



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71070

Entry Year 2027

Acreage: 3,271

County: Ogemaw

Management Area: High Sand Plains

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**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:**

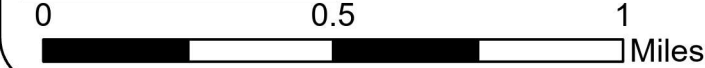
**The following reports from the Inventory are attached:**








- 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**












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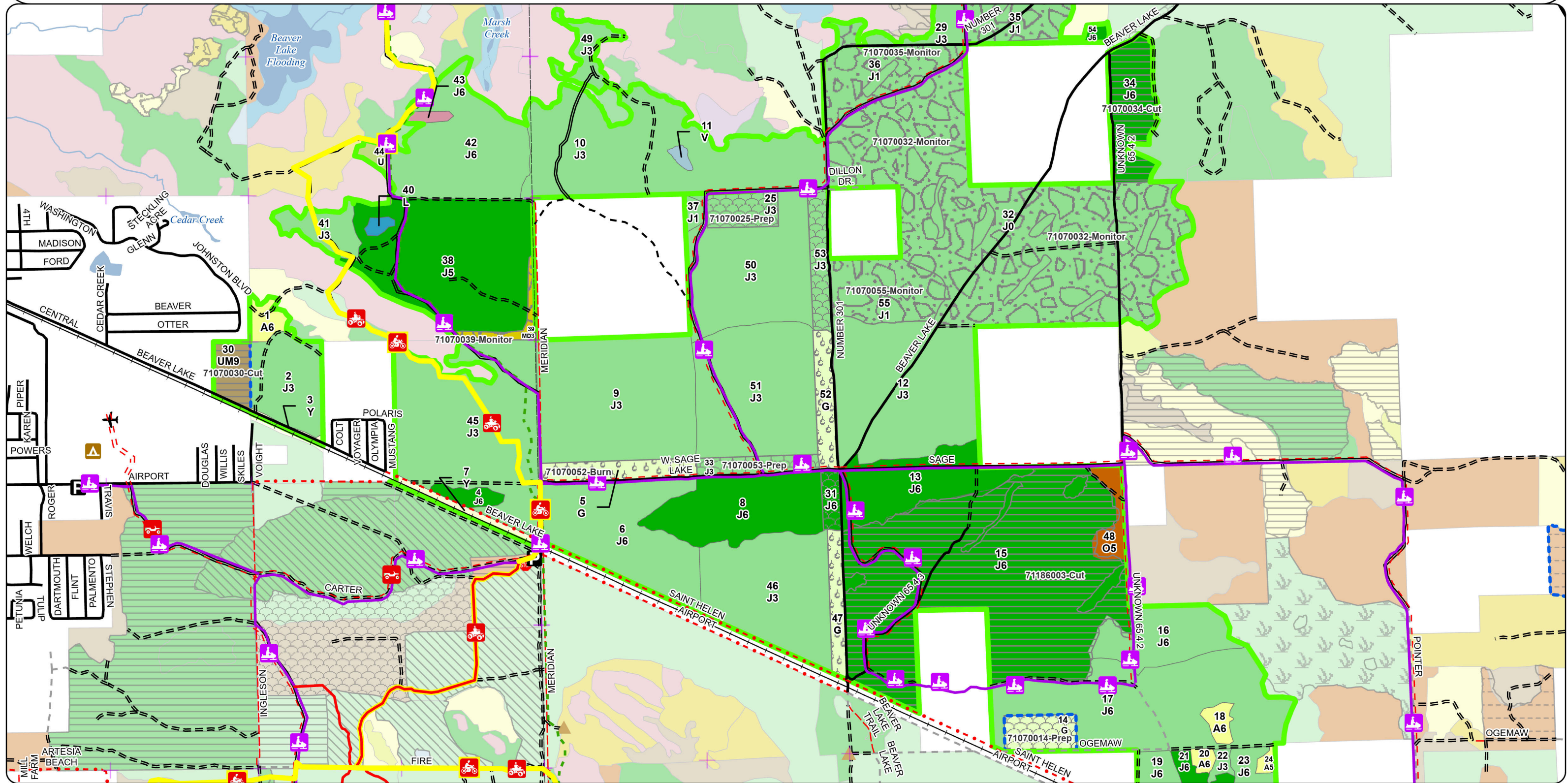
-  Remonumented Section Corners
-  Airport
-  Berms
-  Campground
-  Parking Lot
-  Sign
-  Designated Hiking Pathways
-  Designated ORV Routes

