



# Compartment Review Presentation

Grayling Forest Management Unit

Compartment 72067

Entry Year 2025

Acreage: 1,964

County Iosco

Management Area: High Sand Plains

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**Stand Examiner:** Trevor Kubitskey

**Legal Description:**

T24N R08E Sections 7, 8, 9 Oscoda Township

**Identified Planning Goals:**

To maintain species diversity while also addressing sustainability, forest health, productivity, wildlife habitat requirements, aesthetics, best management practices and recreational opportunities throughout the compartment.

**Soil and topography:**

The compartment is dominated by Grayling Sand with a small component of Graycalm sands. These soil types are very excessive to somewhat excessively drained that are associated with Outwash plains. Topography is overall flat with some rolling hills scattered throughout.

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

The compartment is contiguous state land with the exception of a small private parcel within Sec 9 along Pine Rd. Land use and development has been limited. There has been one know lease for mineral exploration in section 7, but has since been plugged and the area rehabilitated.

**Unique Natural Features:**

There has been a historical presence of Eastern Massasauga Rattlesnake but has not been observed since the 1950's. The drainage or headwaters to Coppler Creek; a designated Type 1 Trout Stream begins in the SE portion of section 9.

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

There are no known concerns within the compartment.

**Special Management Designations or Considerations:**

Portions of the compartment are within the Wurtsmith Bombing and Gunnery Range (BGR) and Formerly Used Defense Site (FUDS). Directors order has restricted the entrance and use of equipment in T24N, R08E Sections 7 & 8 (west of Lenard Rd).

**Watershed and Fisheries Considerations:**

The drainage for Coppler Creek starts in the SE of Section 9.

**Wildlife Habitat Considerations:**

Maintain a mix of Forest types, and age structure to provide different habitat opportunities and travel corridors. Utilize Long Term Retention to maintain healthy Oak for continued mast production.

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

Surface sediments consist of lacustrine (lake) sand and gravel. Glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have a current economic use. Gravel pits are located two miles to the northeast and there may be potential. Exploration for oil and gas is limited in this area. The Antrim Shale formation was tested in Sections 7 and 10 without apparent success. The closest production is from the Antrim Shale 18 miles to the north. The compartment is not leased.

**Vehicle Access:**

Access to and within the compartment is fair. Sections 7 and 8 are within the Wurtsmith Bombing and Gunnery Range (BGR) and Formerly Used Defense Site (FUDS). Directors order has restricted the entrance and use of equipment in these sections resulting in vehicle traffic having to stay on the established county roads (Fawn Rd, Wilber Rd and Lenard Rd). All forest roads are closed to ORV's and Vehicles within Sections 7 & 8 (portions west of Lenard Rd).

**Survey Needs:**

None at this time.

**Recreational Facilities and Opportunities:**

The Old State House ORV Trail and Route traverse through the compartment. There is heavy use by hunters within the

compartment as well.

**Fire Protection:**

A fuel break was established in section 9 along Indian Rd. This was established with a Fuels Reduction Grant. The fire potential within the compartment is minimal, but there still is a component of highly volatile, young pine that could yield high intensity fire behavior. With a well established network of roads, first responders would have good access to the area.

**Additional Compartment Information:**

The compartment borders the Huron-Manistee National Forest on the west side.

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

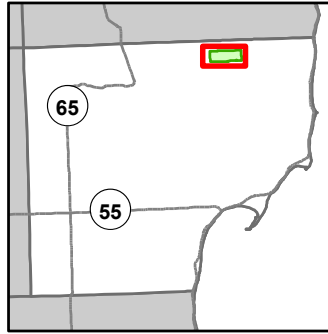
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

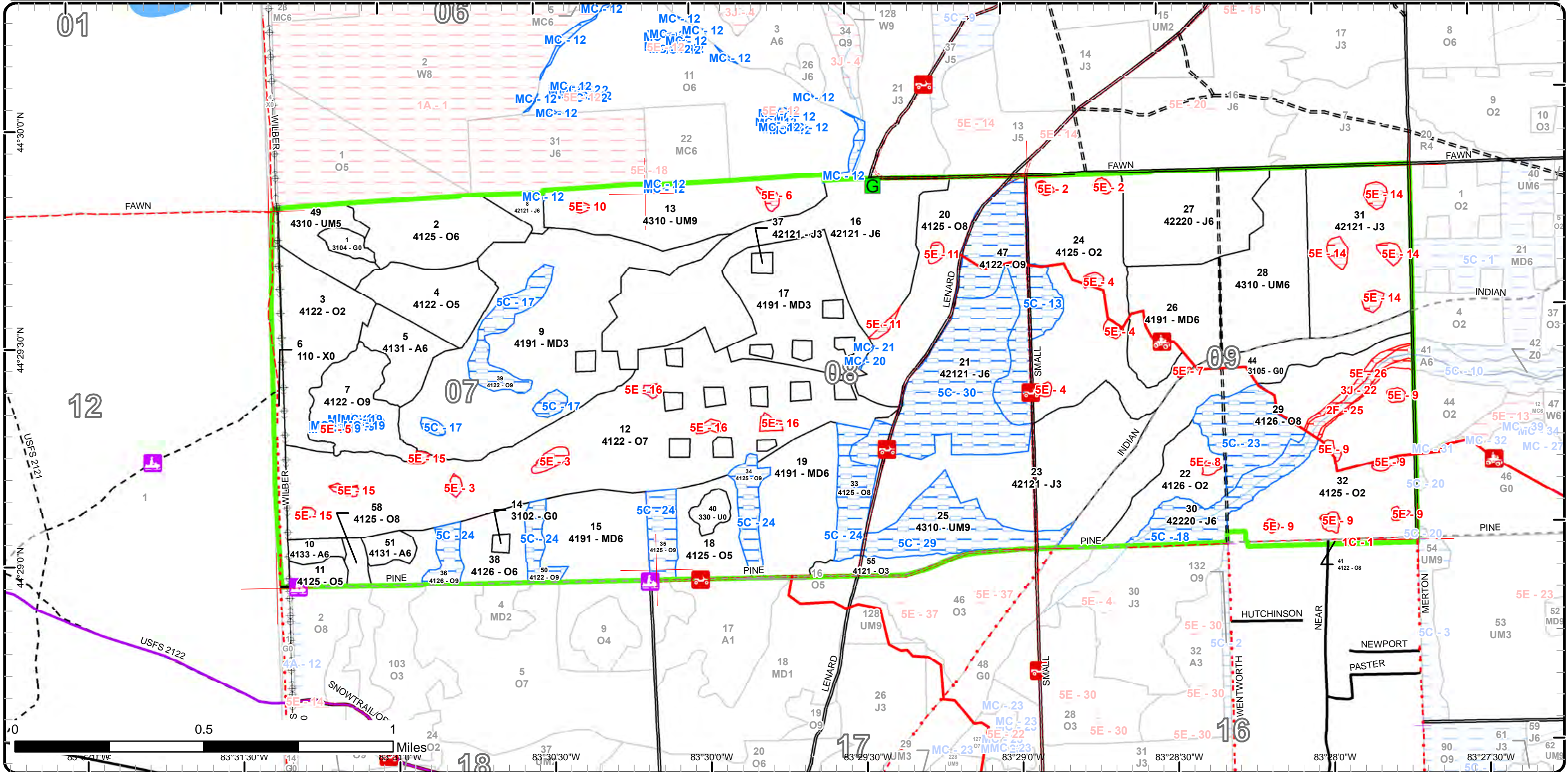
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Special Conservation Areas

