



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71063

Entry Year: 2026

Acreage: 2,145

County: Roscommon

Management Area: High Sand Plains

Stand Examiner: Dakota Ewald

Legal Description:

T24N, R01W Sections 14, 23, 24, 25, and 36.

Identified Planning Goals:

To maintain species and structural diversity while managing the ecosystem for health, productivity, sustainability, and recreation within the compartment following the High Sands Plain Management Area plan.

Soil and topography:

Uplands consist of mostly Kellog and Geels sands along with Pinewood and Debolt sandy loams. Lowlands consist of Tawas-Lupton mucks. The topography is generally flat.

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

State land is intermixed with private ownership in the Northern half of the compartment. Private property has a mix of both forested and agricultural uses. The Southern portion of the compartment is solid state land, with the exception of a private 40 in the NE 1/4 of the NE 1/4 in section 36.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

There is a possible archeological hit within section 24.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

South Creek and several un-named intermittent drains flow through the north end of Section 36. The South branch of East Creek flows through section 14. Several unnamed drains and potholes are located in section 24. Bear Lake and several smaller potholes are located in the north end of section 25.

Wildlife Habitat Considerations:

Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, and turkeys, as well as other non-game species.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for metallic minerals in this part of the state. No known active sand/gravel operations exist in the area. There is very good potential for sand & gravel within the compartment, but there may be limited potential for development due to wetlands and a shallow water table. The best potential for development may be on the uplands in the NW/4 of Sec 25, but the compartment might be too far from populated areas (markets) for any potential sand & gravel to have much economic value beyond use by the county road commission or DNR for local road maintenance. The compartment coincides with the eastern edge of the St. Helen oil & gas field. The field is old, many wells have been plugged, no new wells have been permitted in the area in the last 40 years, and expansion of the field is unlikely. State-owned oil & gas rights within the compartment are currently leased and held by production units associated with the St. Helen Field. Potential for additional future oil & gas development within the compartment is considered low at this time. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Vehicle access throughout the compartment is good, with a few exceptions for the lower ground areas.

Survey Needs:

None needed at this time.

Recreational Facilities and Opportunities:

The compartment sees fairly heavy snowmobile/ORV use, with a portion of the Ogemaw Hills snowmobile trail running through the compartment. The Midland to Mackinaw hiking trail also runs through the compartment. There is also a good amount of traffic from hunters in the area.

Fire Protection:

Compartment is within the Zone 3 fire dispatch area, but cover types are mostly to hardwood. There are some jack pine and other conifer stands within this compartment, but they tend to be smaller and isolated. Access is generally good.

Additional Compartment Information:**The following reports from the Inventory are attached:**

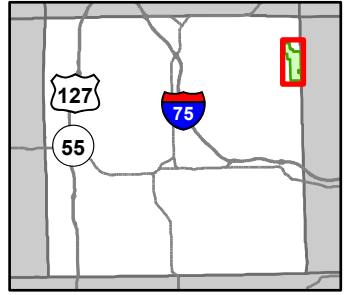
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

