



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71075

Entry Year 2024

Acreage: 1,265

County Ogemaw

Management Area: Kirtland's Warbler

---

**Stand Examiner:** Dale Ekdorn

**Legal Description:**

T24N R01E Sections 14-16

**Identified Planning Goals:**

The Kirtland's Warbler management area (MA) consists of fifteen units of land that are managed for the federally endangered Kirtland's warbler. Kirtland's warbler management is guided by two documents: Kirtland's Warbler Breeding Range Conservation Plan and Operational Plan for Kirtland's Warbler Habitat Management on Michigan State Forests. Of the 148,017 acres of state forest land that make up the Kirtland's Warbler management area, approximately 90,000 acres, most of the jack pine in the management area, have been identified as essential habitat where management is done in accordance with the Kirtland's Warbler Conservation Plan and Operational Plan. Management on the portion that is not classified as essential habitat will emphasize balancing the age classes of aspen and red pine and regenerating the aging oak resource. Management activities may be constrained or modified based on management recommendations described in the Conservation Strategy. Expected trends within this 10-year planning period are introduced pests and diseases and assuring jack pine regeneration on Kirtland's warbler sites.

**Soil and topography:**

The terrain in this compartment is flat to gently rolling. Soils consist of Grayling and Graycalm sands.

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

The entire compartment is State ownership except for two 40 acre parcels owned by the USFWS Department of Interior in Sections 14 and 15. The compartment is surrounded by state or federal land except for two private parcels with seasonal cabins which are adjacent to the compartment in Section 17.

**Unique Natural Features:**

The compartment is part of the Kirtlands Warbler Recovery Plan (KWRP).

**Archeological, Historical, and Cultural Features:**

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

Kirtlands warbler compartment

**Watershed and Fisheries Considerations:**

None

**Wildlife Habitat Considerations:**

This compartment is located in the Damon Kirtland's Warbler Management Unit. The compartment is predominately jack pine in various younger age classes along with grassy fuel breaks. In addition to nesting KW habitat, this compartment is important for deer and turkey. This compartment sees moderate pressure for deer hunting. Management in this compartment is directed by the Kirtland's Warbler Management Plan. No managed wildlife openings are in this compartment.

**Mineral Resource and Development Concerns and/or Restrictions**

No known potential exists for metallic minerals in this part of the state. No active sand/gravel pits exist in the area, but commercial aggregate and private borrow pits are common in this region, and there is generally good potential for sand & gravel within the outwash and ice-contact glacial deposits of the area. There may be some potential for sand & gravel within the compartment. Portions of the Rose City oil & gas field lie adjacent to the compartment to the east and south. The field continues to produce from the Richfield Member of the Devonian Lucas Formation. Additional test wells were drilled within the compartment but were dry, indicating that the reservoir likely does not continue beneath the compartment. That does not preclude the potential for hydrocarbons from other formations, but that potential is considered low at this time. Some state-owned mineral rights are currently under lease and held by producing wells of the Rose City Field outside the compartment.

**Vehicle Access:**

Access to the exterior of the compartment is good via county section line roads. Very few interior roads exist in the compartment due to it being part of the KWRP

**Survey Needs:**

None needed at this time.

**Recreational Facilities and Opportunities:**

Areas of this compartment may be utilized for hunting, gathering, or bird watching. There are no designated trails or facilities due to the management objectives in the compartment.

**Fire Protection:**

This compartment is almost entirely jack pine cover types and is in the Zone 3 Fire Dispatch area. The Mech Fire burned most of the compartment in 1998. There was also a more recent smaller fire (Stand 3) in August 2018.

**Additional Compartment Information:**

Illegal ORV use is occurring on some of the the old plow lines for the fire breaks.