Compartment: 67  
 T24N, R08E, Sec. 07-09, 17-18  
 County: Iosco  
 Unit: Grayling  
 Mgmt Area: High Sand Plains  
 YOE: 2025  
 Acres: 1964.2 GIS Calculated  
 Examiner: Trevor Kubitskey  
 Map Revised: 11/28/2023  
 Map Phase: Post-Maps

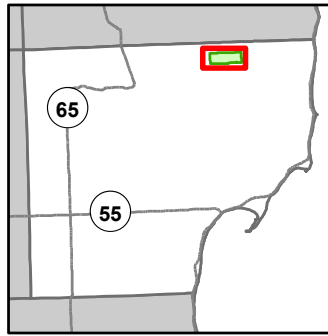


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 ORV Routes
- 🚙 Snowmobile Trails
- Designated ATV
- Designated ORV Route
- Designated Snowmobile Trails
- G Gate
- Intermittent Stream
- Perennial River
- ⚡ Powerline
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1C: Other dept or div proc/practices
- 2F: Too steep
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams

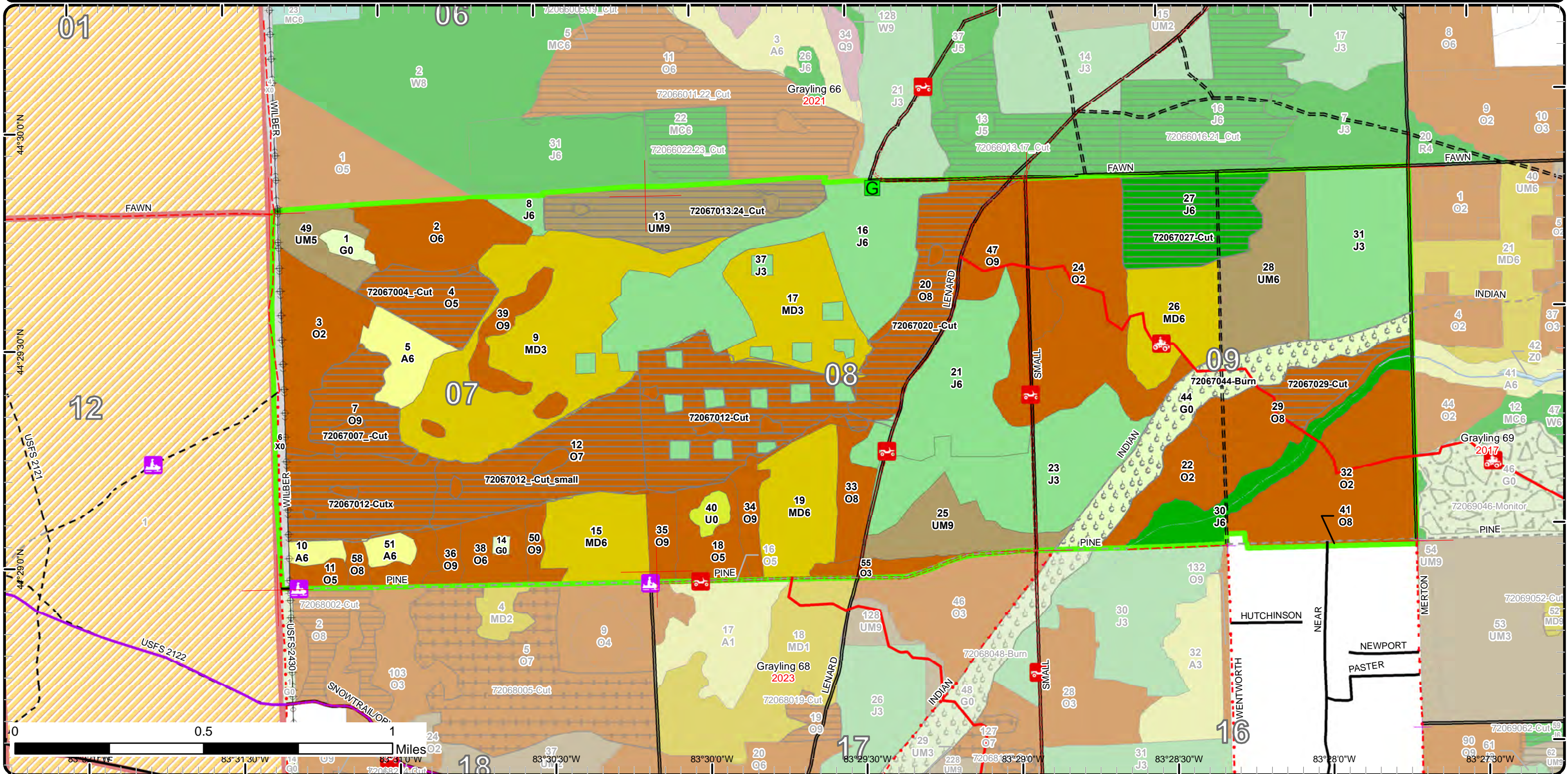


# Cover Type & Treatments Map

Compartment: 67  
 T24N, R08E, Sec. 07-09, 17-18  
 County: Iosco  
 Unit: Grayling  
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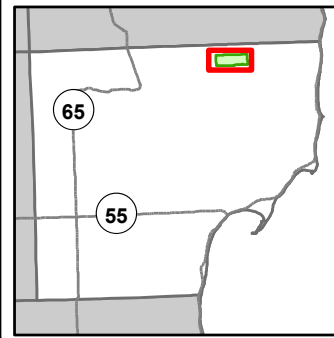


- |  |                                |                             |
|--|--------------------------------|-----------------------------|
| — Miris Corners                            | — Designated ATV               | ■ 430 - Upland Mixed Forest |
| ⊕ Remonumented Section Corners             | - - - Designated ORV Route     | ■ 110 - Low Intensity Urban |
| ⊠ Counties                                 | — Designated Snowmobile Trails | ■ 310 - Herbaceous Openland |
| — DNR - Secondary Forest Road              | ⊕ Gate                         | ■ 330 - Low Density Trees   |
| — DNR - Forest Access Route                | — Intermittent Stream          |                             |
| — Federal / State / County - Paved Road    | — Perennial River              |                             |
| - - - Federal / State - Dirt / Gravel Road | ⊕ Powerline                    |                             |
| - · - · County - Gravel Road               | ⬢ Compartment Boundary         |                             |
| - - - County - Dirt Road (Seasonal)        | ⬢ Clearcut (w/Reserves)        |                             |
| - - - Private - Dirt / Gravel Road         | ⬢ Prescribed Burn              |                             |
| 🛵 ORV Trails                               | ■ 412 - Oak Types              |                             |
| 🛵 ORV Routes                               | ■ 413 - Aspen                  |                             |
| 🛷 Snowmobile Trails                        | ■ 419 - Mixed Upland Deciduous |                             |
|  | ■ 421 - Planted Pines          |                             |
|  | ■ 422 - Natural Pines          |                             |

