



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71082

Entry Year 2027

Acreage: 2,631

County: Ogemaw

Management Area: High Sand Plains

Stand Examiner: Avery Sanborn

Legal Description:

T22N, R1E, Sections 3, 4, 9, 10, 15, 16.

Identified Planning Goals:

Prescribe harvests for aspen blocks, balancing the aspen age-class distribution while retaining under-represented species within these stands, primarily oak, to maintain species diversity and provide wildlife value. Utilize thinning treatments to promote the vigor of expansive oak stands and induce the initiation of desirable species in the subcanopy.

Soil and topography:

Soils consist primarily of Graycalm Sands of variable relief. Mucky soils are more prevalent in association with low areas near the headwaters of Ogemaw Creek. Topography ranges from gently rolling to steep slopes in excess of 35 percent. Highest site productivity in most of the compartment occurs in association with parts of the ridges where ph and clay content is presumably higher on some sands and loamy sands. There is also a small inclusion of better soils in proximity to the oil/gas sites in the southern part of the compartment.

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

State land ownership within this compartment is well-consolidated, with only two outlying parcels separate from the main block; these two parcels are proposed for disposal.

Unique Natural Features:

None noted on the conservation area reviewer.

Archeological, Historical, and Cultural Features:

There is some presence of archaeological features, likely in association with historic activity in proximity to the railroad.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Section 10 of this compartment, home to the aptly named 'Ogemaw Springs', holds the headwaters of Ogemaw Creek, a tributary of the Rifle River. The state lands in close proximity to these waters in the SE quarter of section 10 have been proposed for disposal.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Sections 3-4, 9-10, & 15-16, T22N R1E, Ogemaw County: Surface sediments consist of ice contact outwash sand and gravel, glacial outwash sand and gravel and postglacial alluvium. No known potential exists for economic deposits of metallic minerals in this part of the state. The closest known active sand/gravel operation is more than two miles east. There is some good potential for development of sand & gravel within the compartment on the uplands. Part of the West Branch oil & gas field occurs within the compartment including three producing wells. Producing units are holding active leases within the compartment, and some additional (non-producing) State oil & gas leases in the compartment expired earlier this year. There has been no recent well permitting activity in the area. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Vehicle access throughout the compartment is good with quarter section roads with most of the compartment. Some steeper terrain may impede conventional vehicular traffic.

Survey Needs:

None needed at this time.

Recreational Facilities and Opportunities:

This compartment is heavily used for a variety of hunting pursuits. Consider placement of retention pockets for best visual aesthetics for road/trail users. Several dedicated ORV trails wind their way through this compartment. Utilize timber management to curtail resource damages.

Fire Protection:

The majority of volatile coniferous fuels in this compartment are in sections 3 and 4. Accessibility for fire suppression activity is good due to the prevalence of quarter section roads within the compartment.

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

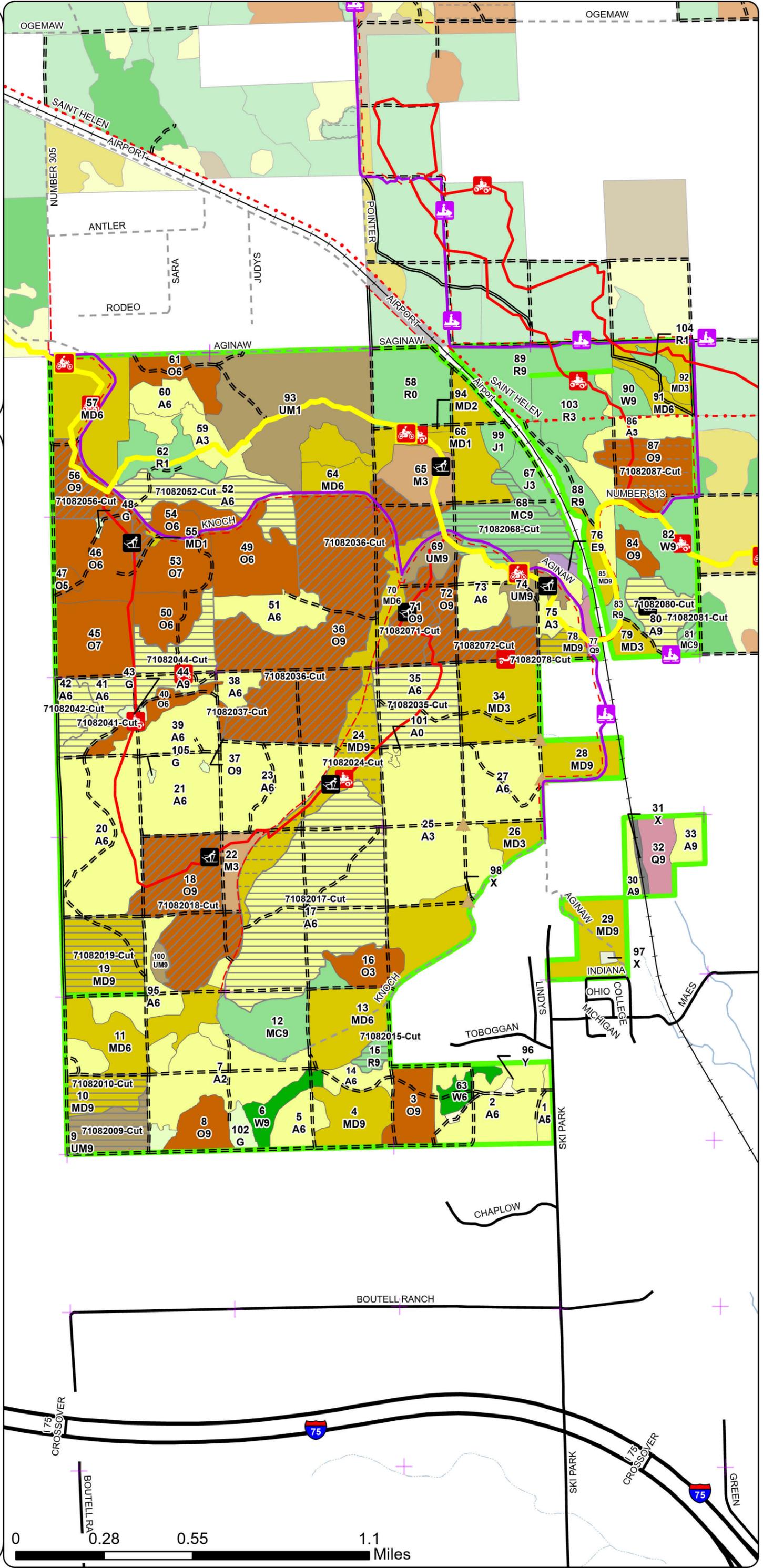
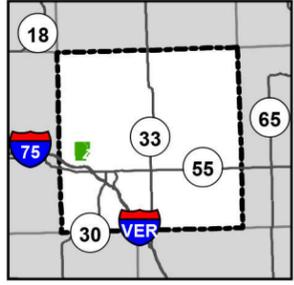
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

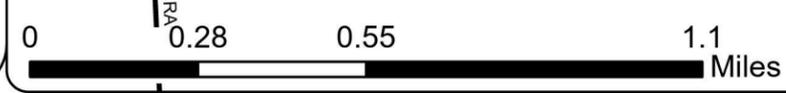
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 71082
 T23N, R01W, Sec. 5-7, 17-20
 County: Ogemaw
 Unit: Roscommon
 Mgmt. Area: High Sand Plains
 YOE: 2027
 Acres: 2,631.40 GIS Calculated
 Examiner: Avery Sanborn
 Date Exported: 6/10/2025
 Map Phase: Web Post

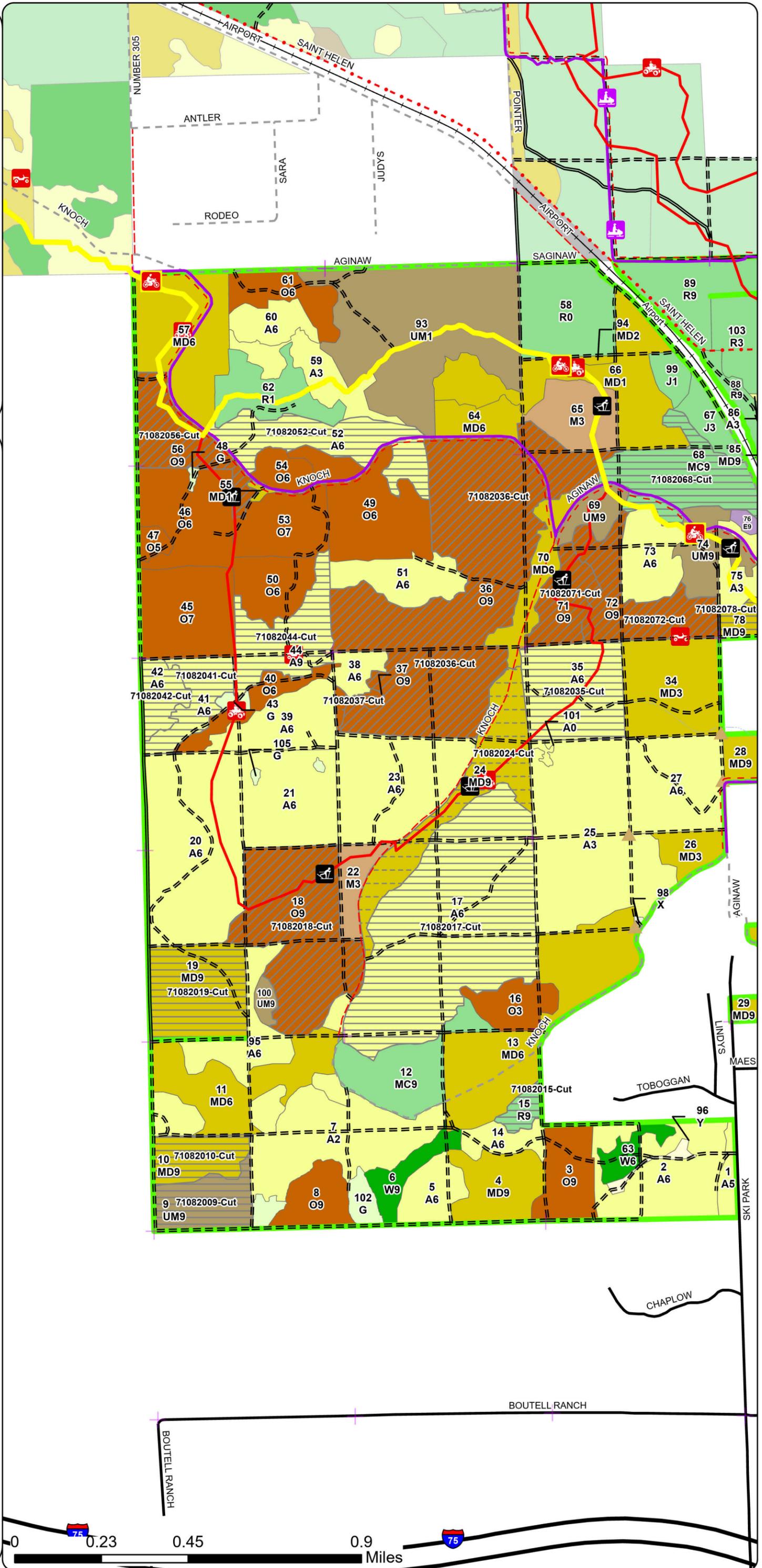
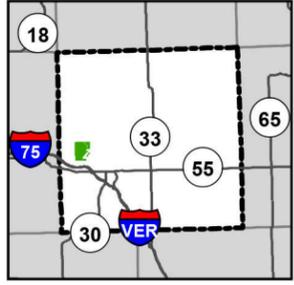