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

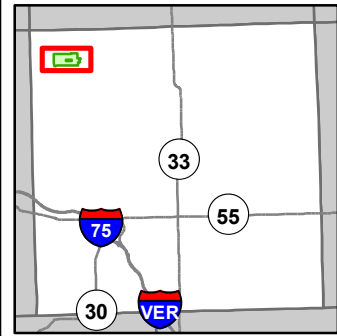
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

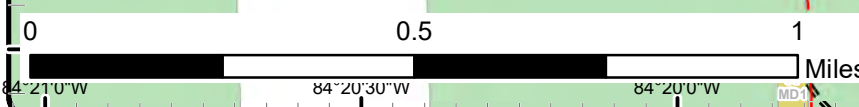
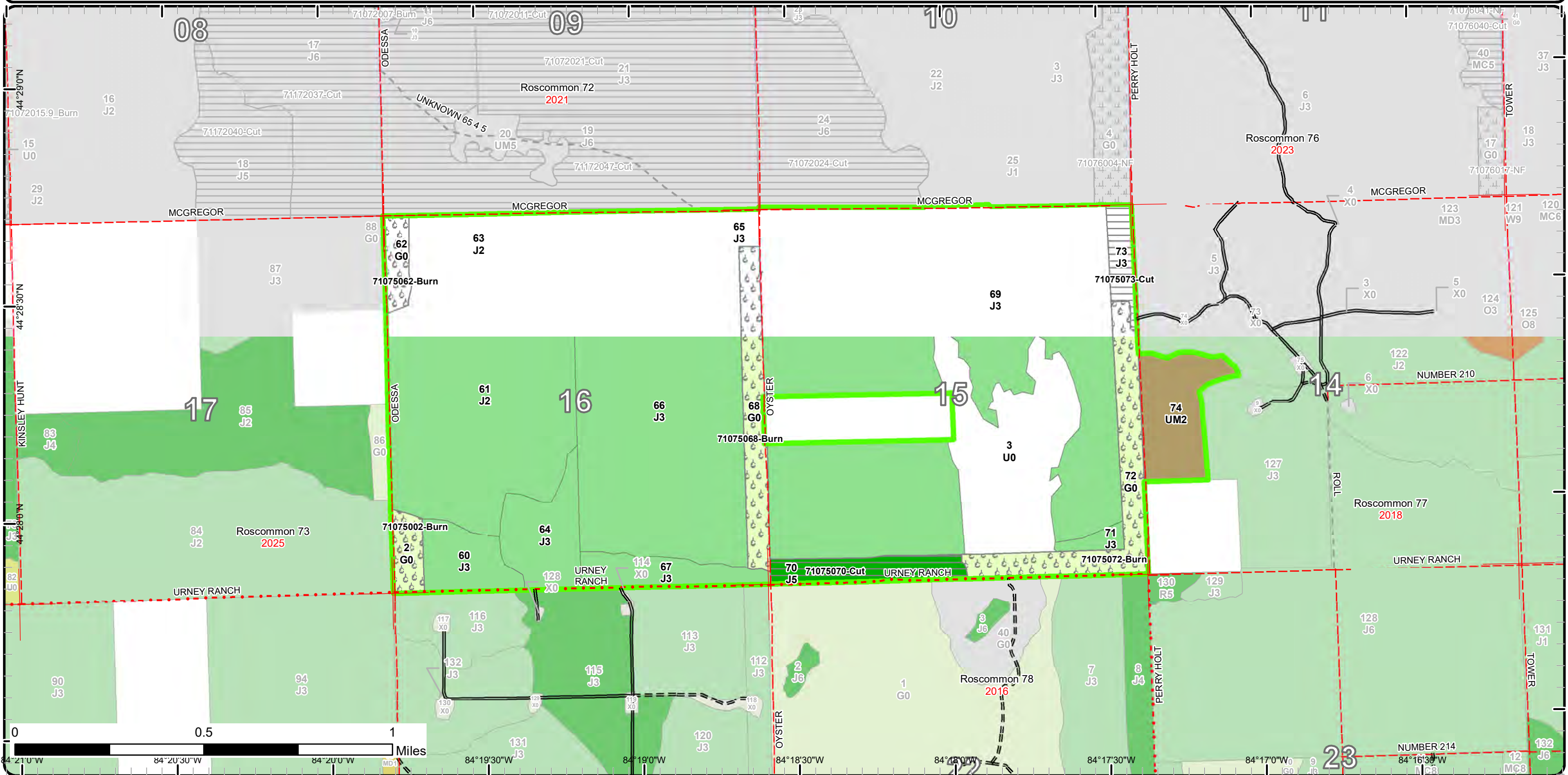
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 75  
 T24N, R01E, Sec. 14-16  
 County: Ogemaw  
 Unit: Roscommon  
 Mgmt Area: Kirtland's Warbler  
 YOY: 2024  
 Acres: 1264.5 GIS Calculated  
 Examiner: Dale Ekdorn  
 Map Revised: 12/27/2022  
 Map Phase: Post-Review