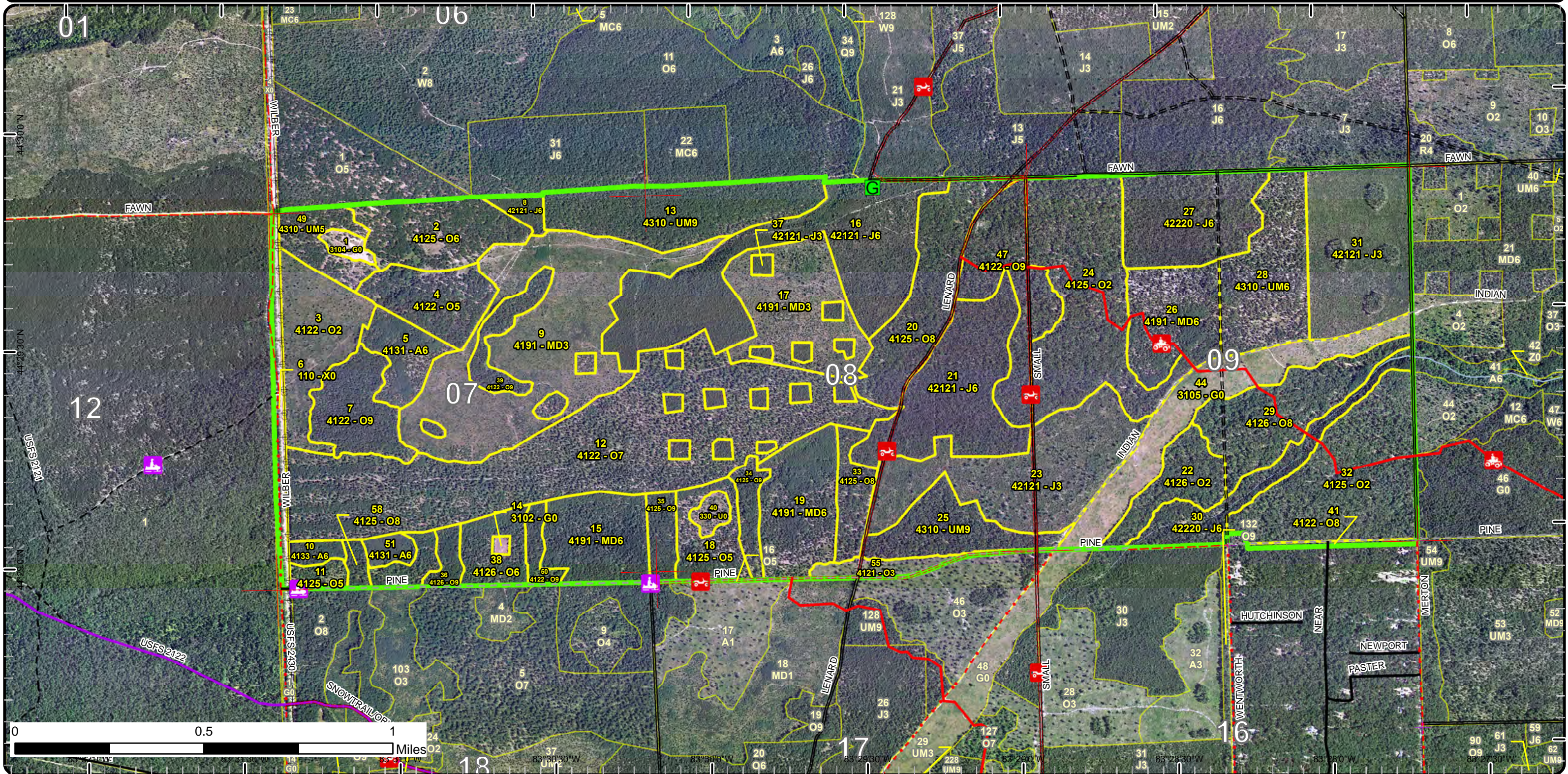


# Stand Boundary Map

Compartment: 67  
 T24N, R08E, Sec. 07-09, 17-18  
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 Unit: Grayling  
 Mgmt Area: High Sand Plains  
 YOE: 2025  
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- Miris Corners
- + Remonumented Section Corners
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- Compartment Boundary
- Stand Boundaries
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 330 - Low Density Trees





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	22	12	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Herbaceous Openland	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
Jack Pine	0	0	163	118	23	0	0	127	33	0	0	0	0	0	0	0	0	0	464
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	190	44	85	0	0	0	0	0	0	0	0	0	0	0	0	0	319
Oak	0	222	46	0	58	0	0	0	138	120	302	4	0	0	0	0	0	0	889
Upland Mixed Forest	0	0	0	0	56	0	20	0	0	0	34	62	0	0	0	0	0	0	172
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
<b>Total</b>	<b>85</b>	<b>222</b>	<b>399</b>	<b>184</b>	<b>234</b>	<b>0</b>	<b>20</b>	<b>127</b>	<b>171</b>	<b>120</b>	<b>336</b>	<b>66</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1963</b>



## Report 2 – Treatment Summary

Grayling Mgt. Unit

Compartment 67

Year of Entry: 2025

Acres of Harvest

Total Compartment Acres: 1,964

Commercial Harvest - 458  
 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	55	0	0	0	0	0	0	0	0	55
Oak	344	0	0	0	0	0	0	0	0	344
Upland Mixed Forest	60	0	0	0	0	0	0	0	0	60
<b>Total</b>	<b>458</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>458</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	458	0	0	0	58	0	0	0	0	516
Next Step	0	0	0	0	0	0	266	0	0	266
<b>Total</b>	<b>458</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>266</b>	<b>0</b>	<b>0</b>	<b>782</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
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**Approved Treatments:**

4	72067004_- Cut	31.6	4122 - Oak, Pine	Poletimber Medium	70	51-80	Harvest	Clearcut	4122 - Oak, Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest stand, no retention due to relative small stand size. Protect recreation trails. Use standard trail specs.  <u>Specs:</u>  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u>  <u>Regen:</u>  <u>Other</u> Let stand naturally regenerate to Oak, Jack pine and aspen.  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2020</p>											
7	72067007_- Cut	32.7	4122 - Oak, Pine	Sawtimber Well	99	51-80	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	No
<p><u>Prescription</u> Final harvest stand. Leave retention in islands. Leave all white pine. Protect recreation trail. Use standard trail specs.  <u>Specs:</u>  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u>  <u>Regen:</u>  <u>Other</u> Let stand regenerate naturally. Would accept oak and jack pine as natural regen.  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2020</p>											
12	72067012_- Cut_small	69.4	4122 - Oak, Pine	Sawtimber Poor	95	1-50	Harvest	Clearcut	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Split stand up in to three even units. Final harvest one unit this YOE, work on harvesting the remaining units in following inventory cycles.  <u>Specs:</u> No retention within the sale boundary to maximize oak regeneration. Use remaining 2/3 of stand as retention. Protect recreation trail. Use standard trail specs.  <u>Next Step</u>  <u>Treatments:</u>  <u>Acceptable</u>  <u>Regen:</u>  <u>Other</u> Let stand regenerate naturally to Oak. Protect regen as much as possible.  <u>Comment:</u>  <u>Site Condition</u>  <u>Proposed Start Date:</u> 10/1 /2020</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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12	72067012-Cut	81.6	4122 - Oak, Pine	Sawtimber Poor	95	1-50	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	No
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Prescription Final harvest all stems 2" DBH and up. Leave 3-5% retention in islands. Protect oak and pine saplings. Oak wilt specs will apply.  
Specs:

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

Acceptable Regen: A mix of Oak, aspen, red maple and mixed pine that meets minimum stocking criteria.

Other Comment: Close any new or existing roads.

Site Condition

Proposed Start Date: 10/1 /2020

12	72067012-Cutx	51.3	4122 - Oak, Pine	Sawtimber Poor	95	1-50	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	No
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Prescription Final harvest all stems 2" DBH and up. Leave 3-5% retention in islands. Protect oak and Pine regen. Oak wilt specs will apply.  
Specs:

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

Acceptable Regen: A mix of oak, aspen, red maple, and mixed pine that meet minimum stocking criteria.

Other Comment: Close any new or existing roads.

Site Condition

Proposed Start Date: 10/1 /2014

13	72067013.24_Cut	59.9	4310 - Pine, Oak Mix	Sawtimber Well	100	81-110	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	No
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Prescription Final harvest stand. Leave retention in island form. Protect recreation trails. Use standard trail specs.  
Specs:

Next Step Treatments:

Acceptable Regen:

Other Comment: Let stand regenerate naturally to oak and jack pine.