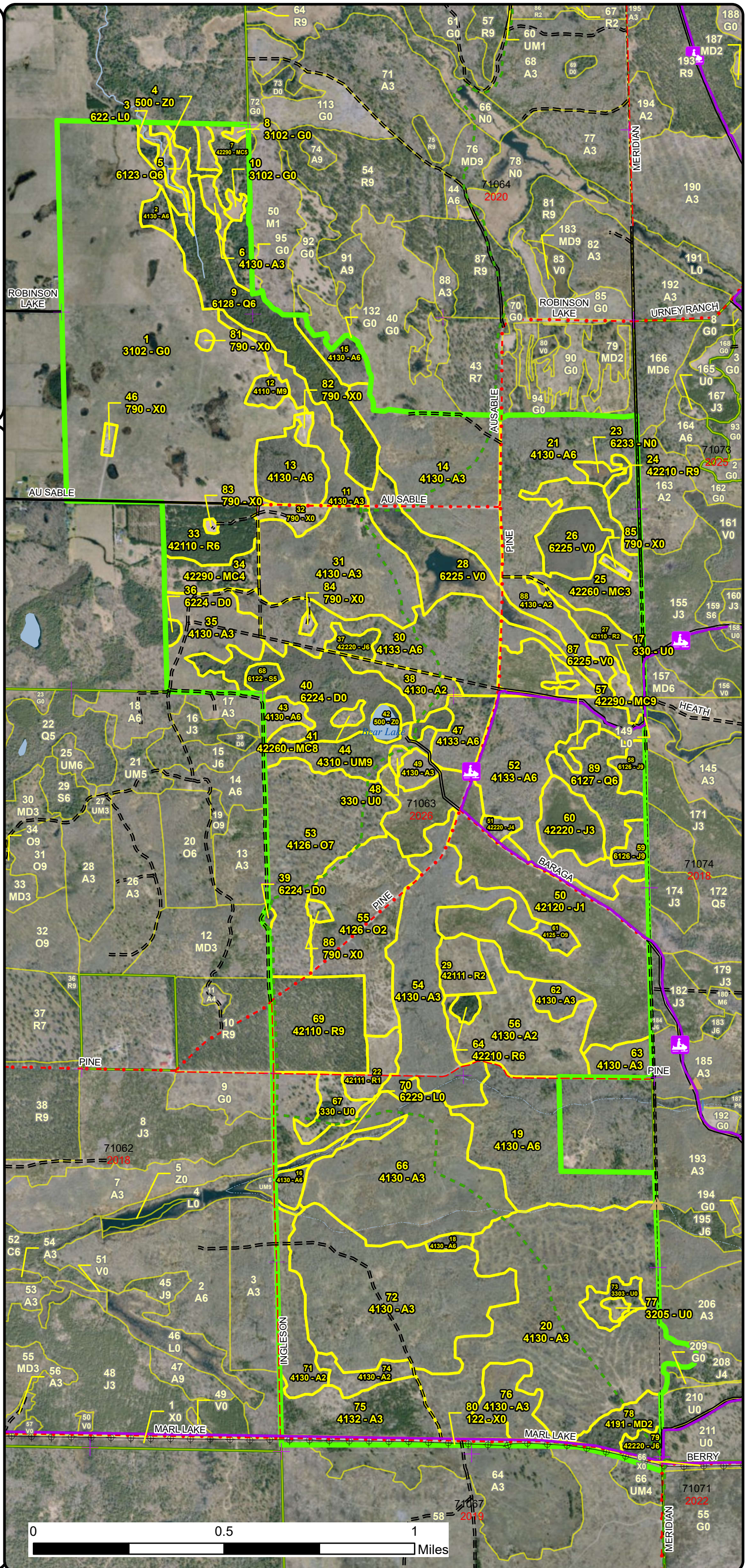
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Stand Boundary Map

Compartment: 71063
 T24N, R01W, Sec. 14, 23-25, 36
 T24N, R01E, Sec. 31
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: High Sand Plains
 YOE: 2026
 Acres: 2144.9 GIS Calculated
 Examiner: Dakota Ewald
 Map Revised: 10/3/2024
 Map Phase: Post Review

