

Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71070

Entry Year: 2027

Acreage: 3,271

County: Ogemaw

Management Area: High Sand Plains

Stand Examiner: Avery Sanborn

Legal Description:

T23N R01E Sections 16, 17, 18, 19, 20, 21, 28, 29, 30, 33. T23N R01W Sections 13, 23, 24, 25.

Identified Planning Goals:

Maintain current cover types, balance stocking for sustained yield and healthy stands. Provide habitat for Kirtland warbler as per the KW Management Plan.

Soil and topography:

Flat to rolling terrain, with a lower swampy areas along the northwest side. 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:

Mainly state, with a private subdivided parcel (Dillon Plat) in the center of the compartment.

Unique Natural Features:

The conservation area reviewer suggests possible *Opuntia fragilis* just to the east of the compartment, possible *Festuca altaica* on the west side of the compartment near St. Helen, and possible *Prunus umbellata* to the northeast of the compartment.

Archeological, Historical, and Cultural Features:

None recorded or identified during field work. Possible abandoned homesteads or other old buildings that no longer exist associated with the railroad.

Special Management Designations or Considerations:

Compartment is within a Kirtland warbler management zone.

Watershed and Fisheries Considerations:

None noted.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Sections 8, 16-21, 28-30, & 33, T23N R1E, Ogemaw County and sections 13 & 23-25, T23N R1W, Roscommon County. No known potential exists for economic deposits of metallic minerals in this part of the state. No known active sand/gravel operations exist within four miles. Potential for development of sand & gravel within the compartment appears to be relatively limited, both in terms of resource potential and land use restrictions related to Kirtland's warbler habitat management. The nearest hydrocarbon production, past or present, is more than two miles southeast. State oil & gas leases in the compartment expired earlier this year, and parcels have been leased repeatedly over the last 30 years, suggested that a known target may exist. However, there has been no well permitting activity in the area over that period, so the prospect, if one exists, may not be economical to develop at this time due to commodity prices, access, and/or other factors. 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:

All portions can be accessed easily.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

This compartment is used for snowmobiling, bird watching and hunting pursuits. Designated snowmobile trail 6-9 bisects the

compartment and occurs along Saga Road. Utilize forest management practices to curtail further damage by off road vehicle use and other trespasses issues. If harvest activities occur during the snowmobile season of December 1 thru March 31 a snow bed must be preserved on Designated Snowmobile Trails. Ensure logging activity does not obliterate the designated trails by limiting the number of crossings. All stumps within 20 feet of the trail shall be Flush-Cut to ensure stumps do not result in unsafe conditions. Assure 'logging ahead' warning signs are placed on the designated trails and snowmobile trails during logging activity.

Fire Protection:

This compartment consists of very volatile fuels, primarily planted jack pine for Kirtland's Warbler. Access should not be problematic with section roads present without.

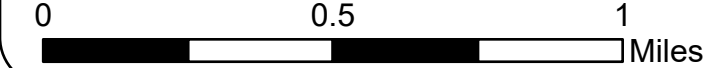
Additional Compartment Information:

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**



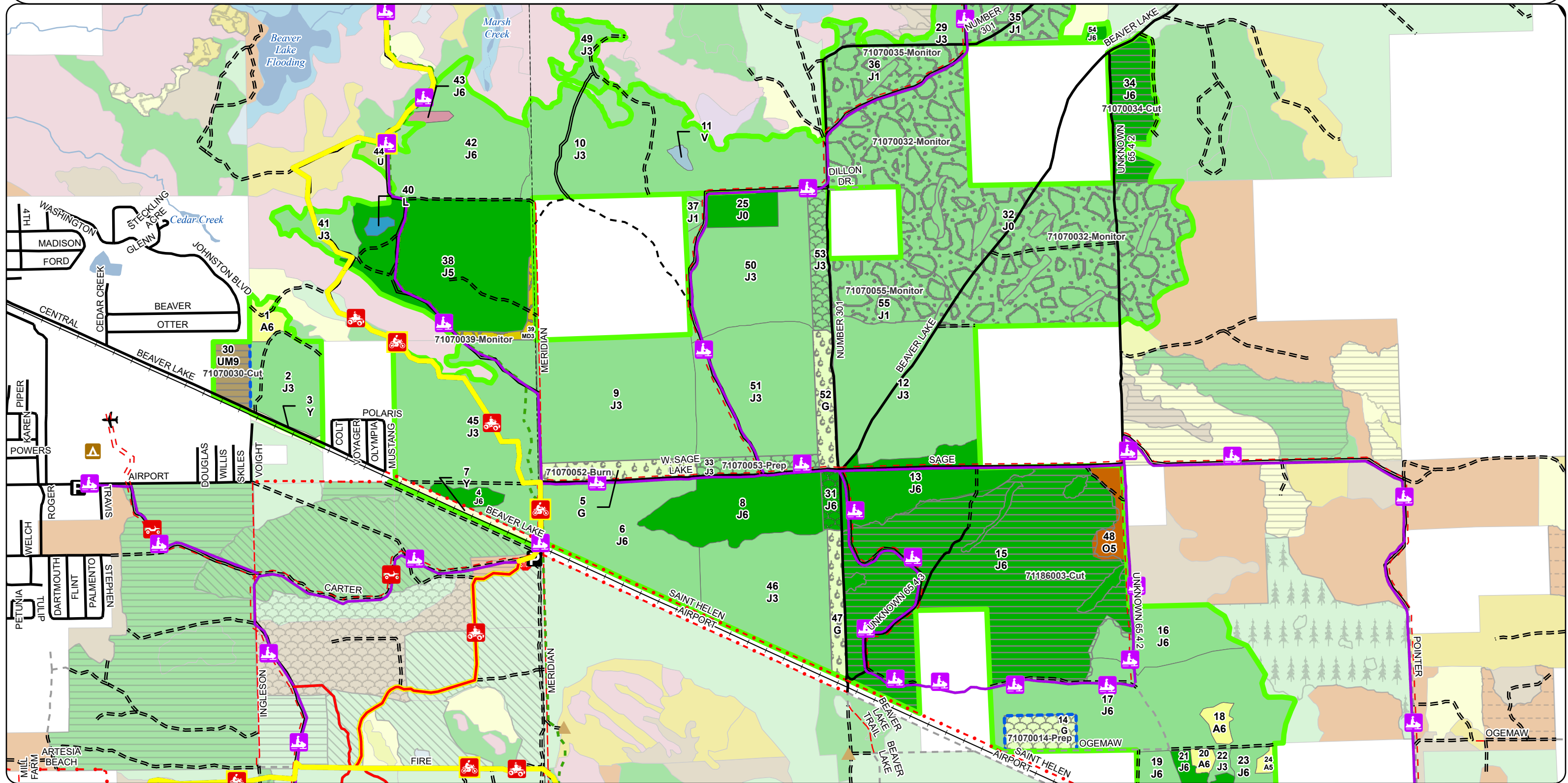
-  Airport
-  Berms
-  Campground
-  Parking Lot
-  Sign
-  Designated Hiking Pathways
-  Designated ORV Routes
-  Designated Snowmobile Trails