-  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: 6/10/2025  
Map Phase: Web Post



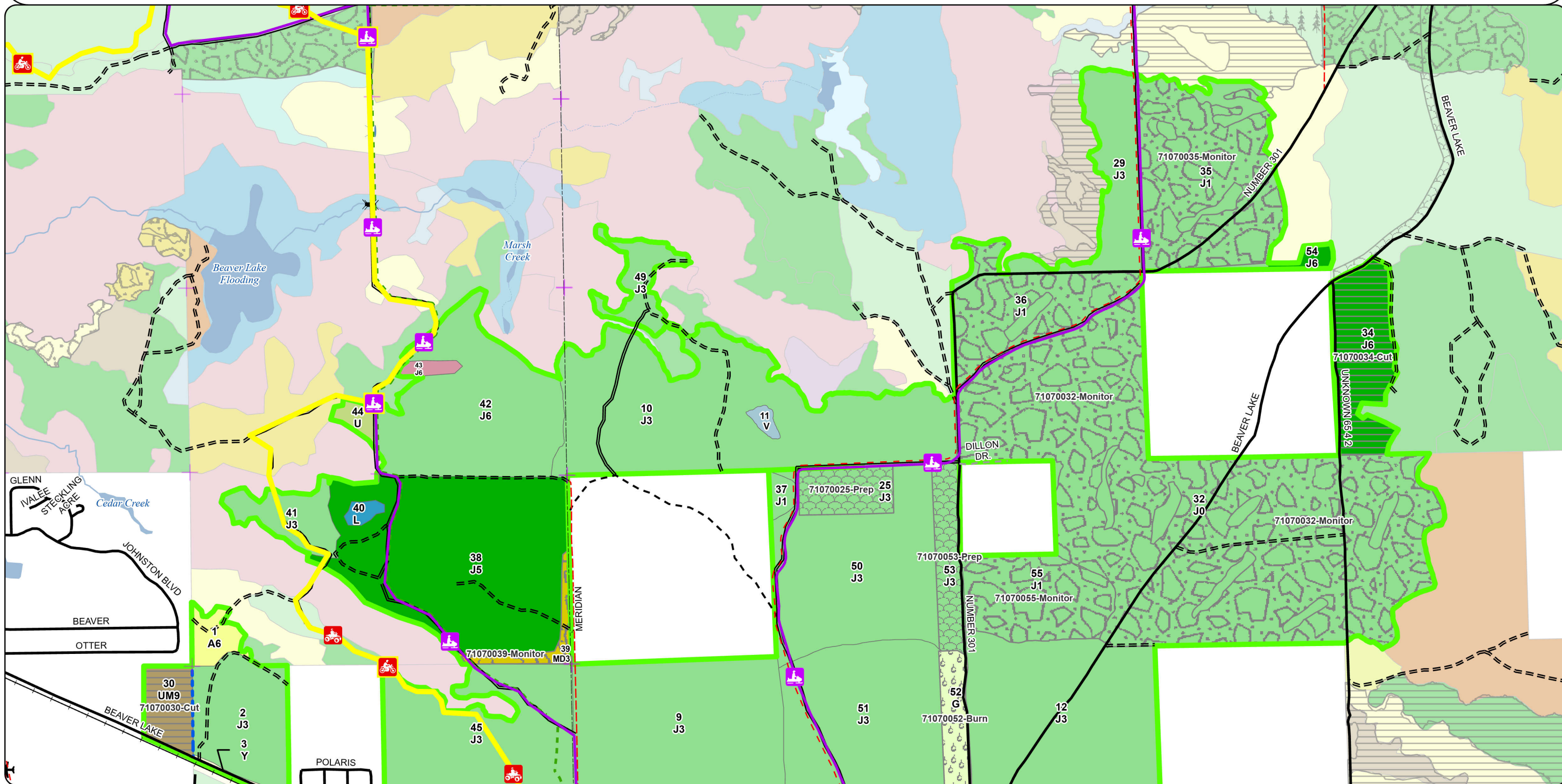
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- Remonumented Section Corners