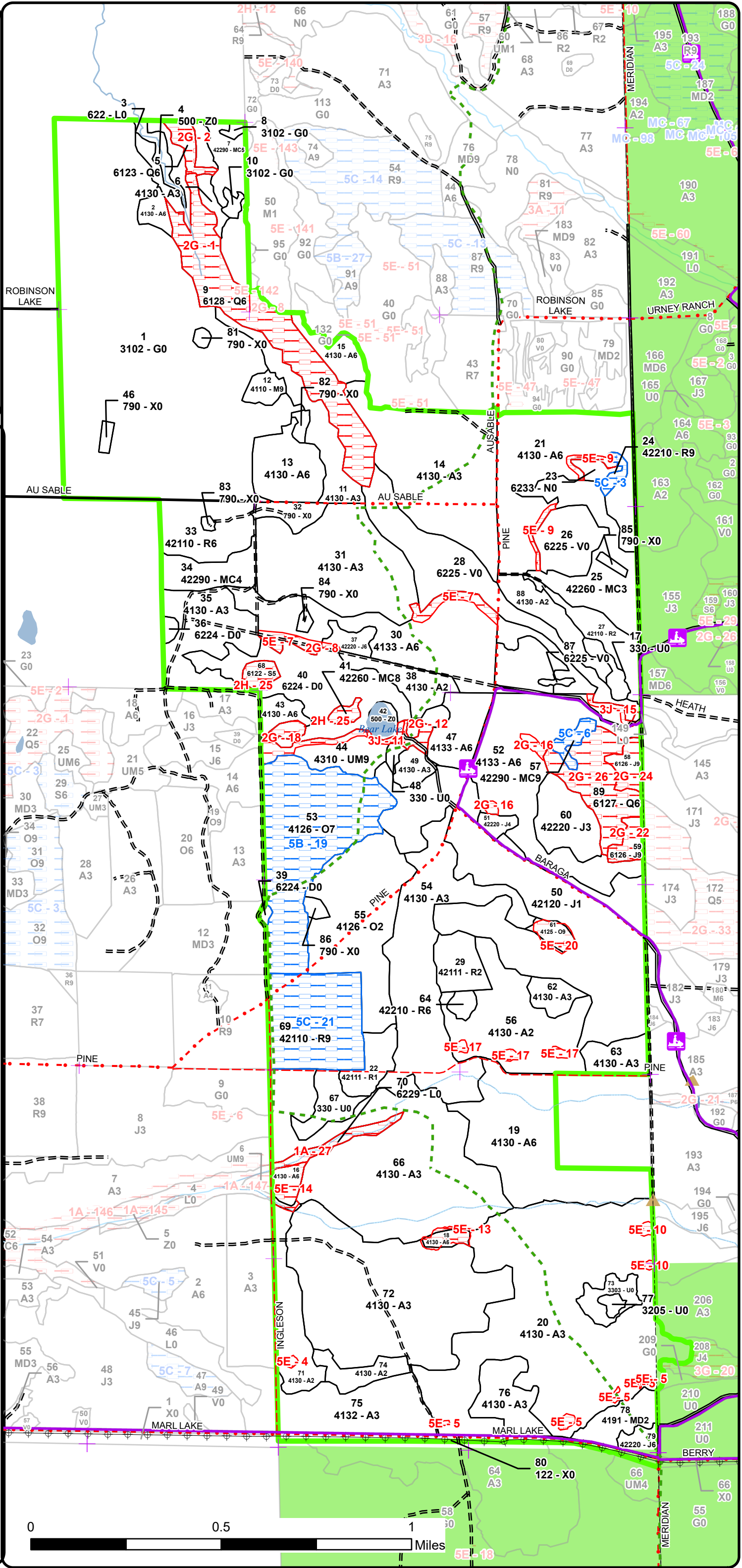
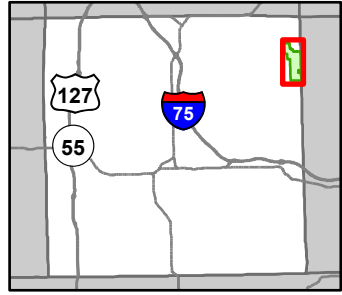


- Snowmobile Trails
- Designated Hiking Pathways
- Designated Snowmobile Trails
- Remonumented Section Corners
- Berms
- Culvert
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated

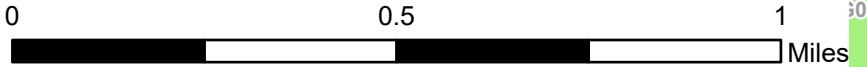


Special Conservation Areas & Site Conditions Map

Compartment: 71063
 T24N, R01W, Sec. 14, 23-25, 36
 T24N, R01E, Sec. 31
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- Snowmobile Trails
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- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1A: Federal/State/Local Law
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Available w/ Constraints
- Unavailable
- Stand Boundaries
- Stand Boundaries
- Kirtland Warbler Habitat
- Cold Water Streams



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+	Unseen-Aged	Total
Aspen	0	239	158	423	15	139	77	63	0	4	0	0	0	0	0	0	0	0	1117
Bare/Sparsely Vegetated	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Bog	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
Herbaceous Openland	254	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	254
Jack Pine	0	0	122	18	0	0	13	0	0	11	0	0	0	0	0	0	0	0	164
Low-Density Trees	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Lowland Conifers	0	0	0	0	0	0	23	5	0	50	0	0	0	0	0	0	0	0	78
Lowland Shrub	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4
Marsh	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Mixed Upland Deciduous	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Natural Mixed Pines	0	0	0	31	0	0	0	18	0	20	0	0	0	0	0	0	0	0	69
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
Oak	0	0	0	55	0	0	0	0	0	0	72	0	0	0	0	0	0	0	127
Red Pine	0	22	25	0	23	0	3	0	0	40	0	2	0	0	0	0	0	0	114
Treed Bog	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	21
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Water	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	436	261	305	527	49	139	116	86	4	125	98	2	0	0	0	0	0	0	2145



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 63
Total Compartment Acres: 2,145

Commercial Harvest - 279
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	237	0	0	0	0	0	0	0	0	237
Jack Pine	9	0	0	0	0	0	0	0	0	9
Red Pine	0	0	0	0	0	23	0	0	0	23
Upland Mixed Forest	0	0	0	0	11	0	0	0	0	11
Total	246	0	0	0	11	23	0	0	0	279