- Designated ATV Trails
- Designated MCCCT Trails
- == 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
-  Intermittent Stream
-  Perennial River
-  Lakes and Rivers
-  Counties
-  Compartment Boundary
-  Clearcut

-  Site Prep
-  Prescribed Burn
-  Monitoring - Regeneration
-  Treatments with Site Conditions
-  412 - Oak Types
-  413 - Aspen
-  419 - Mixed Upland Deciduous
-  421 - Planted Pines

- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 629 - Mixed non-forested Wetland
- 710 - Sand, Soil



Cover Type & Treatments Map

Compartment: 71070
T22N, R02W, Sec. 20-25
County: Ogemaw
Unit: Roscommon
Mgmt. Area: High Sand Plains
YOE: 2027
Acres: 3,271 GIS Calculated
Examiner: Avery Sanborn
Date Exported: 09/30/2025
Map Phase: Post Review



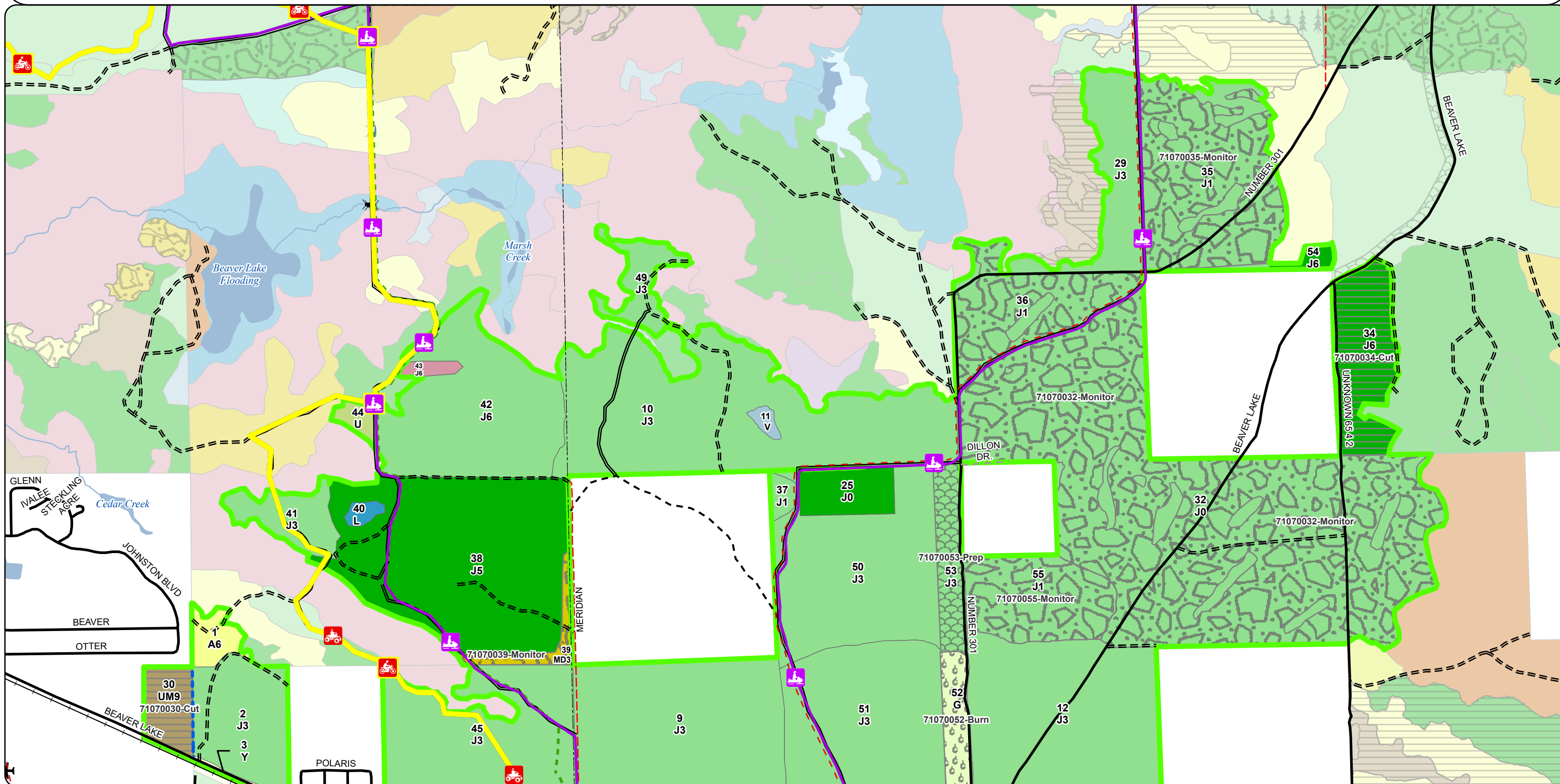
0 0.5 1 Miles

- Airport
- Bridges
- Culvert
- Designated Hiking Pathways
- Designated ORV Routes
- Designated Snowmobile Trails
- Designated MCCCT Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route

- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
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- Private - Dirt / Gravel Road
- Active Railroads
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties

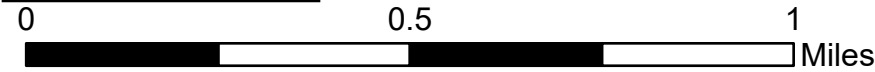
- Compartment Boundary
- Clearcut
- Site Prep
- Prescribed Burn
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- 413 - Aspen
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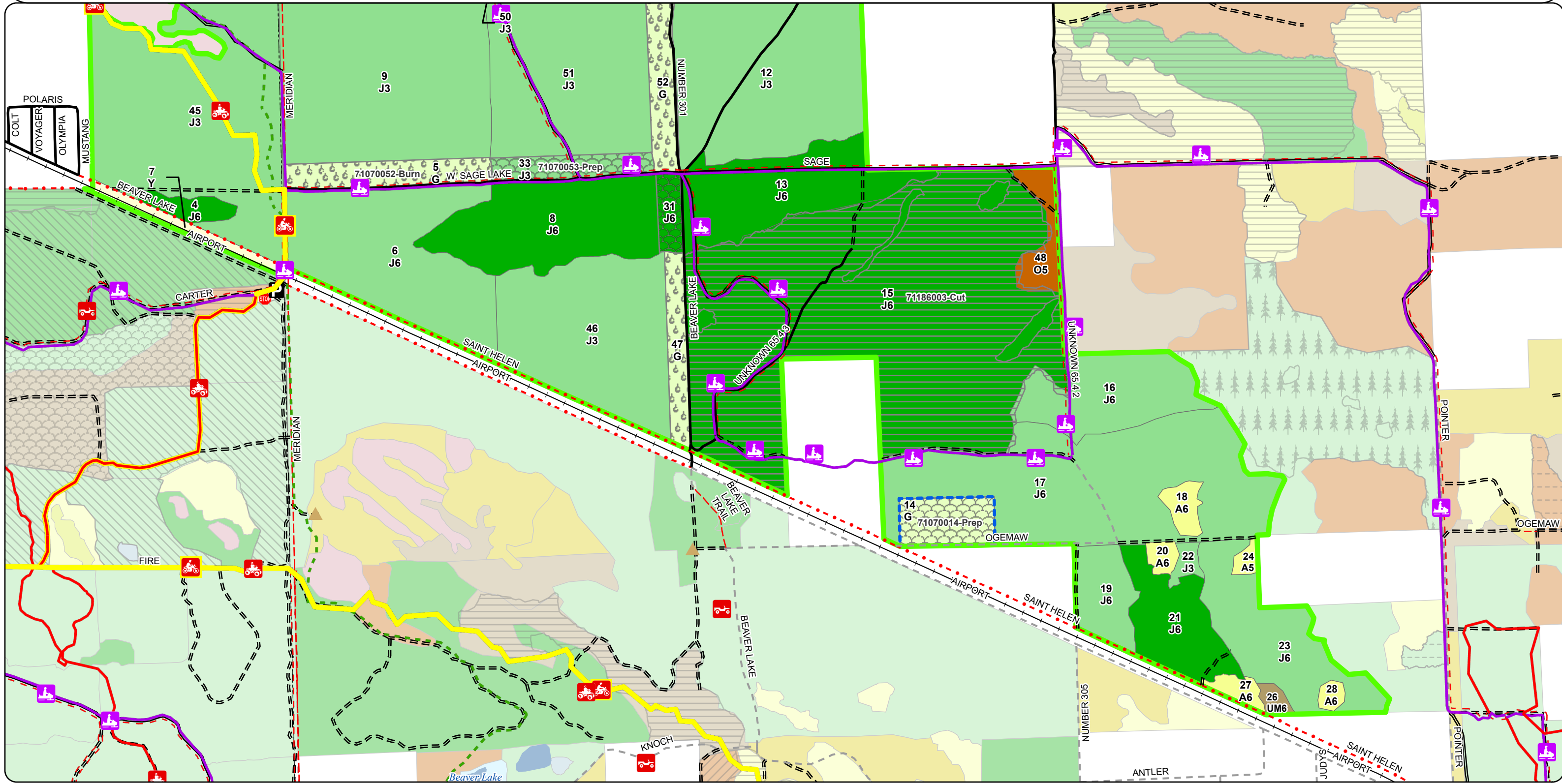