- Airport
- Bridges
- Culvert
- Designated Hiking Pathways
- Designated ORV Routes
- Designated Snowmobile Trails
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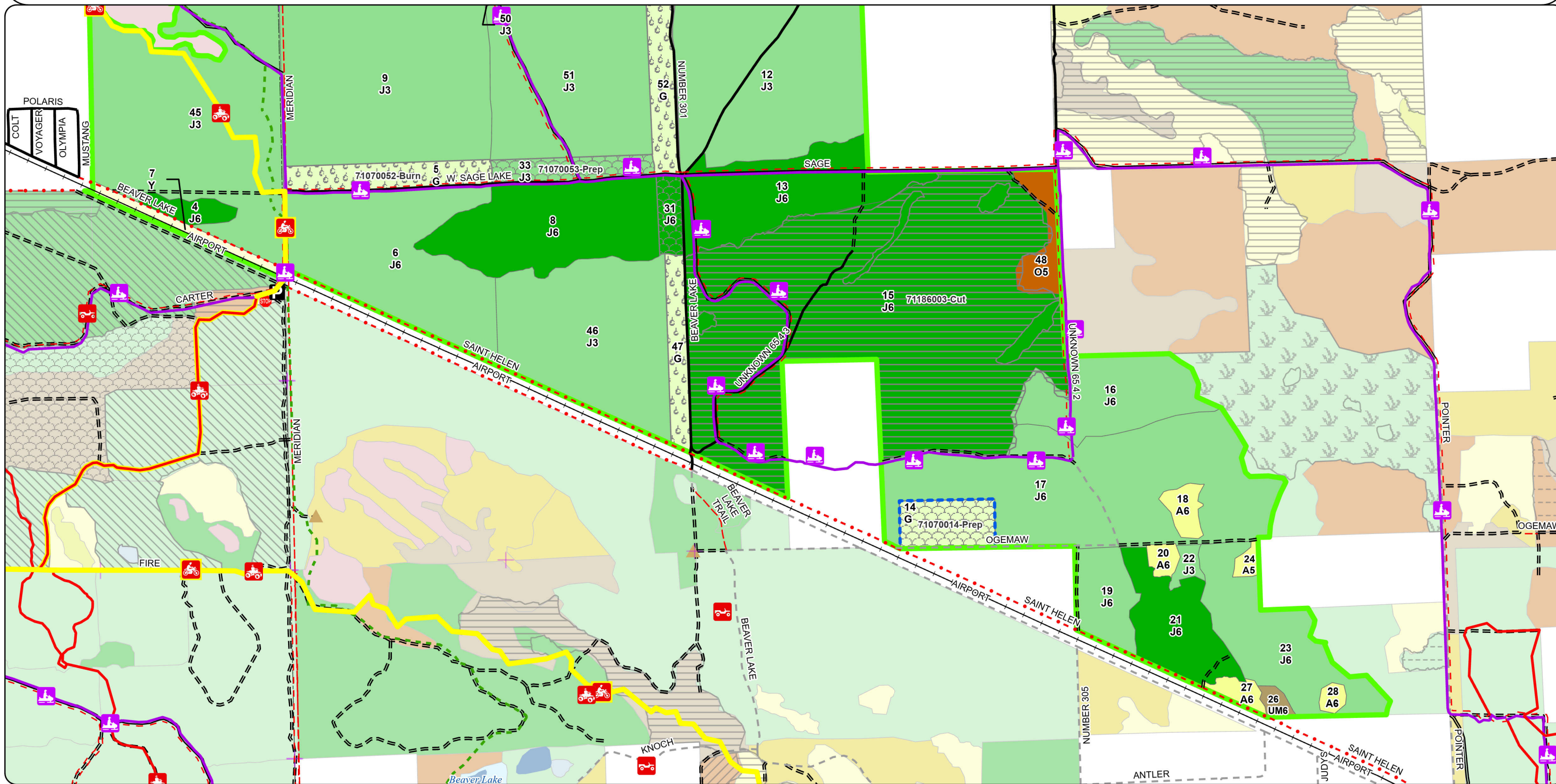
0 0.5 1 Miles