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	279	0	0	0	0	0	0	0	254	533
Next Step	0	0	0	0	251	0	257	0	254	761
Total	279	0	0	0	251	0	257	0	507	1293



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
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Approved Treatments:

1	71063001-NF	250.5	3102 - Grass	Nonstocked	Immature		NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Burn, mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 19. This large opening complex is currently managed as a grassland, with the goal of increasing native prairie tall grasses.</p> <p><u>Next Step Treatments:</u> Burn, Opening; NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
8	71063008.30_ NF	1.2	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field #6, west edge of field. Remaining east portion of this field is in compartment 64.</p> <p><u>Next Step Treatments:</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
10	71063010.29_ NF	1.8	3102 - Grass	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 7. The NW portion of the opening is in this compartment while the SE portion of the field is in compartment 64.</p> <p><u>Next Step Treatments:</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</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
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15	71063015-Cut	9.1	4130 - Aspen	Poletimber Well	59	111- 140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut, no retention due to size. Road will need to be built in from the existing road to the South. Add drumming log and brush pile specs.
Specs:

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

Acceptable Fully stocked aspen stand with a mix of other species.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

19	71063019-Cut	60.2	4130 - Aspen	Poletimber Well	59	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. Use retention to create an island that will help block the visual from the adjacent private property. Add drumming log spec.
Specs:

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

Acceptable Fully stocked aspen stand with a mix of other species
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

21	71063021-Cut	57.3	4130 - Aspen	Poletimber Well	48	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. Retention has already been removed from the treatment area and is focused around lowland stand to the South as a buffer. Leave any legacy white or red pine. Add drumming log and brush pile specs.
Specs:

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

Acceptable Fully stocked Aspen stand with a mix of other species
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

30	71063030-Cut	50.6	4133 - Aspen, Mixed Pine	Poletimber Well	47	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. Retention has already been established as buffers lowland edges. add drumming log and brush pile specs.
Specs:

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

Acceptable Fully stocked aspen stand with a mix of other species.
Regen:

Other Cut with stand 37
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



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
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33	71063033-Cut	22.5	42110 - Planted Red Pine	Poletimber Well	30	171- 200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription First time thinning. Leave two rows and take one row. Mark ends of rows and periodically along the rows if they are difficult to distinguish.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

37	71063037-Cut	4.7	42220 - Natural Jack Pine	Poletimber Well	50	81-110	Harvest	Clearcut	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	No
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Prescription Clearcut, no retention due to size. Cut with surrounding aspen stand and expect some aspen to creep in and take over.
Specs:

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

Acceptable Jack pine and aspen with a mix of oak that meets full to moderate stocking.
Regen:

Other Buffer for wetland stand to the South has already been removed from the treatment area.
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

44	71063044-Cut	10.8	4310 - Pine, Oak Mix Sawtimber	Poletimber Well	90	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Shelterwood with a target of 50 to 70 BA left. Focus on removing older jack pine and oak that are starting to decline, along with other species
Specs: where needed to reach desired BA. Goal is to open up the canopy to favor the existing white pine and oak advanced regeneration. Leave any legacy white pine 26" and up.

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

Acceptable Moderate to fully stocked upland mixed forest consisting of a mix of white pine, oak, red maple, and other species.
Regen:

Other Add den tree and regen/residual protection specs.
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

52	71063052-Cut	59.6	4133 - Aspen, Mixed Pine	Poletimber Well	60	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. Wet areas were left out when establishing the treatment boundary. Focus retention around any interior wet areas or
Specs: pockets of mature pine. Add drumming log and brush pile specs. Add trail specs.

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

Acceptable Fully stocked stand of Aspen with a mix of deciduous and pine species.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
79 71063079-Cut	4.4	42220 - Natural Jack Pine	Poletimber Well	51	81-110	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut, no retention due to small size. Cut everything 2 inches and up. Protect existing advanced Oak regeneration. Add trail specs. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderate to fully stocked upland mixed stand with a combination of Jack pine, Aspen, and oak</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										