- Berms
- Parking Lot
- Sign
- Designated Hiking Pathways
- Designated ORV Routes
- Designated Snowmobile Trails
- Designated ATV Trails
- Designated MCCCT Trails

- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Active Railroads

- Lakes and Rivers
- Counties
- Compartment Boundary
- Clearcut
- Site Prep
- Prescribed Burn
- Treatments with Site Conditions
- 412 - Oak Types








- 413 - Aspen
- 421 - Planted Pines
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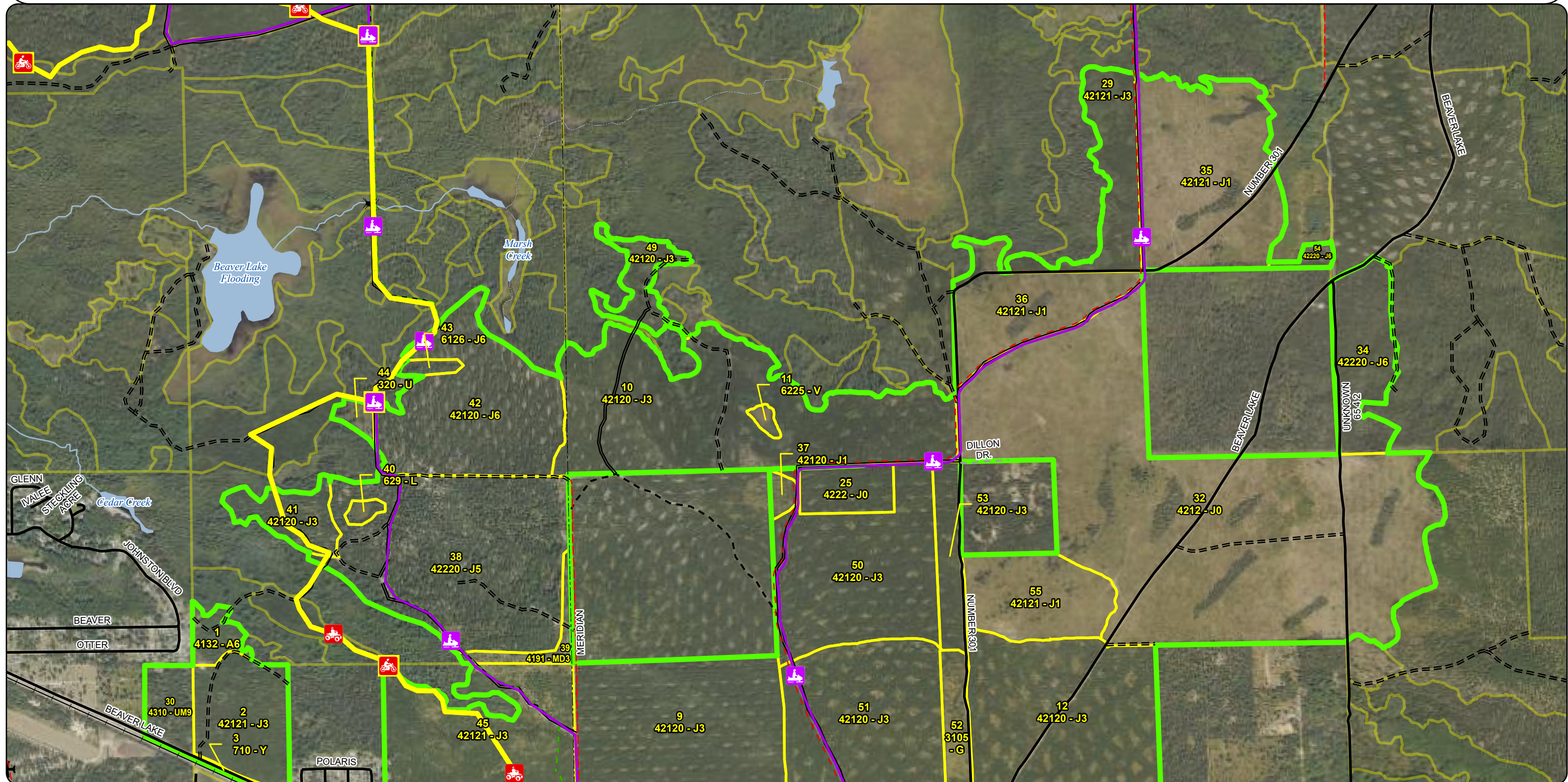
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Miles

-  Airport
-  Bridges
-  Culvert
-  Designated Hiking Pathways
-  Designated ORV Routes
-  Designated Snowmobile Trails
-  Designated MCCCT Trails