- Remonumented Section Corners
- Berms
- Parking Lot
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













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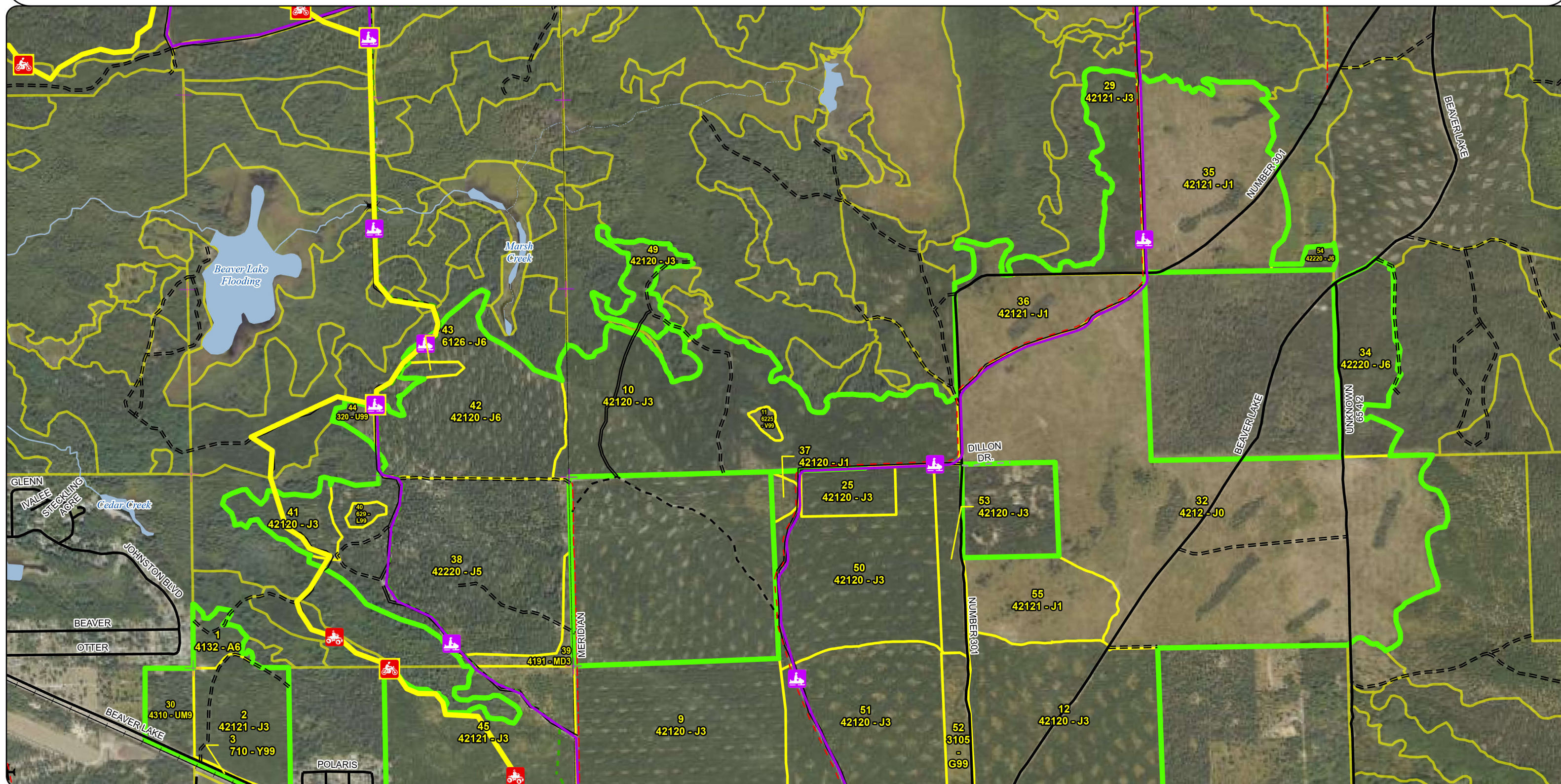
1  
□ Miles

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-  Culvert
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# Stand Boundary Map