- Miris Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Compartment Boundary
- Clearcut (w/Reserves)
- Prescribed Burn
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees

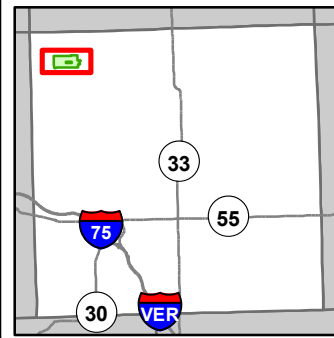


84°21'0"W 84°20'30"W 84°20'0"W 84°19'30"W 84°19'0"W 84°18'30"W 84°18'0"W 84°17'30"W 84°17'0"W 84°16'30"W 84°16'0"W

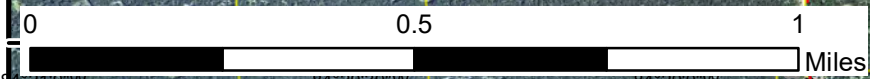
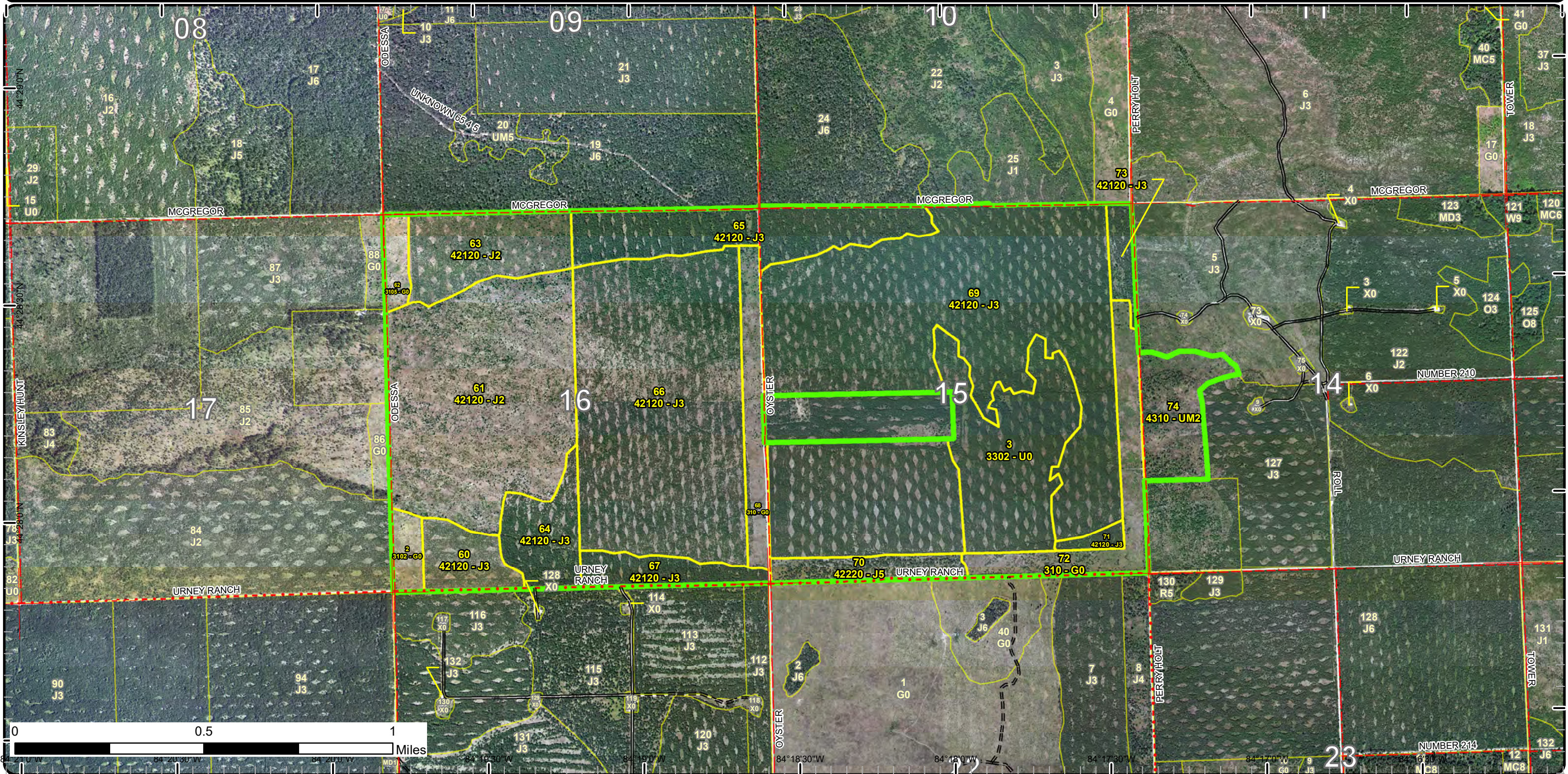