- + Remonumented Section Corners
- ▲ Berms
- = Designated ORV Routes
- Designated ATV Trails
- Designated MCCCT Trails
- DNR - Secondary Forest Road
- = DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
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- Intermittent Stream
- Perennial River
- - - Counties
- Compartment Boundary
- Clearcut
- / / / Thinning
- - - Overstory Removal
- - - Overstory Removal
- - - Pesticide
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 710 - Sand, Soil
- 790 - Other Bare/Sparsely Vegetated



Cover Type & Treatments Map

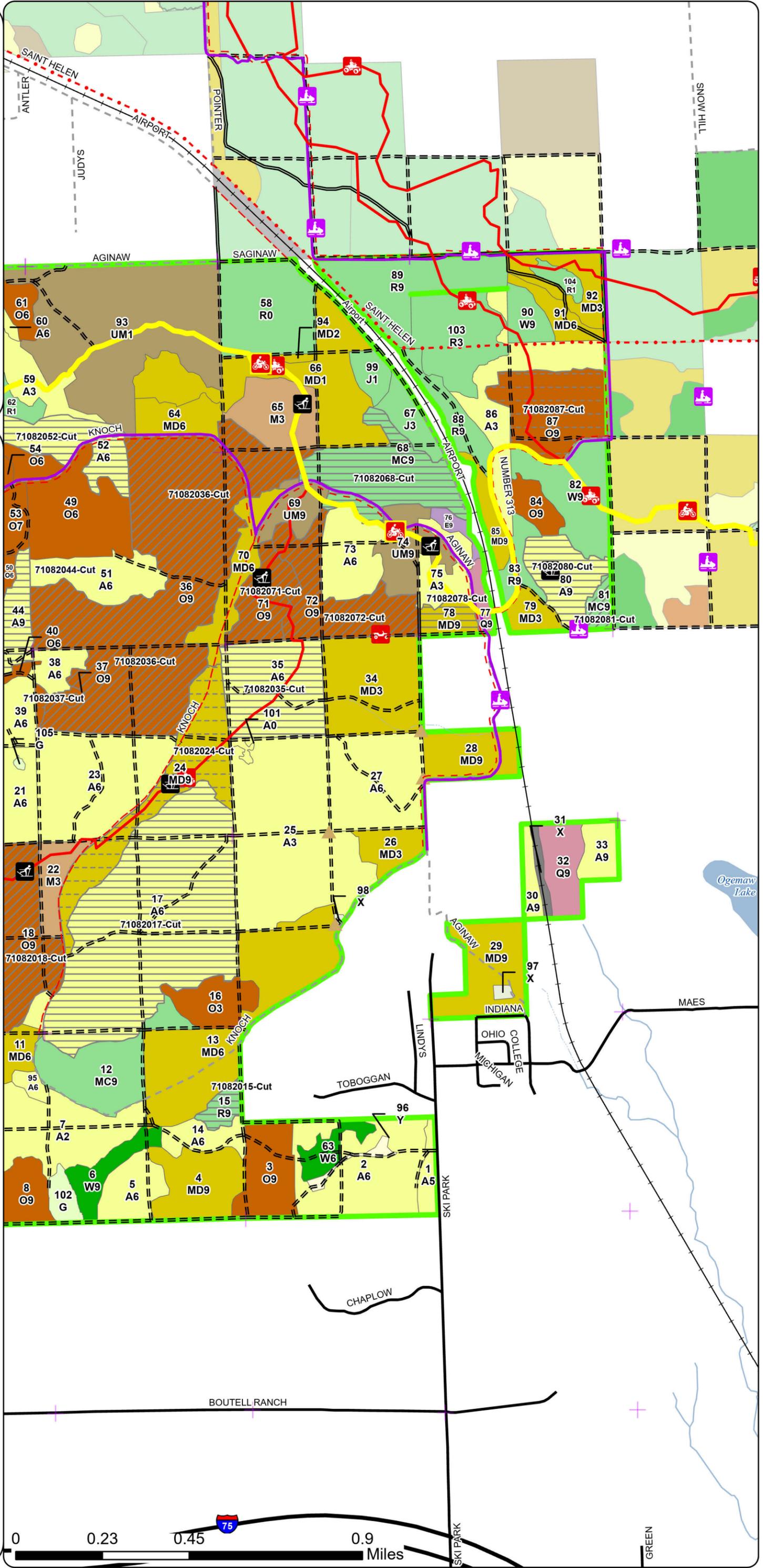
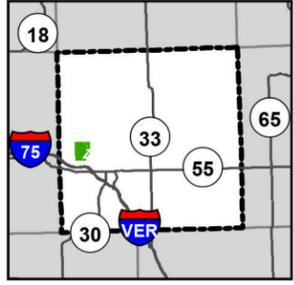
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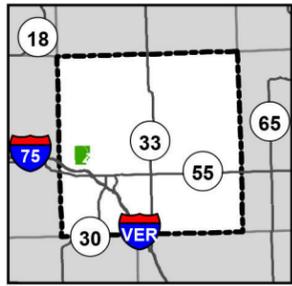


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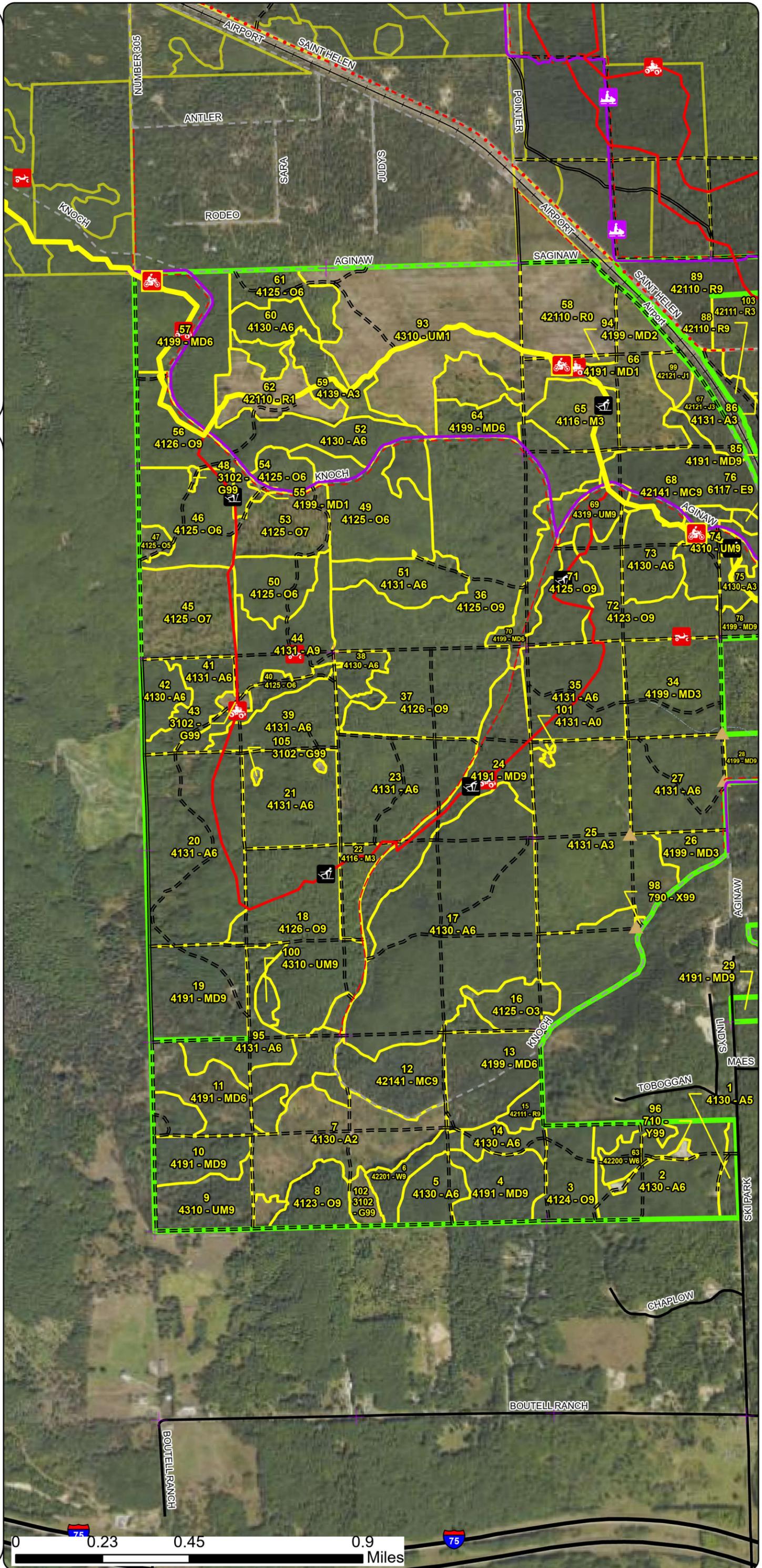