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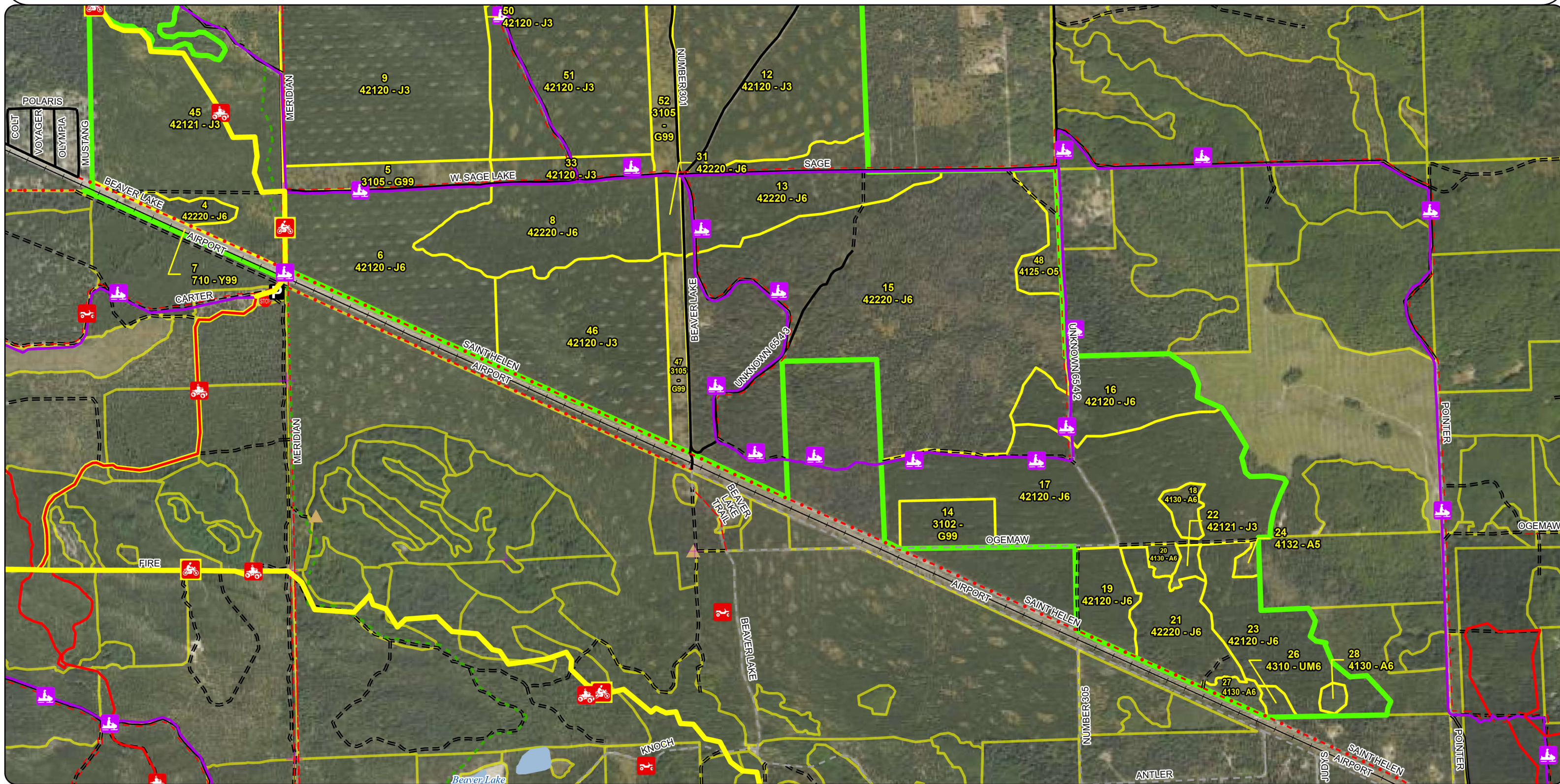
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# Special Conservation Areas & Site Conditions Map