Total Treatment Acreage Proposed: 532.7

**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 Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



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
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
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	3102 - Grass	Nonstocked	250.5		Immature	Managed Opening	Wildlife opening maintained through mowing and burning. RX burn FTP# W-71-654 & W-71-655																																											
2	4130 - Aspen	Poletimber Well	4.4	87	1-50	N/A	Small stand of aspen. Small pocket of hemlock in NW corner. A few hard maple present. More balsam fir to the east along the swamp edge. A few lower swail holes scattered throughout the 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 Maple</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>70</td> <td>Pole</td> <td>8</td> <td>87</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td>87</td> </tr> <tr> <td>Hemlock</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	15	Log/Pole	10		Balsam Fir	5	Pole	6		Quaking Aspen	70	Pole	8	87	Bigtooth Aspen	5	Log/Pole	10	87	Hemlock	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>Balsam Fir</td> <td>Low</td> <td>< 5 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	Balsam Fir	Low	< 5 feet	Sapling	Red Maple	Low	5 - 10 feet	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																														
Red Maple	15	Log/Pole	10																																															
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Balsam Fir	Low	< 5 feet	Sapling																																															
Red Maple	Low	5 - 10 feet	Sapling																																															
3	622 - Lowland Shrub	Nonstocked	9.4		Immature	No	Lowland stand of tag alder with a few pockets of larger conifers including red pine, hemlock, and tamarack.																																											
4	500 - Water	Nonstocked	4.4		Unspecified	No	Small creek running through low grass and shrubs.																																											
5	6123 - Lowland Fir	Poletimber Well	4.7	68	81-110	N/A	Pole sized balsam fir with a mix of other conifers. Stand is mostly low ground with a few high humps scattered throughout.																																											
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6	4130 - Aspen	Sapling Well	6.5	21	Immature	N/A	Thin strip of young aspen along lowland conifer swamp edge. Low conifer drainage cuts stand in half.																																											
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7	42290 - Natural Mixed Pine	Poletimber Medium	17.6	61	51-80	N/A	Variable stand dominated by white pine and jack pine. There is a mix of open areas spread throughout the stand bringing the average BA down. There is also a few xlog hard maple scattered throughout the southern part of the stand.																																											
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8	3102 - Grass	Nonstocked	1.2		Unspecified	Managed Opening	Grassy opening maintained by wildlife division																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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9	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	50.1	81	81-110	N/A	Balsam fir swale mixed with various hardwoods scattered throughout. A few hemlock present.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	45	Pole/Log/Sap	8	81
Balsam Poplar	2	Pole/Log	8	
Black Ash	2	Pole	8	
Paper Birch	2	Pole	6	
Tamarack	4	Pole/Log	8	
Northern White Cedar	30	Log/Pole	10	
Red Maple	5	Pole	8	
Quaking Aspen	10	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
Tag Alder	High	Variable	Tall Shrub

10	3102 - Grass	Nonstocked	1.8		Immature	Managed Opening	Grassy field maintained by wildlife division
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11	4130 - Aspen	Sapling Well	20.0	21	Immature	N/A	Young aspen stand with a small mix of other species
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	6	Sapling	1	21
Pin Cherry	2	Sapling	1	21
Black/Red (Hybrid) Oak	2	Sapling	1	21
Quaking Aspen	90	Sapling	1	21

12	4110 - Sugar Maple Association	Sawtimber Well	4.6	97	81-110	N/A	Nice little hardwood stand dominated by hard maple. Little understory.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	88	Log/Pole	10	97
Basswood	12	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
White Ash	Low	< 5 feet	Sapling
Beech	Low	5 - 10 feet	Sapling

13	4130 - Aspen	Poletimber Well	19.7	46	81-110	N/A	Pole sized Aspen stand with a small inclusion of red pine.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	2	Pole/Log	8	
Quaking Aspen	73	Pole	7	46
Bigtooth Aspen	25	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Medium	< 5 feet	Sapling

14	4130 - Aspen	Sapling Well	68.5	21	Immature	N/A	Thick aspen stand with some oak and cherry mixed in.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	86	Sapling	3	21
Bigtooth Aspen	10	Sapling	3	21
Black/Red (Hybrid) Oak	2	Sapling	1	21
Pin Cherry	2	Sapling	1	21

