



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71085

Entry Year: 2026

Acreage: 4,907

County: Ogemaw

Management Area: High Sand Plains

Stand Examiner: Jason Lewicki

Legal Description:

: T23N, R2E Sections 3, 4, 5, 8, 9, 10, 15, 16, 17, 21, 22.

Identified Planning Goals:

Prescribe harvests for aspen blocks, balancing the aspen age-class distribution while retaining under-represented species within these stands, primarily oak and pine, to maintain species diversity and provide wildlife value. Liquidate 1930s era red pine plantations before growing out of merchantability which will regenerate oak. Prescribe harvests to existing oak stands to promote the recruitment of white pine into the overstory.

Soil and topography:

Soils are generally sandier and of poorer nutrient quality on the west end of the compartment. Soil productivity increases as you reach the east end of the compartment. Soils consist mostly of Graycalm Sands, Rubicon Sands, Klacking Sands, and Montcalm Loamy Sands. Terrain in the NW quarter is mostly flat, with increasing topography to the south and east.

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

State ownership is solid in the northern portions with interspersed private to the south. The area is highly used recreationally for hunting and ORV riding.

Unique Natural Features:

Hill's thistle record to northwest. Bald eagle records to the northeast. Blanding's turtle 2 miles east of the compartment.

Archeological, Historical, and Cultural Features:

2 archaeological sites appear to be old homestead sites.

Special Management Designations or Considerations:

Sections 4, 5 & 9 are within endangered species Kirtland's warbler habitat (Damon Unit).

Watershed and Fisheries Considerations:

The east end of this compartment contains several small Coldwater streams which drain into the Rifle River. Riparian buffers will be utilized in sections 15 & 22 around high priority streams.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift are the Mississippian Michigan Formation and Bayport Limestone. The Michigan is quarried for gypsum and the Bayport for limestone elsewhere in the state.

No known potential exists for metallic minerals in this part of the state. The closest known active sand/gravel operations are three miles south. There appears to be some good potential for sand & gravel within the compartment on the uplands, but the compartment might be too far from populated areas (markets) for any potential sand & gravel resources to have much economic value beyond use by the county road commission or DNR for local road maintenance. The compartment is bordered on the north by the Rose City oil & gas field. The field is relatively old, but the majority of wells are still producing, aided by secondary recovery operations. Expansion of the field is unlikely. State-owned oil & gas rights in the northeast portion of the compartment are currently leased and held by production. An isolated deep gas well was permitted and drilled in 2008 near the center of the compartment. The well record shows gas was present at multiple levels, but the well never went into production and was reported as a dry hole. Potential for additional future oil & gas development within the compartment is considered low at this time. 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:

The only vehicle access to sections 15 and 22 is by the dead end of W Esmond Rd and off Scribner Rd. The rest of the

compartment has public roads around most sections.

Survey Needs:

None necessary at this time.

Recreational Facilities and Opportunities:

This compartment is heavily used for deer hunting. Consider placement of retention pockets for best visual aesthetics for road/trail users. The compartment is a matrix of public and private ownership. Several dedicated ORV trails wind their way through the NW quarter of this compartment. Utilize timber management to curtail resource damages.

Fire Protection:

The majority of fire prone cover types in this compartment are in sections 5 and 8. Fire suppression within this compartment should not be a problem due to the presence of numerous natural fire breaks. Access may be a problem if a fire does occur, due to the limited vehicle access and low, wet terrain in sections 15 and 22.

Additional Compartment Information:

The following reports from the Inventory are attached:

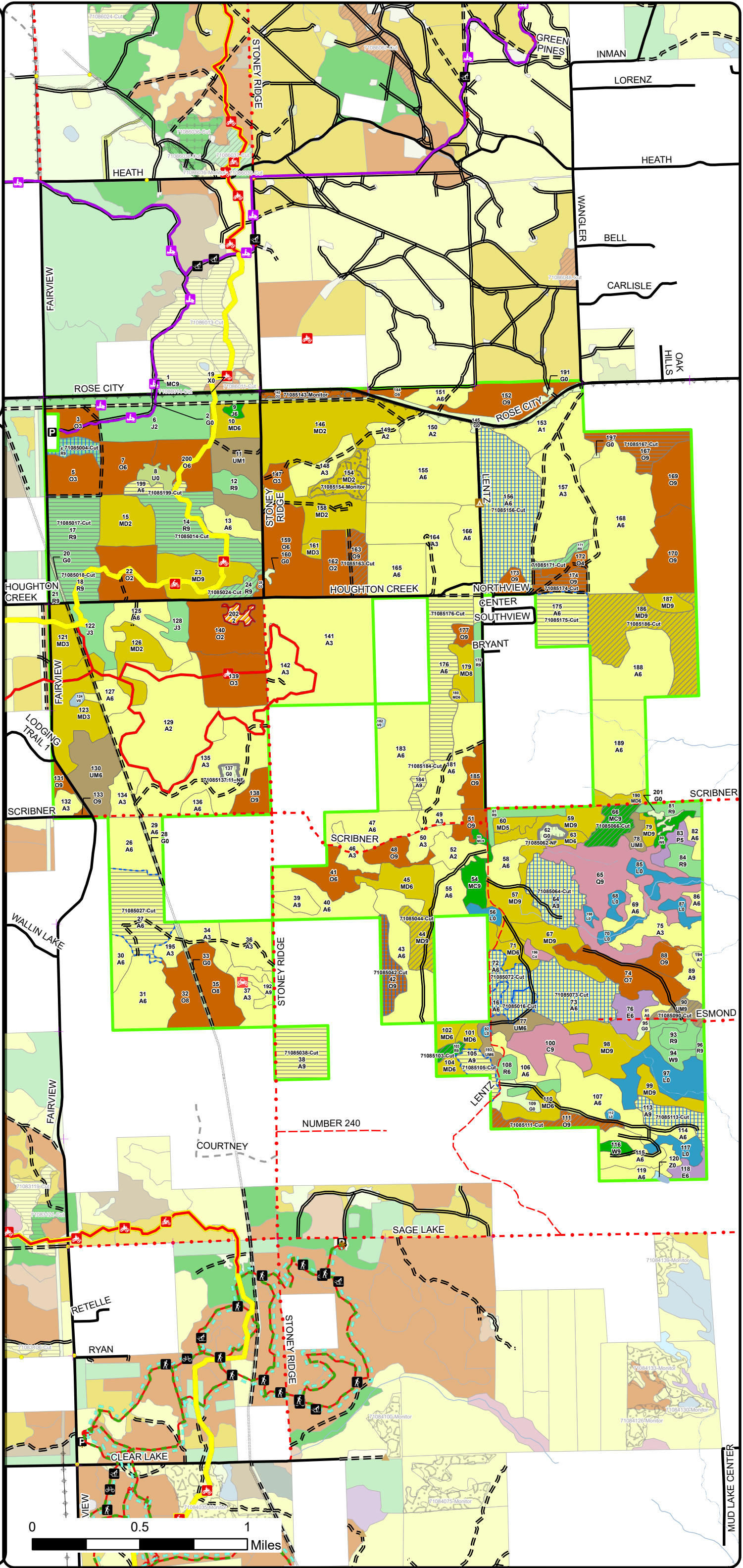
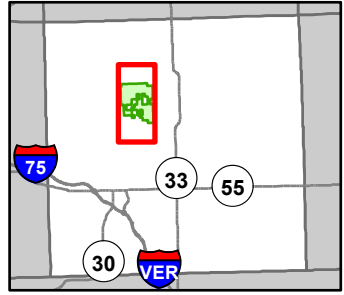
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