Site Condition

Proposed Start Date: 10/1 /2020

20	72067020_-Cut	56.2	4125 - Black, N. Pin Oak	Sawtimber Medium	78	51-80	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	No
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Prescription final harvest stand. Leave all pine. Protect recreation trail. Use standard trail specs.  
Specs:

Next Step Treatments:

Acceptable Regen:

Other Comment: Let stand regenerate naturally. Acceptable mix of oak and pine.

Site Condition

Proposed Start Date: 10/1 /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>27 72067027-Cut</b>	54.9	42220 - Natural Jack Pine	Poetimber Well	64	81-110	Harvest	Clearcut with Retention	4310 - Pine, Oak Mix	Even-Aged	No
<p><u>Prescription Specs:</u> Final Harvest all stems 2" DBH and up. 3-5% retention focusing around areas of healthy White Oak or Mixed Red/White Pine. Harvest with stand 29 to the south. Pending the status of the timber sale to the north will determine if retention will need to be placed along the north edge for green up concerns.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any amount of mixed pine or mixed oak that meet minimum stocking criteria. Expect some areas of aspen regen.</p> <p><u>Other Comment:</u> Add Oak wilt specs due to high Oak seedling/sapling densities.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2026</p>										
<b>29 72067029-Cut</b>	20.8	4126 - White, Black, N. Pin Oak	Sawtimber Medium	80	81-110	Harvest	Clearcut with Retention	4121 - Oak, Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Final Harvest stems 4" DBH and up. Retention has already been identified within the 100 ft RMZ buffer for Coppler Creek. Add slash spec to remove all slash within 50 feet of the adjacent burn treatment in stand 44. Leave any Red or White pine greater than 20".</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any combination of White, Pin Oak that meet minimum stocking criteria. Accept any amount of Aspen, Red, White or Jack Pine</p> <p><u>Other Comment:</u> Add Oak wilt spec for regen protection. Add wildlife shrub spec. Cut with stand 27 to the north.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2026</p>										
<b>44 72067044-Burn</b>	57.5	3105 - Mixed Upland Herbaceous	Nonstocked		Unspecified	Burn	Fuel Break	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Periodically burn and/or mow to set back woody vegetation and maintain for fuel break purposes.</p> <p><u>Next Step Treatments:</u> Monitoring, Prescribed Burn</p> <p><u>Acceptable Regen:</u> Any cover that serves fuel break purposes.</p> <p><u>Other Comment:</u> Treat out of YOE with stand 48 of Compartment 68</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

**Total Treatment Acreage Proposed: 515.9**

## Report 4 – Site Conditions

Grayling Mgt. Unit  
Trevor Kubitskey : Examiner

Compartment: 67  
Year of Entry: 2025

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		5C	MC	1C	2F	3J	5E	
33	33	0	0	Aspen							
64	64	0	0	Herbaceous Openland							0
464	352	97	15	Jack Pine	97			2	6	7	
5	5	0	0	Low-Density Trees							
319	319	0	0	Mixed Upland Deciduous		0					0
890	709	151	30	Oak	151	0	4				26
172	136	34	2	Upland Mixed Forest	34	0					2
16	16	0	0	Urban							
1,964	1,635	283	46	Total Forested Acres	282	0	4	2	6	35	
	83%	14%	2%	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	1C: Other dept or div proc/practices	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Dispose							
2	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Grayling Mgt. Unit  
Trevor Kubitskey : Examiner

Compartment: 67  
Year of Entry: 2025

5	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long term retention for stand 32.							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	Available	Minor Change in Acreage	8				
<b>Comments:</b>							

## Report 4 – Site Conditions

Grayling Mgt. Unit

Trevor Kubitskey : Examiner

Compartment: 67

Year of Entry: 2025

13	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	49	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hold to maintain vertical structure, diversity and mast production.							
14	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention for stand 31. 94 year old Oak and mixed pine.							
15	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention for treatment 12-Cutx							
16	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention for treatment 12-cut							
17	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Maintain for mast production and structural diversity.							
18	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	25	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hold.							
19	<b>Available</b>	<b>Minor Change in Acreage</b>	0				
<b>Comments:</b>							

## Report 4 – Site Conditions

Grayling Mgt. Unit

Trevor Kubitskey : Examiner

Compartment: 67

Year of Entry: 2025

20	Available	Minor Change in Acreage	0				
<b>Comments:</b>							
21	Available	Minor Change in Acreage	0				
<b>Comments:</b>							
22	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b> A seasonal drainage that turns into Coppler Creek. Per Fisheries is to retain 100 ft buffer to protect RMZ. Too steep on the south side of the drainage.							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Harvest next entry with surrounding stands that may be ready. Stand is already wind-firm from the adjacent harvest so leave this portion and treat the east half.							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	55	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hold. Stands are providing good mast production and structural diversity.							
25	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	Unavailable	5E: Long-Term Retention	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long term retention for stand 29. Utilizing a part of the 100 ft buffer per fisheries concerns along the drainage to Coppler Creek.							

## Report 4 – Site Conditions

Grayling Mgt. Unit

Trevor Kubitskey : Examiner

Compartment: 67

Year of Entry: 2025

29	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	34	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Hold until next entry.</p>							
30	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	72	Unspecified	Unspecified	Unspecified	Unspecified
<p><b>Comments:</b> Hold until next entry. If needed, can harvest the SE portion (roughly 30 acres).</p>							