Stand Boundary Map

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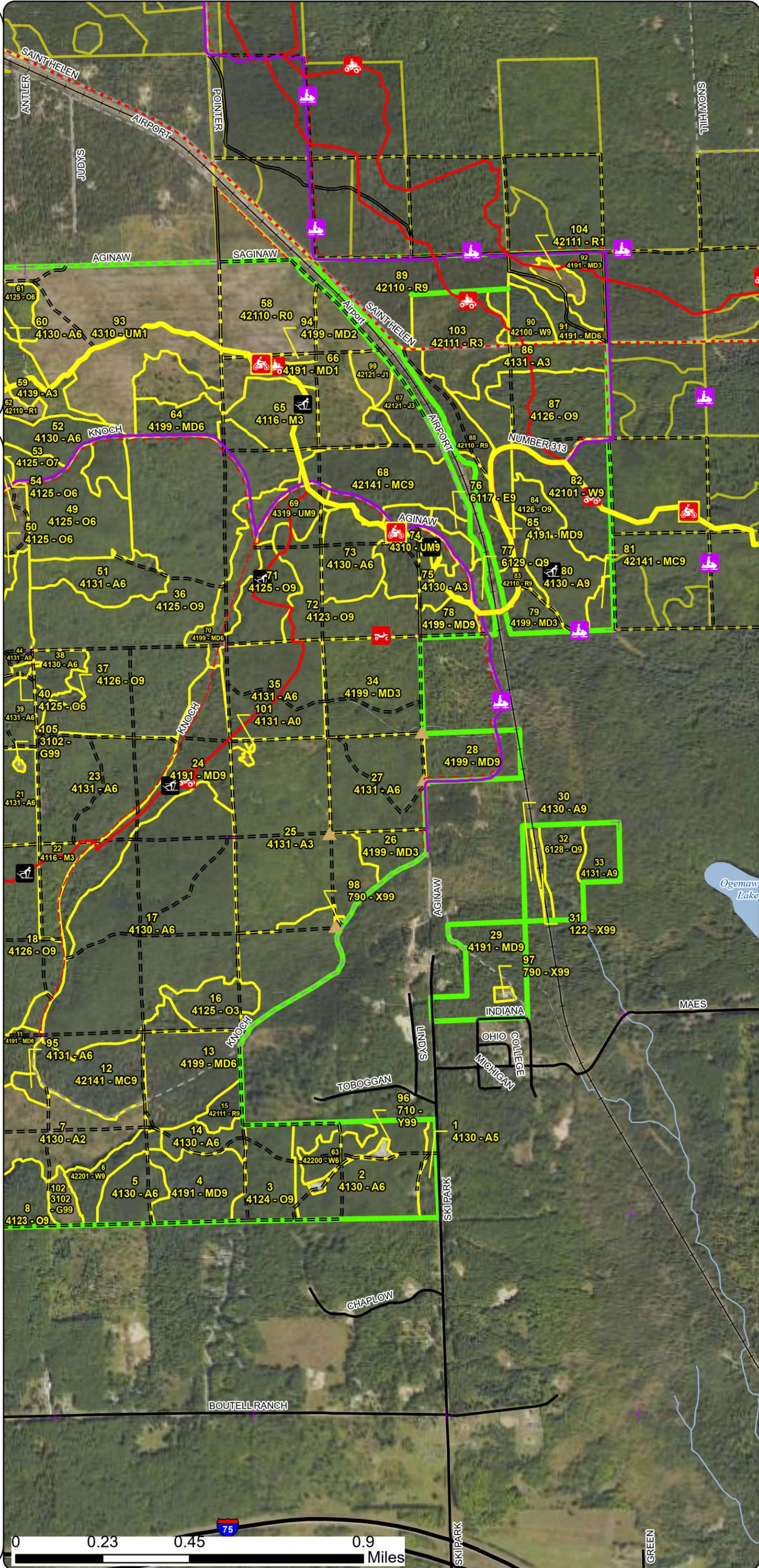
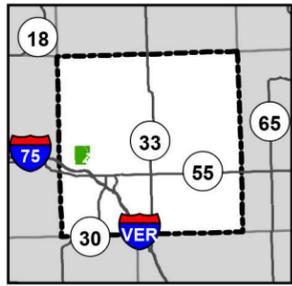


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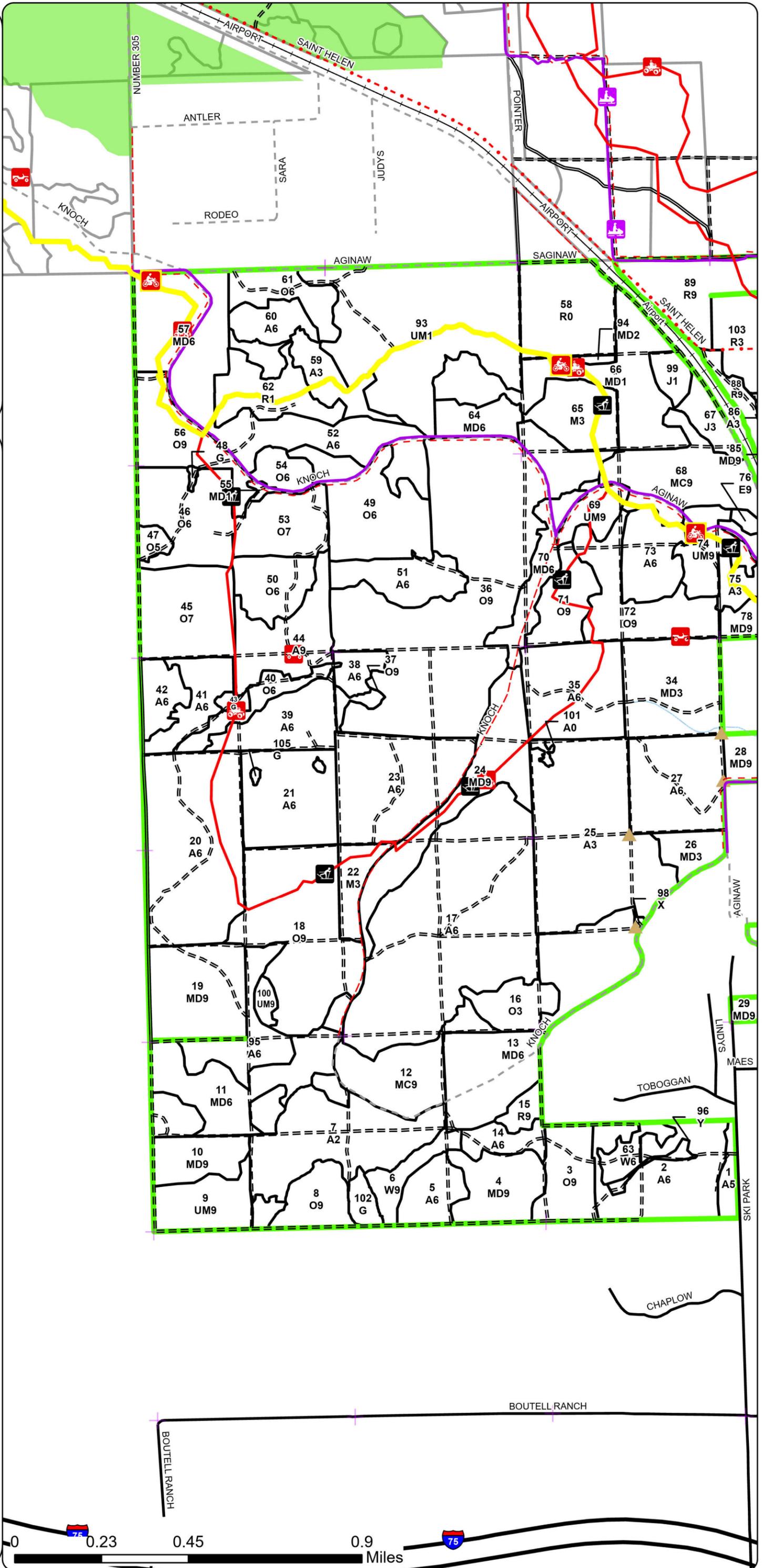
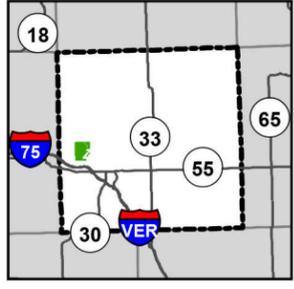


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Special Conservation Areas & Site Conditions Map

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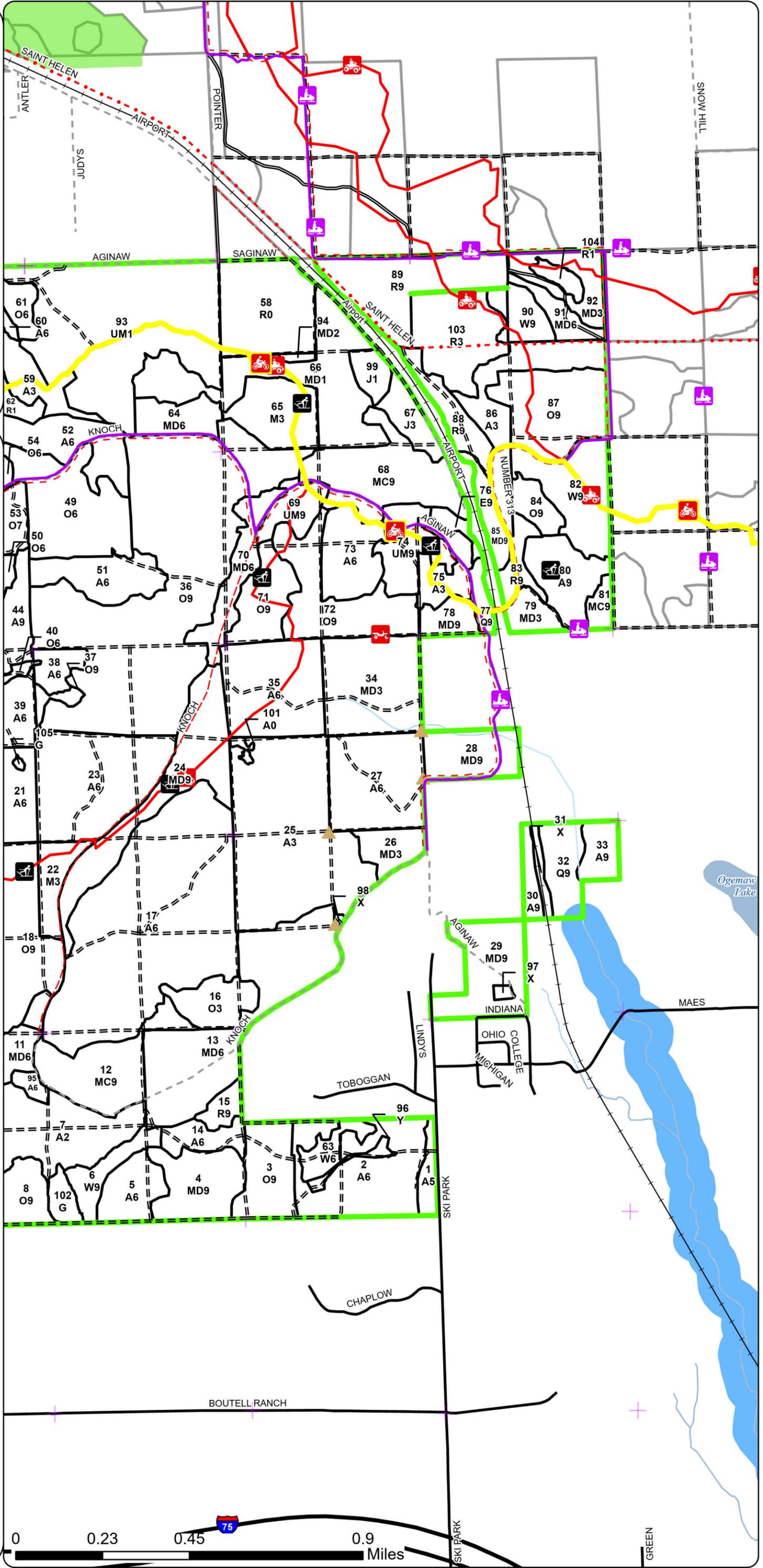
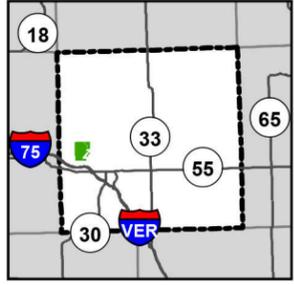


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- Stand Boundaries
- Kirtland's Warbler Habitat
- Cold Water Streams

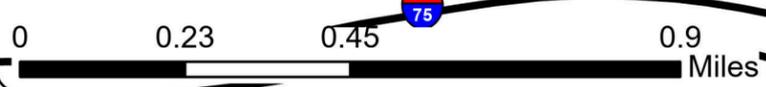


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- Compartment Boundary
- Stand Boundaries
- Kirtland's Warbler Habitat
- Cold Water Streams
- High Priority Trout Stream Buffer