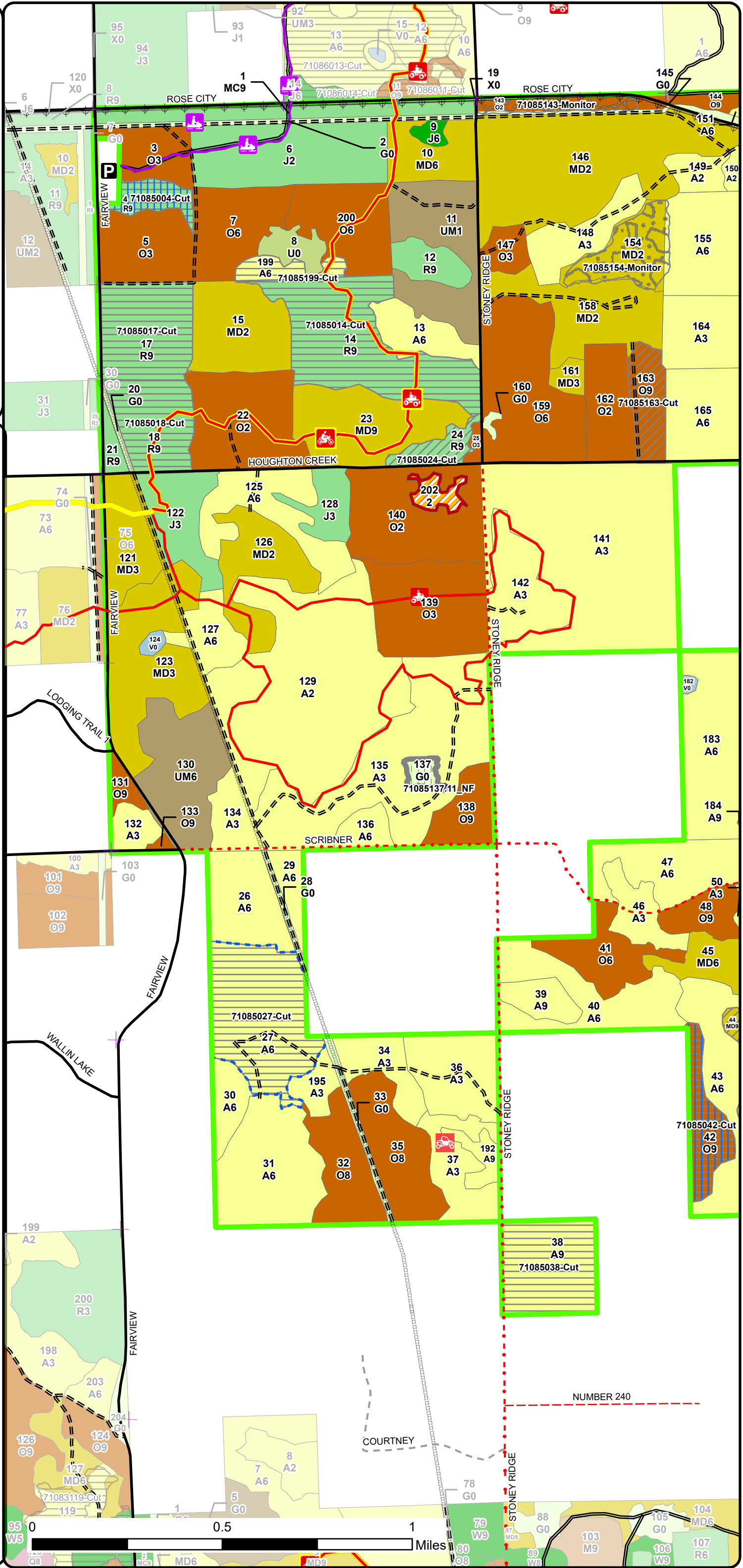
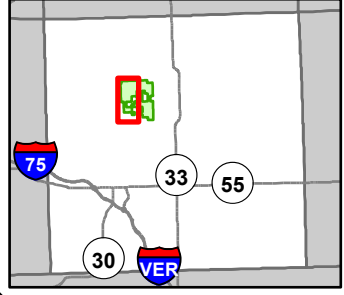
Compartment: 71085
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 County: Ogemaw
 Unit: Roscommon
 Mgmt Area: High Sand Plains
 YOE: 2026
 Acres: 4907.1 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 10/3/2024
 Map Phase: Post Review



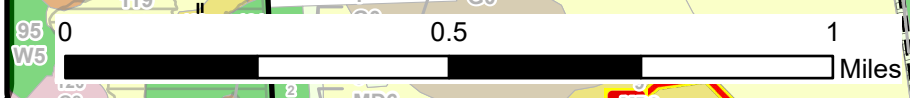
- Hiking Trails
- Bike Trails
- Ski Trails
- MCCCT Trails
- ORV Trails
- 65" Restricted ORV Route
- Snowmobile Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Hiking Pathways
- Designated Snowmobile Trails
- Designated ATV Trails
- Designated MCCCT Trails
- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Culvert
- Campground
- Parking Lot
- Sign
- Trailhead
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Opening Maintenance
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland
- No Stand Data