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

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**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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
1	3104 - Degraded	Nonstocked	4.9		Unspecified	No	Highly degraded. ORV scramble area, with illegal trails throughout.																																																						
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2	4125 - Black, N. Pin Oak	Poletimber Well	42.5	73	81-110	N/A	Overall diameters increase moving from west to east. Somewhat broken canopy in spots. Mostly poles transitioning to logs. On the border of a log stand. Small aspen clones of fair quality. Sub canopy very clean in west moving to better sub-canopy development to the east. White Oak seems to be good quality and healthy, pin oak is spotty. Better white pine establishment to the east. Scattered illegal ORV use throughout the stand. There is an old ORV trail through the stand, but has since been decommissioned due to the D.O.																																																						
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3	4122 - Oak, Pine	Sapling Medium	46.0	16	Immature	N/A	Stand harvested in 2007 under contract 72-054-02 - Old Range Jack. Similar to the other cuts at the time in the area, this stand was trenched and planted to jack pine between areas of natural regen. Some strips of advanced Jack Pine regen in the central/east portions. Dense, thick stand. Seems to be good cover for wildlife. Age on the Oak is Natural Regen, and the age for the jack pine will represent the age of the planted stock. Jack pine has established well in areas where the oak densities were lower.																																																						
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4	4122 - Oak, Pine	Poletimber Medium	32.4	70	51-80	N/A	Broken stand. Currently under a timber sale contract Moto Oak 72-040-21. Mix of Jack Pine, scrub Pin oak with a few small clones of aspen and red/white pine. Jack Pine is falling out.																																																						
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5	4131 - Aspen, Oak	Poletimber Well	21.7	26	51-80	N/A	Harvested in 1997, sale # 72-024-95. Aspen dominated with a decent oak/mixed deciduous component throughout. Some areas where aspen didn't establish well is currently stocked with mixed oak and jack/white pine. Stand is just reaching pole size class.																																																						
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6	110 - Low Intensity Urban	Nonstocked	16.2		Unspecified	No	Road ROW and Powerline ROW with a thin strip of timber in between. The Old Snowmobile trail route used to traverse this until it was rerouted.																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
7	4122 - Oak, Pine	Sawtimber Well	33.4	99	51-80	N/A	Stand is currently under a timber sale contract 72-040-21 Moto Oak set up for a final harvest. Oak is fair quality, some areas better than others. Pockets of white pine throughout. Retention Island contains mostly pole sized white pine along with healthier mast producing Oaks.																																														
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8	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	6.1	24	1-50	N/A	Planted Jack pine with a mixed deciduous component just reaching pole size. Cut in 1998/1999 and planted in 2004. Some areas contain slightly larger jack pine diameters, either from advanced regen from the harvest or naturally established seedlings. Scattered Oak as well as scattered White Pine. Thick.																																														
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9	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	134.5	16	Immature	N/A	Stand harvested in 2007 under contract 72-058-05 Two Owls Oak. Stand was trenched and essentially interplanted with Jack Pine around natural regen in 2009/2010. There is a FTP (72-559) associated with the trenching and planting but could not find further planting information in the old records, so unsure on planting density. Large stand. Mostly dominated with Oak and Jack Pine. Some pockets heavier to aspen, cherry. Some White Pine and Red Pine scattered throughout. No records indicate the scattered islands are retention.																																														
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10	4133 - Aspen, Mixed Pine	Poletimber Well	5.5	37	81-110	N/A	South facing aspect. Heavy to aspen in the east transitioning to a Red Pine overstory with an oak component underneath. Decent pine establishment under the aspen. Oak is present but doesn't seem to be as established in the canopy as much as similar aged stand in the area.																																														
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11	4125 - Black, N. Pin Oak	Poletimber Medium	6.6	37	1-50	N/A	Interesting stand. Not very consistent as far as stocking, diameters or species. Scattered Log/Xlog Pines, with some larger pole/small log aspen. Small inclusion of Jack pine with mostly scrubby Pin Oak stump sprouts. Old furrow cuts through the eastern half.																																																												
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12	4122 - Oak, Pine	Sawtimber Poor	216.6	95	1-50	N/A	Stand is currently under contract. Sale #72-044-21 Road Runner Oak and #72-040-21 Moto Oak. Stand was split into two sales. Thick Oak regeneration with mixed pine. Stand was shelterwood cut in 2005 under contract 72-020-05 Giant Squid Oak and was also '5 Spotted' to try to promote Oak. Far west portions of the stand were treated in the 1980's by means of various fuelwood cuts based on old TCR's. Stand will have no issues coming back to Oak.																																																												
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13	4310 - Pine, Oak Mix	Sawtimber Well	61.8	100	81-110	N/A	Stand is currently under contract 72-024-21 I'm Your Huckleberry Mix. Stand is dominated by over mature Jack Pine, poor quality Pin Oak and scattered White Oak, White Pine and Red Pine.																																																												
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14	3102 - Grass	Nonstocked	1.4		Unspecified	No	Gas well plugged 3/18/02, Mercury Exploration Co., STATE OSCODA (NOMECO-MERCURY) D3-7.																																																												
15	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	39.8	37	81-110	N/A	Records indicate stand was final harvested in 1986 leaving all Red Pine. Similar to the other stands in the area, White Pine was most likely left as well. Scattered Red/White Pine pockets found throughout with a small inclusion of jack pine in the far south central portion near the road. Aspen clones mostly present in the Eastern half of the stand. Based on observations, it appears that there was a lot of advanced regen in the stand when it was harvested in 1986, especially in the aspen. West/North west portions are mostly Oak/Pine with transitioning to Aspen/Pine to the east.																																																												
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16	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	111.8	24	1-50	N/A	Planted Jack pine with a mixed deciduous component just reaching pole size. Cut in 1998/1999 and planted in 2004. Some areas contain slightly larger jack pine diameters, either from advanced regen from the harvest or naturally established seedlings. Scattered Oak as well as scattered White Pine. Thick.																																																								
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17	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	55.9	16	1-50	N/A	Stand harvested in 2007 72-058-05 Two Owls Oak. Stand did have an FTP associated with it C72-559 for trench and plant JP around natural regen, but could not find it in our records. Stand was trenched 2008/2009 based on imagery but could not find completion report for trenching or planting. Age for jack pine is going to be roughly 1-2 years younger than the natural Oak regen. Stand is dominated by natural regen Oak, aspen and cherry with a planted component.																																																								
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18	4125 - Black, N. Pin Oak	Poletimber Medium	22.8	37	51-80	N/A	Stand harvested in 1986 leaving all Red and White Pine. Majority of those pines are now open grown and limby. Oak dominates the stand in most areas, except in the Southern/Southwest portion where the aspen clone is present. A lot of stump sprout origin oak. Good density of White and Red Pine seedling/saplings in the SW as well.																																																								
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19	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	45.6	37	51-80	N/A	Stand harvested in 1986. The old TCR mentions leaving all Red Pine, but it appears that it was leave all Red/White Pine. The aspen component of the stand is primarily in the north, then transitions into a more broken, scrubby Oak, mixed pine component moving south. White pine has established itself well in the sub-canopy with varying heights from 2' up to 15'. PARVHA Soils. Most supercanopy pines are open grown and limby.																																																								
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<b>20</b>	4125 - Black, N. Pin Oak	Sawtimber Medium	55.6	78	51-80	N/A	Stand is currently under contract. Sale # 72-044-21 Road Runner Oak. Stand is mostly declining Pin Oak and Jack Pine.																																																			
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<b>21</b>	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	72.4	65	81-110	N/A	Rough stand. Aspen clone in the south is reaching maturity, Jack Pine overall is declining, and larger canopy Pin Oak is fair. The couple large crowned/large diameter White Oak observed were in really good shape. Declining canopy is giving way to Oak. Even the serviceberry that were observed seemed to have anthracnose (witches broom appearance on the buds). Stand has a stagnant appearance throughout. Some better pockets of Jack Pine. IF not treated, stand will naturally develop into an oak stand.																																																			
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<b>22</b>	4126 - White, Black, N. Pin Oak	Sapling Medium	26.1	6	Immature	N/A	Harvested in 2017 under contract 72-003-15 Comp 67 Final Harvest. Oak has regenerated well, pockets of aspen/cherry in the north with scattered jack pine clumps appearing to be on skid trails or landings. Parent stand was 71 years old, mix of Oak and Pine. Some areas of Oak under browse height which are getting hit with browse.																																																			
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<b>23</b>	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	87.9	14	Immature	N/A	Stand was harvested in 2006 (72-055-05 Indian Oak), trenched in 2008 (C72-626) and planted in 2009. Stand is very thick, fair amount of deer browse on the oak. Majority of the Jack Pine is 15-20 feet tall. Seems to be good cover for wildlife. Scattered Oak poles and logs with an occasional Red/White pine log. PVCD soils.																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>24</b>	4125 - Black, N. Pin Oak	Sapling Medium	98.6	6	Immature	N/A	Harvested in 2017 under contract 72-003-15 Comp 67 Final Harvest. White Pines were left during harvest (Residual 8 sq ft). Pin Oak has established well along with pockets of jack pine and some scattered aspen clones. Most of the white pine seedlings are within the edges of the overstory pine canopies. Browse is present on the oak under 6 ft.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Oak	10	Sapling	1		Northern Pin Oak	Low		< 5 feet	Tall Shrub
Jack Pine	15	Sapling	1		White Pine	Low		< 5 feet	Seeding
White Pine	5	Log/Pole	10						
Bigtooth Aspen	5	Sapling	1						
Northern Pin Oak	65	Sapling	1	6					
<b>25</b>	4310 - Pine, Oak Mix	Sawtimber Well	34.3	92	81-110	N/A	Everything besides the Red/White Pine and the White Oak are declining. Borderline O/UM stand. The Jack Pine and Pin Oak are showing their age and declining resulting in mixed Oak and pine coming up underneath. There are some very large diameters on the Pin Oak, with large open grown tops and poor form. Throughout the stand transitions from Mixed Red/White Pine, to scrubby Jack Pine, to pure Oak groves. Very nice White Oak regen present in the central portion under large crowned crop trees. The center of the stand contains a Red Pine inclusion that was aged at 74 years old. Legacy Red Pines present. PVCd soil.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	20	Log/Pole/XLog	12	75	White Oak	Medium		5 - 10 feet	Sapling
Northern Pin Oak	52	Log/Pole/XLog	15	92	Northern Pin Oak	Full		5 - 10 feet	Sapling
White Pine	8	Log/Pole	10		Jack Pine	Low		5 - 10 feet	Sapling
Jack Pine	15	Log/Pole	10	72	Red Pine	Low		Variable	Sapling
White Oak	5	Log	10		White Pine	Low	Variable	Sapling	
<b>26</b>	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	43.5	28	51-80	N/A	Stand was harvested in 95 leaving all Red Pine and scattered Oak. Aspen is patchy (see 2018 IR). The rest of the stand is mostly Pin Oak with a minor component of mixed pine and White Oak. Far east portion along the road contains a higher residual of the red pine and pin oak that was left ~108 sq ft with some Xlog Red Pine. White Oak seems to be more prevalent in the southern half. Also, better overall stocking and stem densities in the southern half.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Jack Pine	10	Sapling/Pole	4		Black Cherry	Low		5 - 10 feet	Sapling
Quaking Aspen	35	Sapling/Pole	4	28	White Oak	Low		< 5 feet	Seeding
Red Pine	5	Pole/Log/XLog	9		Northern Pin Oak	Medium		< 5 feet	Seeding
Northern Pin Oak	30	Pole/Sap/Log	5		White Pine	Low		< 5 feet	Seeding
White Pine	5	Log/Pole	12		Red Pine	Low	5 - 10 feet	Sapling	
<b>27</b>	42220 - Natural Jack Pine	Poletimber Well	54.9	64	81-110	N/A	Old plantation. Furrows are still visible. Variable diameters on the pin oak, small poles to xlogs with overall health fair. Small aspen clone in the central portion near the road. Jack Pine is still ok, but there is mortality present.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Northern Pin Oak	15	Log/Pole	10		Jack Pine	Low		Variable	Sapling
Jack Pine	65	Pole	7	64	Northern Pin Oak	High		5 - 10 feet	Sapling
White Oak	2	Log	14		White Pine	Low		< 5 feet	Sapling
Quaking Aspen	5	Pole	7		White Oak	Low		Variable	Sapling
Red Pine	8	Log/Pole	13		Red Pine	Low	< 5 feet	Seeding	
White Pine	5	Pole/Log	8						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>28</b>	4310 - Pine, Oak Mix	Poletimber Well	55.5	37	51-80	N/A	Stand was harvested in 1986 removing all Oak, Jack Pine and Aspen. Scattered Red and White Pine were left which gives the stand a multi-aged appearance. Larger scattered red/white pine logs intermixed throughout which are mostly open grown and limby. Small aspen clones throughout. Brushy stand. Good sapling Oak recruitment. Stocking levels variable. BA swings: 80, 100, 40, 40. Some scattered wildlife type openings throughout as well.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	5	Pole	6		White Oak	Low		5 - 10 feet	Sapling
Northern Pin Oak	40	Pole/Sap/Log	7	37	Northern Pin Oak	Medium		5 - 10 feet	Sapling
Jack Pine	25	Pole	5		Red Pine	Medium		Variable	Sapling
White Oak	10	Pole	7		White Pine	Low		< 5 feet	Seeding
Red Pine	10	Pole/Sap/Log	8						
White Pine	10	Log/Pole/Sap	10						
<b>29</b>	4126 - White, Black, N. Pin Oak	Sawtimber Medium	51.9	80	81-110	N/A	Harvested in 1986 with a species removal of all Jack Pine, Aspen, and some Red Pine. Oak recruitment is very good. Majority of overstory Pin Oak is beginning to decline; lots of wind throw, snapped tops and die back. Some areas of healthy, large crowned White and Pin Oak. East half transitions into an aspen stand, with rolling topography.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	5	Log/Pole	10		White Oak	Medium		5 - 10 feet	Sapling
Quaking Aspen	5	Pole/Log	8		Red Pine	Low		Variable	Sapling
Jack Pine	5	Pole	7		Black Cherry	Low		5 - 10 feet	Sapling
Red Pine	10	Log/Pole	11		Quaking Aspen	Low		10 - 20 feet	Sapling
Northern Pin Oak	55	Log	12	80	White Pine	Medium		< 5 feet	Seeding
White Oak	20	Log	14		Northern Pin Oak	High		Variable	Sapling
					Jack Pine	Low	5 - 10 feet	Sapling	
<b>30</b>	42220 - Natural Jack Pine	Poletimber Well	32.8	78	81-110	N/A	A good example of site index/soil moisture gradient. Higher moisture content in the east, drying out moving southwest. the Majority of the stand in the east is a north/north west facing slope with a drainage in the bottom. Maps show Coppler Creek running through the valley bottom but no defined stream bed is present which it could possibly be just a drainage, or the 'headwaters' of the creek. Tag Alder, serviceberry, hawthorn, aspen, red maple are found in the east where the soil moisture is higher. Moving west transitions to a poorer quality Jack Pine/Oak mix. High variability, could go Log or Pole for overall size.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Cherry	2	Pole	9		Balsam Fir	Low		< 5 feet	Sapling
Quaking Aspen	2	Log/Pole	10		White Pine	Low		Variable	Sapling
Red Pine	5	Log/Pole	13		Jack Pine	Low		Variable	Sapling
White Oak	3	Pole	7		Hawthorn (spp.)	Low		5 - 10 feet	Tall Shrub
Northern Pin Oak	10	Log/Pole	11		White Oak	Medium		5 - 10 feet	Sapling
Balsam Fir	1	Pole	6		Juniper	Low		< 5 feet	Tall Shrub
White Pine	10	Log/Pole	10		Black Cherry	Low		5 - 10 feet	Sapling
Red Maple	2	Pole	7		Northern Pin Oak	High		Variable	Sapling
Jack Pine	65	Pole/Log	8	78	Serviceberry (Juneberry)	Low		5 - 10 feet	Tall Shrub
					Tag Alder	Low		5 - 10 feet	Tall Shrub
					Red Pine	Low	Variable	Sapling	
<b>31</b>	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	75.3	14	1-50	N/A	T-SALE # 720560501 "Diamond Island Oak". Trenched in 2008 (C72-593) and planted to JP in 2009. Passed Year 3 regen survey with a mix of planted JP and naturally established O-JP-A-BC. Retention islands are Mature Oak and Jack Pine. Fair amount of naturally established/advanced regen White and Red Pine throughout. Very thick.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Northern Pin Oak	20	Sapling	2	15	Red Pine	Low		< 5 feet	Seeding
Red Pine	5	Sapling/Pole	4		White Oak	Low		5 - 10 feet	Sapling
Black Cherry	10	Sapling	2	15	Northern Pin Oak	Medium		< 5 feet	Sapling
White Pine	5	Pole/Sapling	5						