SKI PARK
 GREEN

Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit

Compartment 82

Year of Entry 2027

Avery Sanborn : Examiner



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	1	0	141	135	248	379	21	0	0	0	0	9	0	0	0	0	0	0	934
Bare/Sparsely Vegetated	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Herbaceous Openland	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Jack Pine	0	7	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	5	20
Lowland Deciduous	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	55	0	66	147	98	0	0	0	0	18	72	8	0	0	0	0	53	517
Northern Hardwood	0	0	12	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Oak	0	0	15	17	16	98	9	0	0	0	124	106	240	0	0	0	0	0	625
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	78	0	0	0	0	0	0	78
Red Pine	38	0	60	0	0	0	0	0	0	0	0	66	0	0	0	0	0	0	164
Sand, Soil	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Mixed Forest	0	103	0	0	0	0	0	0	0	0	26	30	0	0	0	0	0	0	158
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
White Pine	0	0	0	0	0	8	0	12	0	0	0	39	0	0	0	0	0	0	59
Total	61	165	228	251	411	587	30	12	0	0	168	400	248	0	0	0	15	58	2633



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2027

Compartment 82
Total Compartment Acres: 2,631

Acres of Harvest

Commercial Harvest - 1159
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 36

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	298	0	0	0	0	0	0	0	0	298
Mixed Upland Deciduous	88	0	0	0	0	43	0	0	0	131
Oak	0	0	0	0	323	39	0	0	0	362
Planted Mixed Pines	41	0	0	0	5	0	0	0	0	46
Red Pine	6	0	0	0	0	0	0	0	0	6
Total	433	0	0	0	328	82	0	0	0	842

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	842	0	0	0	0	0	0	0	0	842
Next Step	0	0	0	0	0	352	0	0	0	352
Total	842	0	0	0	0	352	0	0	0	1194



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

Proposed Treatments:

42	71082042-Cut	12.3	4130 - Aspen	6	49	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Cut all trees 2"+. Mark to leave oak 12" and larger. Mark to leave about 6 of the best dominant white and red pines. Implement drumming log spec. Apply Oak wilt specs.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen with red maple, pine, oak, at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											

10	71082010-Cut	17.7	4191 - Mixed Upland Deciduous with Conifer	9	98	81-110	Harvest	Clearcut	42110 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Clearcut 2"+. Leave retention in NE corner. Trench and plant to red pine using full suite of tools.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Fully stocked planted red pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											

15	71082015-Cut	5.7	42111 - Planted Red Pine, Mixed Deciduous	9	100	81-110	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No
<p><u>Prescription</u> Clearcut all stems meeting minimum merchantability specs. Apply Oak wilt specs.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of oak, red maple, and white pine at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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17	71082017-Cut	137.1	4130 - Aspen	6	46	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Remove all stems 2"+ except mark to leave about 20 dominant white pine throughout the stand and no more than 3 Oak per acre. Apply retention to steep western slope in the SW portion of the stand and a higher quality oak dominated area as an island. Implement drumming log spec. Apply Oak wilt specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Primarily aspen with any mix of oak, red maple, and white pine at fully stocked levels.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

18	71082018-Cut	71.2	4126 - White, Black, N. Pin Oak	9	96	111-140	Harvest	Thinning	4126 - White, Black, N. Pin Oak	Planting Record	No
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Prescription Crown thinning down to 60-80 BA. Remove old aspen. Protect ORV route. Apply Oak wilt specs.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

19	71082019-Cut	39.7	4191 - Mixed Upland Deciduous with Conifer	9	49	111-140	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No
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Prescription Clearcut. Leave retention as an island at the crest of the hill in the pine dominated area. Apply Oak wilt specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of red maple, aspen, oak, and white pine at fully stocked levels.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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24	71082024-Cut	43.3	4191 - Mixed Upland Deciduous with Conifer	9	100	51-80	Harvest	Overstory Removal	4191 - Mixed Upland Deciduous with Conifer	Cutting Record	No
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Prescription Spec to leave red maple and aspen 8" or smaller. Protect ORV route. Apply Oak wilt specs.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

35	71082035-Cut	40.9	4131 - Aspen, Oak	6	40	81-110	Harvest	Clearcut	4131 - Aspen, Oak	Planting Record	No
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Prescription Clearcut. Mark to leave about 30 of the best red and white oaks and 30 white pine including codominant where dominants are not present.

Specs: Protect ORV route. Implement drumming log spec. Apply Oak wilt specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of aspen and oak at fully stocked levels.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

36	71082036-Cut	168.9	4125 - Black, N. Pin Oak	9	111	111-140	Harvest	Thinning	412 - Oak Types	Planting Record	No
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Prescription Thin down to 70-90 BA. Specify to remove all aspen. Use all appropriate specs to protect the snowmobile trail on the NE side. Apply Oak wilt specs.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026



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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
10 71082009-Cut	22.0	4191 - Mixed Upland Deciduous with Conifer	9	98	81-110	Harvest	Clearcut	42110 - Planted Red Pine	Planting Record	No
<p><u>Prescription Specs:</u> Clearcut all trees 2" DBH and greater. Leave retention in NE corner. 6 inch stump heights. Trench and plant to red pine using full suite of tools.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Fully stocked planted red pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
41 71082041-Cut	17.7	4131 - Aspen, Oak	6	49	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription Specs:</u> Cut all trees 2"+. Mark to leave oak 12" and larger. Mark to leave about 6 of the best dominant white and red pines. Implement drumming log spec. Use appropriate specs to protect orv trail to the east. Apply Oak wilt specs.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen with red maple, pine, and oak at fully stocked levels.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
87 71082087-Cut	35.5	4126 - White, Black, N. Pin Oak	9	110	51-80	Harvest	Overstory Removal	4191 - Mixed Upland Deciduous with Conifer	Cutting Record	Yes
<p><u>Prescription Specs:</u> Cut all red and white oak 6" and greater. Use appropriate specs to protect the orv trail going though the stand.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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44	71082044-Cut	31.2	4131 - Aspen, Oak	9	49	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Cut all stems 2"+. Mark to leave red oak 12"+. Implement drumming log spec. use appropriate specs to protect the orv trail to the west.
Specs: Apply Oak wilt specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen with red oak at fully stocked levels.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

52	71082052-Cut	38.0	4130 - Aspen	6	47	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Cut all stems 2"+. Mark to leave 1-3 red oak/acre. Focus retention in island(s) heaviest to oak. Implement drumming log spec. Use appropriate oak wilt specs. Use appropriate specs to protect the snowmobile trail running through the stand.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, red maple or oak, moderate to full stocking.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

56	71082056-Cut	28.6	4126 - White, Black, N. Pin Oak	9	97	111-140	Harvest	Thinning	4126 - White, Black, N. Pin Oak	Planting Record	No
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Prescription Crown thin down to 60-80 BA. Specify all Aspen for Removal. Use appropriate oak wilt specs. Add trail protection specs.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

68	71082068-Cut	40.9	42141 - Planted Mixed Pine, Mixed Deciduous	9	101	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
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Prescription Clearcut 2"+. Mark to leave legacy white pine 26"+ and oak. Leave retention in the southern portion of the stand that is low with the big white pine. Trench and plant to red pine. Use appropriate specs to protect the snowmobile trail running through the stand.

Next Step

Treatments:

Acceptable Any mix of red pine and white pine at fully stocked levels.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026



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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72	71082071-Cut	18.9	4123 - Red Oak	9	110	111-140	Harvest	Thinning	4123 - Red Oak	Planting Record	No
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Prescription Crown thinning down to 60-80 BA. Spec Cut all aspen. Protect ORV route. Use oak wilt specs.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

72	71082072-Cut	35.2	4123 - Red Oak	9	110	111-140	Harvest	Thinning	4123 - Red Oak	Planting Record	No
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Prescription Crown thinning down to 60-80 BA. Spec Cut all aspen. Protect ORV route. Use oak wilt specs.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

78	71082078-Cut	8.2	4199 - Other Mixed Upland Deciduous	9	110	111-140	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
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Prescription Clearcut 2"+. No retention due to small stand size. Apply Oak wilt specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of oak, aspen, and red maple at fully stocked levels.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

80	71082080-Cut	21.1	4130 - Aspen	9	51	81-110	Harvest	Clearcut	4131 - Aspen, Oak	Planting Record	No
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Prescription Clearcut. Leave retention around an area with white oak or an area that is steep. Mark to leave 1-3 red oak 10"+/acre. Mark to leave 1-3 white pine 12"+/acre. Apply drumming log spec. Add spec 5.2.4.4. Apply Oak wilt specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of aspen and oak at fully stocked levels

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026



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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
81 71082081-Cut	4.9	42141 - Planted Mixed Pine, Mixed Deciduous	9	101	81-110	Harvest	Thinning	42141 - Planted Mixed Pine, Mixed Deciduous	Planting Record	No
<p><u>Prescription</u> Spec cut all aspen. Mark down to 60-80 BA mark the larger red pine to cut before growing out of merchantability. Apply Oak wilt specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
37 71082037-Cut	3.4	4126 - White, Black, N. Pin Oak	9	105	51-80	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Planting Record	No
<p><u>Prescription</u> Overstory removal. 6"+ to retain the dense maple understory. Some residual damage is to be expected.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										

Total Treatment Acreage Proposed: 842.4



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		1C	2F	3J	5E
935	920	0	15	Aspen	15			
2	1	0	1	Bare/Sparsely Vegetated	1			
13	13	0	0	Herbaceous Openland				
17	17	0	0	Jack Pine				
20	5	0	15	Lowland Conifers	15			
4	0	0	4	Lowland Deciduous			4	
517	488	0	29	Mixed Upland Deciduous	29			
34	34	0	0	Northern Hardwood				
612	609	0	3	Oak		3		
78	78	0	0	Planted Mixed Pines				
129	126	0	4	Red Pine				4
3	3	0	0	Sand, Soil				
158	158	0	0	Upland Mixed Forest				
3	0	0	3	Urban	3			
49	47	0	2	White Pine		2		
2,574	2,498		76	Total Forested Acres	64	5	4	4
	97%		3%	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. process	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This parcel is set to be auctioned to the public summer 2025.							
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: The headwaters of a creek start here.							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Avery Sanborn: Examiner

Compartment: 82
Year of Entry: 2027



3	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	1C: Other Dept. or Div. process	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This parcel is set for public auction summer 2025.							
6	Unavailable	5E: Long-Term Retention	5	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	1C: Other Dept. or Div. process	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This parcel is set for public auction summer 2025.							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Avery Sanborn: Examiner

Compartment: 82
Year of Entry: 2027



14	Unavailable	1C: Other Dept. or Div. process	15	2G: Too wet (sensitive soils, does not include access issues)	2B: Unknown if access through adjacent landowner(s) is possible	2E: Road needed	Unspecified
Comments: This parcel is set for public auction summer 2025.							
15	Unavailable	1C: Other Dept. or Div. process	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This parcel is set for public auction summer 2025.							
16	Unavailable	1C: Other Dept. or Div. process	6	2E: Road needed	2I: Survey needed	Unspecified	Unspecified
Comments: This parcel is set for public auction summer 2025.							