# Stand Boundary Map

Compartment: 75  
 T24N, R01E, Sec. 14-16  
 County: Ogemaw  
 Unit: Roscommon  
 Mgmt Area: Kirtland's Warbler  
 YOE: 2024  
 Acres: 1264.5 GIS Calculated  
 Examiner: Dale Ekdorn  
 Map Revised: 12/27/2022  
 Map Phase: Post-Review



- Miris Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Compartment Boundary
- Stand Boundaries
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 430 - Upland Mixed Forest
  - 310 - Herbaceous Openland
  - 330 - Low Density Trees

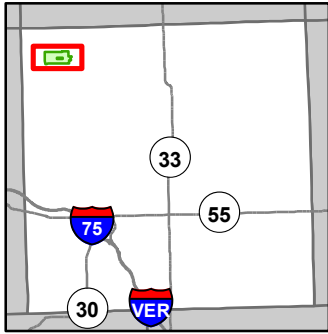


0 0.5 1 Miles

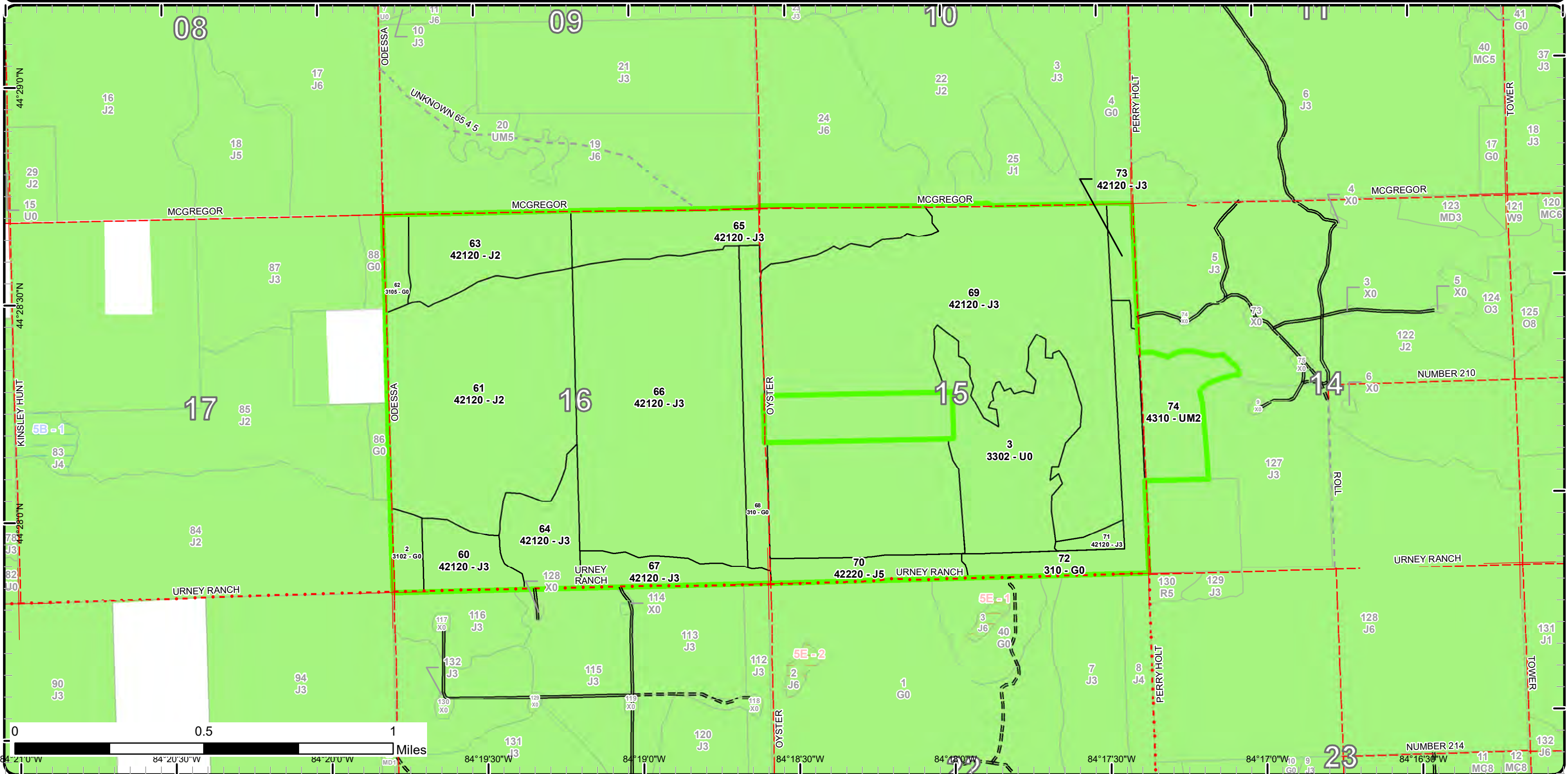


# Special Conservation Areas

Compartment: 75  
 T24N, R01E, Sec. 14-16  
 County: Ogemaw  
 Unit: Roscommon  
 Mgmt Area: Kirtland's Warbler  
 YOY: 2024  
 Acres: 1264.5 GIS Calculated  
 Examiner: Dale Ekdorn  
 Map Revised: 12/27/2022  
 Map Phase: Post-Review



- Miris Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Compartment Boundary
- Stand Boundaries
- Kirtland 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	Total
Herbaceous Openland	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99
Jack Pine	0	0	264	619	155	0	0	0	0	0	0	0	0	0	0	0	0	0	1036
Low-Density Trees	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89
Upland Mixed Forest	0	0	0	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
<b>Total</b>	<b>188</b>	<b>0</b>	<b>264</b>	<b>658</b>	<b>155</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1263</b>



## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2024

Acres of Harvest

Compartment 75  
Total Compartment Acres: 1,265

Commercial Harvest - 33  
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
Jack Pine		33	0	0	0	0	0	0	0	0	33
	<b>Total</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>

### Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		33	0	0	0	99	0	0	0	0	132
Next Step		0	132	0	0	33	0	0	0	0	165
	<b>Total</b>	<b>33</b>	<b>132</b>	<b>0</b>	<b>0</b>	<b>132</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>298</b>