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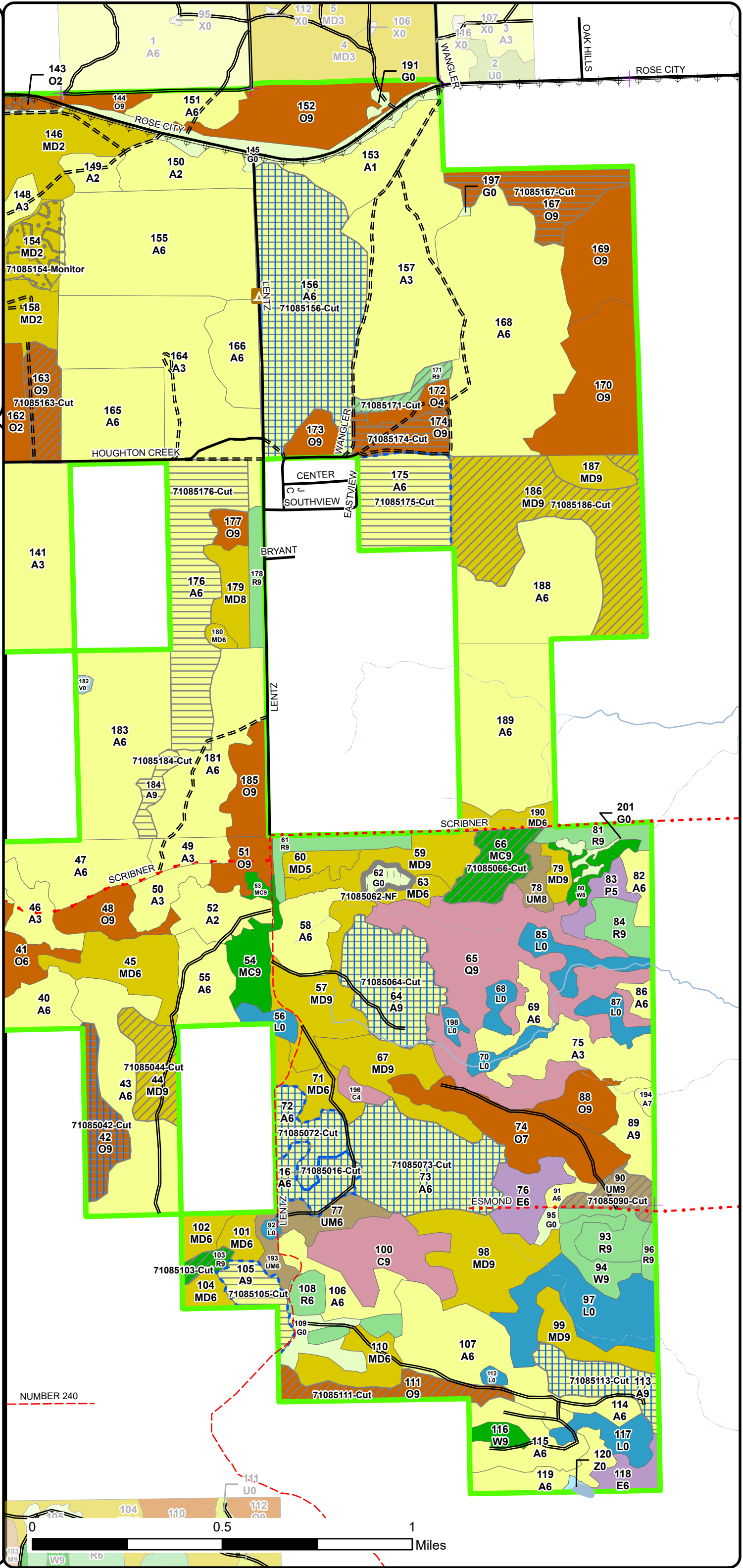
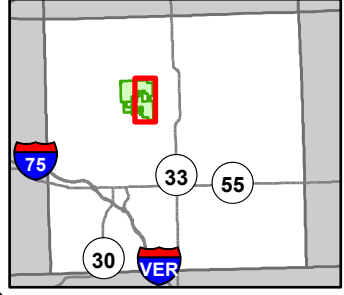