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
15	4130 - Aspen	Poletimber Well	9.1	59	111-140	N/A	Mixed aspen stand with some balsam fir.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		60	Pole/Log	9	59	Pin Cherry	
Balsam Fir		5	Pole/Log	8		Red Maple	
Bigtooth Aspen		35	Pole/Log	9		Balsam Fir	
						Beech	
						Density	
						Avg. Height	
						Size	
16	4130 - Aspen	Poletimber Well	4.5	59	Unspecified	N/A	This stand is a long and skinny stand which was left as a buffer for the 1997 cut to the east and ranges from A6 to A9, stand was left for retention on cut to the south
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		5	Log	16		Red Maple	
Jack Pine		10	Pole/Log	9		Black/Red (Hybrid) Oak	
Red Pine		5	Log/Pole	12		Pin Cherry	
Red Maple		15	Pole/Log	8	59		
Quaking Aspen		65	Pole/Log	9	59		
						Density	
						Avg. Height	
						Size	
18	4130 - Aspen	Poletimber Well	2.8	59	81-110	N/A	left as retention when stand to the SW was cut in Spring, 2017
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		15	Pole	6	59	Pin Cherry	
Black/Red (Hybrid) Oak		10	Log	15		Red Maple	
Quaking Aspen		60	Pole/Log	8	59	Black/Red (Hybrid) Oak	
Jack Pine		10	Pole/Log	8			
Red Pine		5	Log	14			
						Density	
						Avg. Height	
						Size	
19	4130 - Aspen	Poletimber Well	60.2	59	81-110	N/A	Mature aspen stand with a mix of jack pine, oak and scattered red pine
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		10	Log	15		Black/Red (Hybrid) Oak	
Red Pine		5	Log	14		Red Maple	
Quaking Aspen		60	Pole	7	59	Pin Cherry	
Jack Pine		10	Pole/Log	8			
Red Maple		15	Pole	6	59		
						Density	
						Avg. Height	
						Size	
20	4130 - Aspen	Sapling Well	163.1	8	Immature	N/A	Cut in spring 2017, left scattered oak SL's and numerous retention islands.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		10	Sapling	1		Red Maple	
Red Maple		20	Sapling	1	8	Pin Cherry	
Black/Red (Hybrid) Oak		5	Log	15		Black/Red (Hybrid) Oak	
Red Pine		5	Log	14			
Quaking Aspen		60	Sapling	1	8		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
21	4130 - Aspen	Poletimber Well	60.5	48	111-140	N/A	Quaking aspen stand mixed with red maple. Some red and white pine supercanopy trees found scattered and in groups. Some hypoxylon, look at harvesting next entry.																																					
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22	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	10.0	6	Immature	N/A	Stand appears to be doing well, red pine is about 3 feet tall and oak is about 4 to 5 feet tall. Old Comment: Trenched spring/summer 2018. Planted to red pine in 2019. First year check found pine doing good mixed with natural regeneration,																																					
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23	6233 - Wet Meadow	Nonstocked	2.9		Unspecified	No	"Haymarsh"																																					
24	42210 - Natural Red Pine	Sawtimber Well	2.4	105	201+	N/A	Small natural red pine stand that is log to xlog sized. There is also some white pine and aspen mixed in.																																					
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25	42260 - Natural Pine, Mixed Deciduous	Sapling Well	31.2	28	Immature	N/A	High water table. Mix of natural jack pine, red maple and oak. Some black spruce in the understory along the wetland edge																																					
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26	6225 - Bog	Nonstocked	16.5		Unspecified	No																																						
27	42110 - Planted Red Pine	Sapling Medium	25.4	12	Immature	N/A	Planted to red pine in 2012. Red maple and oak regen are filling it pretty heavy just beneath the red pine. Multiple areas that were planted failed and are either open or are dominated by oak and red maple.																																					
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28	6225 - Bog	Nonstocked	39.5		Unspecified	No	Drainage into east creek.																																					



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29	42111 - Planted Red Pine, Mixed Deciduous	Sapling Medium	11.6	6	Immature	N/A	Planted Red pine regen that is doing pretty well. Some small pockets having been taken over by oak and it is mixed in throughout as well. Red pine is about knee high and oak is a bit taller. Old Comment: trenched spring/summer 2018. Planted to red pine in 2019. First year check found pine doing good mixed with natural regeneration,																																													
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30	4133 - Aspen, Mixed Pine	Poletimber Well	58.3	47	51-80	N/A	Quaking aspen stand with scattered pine. Heavy cherry understory. Strip of natural red and white pine along NE swamp edge.																																													
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31	4130 - Aspen	Sapling Well	59.9	21	Immature	N/A	Young stand of quaking aspen mixed with some scattered open areas dominated by oak and cherry																																													
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32	790 - Other Bare/Sparsely Vegetated	Nonstocked	6.3		Unspecified		oil & gas infrastructure																																													
33	42110 - Planted Red Pine	Poletimber Well	22.5	30	171-200	N/A	Red pine plantation that is mostly pole-sized, some natural jack pine and cherry mixed in.																																													
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34	42290 - Natural Mixed Pine	Poletimber Poor	13.7	89	1-50	N/A																																														
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35	4130 - Aspen	Sapling Well	30.6	21	Immature	N/A	Thick stand of quaking aspen mixed with oak and cherry that is just starting to come into the pole size class																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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36 6224 - Treed Bog Nonstocked 1.6 Unspecified No Small spruce bog