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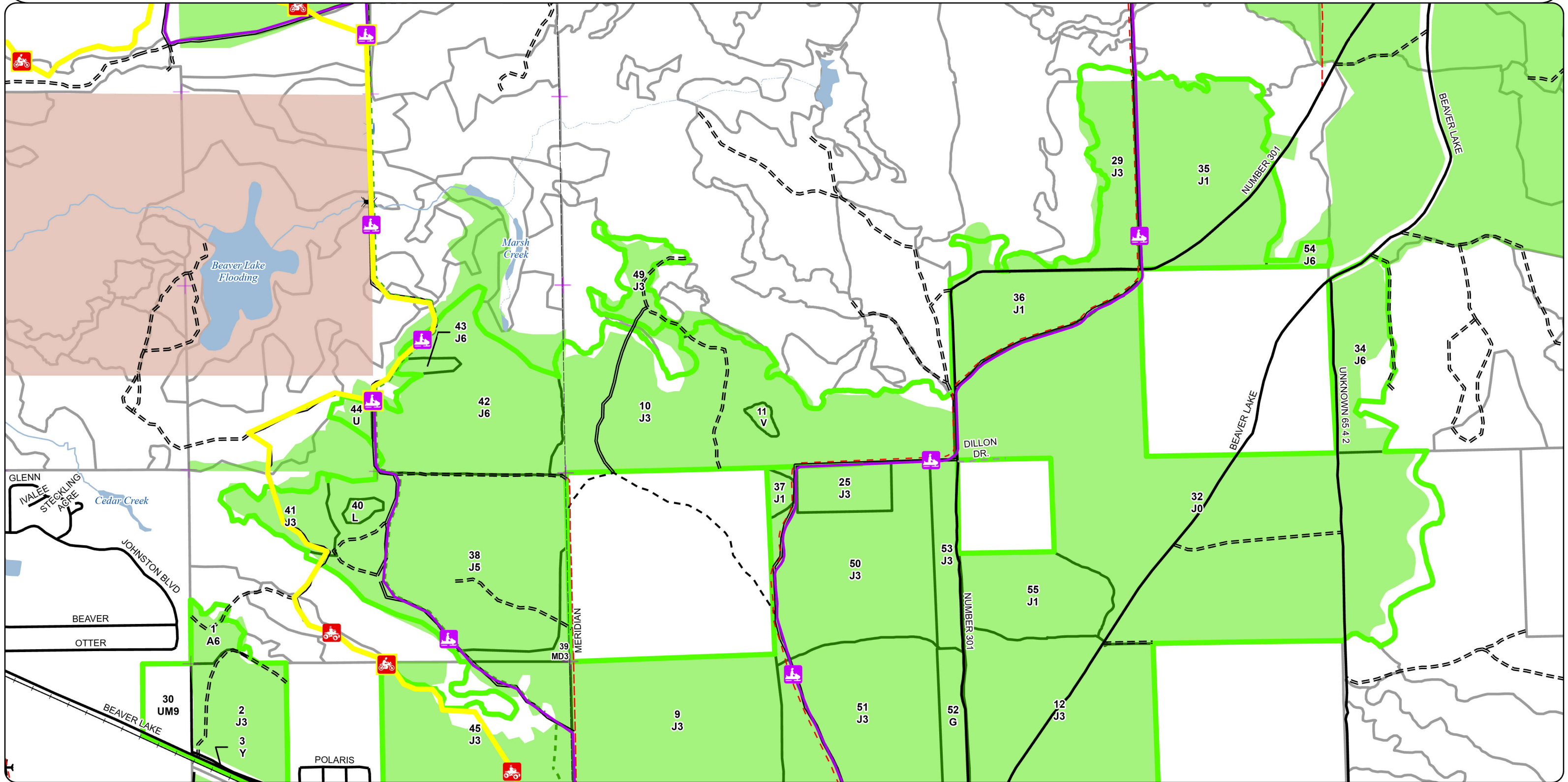
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- Counties
- Compartment Boundary
- Stand Boundaries
- Kirtland's Warbler Habitat
- Wildlife Research Areas