Mgt. Unit

Compartment: #Type!

Year of Entry:

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4130 - Aspen	Sapling Medium	6.1	23	1-50	N/A	Old oil well pad present. Not sure on the origin of this stand. It cored at 22 yrs but no cutting record was found. Last harvest a few mature pine, oak, and maple were left.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	1	Pole	4	
Black/Red (Hybrid) Oak	2	Log	3	
White Pine	16	Seedling	8	
Black Cherry	2	Log	3	
Red Maple	3	Sapling	6	
Paper Birch	1	Log	4	
Bigtooth Aspen	75	Sapling	5	23

Sub-Canopy Species	Density	Avg. Height	Size
Alder	Medium	5 - 10 feet	5 - 10 feet
White Pine	Low	Variable	Variable
Autumn Olive	Low	5 - 10 feet	5 - 10 feet
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet

2	4130 - Aspen	Poletimber Well	42.7	41	111-140	N/A	Very dense aspen stand. A few vernal ponds on the east side.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Seedling	6	
Bigtooth Aspen	87	Seedling	8	41
Balsam Poplar	1	Seedling	8	
White Pine	1		9	
Red Oak	1	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable
Red Maple	Medium	Variable	Variable
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet

3	4124 - Red with White Oak	Sawtimber Well	21.8	100	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	3		17	
White Oak	35		16	
White Pine	2		22	
Red Maple	5		14	
Red Oak	55		16	100

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Variable
Red Maple	High	>20 feet	>20 feet
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet

4	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	24.5	96	111-140	N/A	Mixed upland stand dominated by oak and white pine. There is a cohort of very large white pine legacy trees, followed by a mixed cohort of medium logs. And lastly a white pine-red maple cohort from the last disturbance that is was cored at 50yrs (white pine) and is part of the canopy in places.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	12		18	
Red Pine	3		20	
Red Maple	7	Seedling	7	45
Red Maple	15		15	
Bigtooth Aspen	6		15	
Black/Red (Hybrid) Oak	25		15	96
White Pine	10		30	183

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	High	>20 feet	>20 feet
Red Maple	High	>20 feet	>20 feet
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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5	4130 - Aspen	Poletimber Well	15.3	45	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	4		11	
Black Cherry	1	Seedling	8	
Red Maple	2	Seedling	7	
Bigtooth Aspen	93	Seedling	9	45

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	>20 feet
White Pine	Low	>20 feet	>20 feet
Black Cherry	Trace	10 - 20 feet	10 - 20 feet

6	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	11.6	66	81-110	N/A	Some areas may be too steep.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	1		14	
Red Pine	1		16	
Black/Red (Hybrid) Oak	10	Seedling	8	
Black/Red (Hybrid) Oak	17		16	105
White Pine	61		13	66
Red Maple	5		14	
Bigtooth Aspen	5		10	

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Trace	>20 feet	>20 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	Low	Variable	Variable
White Pine	Medium	>20 feet	>20 feet
Witch Hazel	Trace	5 - 10 feet	5 - 10 feet

7	4130 - Aspen	Sapling Medium	52.6	11	Immature	N/A	Stand was final harvest early winter 2014 and was trenched and planted to red pine. Even though was a red pine plantation natural aspen took over. A mixed objective of planted red pine with natural regeneration was acceptable. This has been reached. The stand is forested based on the aspen levels. The red pine was planted in 2017 and again in 2018, C71-947. The pine is doing alright in the open area devoid of aspen. Let the stand go, do no further treatments or checks. Stand will be aspen with pockets of red pine. Third year regeneration check done on 09/2020 found the site had 59% mortality with 59% FTG. Do not recommend doing any further actions. Stand is becoming aspen stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	2	Log	1	
Red Pine	10	Log	1	
Quaking Aspen	78	Log	1	11
Pin Cherry	10	Log	1	

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Medium	< 5 feet	< 5 feet

8	4123 - Red Oak	Sawtimber Medium	16.7	103	111-140	N/A	Mature, healthy oak stand that appears to be unmanaged. The steep nw slopes holds some large supercanopy white pine.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	10		14	
Red Pine	1		22	
Red Oak	52		17	103
Red Maple	17		17	
Bigtooth Aspen	1	Seedling	8	
Bigtooth Aspen	5		16	
White Pine	2		28	
White Pine	12	Seedling	8	61

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Variable
Witch Hazel	Low	5 - 10 feet	5 - 10 feet
White Pine	Medium	Variable	Variable



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
9	4310 - Pine, Oak Mix	Sawtimber Well	22.0	98	81-110	N/A	Mixed pine and oak with aspen, the RP and JP planted in 1927. According to the growth rings the red pine is much younger, the year of origin is closer to 1948. No significant subcanopy. Oak and aspen are dying out.																																																		
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10	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	17.7	98	81-110	N/A	Mixed pine, oak, and aspen, RP JP planted in 1927. Aspen is dying out. Variable density. Relatively open understory with white pine seedlings and saplings in pockets. Fern is likely holding back the advance regen.																																																		
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11	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	38.7	30	1-50	N/A	Cut 1995. One of the poorest quality stands in the south end of the compartment. 1925 planting record of red and jack pine. The jack pine has come back much better than the red pine.																																																		
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12	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	31.8	100	111-140	N/A	Mature stand of red pine, white pine, oak and aspen. RP JP planted in 1925 according to records. Red pine cored at 92 years, white pine 68.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13 4199 - Other Mixed Upland Deciduous Poletimber Well 65.6 30 1-50 N/A

Stand was regenerated in 1995, red pine was planted in 1995, C71-557. Red pine did not take well. A few sapling white pine must have been left last harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	3	Sapling	5		Red Maple	Low	>20 feet	>20 feet
Red Pine	1	Seedling	7		White Oak	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	50	Sapling	6	30	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	5 - 10 feet
White Pine	2	Seedling	9		White Pine	Low	< 5 feet	< 5 feet
Jack Pine	1	Sapling	6					
Black Cherry	7	Sapling	5					
Red Maple	1	Pole	4					
Bigtooth Aspen	5	Sapling	5					
Quaking Aspen	30	Sapling	5					

14 4130 - Aspen Poletimber Well 10.0 30 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	1	Pole	4		White Oak	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen	65	Seedling	6	30	Beech	Trace	< 5 feet	< 5 feet
Red Maple	15	Log	4		Black Cherry	Trace	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	10		6		Red Maple	Medium	Variable	Variable
Black/Red (Hybrid) Oak	7	Sapling	5					
White Pine	1	Sapling	5					
Black Cherry	1	Log	4					

15 42111 - Planted Red Pine, Mixed Deciduous Sawtimber Well 5.7 100 81-110 N/A

RP JP planted in 1925. Current coring lines up.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	72		16	100	Red Maple	Medium	Variable	Variable
Black/Red (Hybrid) Oak	24		16		White Oak	Low	5 - 10 feet	5 - 10 feet
White Pine	3	Seedling	9		Common Or Ground Juniper	Trace	5 - 10 feet	5 - 10 feet
Jack Pine	1		9		Black/Red (Hybrid) Oak	High	Variable	Variable
					White Pine	Low	Variable	Variable

16 4125 - Black, N. Pin Oak Sapling Well 15.0 19 Immature N/A

Stand was regenerated in 2006.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	5	Log	3		Pin Cherry	Low	5 - 10 feet	5 - 10 feet
Red Maple	5	Pole	4					
Black/Red (Hybrid) Oak	84	Log	3	19				
Jack Pine	1	Log	3					
Black Cherry	5	Log	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17 4130 - Aspen 137.1 46 81-110 N/A Aspen stand that was regenerated in 1976.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	1	Seedling	6		Red Maple	Medium	>20 feet	>20 feet
Quaking Aspen	5		9		White Oak	Low	>20 feet	>20 feet
Black/Red (Hybrid) Oak	8		9		White Pine	Trace	Variable	Variable
White Pine	2		12		Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
Black Cherry	1	Seedling	7					
Red Maple	10	Seedling	7					
Bigtooth Aspen	73		9	46				

18 4126 - White, Black, N. Pin Oak 71.2 96 111-140 N/A Healthy oak stand with red maple and white pine understory. Appears to have had no previous management. Understory is relatively open. White pine subcanopy ranges from low to high.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	23		14		Red Maple	High	>20 feet	>20 feet
Red Maple	10		14		Red Maple	Low	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	10		17		White Pine	Medium	>20 feet	>20 feet
Black/Red (Hybrid) Oak	55		14	96	Black Cherry	Medium	< 5 feet	< 5 feet
White Pine	2		24		White Oak	Low	< 5 feet	< 5 feet

19 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 39.7 49 111-140 N/A White pine must have been sapling/pole advance regen last cut which explains the age difference.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	2		9		White Oak	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen	35	Seedling	6	49	Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	25	Seedling	7		White Pine	Low	< 5 feet	< 5 feet
White Pine	30		13	61	Red Maple	Medium	>20 feet	>20 feet
Jack Pine	5	Seedling	8					
Black Cherry	3	Seedling	6					

20 4131 - Aspen, Oak Poletimber Well 79.9 30 1-50 N/A There are a couple open pockets where the cherry is falling apart.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	20	Seedling	6		Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
White Pine	1		14		White Pine	Trace	Variable	Variable
Black Cherry	9	Sapling	5		Black Cherry	Low	Variable	Variable
Red Maple	15	Pole	4		Witch Hazel	Trace	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	30	Seedling	6	30				
Quaking Aspen	25	Seedling	6	30				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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21	4131 - Aspen, Oak	Poletimber Well	38.4	49	51-80	N/A	Occasional red, white pine poles present.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	1		9		White Pine	Trace	Variable	Variable
Red Maple	10	Seedling	6		White Oak	Low	>20 feet	>20 feet
Bigtooth Aspen	43	Seedling	7	49				
White Oak	2	Seedling	6					
Black/Red (Hybrid) Oak	43	Seedling	8	49				
White Pine	1		11					

22	4116 - Mixed N. Hardwood - Aspen	Sapling Well	11.8	19	Immature	N/A	Stand was regenerated in 2006.
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	1	Log	3	
White Pine	1		8	
Black Cherry	30	Log	3	
Red Maple	35	Log	3	19
Bigtooth Aspen	33	Log	3	

23	4131 - Aspen, Oak		52.3	35	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	28	Seedling	6	35	Black Cherry	Low	Variable	Variable
Red Maple	20	Sapling	6		Red Maple	High	Variable	Variable
Bigtooth Aspen	25	Seedling	7	35				
Black/Red (Hybrid) Oak	25	Seedling	6	35				
White Pine	1		12					
Black Cherry	1	Seedling	6					