37 42220 - Natural Jack Pine Poletimber Well 5.1 50 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	75	Pole	6	50	Pin Cherry	Medium	< 5 feet	Sapling
Quaking Aspen	18	Pole	6		Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
White Pine	7	Log/Pole	10					

38 4130 - Aspen Sapling Medium 12.3 21 Immature N/A Mix of aspen oak and cherry. Some jack pine on west end.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	1	21
Quaking Aspen	60	Sapling	1	21
Black/Red (Hybrid) Oak	15	Sapling	1	21
Pin Cherry	15	Sapling	1	21
Jack Pine	5	Sapling	1	21

39 6224 - Treed Bog Nonstocked 0.8 0 Unspecified No Small depression with water and trees on the edges

40 6224 - Treed Bog Nonstocked 43.5 Unspecified No

41 42260 - Natural Pine, Mixed Deciduous Sawtimber Medium 2.2 80 51-80 N/A

Small island of higher ground in the middle of a spruce bog. Stand is a mix of pine and deciduous species. No access to stand for a harvest

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Log/Pole	10		White Pine	Low	Variable	Sapling
Jack Pine	55	Log/Pole	10	80	Black Spruce	Low	Variable	Sapling
Black/Red (Hybrid) Oak	15	Log	12					
Quaking Aspen	10	Pole	7					
White Pine	15	Log	12					