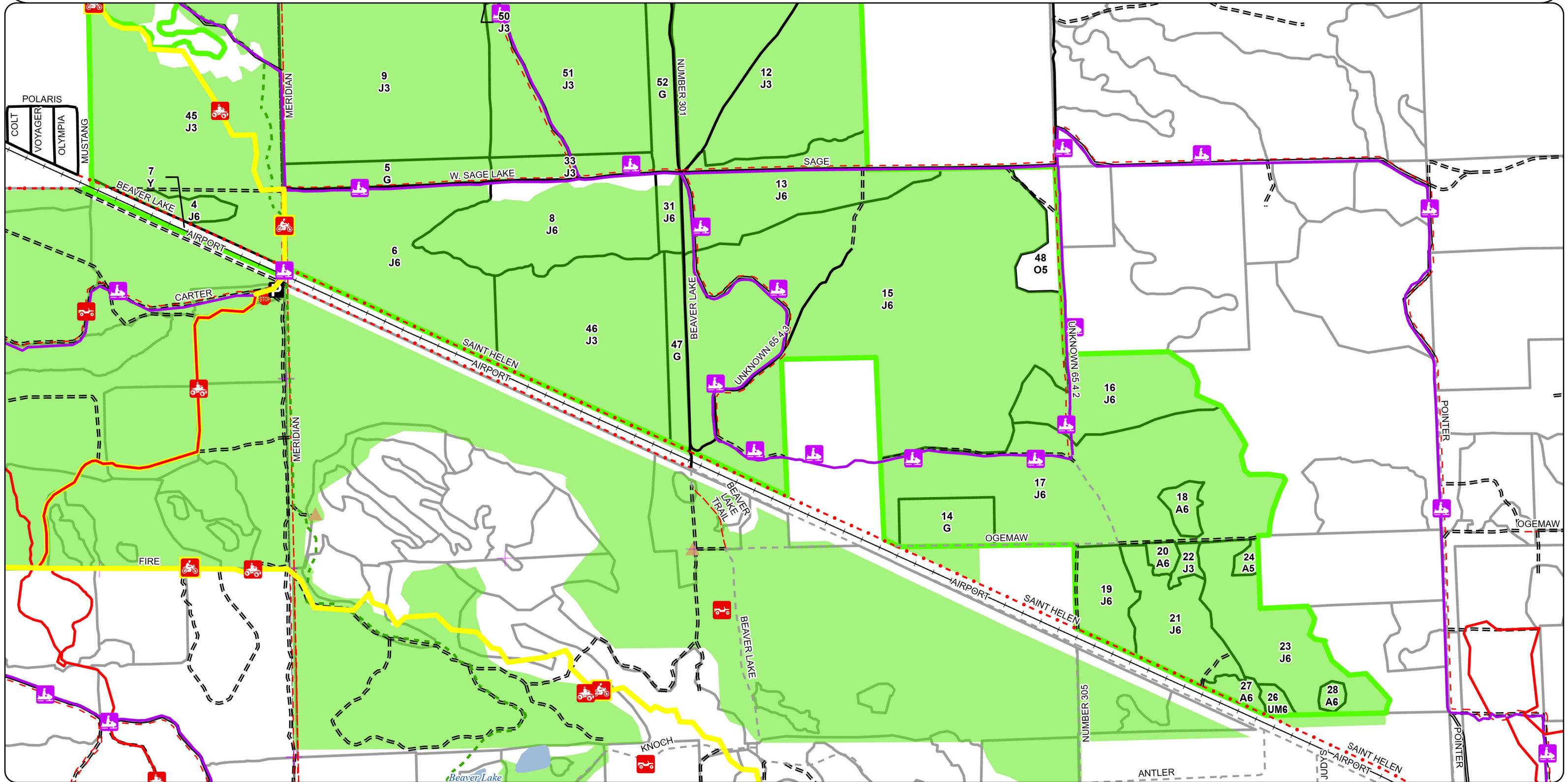
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# Report 1 – Total Acres by Cover Type and Age Class



## 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	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	395	223	19	1012	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	502	223	29	1038	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 - 396  
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	Overstory 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	1150
Next Step	0	40	0	0	0	0	594	0	0	634
Total	414	40	0	0	63	0	1179	0	0	1784



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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**Proposed Treatments:**

<b>34</b>	<b>71070034-Cut</b>	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> <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											
<b>30</b>	<b>71070030-Cut</b>	17.9	4310 - Pine, Oak Mix	9	69	51-80	Harvest	Clearcut	4122 - Oak, Pine	Planting Record	No
<u>Prescription</u> Remove all stems 4"+ to leave advance oak and pine. Use retention in an area with the most vigorous trees that will likely survive. <u>Specs:</u>  <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>  <u>Acceptable</u> Any mix of oak and pine at fully stocked levels. <u>Regen:</u>  <u>Other</u> <u>Comment:</u>  <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026											