- MCCCT Trails
- ORV Trails
- 65" Restricted ORV Route
- Snowmobile Trails
- Designated Snowmobile Trails
- Designated ATV Trails
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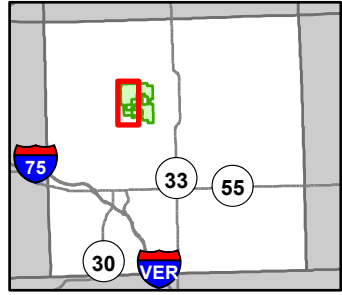
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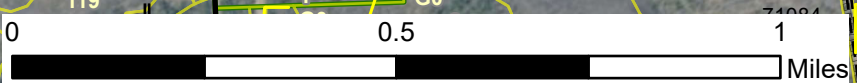
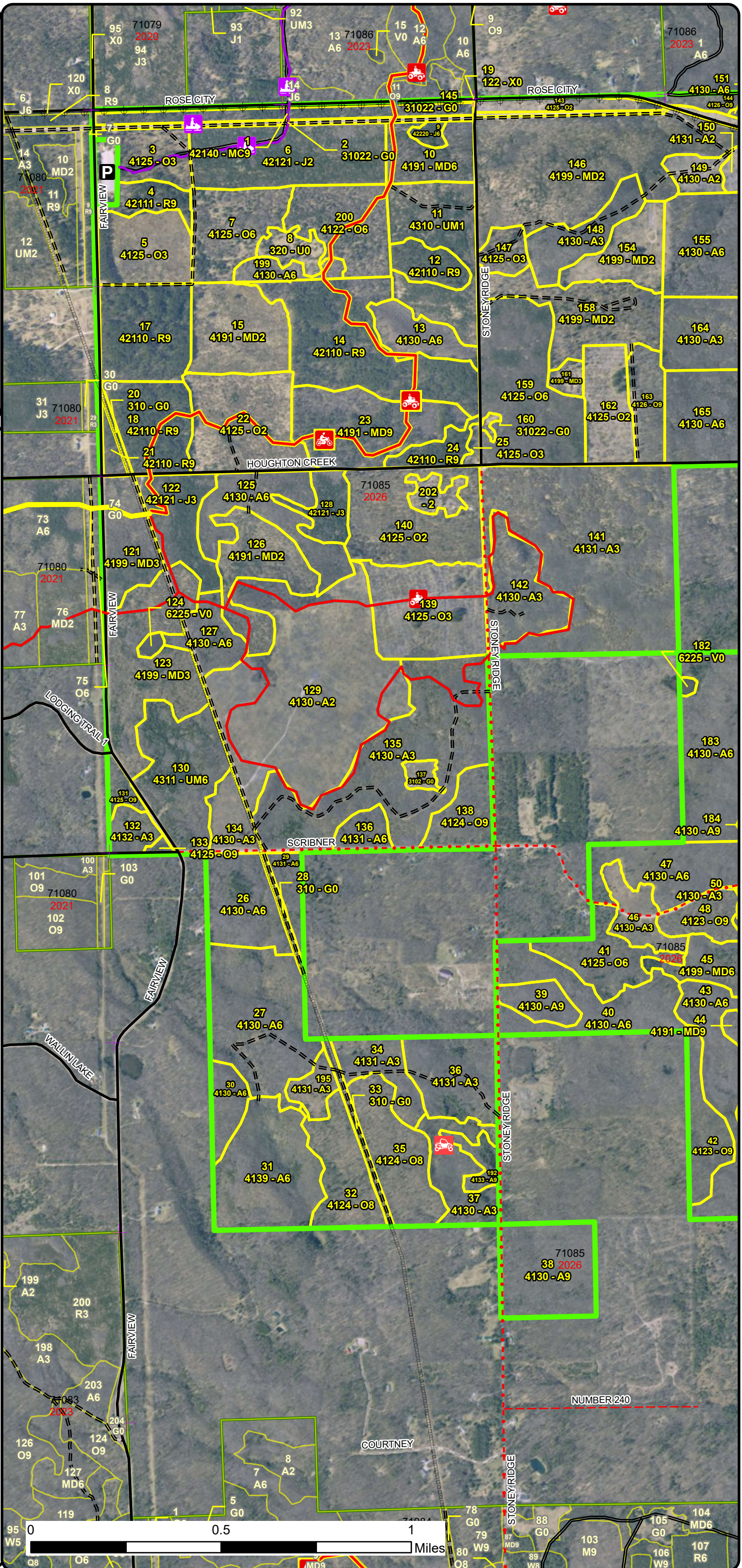
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Stand Boundary Map

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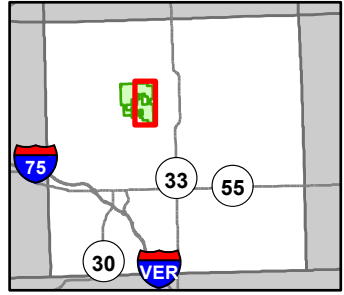