24	4191 - Mixed Upland Deciduous with Conifer		43.3	100	51-80	N/A	Previous notes say planted rp and jp in 1925 wp planted in 1929. The oak likely existed as saplings during planting. It appears that the stand was thinned perhaps when stand 23 to the west was cut in 1990 resulting in a significant cohort of red maple and aspen poles as of 2024.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	29		17	100	Red Maple	Medium	>20 feet	>20 feet
Quaking Aspen	6	Seedling	6	35	Red Maple	High	Variable	Variable
Red Maple	7		15		White Oak	Low	10 - 20 feet	10 - 20 feet
Red Maple	22	Seedling	7	35				
Bigtooth Aspen	5	Seedling	6	35				
Bigtooth Aspen	1		15					
Black/Red (Hybrid) Oak	23		16	107				
White Pine	5		20	96				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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25	4131 - Aspen, Oak	Sapling Well	88.0	19	Immature	N/A	Stand was regenerated in 2006.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5	Log	2	
Red Pine	1	Log	4	
Quaking Aspen	5	Log	3	
Red Maple	15	Log	3	
Bigtooth Aspen	50	Log	4	19
Black/Red (Hybrid) Oak	21	Log	3	
White Pine	2	Sapling	5	
Black Cherry	1	Log	4	

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet
White Pine	Low	< 5 feet	< 5 feet

26	4199 - Other Mixed Upland Deciduous	Sapling Well	10.7	30	1-50	N/A	NP JP WP planted in 1925, Stand was regenerated in 1995.
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	45	Sapling	5	30
Black Cherry	1	Log	4	
Quaking Aspen	9	Sapling	5	
Red Maple	20	Log	4	
Bigtooth Aspen	25	Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	Variable	Variable

27	4131 - Aspen, Oak	Poletimber Well	39.3	38	51-80	N/A	White pine planted in 1929 at a density of 100 tpa. Stand was regenerated in 1985.
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	35	Seedling	6	38
White Pine	2		15	
White Oak	5	Sapling	5	
Quaking Aspen	10	Seedling	6	
Red Maple	5	Seedling	6	
Bigtooth Aspen	43	Seedling	7	38

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	10 - 20 feet	10 - 20 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Black Cherry	Low	Variable	Variable
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet

28	4199 - Other Mixed Upland Deciduous		19.8	136	51-80	N/A	Mixed deciduous stand that is surrounded by private on 3 sides. Elevation drops to the east to a lowland which is mostly aspen and maple. The stand is complex overall. The stand has had multiple fires in the past, evidenced by a charred fire scar on a red pine in the SW corner. The most recent cohort, likely originating from a past harvest, consists of red maple and trace amounts of various species.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5		13	
Black/Red (Hybrid) Oak	45		16	136
White Pine	5		11	56
Black Cherry	1		9	
Quaking Aspen	19		15	
Red Maple	25	Sapling	5	26

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	>20 feet
Black/Red (Hybrid) Oak	Medium	Variable	Variable
White Pine	Low	Variable	Variable
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
Witch Hazel	Low	5 - 10 feet	5 - 10 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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29 4191 - Mixed Upland Deciduous with Conifer 28.9 105 81-110 N/A

A few white pine cored younger than the oak. A well balanced stand with trees in the red oak group in decline. Red oaks on the west panhandle are higher quality. Old notes: JP WP planted in 1931 at a density of 200 tpa. This parcel, along with the parcel to the NE is set to be sold at public auction.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	8		15		Red Maple	Low	Variable	Variable
Northern Pin Oak	29		16	105	Black/Red (Hybrid) Oak	Low	Variable	Variable
Red Oak	8		15		White Pine	Low	Variable	Variable
White Pine	23		17		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Maple	7		9					

30 4130 - Aspen Sawtimber Well 5.8 47 1-50 N/A

Japanese Barberry is plentiful enough to make the walk painful. Stream along the railroad tracks.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	1		21		Northern Pin Oak	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen	99		10	47	Bush Honeysuckle	Medium	5 - 10 feet	5 - 10 feet
					Red Maple	Low	10 - 20 feet	10 - 20 feet
					White Pine	Low	Variable	Variable
					Japanese Barberry	Medium	5 - 10 feet	5 - 10 feet

31 122 - Road/Parking Lot Unspecified 3.5 No

32 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 15.1 151 111-140 N/A

The stand is mostly lowland with cedar and white pine. Red pine is present in trace amounts. A small creek runs from west to east in the south part of the stand. ~20 yr old cedar blow downs have led to a new cohort in these areas with white birch establishing along with cedar, black spruce, white pine, balsam fir, and even a few hemlock seedlings in the sub-canopy. A few Japanese Barberry present. A unique stand for the compartment. Hard to age due to cedar heart rot. My estimate is 150.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	20		21	151	Balsam Poplar	Low	>20 feet	>20 feet
Northern White Cedar	39		12	151	Black Spruce	Trace	Variable	Variable
Balsam Fir	14		9		Hemlock	Trace	< 5 feet	< 5 feet
Tamarack	5	Seedling	8		Paper Birch	Medium	>20 feet	>20 feet
Red Maple	4		14		Balsam Fir	Low	Variable	Variable
Paper Birch	1		16					

33 4131 - Aspen, Oak Sawtimber Well 9.4 102 81-110 N/A

Balsam fir in the subcanopy ranges from none to full. This parcel is to be sold at public auction.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	43		16	102	Balsam Fir	Medium	Variable	Variable
Red Maple	13		14		Red Maple	Low	Variable	Variable
Bigtooth Aspen	44		17	102	White Pine	Trace	Variable	Variable

34 4199 - Other Mixed Upland Deciduous Sapling Well 41.1 29 1-50 N/A

White oak is more prevalent on the ridges, where trees are generally smaller in diameter. Old notes: Planted to rp and jp in 1924, TSI in 1964. Regenerated in 1996.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	7	Log	4		White Oak	Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	48	Sapling	5	29	Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
Black Cherry	5	Sapling	5		Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
Red Maple	25	Pole	4		Red Maple	Medium	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	15	Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
35	4131 - Aspen, Oak		40.9	40	81-110	N/A	Old notes: Stand was regenerated in 1985.																																																						
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36	4125 - Black, N. Pin Oak	Sawtimber Well	168.9	111	111-140	N/A	Large healthy oak stand mixed with aspen and maple, the density and diameters vary with the site quality. There is white pine and red maple in the understory that is dense in some places.																																																						
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37	4126 - White, Black, N. Pin Oak	Sawtimber Well	3.4	105	51-80	N/A	Heavy red maple understory likely initiated by the cutting of adjacent stand 38 in 1996 and the gradual loss of red/black oaks. The basal area is variable.																																																						
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38	4130 - Aspen	Poletimber Well	7.7	29	1-50	N/A	Small bigtooth aspen stand that was regenerated in 1996.																																																						
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39	4131 - Aspen, Oak	Sapling Well	25.8	35	1-50	N/A																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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40	4125 - Black, N. Pin Oak	Poletimber Well	11.9	37	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	5		7		Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	81	Seedling	6	37	White Pine	Low	10 - 20 feet	10 - 20 feet
White Pine	4		13		Black Cherry	Low	10 - 20 feet	10 - 20 feet
Jack Pine	5	Seedling	7					
Black Cherry	5	Sapling	5					

41	4131 - Aspen, Oak	Poletimber Well	17.7	49	81-110	N/A	Oak, aspen, red maple, trace amounts of white pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	25	Seedling	7	49	Red Maple	Low	>20 feet	>20 feet
White Oak	1	Seedling	7		White Oak	Trace	Variable	Variable
Red Maple	24	Seedling	6		Black/Red (Hybrid) Oak	Low	Variable	Variable
Bigtooth Aspen	30		8	49	White Pine	Low	< 5 feet	< 5 feet
Quaking Aspen	20	Seedling	7					

42	4130 - Aspen	Poletimber Well	12.3	49	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Seedling	6		Black Cherry	Trace	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	73		10	49	Red Maple	High	>20 feet	>20 feet
Black/Red (Hybrid) Oak	15		8		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
White Pine	1		14					
Black Cherry	1	Sapling	6					

43	3102 - Grass	Unspecified	2.4			No	An open area in the bottom of a light valley running SW to NE. Lower quality soils.
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Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	High	>20 feet	>20 feet

44	4131 - Aspen, Oak	Poletimber Well	31.2	49	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Seedling	8		Red Maple	Medium	>20 feet	>20 feet
Bigtooth Aspen	69		10	49	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	20		10	49				
Black Cherry	1	Seedling	7					

45	4125 - Black, N. Pin Oak	Sawtimber Poor	37.3	100	1-50	N/A	Stand was shelterwood harvested in the fall 2016. Sapling/pole red and white pine throughout. Many of the log/pole oak that were left have died. Red maple and oak are filling in.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	84		14	100	Red Maple	High	10 - 20 feet	10 - 20 feet
White Pine	1	Seedling	7		White Oak	Low	10 - 20 feet	10 - 20 feet
White Oak	15		13		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
					Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
					White Pine	Medium	10 - 20 feet	10 - 20 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
46	4125 - Black, N. Pin Oak	Poletimber Well	36.0	40	51-80	N/A	Oak stand that was regenerated in 1985. Decent red pine component in the southern end.																																																		
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47	4125 - Black, N. Pin Oak	Poletimber Medium	4.1	35	1-50	N/A	Small oak stand that didn't quite fill completely in. ATV activity due to steep hill.																																																		
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51	4131 - Aspen, Oak	Sapling Well	21.3	29	1-50	N/A	Aspen maple stand that was regenerated in 1996. There is a decent oak component on the higher areas.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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52	4130 - Aspen	Poletimber Well	38.0	47	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	10	Seedling	8	
Red Maple	15	Seedling	7	
Bigtooth Aspen	75		9	47

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Trace	5 - 10 feet	5 - 10 feet
Red Maple	Medium	>20 feet	>20 feet

53	4125 - Black, N. Pin Oak	Sawtimber Poor	24.4	98	1-50	N/A	Stand seed tree harvested in the fall 2016. A patchy distribution of oak, white pine, and red maple saplings is developing.
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	89		13	98
White Pine	1		14	
White Oak	10		11	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	High	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Blueberry/Bilberry/Cranberry	Low	5 - 10 feet	5 - 10 feet
White Oak	Medium	5 - 10 feet	5 - 10 feet

54	4125 - Black, N. Pin Oak	Poletimber Well	9.2	51	51-80	N/A	Oak stand that was regenerated in 1974. Seems to be a poor site for oak, there is a small amount of red pine in the stand that is outcompeting the oak.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	2	Sapling	5	
Red Pine	15	Seedling	9	
Black/Red (Hybrid) Oak	60	Seedling	7	51
White Pine	6		14	
Red Maple	5	Seedling	6	
Bigtooth Aspen	12	Seedling	6	

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	10 - 20 feet	10 - 20 feet
Witch Hazel	Trace	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

55	4199 - Other Mixed Upland Deciduous	Sapling Poor	1.3	23	1-50	N/A	Small stand that is being reforested, looks like an old landing site from the adjacent cut.
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	55	Log	3	23
Red Maple	45	Log	4	