**Approved Treatments:**

<b>55</b>	<b>71070055-Monitor</b>	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											



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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
<b>53 71070053-Prep</b>	47.4	42120 - Planted Jack Pine	3	22	Immature	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> <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										
<b>39 71070039-Monitor</b>	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										
<b>35 71070035-Monitor</b>	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> ; ; ; 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										
<b>32 71070032-Monitor</b>	373.0	4212 - Planted Jack Pine	0	4		Monitoring	Monitoring - Regeneration	42120 - Planted Jack Pine	Planting Record	No
<u>Prescription</u> <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> 06/02/2021										



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
25	<b>71070025- Prep</b>	19.9	42120 - Planted Jack Pine	3	22	Immatur re	Site Prep-Mech.	Site Prep	4222 - Natural Jack Pine	Planting Record	No
<u>Prescription</u> Masticate then scarify for KW JP research <u>Specs:</u> <u>Next Step</u> SitePrep, Scarification <u>Treatments:</u> <u>Acceptable</u> KW density JP research <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 01/01/2025											
14	<b>71070014- Prep</b>	20.4	3102 - Grass	99			Site Prep-Mech.	Site Prep	42220 - Natural Jack Pine	Planting Record	No
<u>Prescription</u> scarify 10 acres in spring <u>Specs:</u> <u>Next Step</u> ; SitePrep, Scarification <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Percent to Treat = 50% <u>Comment:</u> <u>Site Condition:</u> Research Study <u>Proposed Start Date:</u> 01/01/2023											
5	<b>71070052- Burn</b>	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> <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											
15	<b>71186003-Cut</b>	350.1	42220 - Natural Jack Pine	6	73	51-80	Harvest	Clearecut	42120 - Planted Jack Pine	Planting Record	No
<u>Prescription</u> Clearecut and plant jack pine per the KW management plan. <u>Specs:</u> <u>Next Step</u> <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											





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

Total Treatment  
Acreage Proposed: 1149.9



Availability for Management

Total	Acres	Acres Avail	Acres	Dominant Site Conditions			
Acres	Available	With Condition	Not Available	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
	98%	2%	0%	Relative Percent			13

\*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
Comments				





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MICHIGAN



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.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	75	Pole	4	25
Quaking Aspen	22	Pole	4	25
Pin Cherry	3	Log	4	

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Trace	5 - 10 feet	5 - 10 feet
Jack Pine	Low	5 - 10 feet	5 - 10 feet

30

4310 - Pine, Oak Mix

Poletimber Well

17.9

69

51-80

N/A

Stand was discovered as state of Michigan ownership.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5		12	
Red Maple	5	Seedling	6	
Pin Cherry	1	Seedling	6	
Northern Pin Oak	38		12	
Red Pine	1		15	
White Pine	1	Seedling	9	
Jack Pine	49		10	69

Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	Medium	10 - 20 feet	10 - 20 feet
White Pine	Trace	< 5 feet	< 5 feet
Jack Pine	Low	5 - 10 feet	5 - 10 feet
Pin Cherry	Low	5 - 10 feet	5 - 10 feet

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.

Canopy Species	% Cover	Size Class	DBH	Age
Northern Pin Oak	5		4	38
Jack Pine	94	Sapling	5	38
Pin Cherry	1	Pole	4	

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

32

4212 - Planted Jack Pine

395.0

4

Cut 2019. Trenched 2020. Planted spring 2021. Oak stump sprouts prevalent on the east side and cherry on the west portion.

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Full	< 5 feet	< 5 feet
Pin Cherry	High	5 - 10 feet	5 - 10 feet
Northern Pin Oak	Medium	5 - 10 feet	5 - 10 feet

33

42120 - Planted Jack Pine

17.0

21

Immature

N/A

Jack pine seeding done in 2004

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	90	Log	3	21
Pin Cherry	3	Log	2	
Northern Pin Oak	7		3	

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

34

42220 - Natural Jack Pine

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.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	1		16	
Jack Pine	99	Seedling	7	53

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





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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	Unspecified	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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