-  Perennial River
 Lakes and Rivers
 Counties
 Compartment Boundary

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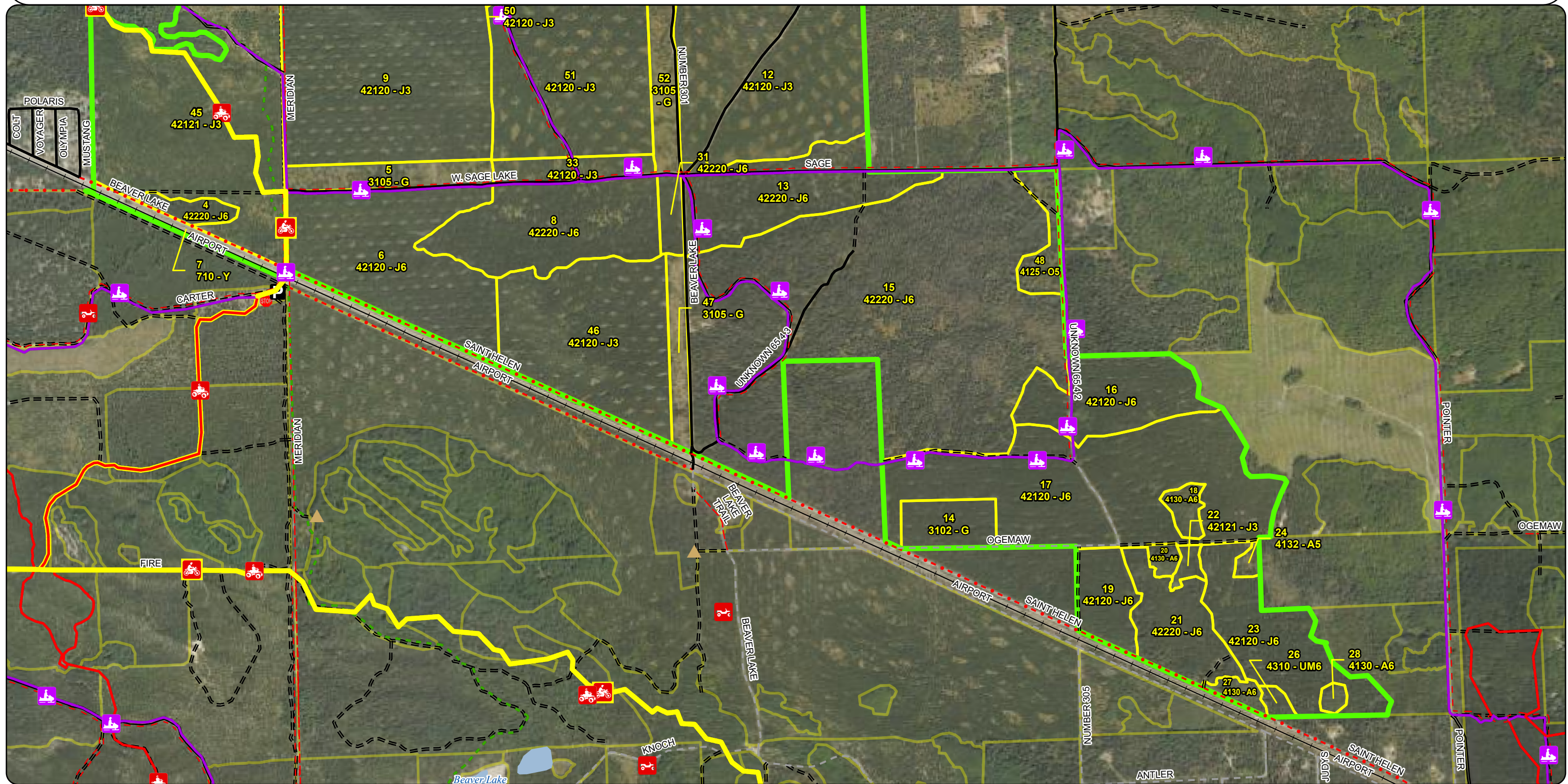
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













-  Designated MCCCT Trails
 DNR - Secondary Forest Road
 DNR - Forest Access Route
 Federal / State / County - Paved Road
 County - Gravel Road
 County - Dirt Road (Seasonal)

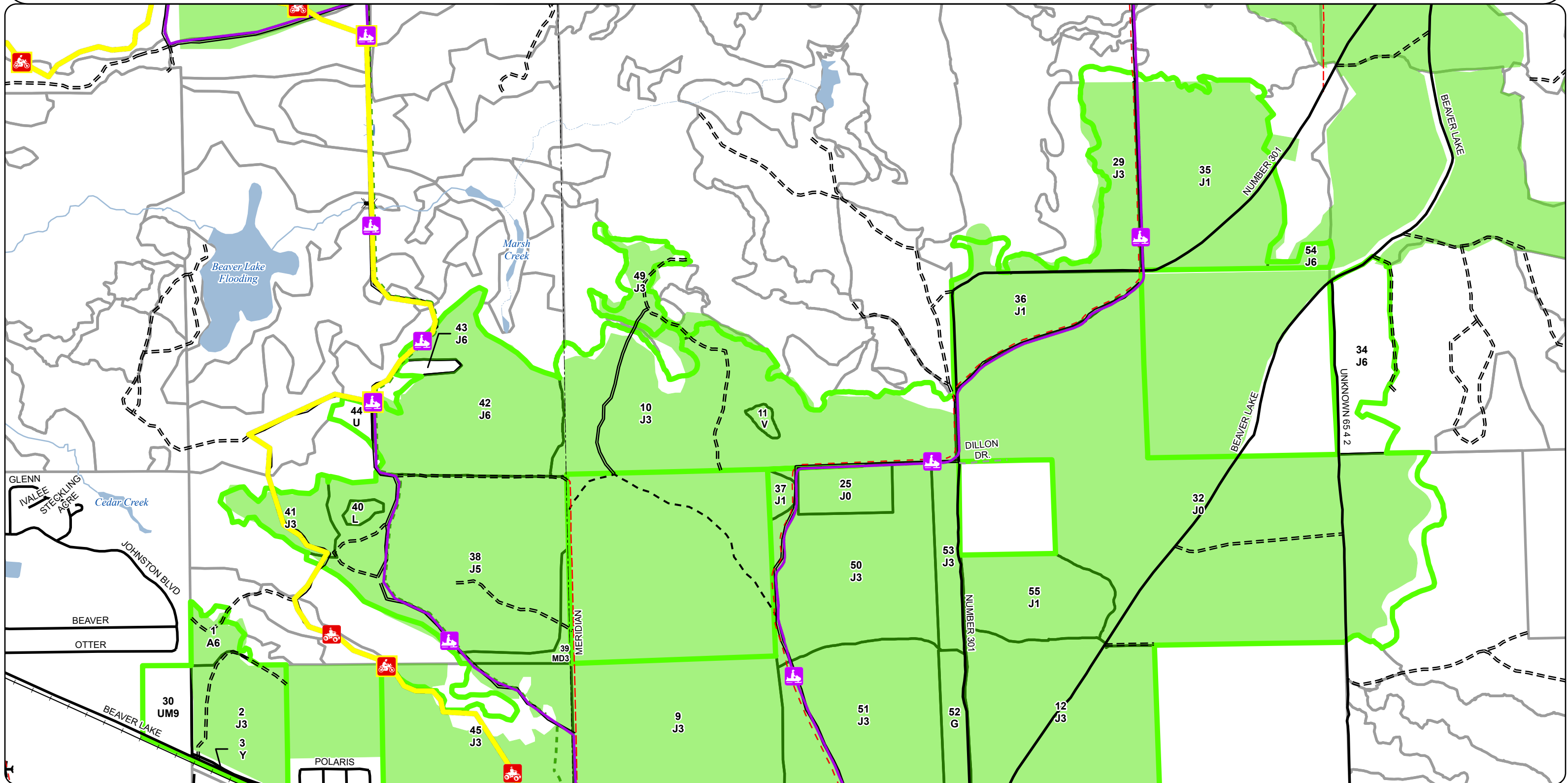
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1 Miles



