Log/Pole/XLog</td> <td>16</td> <td>107</td> </tr> <tr> <td>Red Maple</td> <td>40</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>2</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	58	Log/Pole/XLog	16	107	Red Maple	40	Pole/Sapling	5		Black Spruce	2	Pole/Sapling	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>				Sub-Canopy Species	Density	Avg. Height	Size	White Pine	High	5 - 10 feet	Sapling	Red Maple	Medium	5 - 10 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																						
White Pine	58	Log/Pole/XLog	16	107																																						
Red Maple	40	Pole/Sapling	5																																							
Black Spruce	2	Pole/Sapling	5																																							
Sub-Canopy Species	Density	Avg. Height	Size																																							
White Pine	High	5 - 10 feet	Sapling																																							
Red Maple	Medium	5 - 10 feet	Sapling																																							
Balsam Fir	Low	5 - 10 feet	Sapling																																							
68	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	21.6	19	Immature	N/A	Final harvest done that has come back sparsely with jack pine, oak, and pin cherry coming in those areas. Where the aspen clones originally was came back well but has not spread out much from the parent clone.																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>35</td> <td>Sapling</td> <td>3</td> <td>19</td> </tr> <tr> <td>Pin Cherry</td> <td>15</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Black/Red (Hybrid) Oak</td> <td>22</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>28</td> <td>Sapling/Pole</td> <td>3</td> <td>19</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	35	Sapling	3	19	Pin Cherry	15	Sapling	2		Black/Red (Hybrid) Oak	22	Sapling	3		Quaking Aspen	28	Sapling/Pole	3	19															
Canopy Species	% Cover	Size Class	DBH	Age																																						
Jack Pine	35	Sapling	3	19																																						
Pin Cherry	15	Sapling	2																																							
Black/Red (Hybrid) Oak	22	Sapling	3																																							
Quaking Aspen	28	Sapling/Pole	3	19																																						
70	42200 - Natural White Pine	Sawtimber Well	6.4	82	81-110	N/A	A large pocket of white pine in the southeast corner that was left over from a past treatment of the surrounding stands.																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>83</td> <td>Log/XLog/Pole</td> <td>12</td> <td>82</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td>28</td> </tr> <tr> <td>Northern Pin Oak</td> <td>2</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	83	Log/XLog/Pole	12	82	Red Maple	15	Pole/Sapling	6	28	Northern Pin Oak	2	Pole/Sapling	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>				Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	5 - 10 feet	Sapling	White Pine	Medium	5 - 10 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																						
White Pine	83	Log/XLog/Pole	12	82																																						
Red Maple	15	Pole/Sapling	6	28																																						
Northern Pin Oak	2	Pole/Sapling	5																																							
Sub-Canopy Species	Density	Avg. Height	Size																																							
Red Maple	Medium	5 - 10 feet	Sapling																																							
White Pine	Medium	5 - 10 feet	Sapling																																							