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>32</b>	4125 - Black, N. Pin Oak	Sapling Medium	85.8	4	1-50	N/A	Final harvest completed January 2019 (Comp 67 Final Harvest 72-003-15) leaving all Red Pine, and protecting pockets of advanced Aspen/White Pine regen from the initial 'prep' harvest in 1995/1996. Oak has established very well, most above browse height. Some areas in the central portion are not quite to acceptable regen height but with low browse pressure observed, there should be no doubt the lower stocked areas will fill in. Heavier Residual Pine densities in the NE/East portions. ORV Trail runs through the stand.	
Canopy Species		% Cover	Size Class	DBH	Age			
White Oak		5	Sapling	1				
Red Pine		15	Pole/Log/Sap	7				
White Pine		8	Pole/Log/Sap	7				
Northern Pin Oak		55	Sapling	1	4			
Red Maple		5	Sapling	1				
Black Cherry		4	Sapling	1				
Bigtooth Aspen		8	Sapling	2				
<b>33</b>	4125 - Black, N. Pin Oak	Sawtimber Medium	16.9	95	51-80	N/A	Variable stocking, inconsistent canopy. Mostly pure Oak with scattered pines. Oak is declining and along with the small areas of overmature aspen and Jack Pine, stand should be treated. Not an impressive sub-canopy. The majority of sub-canopy development is in the far south and north portions. PARVHA soils. Most supercanopy pines are limby and open grown.	
Canopy Species		% Cover	Size Class	DBH	Age			
Bigtooth Aspen		2	Log	12				
Northern Pin Oak		75	Log	13	95			
Red Pine		5	Log/XLog	13				
White Pine		10	Log/Pole	14				
Jack Pine		2	Log/Pole	10				
White Oak		6	Log	11				
Sub-Canopy Species		Density	Avg. Height	Size				
Northern Pin Oak		Low	Variable	Sapling				
White Pine		Low	Variable	Sapling				
Jack Pine		Low	10 - 20 feet	Sapling				
Red Pine		Low	5 - 10 feet	Sapling				
<b>34</b>	4125 - Black, N. Pin Oak	Sawtimber Well	11.3	95	111-140	N/A	Variable stand as far as stocking. Southern portion contains a clean sub-canopy with open grown characteristics. Moving north, stocking increases along with better sub-canopy development especially in the areas under the declining jack pine. Good mixed Oak recruitment. This portion was left un-cut during the adjacent harvests in the late 1980's. Red pine inclusion in the far north.  PARVHA. Log sized stand of primarily oak. As you move north red pine becomes more numerous. Fairly park like underneath with a fair amount of advanced oak regen. JP is present just not in ba swings.	
Canopy Species		% Cover	Size Class	DBH	Age			
Northern Pin Oak		65	Log/Pole	12	95			
Jack Pine		5	Log/Pole	10				
White Oak		17	Log/Pole	13				
White Pine		4	Log/Pole	11				
Red Pine		4	Log	13				
Bigtooth Aspen		5	Log	12				
Sub-Canopy Species		Density	Avg. Height	Size				
White Pine		Medium	Variable	Sapling				
Red Pine		Low	Variable	Sapling				
White Oak		Low	10 - 20 feet	Sapling				
Northern Pin Oak		Medium	5 - 10 feet	Sapling				
Jack Pine		Low	5 - 10 feet	Sapling				
<b>35</b>	4125 - Black, N. Pin Oak	Sawtimber Well	11.4	95	111-140	N/A	Dominated by Pin Oak. Small inclusions of Red/White Pine and White Oak. Scattered stems of aspen and jack pine. Good recruitment of Red/White pine and White Oak saplings. Sub-canopy development decreases moving north. Stand seems fairly healthy, almost thinned in the past? Could have been a fuelwood type harvest but no records show any previous treatment. Residual 113 sq ft.	
Canopy Species		% Cover	Size Class	DBH	Age			
Northern Pin Oak		65	Log/Pole	13	95			
White Pine		5	Log	14				
White Oak		15	Log/Pole	14				
Red Pine		5	Log	16				
Jack Pine		5	Log/Pole	10				
Bigtooth Aspen		5	Log	11				
Sub-Canopy Species		Density	Avg. Height	Size				
Red Pine		Low	5 - 10 feet	Sapling				
Jack Pine		Low	Variable	Sapling				
Northern Pin Oak		Low	Variable	Sapling				
White Oak		Low	10 - 20 feet	Sapling				
White Pine		Low	5 - 10 feet	Sapling				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>36</b>	4126 - White, Black, N. Pin Oak	Sawtimber Well	7.2	93	141-170	N/A	Stand was left out of the 1986 harvests. The north end of the stand favors White Oak, then slowly transitions to a more even mix of Oak to the south. Possible slight change in soil characteristics. Small Red Pine inclusion in the SW. Pockets of decent White Pine and White Oak regeneration towards the southern end varying from 3ft to 15 ft tall. Red Pine saps are present but very spotty. ~150 sq ft				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Oak		50	Log/Pole	11	93	Red Pine		Low	5 - 10 feet	Sapling	
White Pine		2	Log/Pole/XLog	11		White Pine		Low	Variable	Sapling	
Northern Pin Oak		35	Log	12		White Oak		Medium	5 - 10 feet	Sapling	
Jack Pine		2	Pole	8		Northern Pin Oak		Low	Variable	Sapling	
Red Pine		10	Log/Pole/XLog	10							
Red Maple		1	Pole	7							