42 500 - Water Nonstocked 4.1 Unspecified No Bear Lake

43 4130 - Aspen Poletimber Well 5.7 26 1-50 N/A

Young aspen stand that was cut 1997. Stand is mostly pole to sapling sized

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	4	Sapling/Pole	3		Red Maple	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	10	Sapling/Pole	3	26	Black Cherry	Medium	5 - 10 feet	Sapling
Quaking Aspen	76	Pole/Sapling	5	26	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Red Maple	10	Sapling/Pole	3	26				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
44	4310 - Pine, Oak Mix	Sawtimber Well	21.1	90	81-110	N/A	Variable stand that has areas dominated by hybrid oak and some by jack pine, with white pine scattered throughout. There are also multiple low wet potholes scattered throughout.																																							
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47	4133 - Aspen, Mixed Pine	Poletimber Well	14.8	36	81-110	N/A	Variable stand of mostly Quaking Aspen with a mix of hybrid oak and jack pine. There are also some larger white pine scattered across the stand																																							
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48	330 - Low-Density Trees	Nonstocked	1.5		Unspecified	No	Most open stand with scattered Jack pine, hybrid oak, and cherry.																																							
49	4130 - Aspen	Sapling Well	5.2	26	Immature	N/A	Young aspen stand that was cut in 1997.																																							
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Quaking Aspen	75	Sapling	2	26																																										
50	42120 - Planted Jack Pine	Sapling Poor	122.2	14	Immature	N/A	Clearcut in 2008 and planted to jack pine in 2010. Stand is fully stocked with jack pine and has a decent component of hybrid oak																																							
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51	42220 - Natural Jack Pine	Poletimber Poor	3.1	55	51-80	N/A	Small, fairly open Jack pine stand with a small campsite area within.																																							
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52	4133 - Aspen, Mixed Pine	Poletimber Well	63.2	60	81-110	N/A	Stand of Aspen mixed with a collection of other species. Multiple lower wet pockets scattered throughout the stand.																																																																	
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53	4126 - White, Black, N. Pin Oak	Sawtimber Poor	67.7	95	1-50	N/A	Regen is doing pretty well in most areas of the stand. Some areas are heavier to oak and some are heavier to red maple. Old Comment: Seed Tree cut in late summer 2019 by removing all trees to 4" spec except green marked oaks and red/white pine, residual was 20 BA of black and white oaks.																																																																	
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54	4130 - Aspen	Sapling Well	69.7	26	Immature	N/A	Young aspen stand cut in 1997, left scattered pole/SL size oak.																																																																	
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55	4126 - White, Black, N. Pin Oak	Sapling Medium	55.2	26	Immature	N/A	Cut in 1997, mostly sparse oak, with red maple, jack pine, and pin cherry mixed in. There are also some pockets of aspen scattered throughout.																																																																	
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56	4130 - Aspen	Sapling Medium	46.2	8	Immature	N/A	Young aspen stand with a mix of other deciduous and pine species.																																																																	
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57	42290 - Natural Mixed Pine	Sawtimber Well	3.6	89	141-170	N/A	Mixed pine island in the middle of an Aspen stand. Stand is log sized with a well developed understory of red maple																																															
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58	6126 - Lowland Jack Pine	Sawtimber Well	5.8	89	81-110	N/A	Mature jack pine with some xlog white and red pine. Stand is on seasonally wet ground. A harvest was attempted in the past but the stand never dried out enough for it to occur. Leave stand and allow it to transition into the well developed white pine understory that is present.																																															
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59	6126 - Lowland Jack Pine	Sawtimber Well	4.9	89	81-110	N/A	Mature jack pine stand where some mortality is occurring. Stand is on a bit of hummocky ground with adjacent lower ground.																																															
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60	42220 - Natural Jack Pine	Sapling Well	17.5	26	Immature	N/A	Jack pine cut in 1997, appears to be natural jack pine regeneration. Ground is somewhat low and hummocky, could be wet at times.																																															
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61	4125 - Black, N. Pin Oak	Sawtimber Well	4.0	95	51-80	N/A	Stand was left as retention when surrounding oak/JP/aspen stand was cut in 2008. Stand is mainly oak logs to xlogs with s mix of aspen and red maple.																																															
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63	4130 - Aspen	Sapling Well	9.7	15	Immature	N/A	Young aspen cut in 2008 with adjacent jack pine stand to the north but came back to aspen, so it was not planted to jack pine. There is also a small inclusion of white pine in the southeast corner.																																			
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64	42210 - Natural Red Pine	Poletimber Well	2.8	58	111-140	N/A	Small island of natural red pine left for diversity when surrounding stand was cut in 2017																																			
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66	4130 - Aspen	Sapling Well	110.7	16	Immature	N/A	Young aspen stand that was cut in 2007, scattered conifers were left. Wet drainage runs through north and south part of stand.																																			
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67	330 - Low-Density Trees	Nonstocked	9.8	0	Unspecified	No	low density trees/upland shrub, scattered areas heavy to conifers																																			
68	6122 - Black Spruce	Poletimber Medium	3.6	70	1-50	N/A	Black spruce bog																																			
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69	42110 - Planted Red Pine	Sawtimber Well	40.0	86	81-110	N/A	Log sized red pine plantation with a fairly well-developed understory with a heavy component of oak and red maple.																																								
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70	6229 - Mixed lowland shrub	Nonstocked	6.0		Unspecified	No	lowland shrub with scattered aspen																																								
71	4130 - Aspen	Sapling Medium	21.4	8	Immature	N/A	Young aspen stand with a mix of oak and red maple.																																								
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72	4130 - Aspen	Sapling Well	105.4	26	Immature	N/A	asepn stand regenerated in 1997, stand has a few scatered larger conifers and hardwoods and some large areas of upland brush/"G" types																																								
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73	3303 - Mixed Low Density Trees	Nonstocked	7.3		Unspecified	No	low density aspen and jack pine poles scattered within upland brush																																								
74	4130 - Aspen	Sapling Medium	8.8	8	Immature	N/A	Young aspen stand cut in Spring 2017																																								
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75	4132 - Aspen, Jack Pine	Sapling Well	32.7	26	Immature	N/A	Jack pine and aspen stand cut in 1997. Some areas heavier to Aspen and some Jack pine																																								
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76	4130 - Aspen	Sapling Well	16.5	16	Immature	N/A	cut in 2007 and regenerated well to mix of aspen/oak																																				
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77	3205 - Mixed Upland Shrub	Nonstocked	1.8		Unspecified	No	upland shrub with a few scattered trees																																				
78	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	11.4	36	1-50	N/A	Mixed upland where a few spots are heavy to jack pine and the rest is hardwood saplings or brushy areas, appears to have been cut in the mid 1980's and is not quite pole size																																				
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79	42220 - Natural Jack Pine	Poletimber Well	4.4	51	81-110	N/A	Mostly pole sized Jack pine stand with some deciduous species mixed in. Starting to see some mortality in the Jack pine																																				
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80	122 - Road/Parking Lot	Nonstocked	11.3		Immature	No	Marl Lake Road/Powerline ROW																																				