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

**Approved Treatments:**

2	71075002- Burn	11.1	3102 - Grass	Nonstocked			Burn	Fuel Break	310 - Herbaceous Openland		No
<p><u>Prescription</u> burn or masticate to maintain as fuelbreak  <u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Other - Specify  <u>Treatments:</u></p> <p><u>Acceptable</u>  <u>Regen:</u></p> <p><u>Other</u>  <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
62	71075062- Burn	10.6	3105 - Mixed Upland Herbaceous	Nonstocked			Burn	Fuel Break	310 - Herbaceous Openland		No
<p><u>Prescription</u> burn or masticate to maintain as fuelbreak  <u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Other - Specify  <u>Treatments:</u></p> <p><u>Acceptable</u>  <u>Regen:</u></p> <p><u>Other</u>  <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
68	71075068- Burn	31.1	310 - Herbaceous Openland	Nonstocked			Burn	Fuel Break	310 - Herbaceous Openland		No
<p><u>Prescription</u> burn or masticate to maintain as fuelbreak  <u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Other - Specify  <u>Treatments:</u></p> <p><u>Acceptable</u>  <u>Regen:</u></p> <p><u>Other</u>  <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											





Standard

	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
70	71075070-Cut	21.4	42220 - Natural Jack Pine	Poletimber Medium	35	1-50	Harvest	Clearcut	310 - Herbaceous Openland		No
<u>Prescription</u> Clearcut and chip tops prior to burning or mastication to maintain as fuelbreak <u>Specs:</u> <u>Next Step</u> Burn, Fuel Break; SitePrep, Other - Specify <u>Treatments:</u> <u>Acceptable</u> maintain as grass for fuelbreak <u>Regen:</u> <u>Other</u> no specific retention due to fuelbreak status <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2023											
72	71075072-Burn	46.3	310 - Herbaceous Openland	Nonstocked				Burn	Fuel Break	310 - Herbaceous Openland	No
<u>Prescription</u> burn or masticate to maintain as fuelbreak <u>Specs:</u> <u>Next Step</u> SitePrep, Other - Specify <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2023											
73	71075073-Cut	11.7	42120 - Planted Jack Pine	Sapling Well	27	Immature	Harvest	Clearcut	310 - Herbaceous Openland		No
<u>Prescription</u> clearcut and chip tops prior to burning or mastication to maintain as a fuelbreak <u>Specs:</u> <u>Next Step</u> Burn, Fuel Break; SitePrep, Other - Specify <u>Treatments:</u> <u>Acceptable</u> maintain as grass for fuelbreak <u>Regen:</u> <u>Other</u> no retention due fuelbreak status <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2023											

**Total Treatment** 132.2  
**Acreage Proposed:**

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
----------	--------------	-------------	----------------	-------