<b>37</b>	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	22.7	30	1-50	N/A	5 Spot cuts. Were trenched and planted to Jack Pine. Lost of Pin Oak intermixed with pockets of other species. Some encroachment of aspen in a few of the spots. Thick. Majority are reaching pole size but overall still sapling.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Pine		1	Pole/Sapling	5		Northern Pin Oak		Medium	5 - 10 feet	Sapling	
Northern Pin Oak		28	Sapling/Pole	4	30						
Bigtooth Aspen		1	Sapling/Pole	2							
Red Pine		1	Sapling/Pole	4							
Jack Pine		68	Sapling/Pole	4	30						

<b>38</b>	4126 - White, Black, N. Pin Oak	Poletimber Well	29.2	37	1-50	N/A	Multi polygon stand that was harvested in 1986 leaving Red and White Pine. The aspen component is mostly in the SE and in the far west portion. Stand is overall merchantable but does have areas of sapling size classes. Very thick Oak saplings in areas. Overall BA for supercanopy pines is ~16sq ft. Heavier in some areas. May even need another 20 years to gain enough volume for a harvest.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Pine		9	Pole/Log/Sap	8		Serviceberry (Juneberry)		Trace	5 - 10 feet	Tall Shrub	
Jack Pine		2	Pole/Sapling	5		Red Pine		Low	< 5 feet	Seeding	
White Pine		9	Log/Pole/XLog	12		Northern Pin Oak		Medium	5 - 10 feet	Sapling	
Northern Pin Oak		35	Pole/Sapling	5	37	Hawthorn (spp.)		Trace	5 - 10 feet	Tall Shrub	
White Oak		35	Pole/Sapling	6	37	White Pine		Low	< 5 feet	Sapling	
Bigtooth Aspen		10	Pole	6		White Oak		Medium	5 - 10 feet	Sapling	