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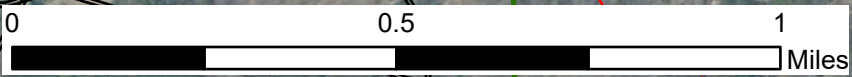
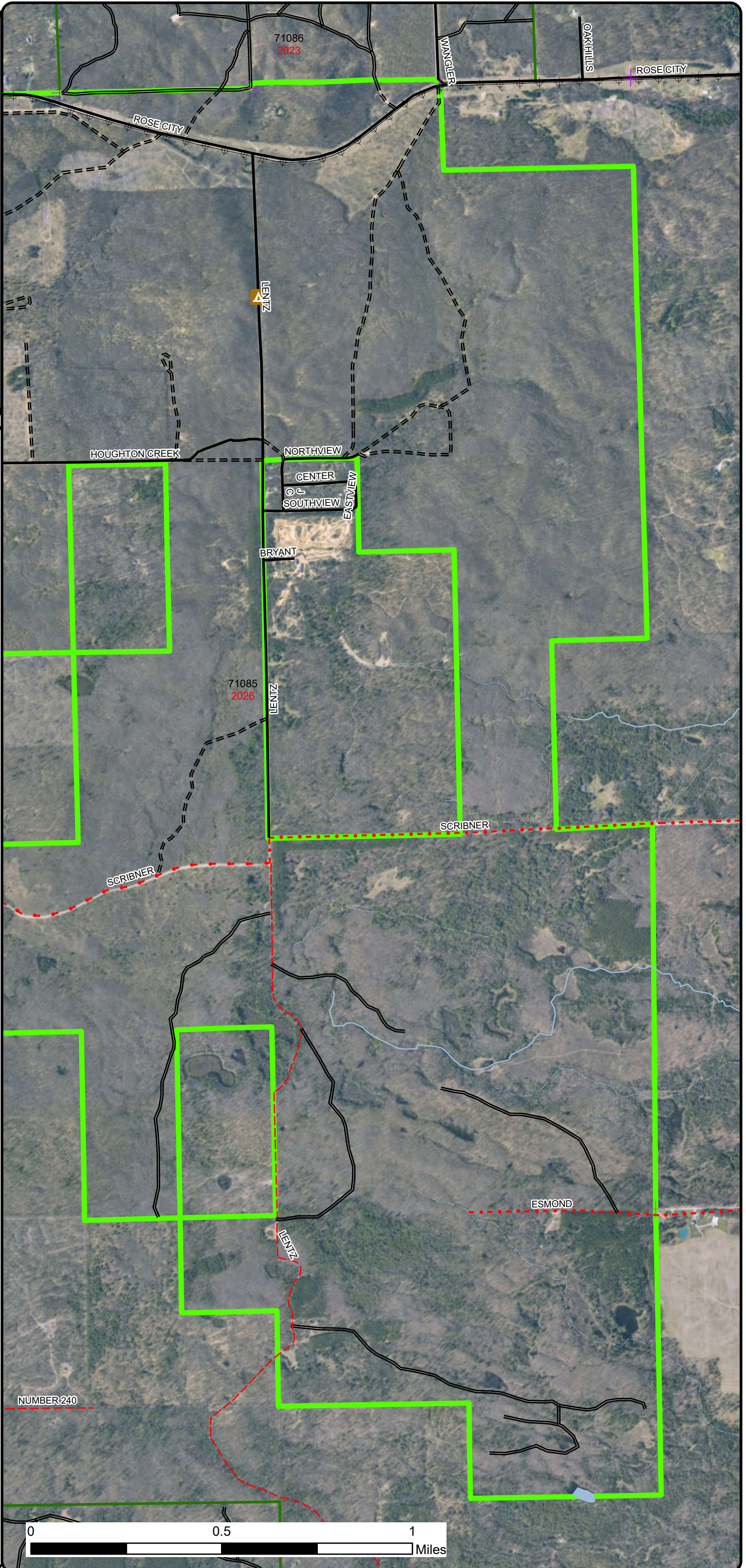