---

Comments

---





**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

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

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

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments															
2	3102 - Grass	Nonstocked	11.1			Managed Opening	fuelbreak with scattered JP/oak saps															
3	3302 - Low Density Conifer Trees	Nonstocked	89.4	0	Unspecified	No	KW planted jack pine 1999 after Mech Fire in 1998. Suffered a wildfire in August 2018 which burnt a lot of the jack pine (over 80%), burned along with Stand 40 to the south of the county road in 71078. Stand is now a "U" type with lots of dead standing trees interspersed with islands of green trees. No treatment desired at this time by KW gurus.															
60	42120 - Planted Jack Pine	Sapling Well	24.5	15	Immature	N/A	cut spring 2007, planted 5/2008 to jack pine for KW															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Sapling</td> <td>1</td> <td>15</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	100	Sapling	1	15					
Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	100	Sapling	1	15																		
61	42120 - Planted Jack Pine	Sapling Medium	186.2	17	Immature	N/A	seeded to jack pine in June 2005, re-planted to jack pine in May 2006, scattered oak clumps, west end is less sparse than east 3/4's															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>98</td> <td>Sapling</td> <td>1</td> <td>17</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	2	Sapling	1		Jack Pine	98	Sapling	1	17
Canopy Species	% Cover	Size Class	DBH	Age																		
Black/Red (Hybrid) Oak	2	Sapling	1																			
Jack Pine	98	Sapling	1	17																		
62	3105 - Mixed Upland Herbaceous	Nonstocked	10.6			Managed Opening	fuelbreak with scattered JP/Oak saps and JP poles															
63	42120 - Planted Jack Pine	Sapling Medium	52.3	15	Immature	N/A	planted to JP in May 2008 for KW															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>95</td> <td>Sapling</td> <td>1</td> <td>15</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	5	Sapling	1		Jack Pine	95	Sapling	1	15
Canopy Species	% Cover	Size Class	DBH	Age																		
Black/Red (Hybrid) Oak	5	Sapling	1																			
Jack Pine	95	Sapling	1	15																		
64	42120 - Planted Jack Pine	Sapling Well	33.6	32	Immature	N/A	north part of this KW plantation underburned in the 1998 Mech Fire															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Sapling</td> <td>3</td> <td>32</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	100	Sapling	3	32					
Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	100	Sapling	3	32																		
65	42120 - Planted Jack Pine	Sapling Well	72.1	35	Immature	N/A	largest trees just past merchantable size															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Sapling/Pole</td> <td>4</td> <td>35</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	100	Sapling/Pole	4	35					
Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	100	Sapling/Pole	4	35																		
66	42120 - Planted Jack Pine	Sapling Well	225.2	23	Immature	N/A	KW planted 1999 after Mech Fire in 1998															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>100</td> <td>Sapling</td> <td>2</td> <td>23</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	100	Sapling	2	23					
Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	100	Sapling	2	23																		
67	42120 - Planted Jack Pine	Sapling Well	22.7	35	Immature	N/A	just reaching pole size, fuelbreak??															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black/Red (Hybrid) Oak</td> <td>5</td> <td>Sapling</td> <td>1</td> <td>34</td> </tr> <tr> <td>Jack Pine</td> <td>95</td> <td>Sapling</td> <td>3</td> <td>35</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Black/Red (Hybrid) Oak	5	Sapling	1	34	Jack Pine	95	Sapling	3	35
Canopy Species	% Cover	Size Class	DBH	Age																		
Black/Red (Hybrid) Oak	5	Sapling	1	34																		
Jack Pine	95	Sapling	3	35																		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
68	310 - Herbaceous Openland	Nonstocked	31.1			Managed Opening	maintained fuelbreak with scattered oak and jack pine saplings and poles, masticate or burn to maintain as fuelbreak
69	42120 - Planted Jack Pine	Sapling Well	382.2	23	Immature	N/A	KW planted jack pine 1999 after Mech Fire in 1998, scattered oak saplings also
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Jack Pine	100	Sapling	2	23	
70	42220 - Natural Jack Pine	Poletimber Medium	21.4	35	1-50	N/A	needs regular fuel break maintenance to further reduce jack pine component in stand, approximately 50% crown closure so will be J6 next YOE
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Pin Cherry	5	Sapling	1		
		Jack Pine	95	Pole	5	35	
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Jack Pine	Medium	5 - 10 feet	Sapling		
71	42120 - Planted Jack Pine	Sapling Well	5.2	35	Immature	N/A	largest trees are just reaching pole size
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Jack Pine	100	Sapling	3	35	
72	310 - Herbaceous Openland	Nonstocked	46.3			Managed Opening	Maintained fire break, scattered jack pine and oak saplings with some concentrated areas of saplings especially the north end, burn or masticate to maintain fuelbreak
73	42120 - Planted Jack Pine	Sapling Well	11.7	27	Immature	N/A	forested portion of the fuelbreak which was burned in 2007, largest trees are just merchantable, chip and then maintain with fire when trees are more merchantable or treat now with Stand 70 to the southwest?
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Jack Pine	100	Sapling/Pole	4	27	
74	4310 - Pine, Oak Mix	Sapling Medium	39.1	23	Immature	N/A	Part of Mech Fire from 1998, mostly oak and jack pine saplings but also has scattered red and jack pine poles/saw-logs, was never planted after the fire.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Black/Red (Hybrid) Oak	2	Log/Pole	12		
		Black/Red (Hybrid) Oak	40	Sapling	2		
		Red Pine	3	Log	12		
		Jack Pine	50	Sapling	2	23	
		Jack Pine	5	Log/Pole	10		