<b>39</b>	4122 - Oak, Pine	Sawtimber Well	19.4	89	141-170	N/A	Multi-polygon stand that was left out of the adjacent Two Owls Oak sale. This stand was NOT long term retention, but defined as 'No cut' areas during the harvest. Another stand of Mixed Pine and Oak. Scattered limby white pine, with pockets of Red Pine. Oak is fair. Unique mature stand in between younger stands, providing a good wildlife corridor. Density increases moving south. Decent White/Red Pine development in the sub-canopy within the central/northern portion of the larger polygon.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Bigtooth Aspen		2	Pole	7		Red Pine		Low	5 - 10 feet	Sapling	
Northern Pin Oak		66	Log	14	89	White Oak		Low	5 - 10 feet	Sapling	
White Pine		15	Log/Pole	12		Jack Pine		Low	10 - 20 feet	Sapling	
Red Pine		10	Log/Pole/XLog	13		White Pine		Low	Variable	Sapling	
Jack Pine		5	Log/Pole	10		Northern Pin Oak		High	5 - 10 feet	Sapling	
White Oak		2	Log	10							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
40	330 - Low-Density Trees	Nonstocked	5.3	0	Unspecified	No	Broken out of adjacent stand. Not sure if this was an old landing at one point or just a naturally occurring opening. Mostly scrubby cherry with intermixed open grown white pine. A lot of the white pine have been damaged in storms or high winds. Lots of snapped limbs, broken tops.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Sand Cherry	Low	< 5 feet	Tall Shrub	
								Jack Pine	Low	5 - 10 feet	Sapling	
								White Pine	Medium	>20 feet	Log	
Northern Pin Oak	Low	10 - 20 feet	Sapling									
41	4122 - Oak, Pine	Sawtimber Medium	3.7	100	51-80	N/A	Small thin strip of state land south of the county road. Most likely was similar to the parent stand of 32 to the north.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Oak	5	Log	10	
								White Pine	5	Sapling/Pole	4	
								Red Pine	10	Pole	6	
								Northern Pin Oak	65	Log	12	100
								Jack Pine	15	Pole	5	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Northern Pin Oak	Medium	Variable	Sapling	
								White Pine	Low	Variable	Sapling	
Jack Pine	Low	Variable	Sapling									
44	3105 - Mixed Upland Herbaceous	Nonstocked	57.8		Unspecified	Managed Opening	Burned August 2014. Brushy pin oak clumps with scattered red pine. Indian Road Fuelbreak; also extends south into comp 68. Approved by variance in 2012. Created through a Federal Hazardous Fuels Reduction Grant by the end of 2013 (72-009-13-01), final harvested except for widely-scattered leave trees (RP & oak). FTP C72-738 approved for burning.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Oak	5	Log	10	
								Red Pine	5	Pole	5	
								Northern Pin Oak	35	Log	10	72
								Jack Pine	40	Pole	7	72
								Quaking Aspen	15	Pole	7	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Northern Pin Oak	High	5 - 10 feet	Sapling	
								Bigtooth Aspen	Trace	5 - 10 feet	Sapling	
Black Cherry	Low	< 5 feet	Sapling									
Red Pine	Low	>20 feet	Log									
47	4122 - Oak, Pine	Sawtimber Well	49.0	80	81-110	N/A	Mature Oak, Mixed Pine stand broken out of the adjacent planted Jack Pine (Stand 21). Diameters, vary along with age of Oak. Previous inventory and cores varied from 70's up to 100+. The Oak is fairly healthy with some pockets of decline. White Oak is doing very well in the southern portion, with the white oak densities phasing out moving north. Mostly scattered pole JP, WP and PO in the central portion with an inclusion of Red/White and Jack Pine in the far north. Thick blanket of white oak seedlings under large crowned White Oak in the south.  PVC. Oak is dying out of stand. Jack Pine is growing well. Stand is pretty open.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Oak	15	Log/Pole	12	
								White Pine	10	Log/Pole	10	
								Northern Pin Oak	55	Log/XLog/Pole	12	80
								Jack Pine	15	Pole/Log	8	65
								Red Pine	5	Log/Pole	13	
								Sub-Canopy Species	Density	Avg. Height	Size	
								White Oak	Medium	5 - 10 feet	Sapling	
								White Pine	Low	< 5 feet	Seeding	
Jack Pine	Low	5 - 10 feet	Sapling									
Northern Pin Oak	Medium	5 - 10 feet	Sapling									
49	4310 - Pine, Oak Mix	Poletimber Medium	20.3	50	51-80	N/A	Scrubby Oak, Jack pine. Pin oak varies from 6" DBH all the way up to large crowned 18" DBH trees in the canopy. Density throughout is extremely variable. Areas under broken canopies are mostly Pin Oak saps and scattered jack pine. Browse is present on the Oak. Illegal ORV trails, roads scattered throughout.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Northern Pin Oak	45	Pole/Log/XLog	9	
								Jack Pine	50	Pole	7	50
								White Pine	5	Log/Pole	10	
Sub-Canopy Species	Density	Avg. Height	Size									
Jack Pine	Medium	Variable	Sapling									
Northern Pin Oak	Medium	Variable	Sapling									
White Pine	Low	< 5 feet	Seeding									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
<b>50</b>	4122 - Oak, Pine	Sawtimber Well	7.6	79	81-110	N/A	Stand was left out of the adjacent harvests in the late 1980's. Mostly Pin and White Oak with scattered Red and White Pine. A small mature red pine inclusion in the north end. The far southern portion of the stand was treated with the adjacent compartment which was a shelterwood cut. Heavy Oak establishment in the southern portion under the shelterwood but moving north the sub-canopy pine development is very good.  Stand is mostly PVCD, some PARVHAA. Pole/Sapling sized oak with a residual overstory of red pine possibly left from previous harvest. One pocket of log sized oak left in the center.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Oak		10	Log/Pole	11		White Pine		Medium	Variable	Sapling	
Northern Pin Oak		55	Log/Pole	13	79	Red Pine		Low	10 - 20 feet	Sapling	
Jack Pine		5	Pole/Log	9		White Oak		Low	5 - 10 feet	Sapling	
White Pine		15	Log/Pole	11		Northern Pin Oak		Medium	Variable	Sapling	
Red Pine		15	Log/Pole/XLog	15							
<b>51</b>	4131 - Aspen, Oak	Poletimber Well	6.4	37	81-110	N/A	Broken out of the adjacent Oak stand due to stand characteristics. Most likely will be managed with stand 38. Dense clone of aspen with a good component of White Oak that is keeping up with the aspen. Pin Oak doesn't seem to have established well in this stand. Scattered Red and White Pine.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Pine		5	Pole/Log	8		Black Cherry		Low	5 - 10 feet	Sapling	
Northern Pin Oak		5	Pole	5		Northern Pin Oak		Low	Variable	Sapling	
Red Pine		5	Log/XLog	13		Red Pine		Low	< 5 feet	Seeding	
White Oak		20	Pole	6		White Pine		Medium	Variable	Sapling	
Bigtooth Aspen		65	Pole	6	37	White Oak		Medium	5 - 10 feet	Sapling	
<b>55</b>	4121 - Oak, Aspen	Sapling Well	11.1	8	1-50	N/A	Stand harvested in 2015, Comp 068 Mix North #72-014-14-01. Clearcut except leave green marked trees (residual BA=8 sqft). This portion was originally merged with the compartment to the south, but has since been split out. Excellent oak regen with large pockets of aspen. Decent jack pine component throughout as well. Residuals are widely spaced and don't seem to be impeding on new growth.				
Canopy Species		% Cover	Size Class	DBH	Age						
Northern Pin Oak		55	Sapling	1	8						
White Oak		5	Sapling	1							
Bigtooth Aspen		30	Sapling	1							
Jack Pine		10	Sapling	1							
<b>58</b>	4125 - Black, N. Pin Oak	Sawtimber Medium	4.6	95	81-110	N/A	Unsure on history of this stand. Some scarring on the base of the trees possibly from an old thinning. Old furrows run through the north end of the stand. Heavy mortality in the central portion giving way to most of the sub-canopy species listed above. Some scattered overmature aspen.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Pine		5	Log/Pole/XLog	13		Northern Pin Oak		Low	5 - 10 feet	Sapling	
Bigtooth Aspen		5	Log	11		White Pine		Low	5 - 10 feet	Sapling	
Red Pine		5	Log	12		White Oak		Low	10 - 20 feet	Sapling	
White Oak		15	Log	12		Red Pine		Low	5 - 10 feet	Sapling	
Northern Pin Oak		65	Log/XLog	14	95	Jack Pine		Low	10 - 20 feet	Sapling	
Jack Pine		5	Pole	7							