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|--|---|--|
|  Airport |  DNR - Secondary Forest Road |  Intermittent Stream |
|  Bridges |  DNR - Forest Access Route |  Perennial River |
|  Culvert |  Federal / State / County - Paved Road |  Lakes and Rivers |
|  Designated Hiking Pathways |  Federal / State - Dirt / Gravel Road |  Counties |
|  Designated ORV Routes |  County - Dirt Road (Seasonal) |  Compartment Boundary |
|  Designated Snowmobile Trails |  Private - Dirt / Gravel Road |  Stand Boundaries |
|  Designated MCCCT Trails |  Active Railroads |  Kirtland's Warbler Habitat |



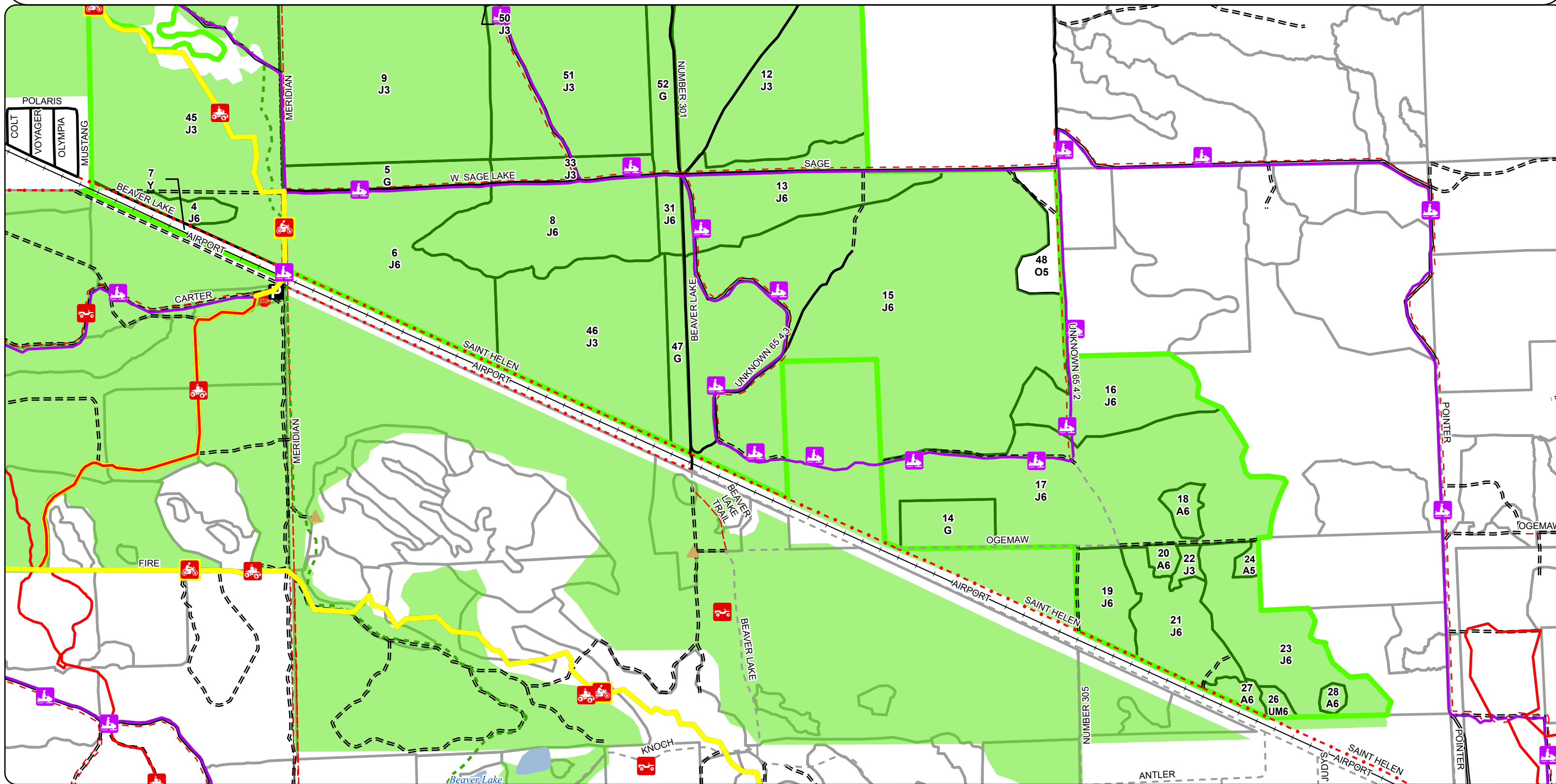
Special Conservation Areas & Site Conditions Map

Compartment: 71070
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0 0.5 1 Miles

- ▲ Berms
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- Compartment Boundary
- Stand Boundaries
- Kirtland's Warbler Habitat



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	
Aspen	0	0	0	11	13	10	0	0	0	0	0	0	0	0	0	0	0	0	34
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Herbaceous Openland	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
Jack Pine	415	223	19	992	881	149	46	0	360	0	0	0	0	0	0	0	0	0	3084
Lowland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Mixed Upland Deciduous	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Oak	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Sand, Soil	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Upland Mixed Forest	0	0	0	0	4	0	0	18	0	0	0	0	0	0	0	0	0	0	22
Upland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	522	223	29	1018	898	159	46	18	360	0	0	0	0	0	0	0	0	0	3272

Report 2 – Treatment Summary

Roscommon Mgt. Unit

Year of Entry: 2027

Acres of Harvest

Compartment 70

Total Compartment Acres: 3,271

Commercial Harvest - 1888

Harvests with Site Condition - 36

Next Step Harvest - 0

Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversory Removal	Salvage	Other	Total Acres
Jack Pine	396	0	0	0	0	0	0	0	0	396
Upland Mixed Forest	18	0	0	0	0	0	0	0	0	18
Total	414	0	0	0	0	0	0	0	0	414

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	414	0	0	0	63	0	585	0	0	1130
Next Step	0	630	350	0	47	0	1340	0	0	2368
Total	414	630	350	0	110	0	1925	0	0	3498

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

14	71070014-Prep	20.4	3102 - Grass	99		Site Prep-Mech.	Site Prep	42220 - Natural Jack Pine	Planting Record	No
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Prescription scarify 10 acres in springSpecs:Next Step ; SitePrep, ScarificationTreatments:AcceptableRegen:Other Percent to Treat = 50%Comment:Site Condition: Research StudyProposed Start Date: 01/01/2023