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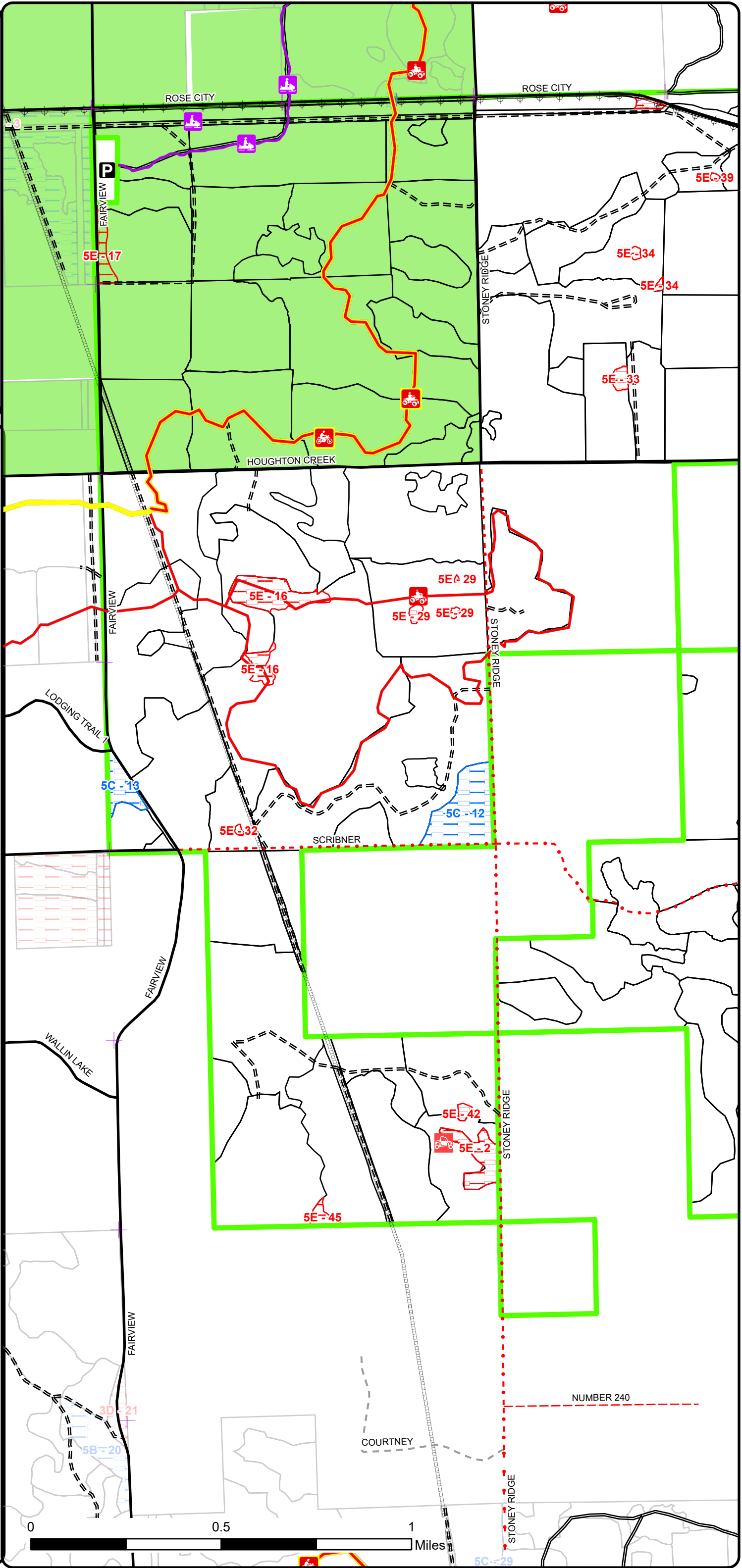
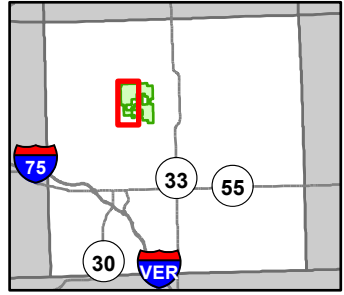


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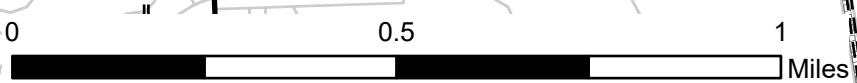


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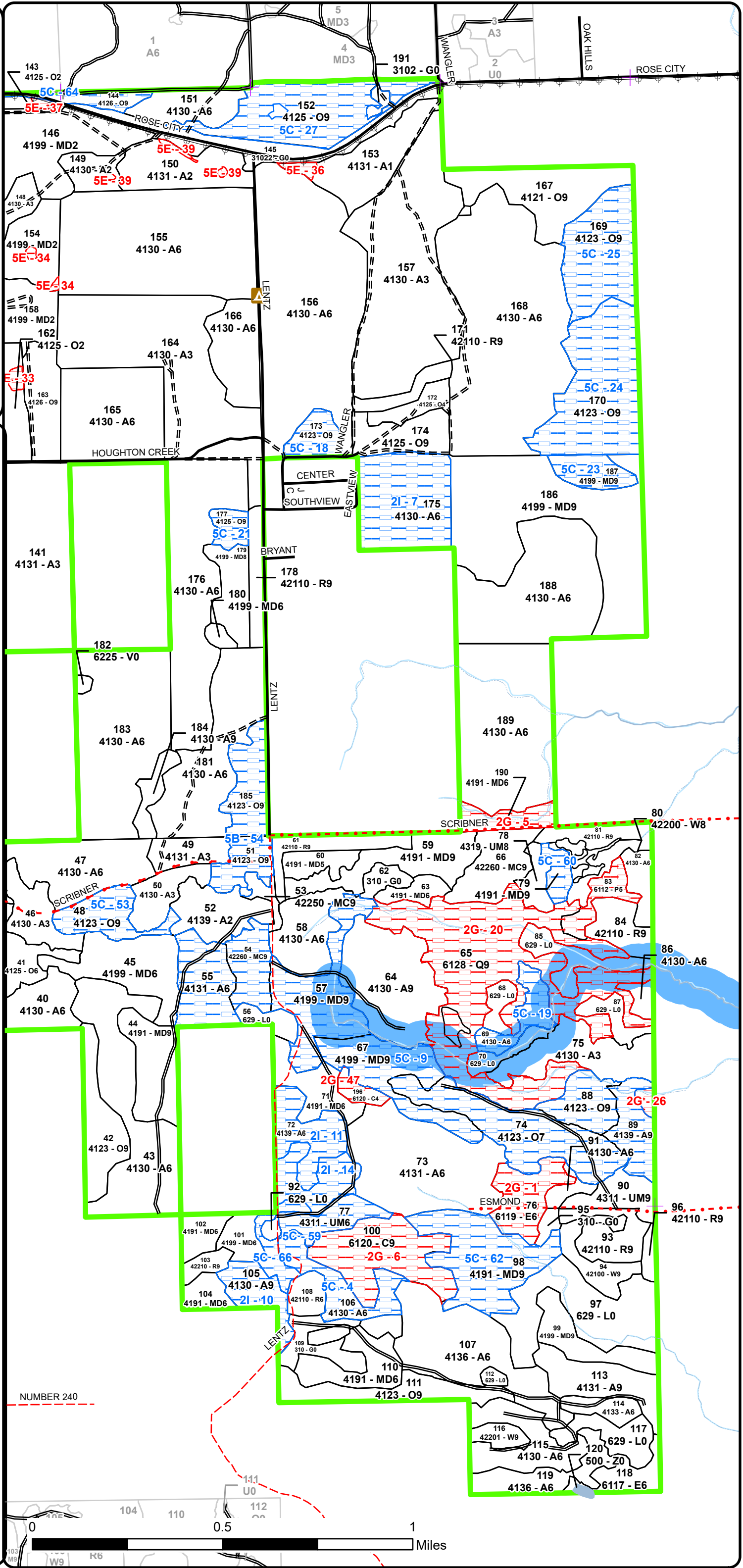
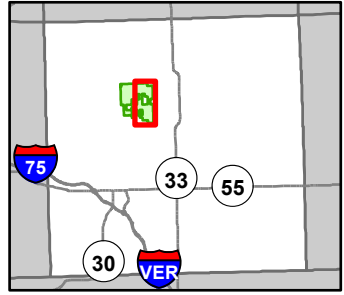