56	4126 - White, Black, N. Pin Oak	Sawtimber Well	28.6	97	111-140	N/A	Mixed oak stand with scattered large bigtooth aspen.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10		10	
Bigtooth Aspen	17		18	
White Oak	20		14	
Black/Red (Hybrid) Oak	50		15	97
White Pine	3	Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	>20 feet
White Pine	Low	10 - 20 feet	10 - 20 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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57	4199 - Other Mixed Upland Deciduous		50.1	41	51-80	N/A	Aspen and mixed deciduous stand that was regenerated in 1984. Last cut some white pine saplings must have been left- there is a mix of pine poles/logs throughout. Hardwoods need more girth before a sale. hold until 2034.																																															
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58	42110 - Planted Red Pine	Unspecified	37.8	8	Immature		Stand was a mature red pine stand that had a wildfire in it in 2015. It was salvaged and then was to be replanted to red pine. Had some oak resprouting in it. Left island of mature red pine that eventually died because of the fire's effects and are snags. Third year regeneration check found the red pine mortality was low enough to not need a replant. The scheduled release spray is still a must because of FTG concerns. Release spray FTP is C71-1015. Release sprayed 09/2020.FTP was approved at 2009 compartment review for site prep and planting of red pine and oak W71-841. This has not been done. Submitted FTP C71-963 to plant with red pine with the areas to the east affected by the wildfire. (DB). Trenched in 2016 and planted to red pine in 2017. Poor survival of red pine. Pockets of acceptably stocked areas throughout. Aspen, red maple, oak, and jack pine coming in. No management action is recommended.
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59	4139 - Aspen, Mixed Deciduous		20.6	28	Immature	N/A	Stand was regenerated in 1997.																																					
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60	4130 - Aspen	Poletimber Well	12.7	29	1-50	N/A	Aspen stand that was regenerated in 1996.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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61	4125 - Black, N. Pin Oak	Poletimber Well	17.3	29	1-50	N/A	The stand was regenerated in 1996.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	5	Sapling	5		Northern Pin Oak	Medium	5 - 10 feet	5 - 10 feet
Northern Pin Oak	65	Sapling	5	29	White Oak	Trace	5 - 10 feet	5 - 10 feet
Red Maple	5	Sapling	5		White Pine	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	15	Sapling	5					
White Pine	3			11				
Jack Pine	2	Pole	4					
Black Cherry	5		5					

62	42110 - Planted Red Pine	Sapling Poor	23.9	10	Immature	N/A	Stand was harvested in 1997. Just isolated areas regenerating back to an aspen/red maple mix, siding more to red maple though. Several large areas where the regen is sparse and does not meet criteria for being forested. The sedge is thick. Release spray FTP is C71-1015. Third year regeneration check found the red pine mortality was low enough to not need a replant. The scheduled release spray is still a must because of FTG concerns. Release sprayed 09/2020. FTP was approved at 2009 compartment review for site prep and planting of rp and oak W71-841. This has not been done. Resubmitted FTP C71-963 to plant with red pine with the areas to the east affected by the wildfire. (DB). Site was roller chopped and trenched in 2016 and planted to red pine in 2017. Stand is looking healthy 2024.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	90	Log	1	10
Red Maple	5	Log	1	
Bigtooth Aspen	3	Log	2	
Black/Red (Hybrid) Oak	1	Log	1	
White Pine	1	Seedling	9	

63	42200 - Natural White Pine	Poletimber Well	8.0	41	111-140	N/A	Part of the surrounding aspen stand that came back heavily to white pine. Oak is also more prevalent than the aspen stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	7	Seedling	7		White Pine	Low	Variable	Variable
Bigtooth Aspen	7	Seedling	8	41	Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	5	Seedling	7		Red Maple	Medium	Variable	Variable
Balsam Poplar	1	Seedling	8					
White Pine	80		9	41				

64	4199 - Other Mixed Upland Deciduous	Poletimber Well	13.1	38	1-50	N/A	This stand was likely a victim of low intensity fire in 2015. Many fallen dead trees have given way to an aggressive cohort of red maple.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	3	Sapling	6		Red Maple	Medium	5 - 10 feet	5 - 10 feet
Red Maple	38	Seedling	5	38	Black Cherry	Low	Variable	Variable
Red Maple	17	Log	1	10	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	15	Seedling	7					
Black/Red (Hybrid) Oak	25	Seedling	6					
Black Cherry	2	Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
65	4116 - Mixed N. Hardwood - Aspen	Sapling Well	22.4	29	1-50	N/A	Stand was regenerated in 1996. Desirable species did not regenerate well. Mostly cherry and red maple. It looks as if the fire in the 2010s passed through this stand as it displays evidence of 2 ages of trees, however they are within 20 yrs of each other so it is still classified as even aged.																																																								
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66	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	53.8	8	Immature	N/A	This was burnt in a May 2015 wildfire. The timber was salvaged under a timber sale and with pine as the dominant pine type, it was decided to plant back to red pine, FTP# C71-960. Islands of burnt red pine were left for wood peckers per wildlife division. Also scattered oak tree for mast. This stand will allow a mixed stand of red pine and oak as acceptable regeneration. Stand was planted to red pine in 2017. Third year regeneration check found red pine mortality between 35-45%. The trench quality was poor and the competition from oak and other deciduous species is high. The M.O. was for a mixed stand, that is what it is going to. Recommend no further treatments.																																																								
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67	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	10.6	29	1-50	N/A	Jack pine plantation established in 1996, C71-565. Part of the stand was affected by a fire with the surrounding stands.																																																								
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68	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	40.9	101	81-110	N/A	Red pine plantation. here are some large 30+ Diameter super canopy white pine. There is some log size bigtooth aspen unevenly distributed throughout the stand. Oaks cored at few years older than the pine. Old planting record verified.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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69 4319 - Mixed Upland Forest Sawtimber Well 11.0 101 81-110 N/A The last thinning has led to some nice white pine and red maple poles.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	10		16		White Oak	Low	< 5 feet	< 5 feet
Red Maple	24	Seedling	6	49	Red Maple	Medium	Variable	Variable
Quaking Aspen	10		13		Black/Red (Hybrid) Oak	Low	Variable	Variable
Black/Red (Hybrid) Oak	15		15	101	White Pine	Low	5 - 10 feet	5 - 10 feet
White Pine	10		11	49				
Jack Pine	1		13					
Red Pine	30		16	101				

70 4199 - Other Mixed Upland Deciduous Poletimber Well 18.7 30 1-50 N/A Stand was regenerated in 1995.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	5	Log	2		Red Maple	Medium	10 - 20 feet	10 - 20 feet
Red Maple	40	Sapling	5	30	Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen	15	Sapling	5		White Pine	Trace	Variable	Variable
Black/Red (Hybrid) Oak	35	Sapling	5	30				
Black Cherry	5	Sapling	5					

71 4125 - Black, N. Pin Oak 18.9 108 111-140 N/A Mixed oak stand with aspen and white pine. The white pine subcanopy component is significant but not continuous.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	1		18		Red Maple	Low	Variable	Variable
White Oak	10		12		White Oak	Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	60		14	108	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
White Pine	3		18		White Pine	Medium	Variable	Variable
Red Maple	3		9					
Bigtooth Aspen	23		16					

72 4123 - Red Oak 35.2 110 111-140 N/A No apparent previous management. The west part of the stand has higher quality red oak. White oak prevalence increases eastward. The understory is relatively open in many areas.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	15		12		White Pine	Low	Variable	Variable
Red Oak	60		14	110	White Oak	Medium	< 5 feet	< 5 feet
Red Maple	15		7		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	10		12		Maple Leaved Viburnum	Low	5 - 10 feet	5 - 10 feet
					Red Maple	Low	Variable	Variable

73 4130 - Aspen Poletimber Well 21.3 29 1-50 N/A Stand regenerated in 1996.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	8	Pole	4		Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
Black Cherry	1	Log	4		White Oak	Trace	10 - 20 feet	10 - 20 feet
White Oak	1	Log	4		Red Maple	High	10 - 20 feet	10 - 20 feet
Red Maple	25	Pole	4					
Bigtooth Aspen	65	Seedling	5	29				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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74	4310 - Pine, Oak Mix	Sawtimber Well	18.9	101	81-110	N/A	Mixed pine and oak stand. Originally planted in 1924 but coring at only 73 years. The jack pine, oak, aspen mortality is high. The stand is converting to red maple. There is a low pocket in the north part of the stand with cedar/hemlock. Mortality has likely resulted in little to no BA increase. BA is quite variable from 60 to 140. Red pine are of varying DBH from 10-18".			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		33		15	101	Red Maple		High	>20 feet	>20 feet
Red Maple		20	Seedling	9		Beech		Trace	10 - 20 feet	10 - 20 feet
White Oak		5		15		White Pine		Low	Variable	Variable
Northern White Cedar		1		12						
Quaking Aspen		5		14						
Black/Red (Hybrid) Oak		15		15						
White Pine		16		15	101					
Jack Pine		5		12						

75	4130 - Aspen	Sapling Well	13.0	29	Immature	N/A	Aspen sapling in transition to pole. Areas with bigtooth have reached pole size.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		20	Log	4		Black/Red (Hybrid) Oak		Low	Variable	Variable
Bigtooth Aspen		7	Seedling	5		White Pine		Low	10 - 20 feet	10 - 20 feet
Quaking Aspen		63	Log	4	29	Black Cherry		Low	Variable	Variable
Black/Red (Hybrid) Oak		7	Log	4		Witch Hazel		Low	5 - 10 feet	5 - 10 feet
White Pine		1	Sapling	5		Red Maple		High	Variable	Variable
Black Cherry		2	Log	4						

76	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	3.6	46	81-110	N/A	Lowland stand with large mature white pine and cedar. A small creek runs through the stand. Cedar core origin 1889. Old white pine, maple, cedar likely of the same cohort. Leather wood present.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		5	Seedling	9	46	Leatherwood		Trace	5 - 10 feet	5 - 10 feet
White Pine		15		26	136	Red Maple		Medium	Variable	Variable
Quaking Aspen		10		10	46	Tag Alder		Low	5 - 10 feet	5 - 10 feet
Red Maple		55	Seedling	9	46	White Pine		Low	< 5 feet	< 5 feet
Northern White Cedar		15		16	136	Black Cherry		Low	Variable	Variable

77	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	5.1	193	51-80	N/A	There is a cohort of old aspen as well as a younger canopy element mainly of red maple poles assuming positions in blow downs in addition to the very old cedar and aspen.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		35		18		White Pine		Low	Variable	Variable
Balsam Fir		5	Seedling	8	56	Balsam Fir		Low	Variable	Variable
Northern White Cedar		43		14	193	Red Maple		Low	Variable	Variable
Red Maple		7	Sapling	5	34	Tag Alder		Low	5 - 10 feet	5 - 10 feet
Quaking Aspen		10		12	65					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
78	4199 - Other Mixed Upland Deciduous	Sawtimber Well	8.2	110	111-140	N/A	Red oak stand, appears to have little to no previous management.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15		7		Red Maple	Low	Variable	Variable
Bigtooth Aspen	30		17		White Pine	Low	Variable	Variable
Red Oak	35		16	110	Hawthorn (spp.)	Low	10 - 20 feet	10 - 20 feet
White Oak	20		14		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
					Maple Leaved Viburnum	Low	5 - 10 feet	5 - 10 feet
					Pin Cherry	Low	5 - 10 feet	5 - 10 feet

79	4199 - Other Mixed Upland Deciduous	Sapling Well	7.8	23	1-50	N/A	Stand was seed tree harvested. Stand is now two aged with a pin oak overstory, many of which are now dead.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10	Sapling	7	
Black Cherry	10	Log	4	
White Oak	1	Log	3	
Red Maple	29	Log	4	23
Northern Pin Oak	5		18	
Northern Pin Oak	25	Log	4	23
Quaking Aspen	20	Log	4	