30	71070030-Cut	17.9	4310 - Pine, Oak Mix	9	69	51-80	Harvest	Clearcut	4122 - Oak, Pine	Planting Record	No
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Prescription Remove all stems 4"+ to leave advance oak and pine. Use retention in an area with the most vigorous trees that will likely survive.Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable Any mix of oak and pine at fully stocked levels.Regen:OtherComment:Site Condition: Survey NeededProposed Start Date: 10/01/2026

32	71070032-Monitor	373.0	4212 - Planted Jack Pine	0	4		Monitoring	Monitoring - Regeneration	42120 - Planted Jack Pine	Planting Record	No
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PrescriptionSpecs:Next Step Monitoring, Artificial Regen (3yr)Treatments:Acceptable Will be replanted to jack pineRegen:Other Percent to Treat = 100%Comment:Site Condition:Proposed Start Date: 06/02/2021

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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
34 71070034-Cut	46.3	42220 - Natural Jack Pine	6	53	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	No
<u>Prescription</u> Clearcut 2" and up. Leave all Red pine that are 16" and up. Spread jack pine tops for seed source. <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Fully stocked Jack Pine with a Red Pine component. <u>Regen:</u> <u>Other</u> Monitoring treatment needed 3 Years post harvest. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
35 71070035-Monitor	150.7	42121 - Planted Jack Pine, Mixed Deciduous	1	5	Immature	Monitoring	Monitoring - Regeneration	42120 - Planted Jack Pine	Planting Record	No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> SitePrep, Trenching; ; ; Monitoring, Artificial Regen (3yr) <u>Treatments:</u> <u>Acceptable</u> jack pine planted in the opposing weave pattern at sufficient density to meet KW requirements <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 01/01/2021										
39 71070039-Monitor	9.8	4191 - Mixed Upland Deciduous with Conifer	3	11	Immature	Monitoring	Monitoring - Regeneration	42211 - Natural Red Pine, Mixed Deciduous	Cutting Record	No
<u>Prescription</u> . <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> . <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2025										
5 71070052-Burn	62.5	3105 - Mixed Upland Herbaceous	99			Burn	Prescribed Burn	3102 - Grass	Previous Inventory	No
<u>Prescription</u> Periodically burn to maintain as a fuel break <u>Specs:</u> <u>Next Step</u> SitePrep, Other - Specify <u>Treatments:</u> <u>Acceptable</u> Grass opening <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024										

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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
53 71070053-Prep	47.4	42120 - Planted Jack Pine	3	22	Immatu re	Site Prep-Mech.	Site Prep	3102 - Grass	Previous Inventory	No
<u>Prescription</u> Mastication to maintain as a fuel break <u>Specs:</u> <u>Next Step</u> Burn, Fuel Break <u>Treatments:</u> <u>Acceptable</u> Grass opening <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024										
55 71070055-Monitor	51.9	42121 - Planted Jack Pine, Mixed Deciduous	1	5		Monitoring	Monitoring - Regeneration	42120 - Planted Jack Pine	Planting Record	No
<u>Prescription</u> monitor <u>Specs:</u> <u>Next Step</u> Monitoring, Artificial Regen (3yr) <u>Treatments:</u> <u>Acceptable</u> Will be replanted to jack pine <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2020										
15 71186003-Cut	350.1	42220 - Natural Jack Pine	6	73	51-80	Harvest	Clearcut	42120 - Planted Jack Pine	Planting Record	No
<u>Prescription</u> Clearcut and plant jack pine per the KW management plan. <u>Specs:</u> <u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen; Monitoring, Artificial Regen (3yr) <u>Treatments:</u> <u>Acceptable</u> Planted jack pine at KW levels <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2023										

Total Treatment 1130
Acreage Proposed:



Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions	2I	5B	5G	5E
33	33	0	0	Aspen				
3	3	0	0	Bog				
83	63	20	0	Herbaceous Openland			20	
2922	2908	0	13	Jack Pine				13
3	3	0	0	Lowland Shrub				
10	10	0	0	Mixed Upland Deciduous				
15	0	15	0	Oak		15		
13	13	0	0	Sand, Soil				
21	4	18	0	Upland Mixed Forest	18			
5	5	0	0	Upland Shrub				
3,109	3,042	54	13	Total Forested Acres	18	15	20	13
	98%	2%	0%	Relative Percent				

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

Site No.	Dominant Site Cond	Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	21	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Available	5G: Research Study	20	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Research								
3	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Roscommon Mgt. Unit
Avery Sanborn: Examiner

Compartment: 70
Year of Entry: 2027



5	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5G: Research Study	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Roth 2017 thinning plot - MSU stand 16							
8	Available	5G: Research Study	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Roth 2017 thinning plot - MSU stand 17							
9	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



14	Available	2l: Survey needed	18
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Comments:

NW corner could not be verified.

Mgt. Unit

Compartment: #Type!

Year of Entry:

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
1	4132 - Aspen, Jack Pine	Poletimber Well			10.7	22	Immature	N/A	Part of big Kw cut to the south. Clone of aspen on nw edge. Cutting Completed June 2004. Jack Pine planted spring 2006.																																																						
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>42</td><td>Sapling</td><td>5</td><td>22</td></tr><tr><td>Pin Cherry</td><td>5</td><td>Log</td><td>3</td><td></td></tr><tr><td>Jack Pine</td><td>30</td><td>Log</td><td>4</td><td>20</td></tr><tr><td>Northern Pin Oak</td><td>23</td><td>Log</td><td>4</td><td>22</td></tr></table>					Canopy Species	% Cover	Size Class	DBH		Age	Quaking Aspen	42	Sapling	5	22	Pin Cherry	5	Log	3		Jack Pine	30	Log	4	20	Northern Pin Oak	23	Log	4	22	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Pin Cherry</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Pin Cherry	Low	< 5 feet	< 5 feet																					
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Quaking Aspen	42	Sapling	5	22																																																											
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Pin Cherry	Low	< 5 feet	< 5 feet																																																												
2	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well			48.5	22	Immature	N/A	Jack pine plantation. Planted 2004.																																																						
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3	710 - Sand, Soil	None			2.9			No																																																							
4	42220 - Natural Jack Pine	Poletimber Well			8.5	38	51-80	N/A	Heavy J3/J6 stand from St Helen fire of 1987. 5" diameter, just beginning to have single stick. Most trees originated from the fire but a few oak, red pine, and jack are of older origin.																																																						
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5	3105 - Mixed Upland Herbaceous	None			24.0			Yes	5 chain wide fire break that is starting to regrow back to its former cover type. Mix of oak, jack pine and pin cherry. Not fully stocked but will become in the future unless treated.																																																						
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6	42120 - Planted Jack Pine	Poletimber Well			106.0	32	1-50	N/A	Artificial jack pine stand for Kirtland Warbler planted in the weave pattern in 1993. Just starting to make sticks. I estimate 40% of stems are still unmerchantable.																																																						
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7	710 - Sand, Soil	None			10.3			No	St. Helen Trail, buried gas line and Railroad ROW																																																						
8	42220 - Natural Jack Pine	Poletimber Well			77.6	38	1-50	N/A	Naturally regenerating jack pine stand resulting from the St. Helen forest fire in 1987. Some pine just starting to become merchantable. A small portion of the stand next to the road to the north was planted with the surrounding KW areas.																																																						
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Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																				
9	42120 - Planted Jack Pine	Sapling Well			153.1	32	51-80	N/A	Kirtland Warbler planting done in the traditional weave in 1993. Some trees just starting to make sticks.																																				
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10	42120 - Planted Jack Pine	Sapling Well			179.2	21	Immature	N/A	Seeded in 2002 by both contractor and DNR. The contractors portion failed so the stand was subsequently planted in 2004 to bring it to proper stocking for KW.																																				
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11	6225 - Bog	None			2.7			No																																					
12	42120 - Planted Jack Pine	Sapling Well			148.5	22	Immature	N/A	FTP record indicates planting either 2002/03.																																				
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13	42220 - Natural Jack Pine	Poletimber Well			68.2	38	51-80	N/A	Stand was created from St. Helen wildfire. Very thick in some spots and open in others. 1987.																																				
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14	3102 - Grass	None			20.4				Stand has been masticated as a part of an MSU research study. Masticated in 2023, half winter, half summer.																																				
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15	42220 - Natural Jack Pine	Poletimber Well			360.0	73	51-80	N/A	Quickly degrading jack pine. Stand is to be replanted in 2027 per the KW management plan.																																				
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16	42120 - Planted Jack Pine	Poletimber Well			53.3	30	1-50	N/A	FTP record indicates planting around 1994/95.																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
17	42120 - Planted Jack Pine	Poletimber Well	160.5	30	1-50	N/A	Record of planting date somewhat ambiguous. Cores indicate 1995. Trees range from 3.5-7" dbh.																																							
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18	4130 - Aspen	Poletimber Well	7.1	32	1-50	N/A																																								
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19	42120 - Planted Jack Pine	Poletimber Well	23.8	32	1-50	N/A																																								
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20	4130 - Aspen	Poletimber Well	4.0	47	81-110	N/A																																								
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21	42220 - Natural Jack Pine	Poletimber Well	39.3	47		N/A	1977 Wildfire. Has some scattered supercanopy jack pine and red pine found mostly on the west side.																																							
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22	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	4.0	33	1-50	N/A																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
23	42120 - Planted Jack Pine	Poletimber Well	59.2	33	1-50	N/A	Occasional aspen clones.																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>3</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Jack Pine</td><td>95</td><td>Sapling</td><td>5</td><td>33</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>1</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Pin Cherry</td><td>1</td><td>Pole</td><td>4</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	3	Sapling	5		Jack Pine	95	Sapling	5	33	Black/Red (Hybrid) Oak	1	Seedling	6		Pin Cherry	1	Pole	4		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Pin Cherry</td><td>Trace</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Pin Cherry	Trace	< 5 feet	< 5 feet							
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24	4132 - Aspen, Jack Pine	Poletimber Medium	3.0	33	1-50	N/A																																								
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25	4222 - Natural Jack Pine	Unspecifed	19.9	0			KW JP research project. E half masticated winter 2025. SE 1/4 disked spring 2025. W half masticated July 2025. NE 1/4 disked July/August 2025.																																							
			<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Northern Pin Oak</td><td>Trace</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Pin Cherry</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Northern Pin Oak	Trace	< 5 feet	< 5 feet	Pin Cherry	Low	< 5 feet	< 5 feet																												
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26	4310 - Pine, Oak Mix	Poletimber Well	3.5	33	1-50	N/A	Looks to be part of the stand 23 plantation, but came back heavier to oak than pine.																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern Pin Oak</td><td>45</td><td>Seedling</td><td>5</td><td>33</td></tr><tr><td>Pin Cherry</td><td>1</td><td>Sapling</td><td>5</td><td></td></tr><tr><td>Jack Pine</td><td>50</td><td>Seedling</td><td>5</td><td>33</td></tr><tr><td>Quaking Aspen</td><td>4</td><td>Sapling</td><td>5</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Northern Pin Oak	45	Seedling	5	33	Pin Cherry	1	Sapling	5		Jack Pine	50	Seedling	5	33	Quaking Aspen	4	Sapling	5		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Pin Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Northern Pin Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Pin Cherry	Low	5 - 10 feet	5 - 10 feet	Northern Pin Oak	Low	5 - 10 feet	5 - 10 feet			
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27	4130 - Aspen	Poletimber Well	5.7	47	51-80	N/A	Part of 1977 wildfire.																																							
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28	4130 - Aspen	Poletimber Well	2.9	34	51-80	N/A																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
29	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	44.2	25	Immature	N/A	Seeded with Jack Pine using the Sigma Seeder in Fall 1999. Several areas where the aspen clones or chokecherry out competed the seeded jack pine. Diverse stand. 2024 still mostly unmerchantable.																																																											
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30	4310 - Pine, Oak Mix	Sawtimber Well	17.9	69	51-80	N/A	Stand was discovered as state of Michigan ownership.																																																											
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31	42220 - Natural Jack Pine	Poletimber Well	8.6	38	1-50	N/A	Naturally regenerating jack pine stand resulting from the St. Helen forest fire in 1987.																																																											
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32	4212 - Planted Jack Pine	Unspecified	395.0	4			Cut 2019. Trenched 2020. Planted spring 2021. Oak stump sprouts prevalent on the east side and cherry on the west portion.																																																											
		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Pin Cherry</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Northern Pin Oak</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Jack Pine</td><td>Full</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>				Sub-Canopy Species		Density	Avg. Height	Size	Pin Cherry	High	5 - 10 feet	5 - 10 feet	Northern Pin Oak	Medium	5 - 10 feet	5 - 10 feet	Jack Pine	Full	< 5 feet	< 5 feet																																												
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33	42120 - Planted Jack Pine	Sapling Well	17.0	21	Immature	N/A	Jack pine seeding done in 2004																																																											
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34	42220 - Natural Jack Pine	Poletimber Well	46.3	53	51-80	N/A	Part of KW Management Block 106 (2021) . Almost solid jack pine, but pvt property to the west and transitions quickly to hill and valley oak mixture to the east. Consider leaving alone and managing with hills to the east. Still immature. HOLDING TO FINALIZE TREATMENT. To be cut in 2018.																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
35	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Poor	113.8	5	Immature	N/A	Cut, trenched in 2019, planted to KW weave jack pine in 2020.Retention Islands consisting of red and jack pine. Occasional Aspen clone sprouts.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Pine	2		16	
								Jack Pine	60	Log	1	5
								Quaking Aspen	7	Log	1	6
								Pin Cherry	30	Log	1	6
								Jack Pine	1	Seedling	6	
36	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Poor	57.8	5	Immature	N/A	Cut, trenched 2019, planted to KW weave jack pine in 2020.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	1	Seedling	5	
								Quaking Aspen	6	Log	1	
								Jack Pine	60	Log	1	5
								Pin Cherry	30	Log	1	
								Red Pine	3		14	
37	42120 - Planted Jack Pine	Sapling Poor	4.5	22		N/A	Jack Pine planting done in 2003 and had a wildfire in it resulting in the mortality of many stems. Scattered jack pine, oak stump sprouts and choke cherry					
								Canopy Species	% Cover	Size Class	DBH	Age
								Jack Pine	95	Log	3	22
								Northern Pin Oak	3	Log	3	
								Pin Cherry	2	Log	2	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Jack Pine	Low	< 5 feet	< 5 feet	
Northern Pin Oak	Low	5 - 10 feet	5 - 10 feet									
Choke Cherry	Medium	Variable	Variable									
38	42220 - Natural Jack Pine	Poletimber Medium	157.9	39	51-80	N/A	Natural regen. More n. pin oak on the south end. Also a small component of white pine to the southeast and swamp transition to the southwest. A diverse stand compared to most of the compartment. Cutting complete Jan 1986. FTP record indicates stand was planted around 1982 to KW weave but it does not seem so.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	1	Seedling	8	
								Pin Cherry	5	Sapling	5	
								Red Pine	2		10	
								Northern Pin Oak	8	Seedling	6	
								Jack Pine	84	Seedling	7	39
Sub-Canopy Species	Density	Avg. Height	Size									
Pin Cherry	Trace	5 - 10 feet	5 - 10 feet									
39	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	10.0	11	Immature	N/A	Looks like the results of a spec cut that left advance regen oak and a few sapling/poles. Cutting completed March 2015.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Jack Pine	30	Log	1	11
								Red Pine	5		14	86
								Pin Cherry	15		1	
								Northern Pin Oak	50	Pole	1	11
								Sub-Canopy Species	Density	Avg. Height	Size	
Red Pine	Low	Variable	Variable									
Northern Pin Oak	Medium	< 5 feet	< 5 feet									
White Pine	Low	Variable	Variable									

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
40	629 - Mixed non-forested Wetland	None	3.1			No						
41	42120 - Planted Jack Pine	Sapling Well	22.3	28	Immature	N/A	Looks to be more of a ParVha site. Balsam and white pine mixed in along the perimeter. Was probably a mixed natural jp/rp/wp before it was converted.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Black Spruce	Low	>20 feet	>20 feet	
								Jack Pine	Low	>20 feet	>20 feet	
								Canopy Species	% Cover	Size Class	DBH	Age
								Northern Pin Oak	10	Pole	4	30
								Jack Pine	82	Pole	4	28
								White Pine	4		12	
								Pin Cherry	3	Pole	4	30
								Balsam Fir	1	Pole	4	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Northern Pin Oak	Low	5 - 10 feet	5 - 10 feet	
Pin Cherry	Low	5 - 10 feet	5 - 10 feet									
Balsam Fir	Trace	< 5 feet	< 5 feet									
Jack Pine	Trace	< 5 feet	< 5 feet									
42	42120 - Planted Jack Pine	Poletimber Well	101.5	46	1-50	N/A						
43	6126 - Lowland Jack Pine	Poletimber Well	3.9	44	51-80	N/A	Jack pine surrounding a lowland leatherleaf area with white pine and black spruce.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Black Spruce	Low	Variable	Variable	
								Balsam Fir	Low	Variable	Variable	
44	320 - Upland Shrub	None	4.9			No	Old plow line. Scattered supercanopy red pine. Small pocket of leatherleaf, but almost all upland cherry. Jack pine saplings slowly establishing.					
45	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	168.0	22	Immature	N/A	2004 J3 planting. Aspen pocket N of adjacent stand 71067071. Pocket of mature timber with red pine left in SE corner.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Pin Cherry	Low	< 5 feet	< 5 feet	
								Jack Pine	Medium	5 - 10 feet	5 - 10 feet	
								White Pine	Trace	5 - 10 feet	5 - 10 feet	
								Northern Pin Oak	Low	5 - 10 feet	5 - 10 feet	
								Canopy Species	% Cover	Size Class	DBH	Age
								Pin Cherry	2	Log	2	
								Jack Pine	70	Log	3	22
								Northern Pin Oak	20		4	
								Red Pine	1		18	
								Quaking Aspen	7	Pole	4	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
46	42120 - Planted Jack Pine	Sapling Well	107.4	21	Immature	N/A	Failed jack pine seeding done in early 2000's and replanted in 2004.																																																						
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47	3105 - Mixed Upland Herbaceous	None	16.6			Yes	3.5 chain fire break left unplanted so can be treated in the future. The stand is regenerating back into oak and jack pine but is not fully stocked yet.																																																						
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48	4125 - Black, N. Pin Oak	Poletimber Medium	15.4	23	1-50	N/A	Treated in 2001. Old oak stand with areas of mortality and heavy cherry understory. FTP indicates an Rx burn around 2008																																																						
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49	42120 - Planted Jack Pine	Sapling Well	18.7	19	Immature	N/A	Between failed seeding done in 2002 by a contractor and areas missed during trenching, this stand was not fully established until it was planted fully in 2007.																																																						
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50	42120 - Planted Jack Pine	Sapling Well	107.3	22	Immature	N/A	Jack pine planting done in 2003																																																						
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51	42120 - Planted Jack Pine	Sapling Well	122.6	22	Immature	N/A	Jack pine seeding done in 2002 failed. 2-0 Planted 2004.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
52	3105 - Mixed Upland Herbaceous	None	21.9			Yes	Five chain wide wildfire fuel break for the jack pine stand to the immediate west. The stand is naturally filling in with mix of cherry, jack pine, and oak. It is a grass stand but will need to be treated in future years to remove the upcoming woody vegetation.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Pin Cherry	Medium	10 - 20 feet	10 - 20 feet	
								Oak (spp.)	Medium	Variable	Variable	
								Jack Pine	Low	10 - 20 feet	10 - 20 feet	
53	42120 - Planted Jack Pine	Sapling Well	22.4	22	Immature	N/A	Jack pine planting done in 2003					
								Canopy Species	% Cover	Size Class	DBH	Age
								Pin Cherry	1	Log	2	
								Northern Pin Oak	3	Pole	4	
								Jack Pine	96		3	22
Sub-Canopy Species	Density	Avg. Height	Size									
Pin Cherry	Low	< 5 feet	< 5 feet									
Northern Pin Oak	Low	< 5 feet	< 5 feet									
54	42220 - Natural Jack Pine	Poletimber Well	4.2	45	51-80	N/A	OPIC - FMD: Part of KW Management Block 106 (2021) that is along the fringe Leave some retention pockets and burn with stand 11 to create the pine barrens portion of this KW block. Decide whether to set-up sale in conjunction with rest of KW cut for connectivity or hold and manage seperately. Stand is still immature. Blends into aspen along the southeast edge that is being cut this YOE. HOLDING TO FINALIZE TREATMENT. To be cut in 2018.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Pine	2		16	
								Jack Pine	98	Seedling	6	45
								Sub-Canopy Species	Density	Avg. Height	Size	
Pin Cherry	Low	5 - 10 feet	5 - 10 feet									
55	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Poor	51.1	5		N/A	Cut as a part of "School Road KW." Trenched and planted 2020. Pockets and individual red pine retained.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Pine	5		12	
								Jack Pine	70	Log	1	5
								Pin Cherry	25	Log	1	
Sub-Canopy Species	Density	Avg. Height	Size									
Red Pine	Low	>20 feet	>20 feet									
Jack Pine	Full	< 5 feet	< 5 feet									
Pin Cherry	Medium	5 - 10 feet	5 - 10 feet									