80	4130 - Aspen	Poletimber Well	21.1	51	81-110	N/A	White pine subcanopy gradually increases westward. A few supercanopy red and white oak left on the hilltop, where a few red oak of the main cohort have managed to become canopy constituents.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	1		9		White Pine	Low	>20 feet	>20 feet
White Pine	4		10		Red Maple	Medium	>20 feet	>20 feet
Red Maple	10	Sapling	5		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	45		10	51				
Quaking Aspen	40		10	51				

81	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	4.9	101	81-110	N/A	Red and jack pine with aspen and oak. Quality improves to the east.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	1		15		Red Maple	Medium	>20 feet	>20 feet
Red Maple	10		10		Black/Red (Hybrid) Oak	Medium	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	20		13		White Pine	Low	Variable	Variable
Black/Red (Hybrid) Oak	7		15		Black Cherry	Low	< 5 feet	< 5 feet
White Pine	5		13					
Red Pine	57		14	101				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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82 42101 - Planted White Pine, Mixed Deciduous Sawtimber Well 29.8 101 81-110 N/A Was thinned in the Fall 2016. White pine and white oak are developing in the subcanopy. Planting record of 1924.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	15		14		Beech	Trace	5 - 10 feet	5 - 10 feet
Red Maple	5	Seedling	9		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Pine	3		15		Red Maple	High	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	7		14		Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
White Pine	70		16	101	White Pine	Medium	5 - 10 feet	5 - 10 feet
					White Oak	Medium	< 5 feet	< 5 feet

83 42110 - Planted Red Pine Sawtimber Well 8.6 101 81-110 N/A Red pine plantation looks to have been previously harvested. Previous inventory claims 1924 plant date. Cores area at about 74 years

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5		16		White Oak	Low	5 - 10 feet	5 - 10 feet
White Pine	25		16		Beech	Trace	10 - 20 feet	10 - 20 feet
Red Pine	68		15	101	Red Maple	Medium	Variable	Variable
Red Maple	2	Seedling	8	47	Black/Red (Hybrid) Oak	Low	Variable	Variable
					White Pine	Low	>20 feet	>20 feet
					Black Cherry	Low	>20 feet	>20 feet

84 4126 - White, Black, N. Pin Oak Sawtimber Well 8.1 109 81-110 N/A Mature oak stand, the trees are large and healthy, the density is uniform. Super canopy white pine. The stand appears to have been harvested years ago using a shelterwood or heavy thinning, which has led to a 2nd age of aspen, white pine, and some red maple in a few spots.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	35		18	109	Red Maple	High	>20 feet	>20 feet
Black/Red (Hybrid) Oak	34		19		White Pine	Low	10 - 20 feet	10 - 20 feet
White Pine	5		25		Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
White Pine	10		12	68				
Red Maple	15		16					
Bigtooth Aspen	1		10	48				

85 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 8.3 63 51-80 N/A Stand is uneven aged with red maple and aspen coring at around 60 years and the larger white pines estimated to 156 years. Transition to lowland in the north. Open areas of the stand have filled in with yet another cohort that is varied in age and composed of mostly red maple and white pine with minor components of cherry and oak.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	1		16		Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	15		16		Black Cherry	Low	Variable	Variable
White Pine	10	Seedling	8	33	Red Maple	Medium	Variable	Variable
White Pine	21		25	156				
Red Maple	30		12	63				
Red Maple	10	Log	4	22				
Paper Birch	2	Seedling	9					
Quaking Aspen	10		13	60				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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86	4131 - Aspen, Oak	32.6	20	Immature	N/A	Stand was regenerated in 2005. Planted red pine 2007 failed, retried 2009 which is widely relegated to to subcanopy now.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	2	Log	3		Red Pine	Medium	5 - 10 feet	5 - 10 feet
Red Pine	5	Log	3	18	White Pine	Low	Variable	Variable
Red Maple	10	Log	4		White Oak	Trace	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	30	Log	4	20	Red Maple	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen	20	Log	4					
Black/Red (Hybrid) Oak	25	Log	4					
Black Cherry	8	Log	4	20				

87	4126 - White, Black, N. Pin Oak	35.5	110	51-80	N/A	A shelterwood was applied to this oak stand around 20 years ago.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	60		16	110	White Pine	Medium	Variable	Variable
Black/Red (Hybrid) Oak	40		16	110	White Oak	Medium	< 5 feet	< 5 feet
					Red Maple	Full	Variable	Variable
					Bigtooth Aspen	Low	Variable	Variable

88	42110 - Planted Red Pine	Sawtimber Well	12.8	101	81-110	N/A	Old planting record checked.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	1		14		Black/Red (Hybrid) Oak	Low	Variable	Variable
Red Pine	95		15	101	White Pine	Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	3		14					
Jack Pine	1	Sapling	5					

89	42110 - Planted Red Pine	38.6	101	81-110	N/A	An old railroad grade and an orv trail run through the stand. Stand was thinned in the fall of 2016. Old plantation record checked.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	100		14	101	White Oak	Low	Variable	Variable
					Black/Red (Hybrid) Oak	High	5 - 10 feet	5 - 10 feet
					Black Cherry	Low	Variable	Variable
					Blueberry/Bilberry/Cranberry	High	5 - 10 feet	5 - 10 feet
					Red Maple	Low	Variable	Variable

90	42100 - Planted White Pine	Sawtimber Well	8.8	101	81-110	N/A	White pine plantation with dense single stem red maple in subcanopy. White pine seedlings established well where the equipment drove last thinning. Stand treated in the fall 2016. Old planting record checked.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	1		15		Red Maple	Full	Variable	Variable
White Pine	99		16	101	White Pine	Low	< 5 feet	< 5 feet
					Witch Hazel	Low	5 - 10 feet	5 - 10 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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91	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	8.4	41	51-80	N/A	Stand was regenerated in 1984. It looks like some scattered saplings where left last cut hence the log size poor form pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	30	Seedling	7	41	White Oak	Low	Variable	Variable
Red Pine	10		16		Black/Red (Hybrid) Oak	Medium	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	30	Seedling	6	41	White Pine	Low	5 - 10 feet	5 - 10 feet
White Pine	10		16	56				
Jack Pine	20	Seedling	7					

92	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	15.7	20	Immature	N/A	Stand was regenerated in 2005. Trenched and planted to red pine. Oak is now the dominant component. Contains orv route. Red pine is mostly relegated to the subcanopy under the hardwood saplings.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	2	Log	3		Red Pine	High	< 5 feet	< 5 feet
Red Pine	33	Log	3	20				
Red Maple	10	Log	1					
Bigtooth Aspen	15	Log	4	20				
Black/Red (Hybrid) Oak	35	Log	3	20				
Black Cherry	5	Log	4					

93	4310 - Pine, Oak Mix	Sapling Poor	102.5	8	Immature	N/A	Stand was harvested in 1997. The west half was sparse aspen and red maple. The northeast portion was planted with jack pine. The stand was involved with a wildfire in 2015. Decided to put red pine back in. The sedge is thick. Was roller chopped in 2016 and trenched then planted in 2017. Third year regeneration check found the red pine mortality was low enough to not need a replant. The scheduled release spray is still a must because of FTG concerns. Release spray FTP is C71-1015. Release sprayed 09/2020. 2024 red pine survival was better on the south side. The rest of the stand will become a mix of red pine, oak, and cherry.
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Canopy Species	% Cover	Size Class	DBH	Age
Pin Cherry	27	Log	1	
Northern Pin Oak	20	Log	1	
Red Pine	3	Seedling	6	
Red Pine	50	Log	1	8

94	4199 - Other Mixed Upland Deciduous	Sapling Medium	1.3	8	Immature	N/A	The stand looks to have been burned with the surrounding stands. Lots of dead stems. Mature pine and oak have survived. Cherry, aspen, and oak have regenerated.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	45	Log	2	8
Northern Pin Oak	7	Log	2	
Quaking Aspen	28	Log	2	
Pin Cherry	20	Log	2	

95	4131 - Aspen, Oak	Poletimber Well	41.1	30	51-80	N/A	1925 planting record of red and jack pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	3	Seedling	7		Red Pine	Trace	5 - 10 feet	5 - 10 feet
Quaking Aspen	55	Sapling	6	30	Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	20	Sapling	6		White Pine	Low	Variable	Variable
Jack Pine	2	Sapling	6		Jack Pine	Trace	5 - 10 feet	5 - 10 feet
Black Cherry	20	Sapling	5		Black Cherry	Medium	5 - 10 feet	5 - 10 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
96	710 - Sand, Soil	Unspecified	2.7				Oil & gas infrastructure.Active site.
97	790 - Other Bare/Sparsely Vegetated	Unspecified	1.1				Oil & gas infrastructure
98	790 - Other Bare/Sparsely Vegetated	Unspecified	0.5				NO Oil/gas infrastructure present at this time but there is a well on the adjacent private.
99	42121 - Planted Jack Pine, Mixed Deciduous		6.8	8	Immature	N/A	Split from 66. This was planted to jack pine instead of red pine.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	20	Log	1	8
Jack Pine	79	Log	1	8
Red Maple	1	Log	1	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
100	4310 - Pine, Oak Mix	Sawtimber Well	3.6	96	81-110	N/A	Was split from 18 due to high pine component.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	2		22	
Red Pine	15	Seedling	8	
White Oak	10		13	
Bigtooth Aspen	13		15	
Black/Red (Hybrid) Oak	32		13	96
White Pine	25	Seedling	7	50
White Pine	3		24	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	>20 feet
White Pine	Medium	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
101	4131 - Aspen, Oak	Sapling Well	1.3	19	Immature		Stand was regenerated in 2006. Split from 25 because of open condition.

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
White Pine	Low	10 - 20 feet	10 - 20 feet
White Oak	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
102	3102 - Grass	Unspecified	8.9			No	Once was a finger from the stand to the immediate north. Was final harvested and planted with red pine twice. The red pine has failed and the trenches filled in. There is no competition in an amounts to impact the seedlings. Retrenched in 2019. Planted spring 2021. 2021 regen check 744TPA 93% FTG. 2023 regen check shows 88% FTG and 745 TPA. Consider merging to stand 7.

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Medium	< 5 feet	< 5 feet
White Pine	Low	< 5 feet	< 5 feet
Black Cherry	Low	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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103 42111 - Planted Red Pine, Mixed Deciduous 31.6 18 Immature N/A Stand was regenerated in 2005. Planted red pine 2007 failed, retried 2009 which is widely relegated to to subcanopy now.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Log	4		White Pine	Low	Variable	Variable
Red Maple	5	Log	4		Red Maple	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	10	Log	4		Red Pine	High	5 - 10 feet	5 - 10 feet
White Oak	2	Log	3		White Oak	Trace	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	10	Log	4					
Black Cherry	3	Log	4	20				
Red Pine	60	Log	3	18				

104 42111 - Planted Red Pine, Mixed Deciduous Sapling Medium 4.3 18 Immature N/A Stand was cut in 2005 and trenched and planted to red pine. This portion of the stand which was split from 92 did not regenerate as well but because of this, has a higher percentage of red pine. Contains orv route.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	2	Log	3		Red Pine	High	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	10	Log	3	20				
Black Cherry	13	Log	4					

105 3102 - Grass Poletimber Well 1.0 No