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 5E: Long-Term Retention
- Available w/ Constraints
- Unavailable
- Stand Boundaries
- Stand Boundaries
- Kirtland Warbler Habitat

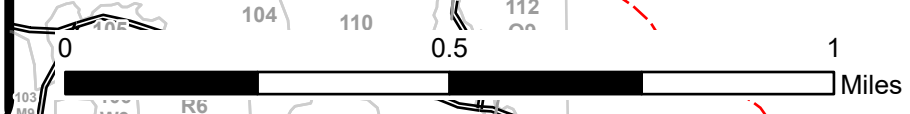


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment 85 Year of Entry 2026



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+	Unseen-Aged	Total
	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Aspen	0	233	106	463	495	751	243	80	0	7	0	0	0	0	0	0	0	0	2377
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	4	0	0	0	34	0	0	0	0	0	0	38
Herbaceous Openland	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76
Jack Pine	0	0	0	53	41	0	0	0	0	0	0	0	0	0	0	0	0	0	94
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	101
Lowland Deciduous	0	0	0	0	0	9	0	17	0	0	0	0	0	0	0	0	0	0	26
Lowland Shrub	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93
Mixed Upland Deciduous	0	28	78	131	131	38	17	22	15	0	51	164	59	0	0	0	0	30	764
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	37
Oak	0	83	107	49	62	89	7	21	0	2	6	304	106	0	0	0	0	0	835
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	21
Red Pine	0	0	0	0	0	0	13	28	38	5	173	0	0	0	0	0	0	0	256
Upland Mixed Forest	0	0	0	42	45	0	0	8	0	0	0	11	12	0	0	0	0	7	125
Upland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	7	5	0	12	0	0	0	0	0	0	0	0	0	24
Total	194	344	298	738	774	894	285	180	74	14	251	513	214	0	0	0	0	138	4907



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 85
Total Compartment Acres: 4,907

Commercial Harvest - 654
Harvests with Site Condition - 248
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversory Removal	Salvage	Other	Total Acres
Aspen	230	0	0	263	0	0	0	0	0	493
Mixed Upland Deciduous	0	0	0	0	0	107	0	0	0	107
Natural Mixed Pines	0	0	0	0	0	19	0	0	0	19
Oak	47	0	0	20	0	37	0	0	0	104
Red Pine	136	0	0	11	0	21	0	0	0	168
Upland Mixed Forest	0	0	0	0	0	12	0	0	0	12
Total	414	0	0	293	0	194	0	0	0	901

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	901	0	0	0	0	0	32	0	9	942
Next Step	0	0	0	0	0	0	719	0	9	727
Total	901	0	0	0	0	0	751	0	18	1670



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	71085004-Cut	10.7	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	92	81-110	Harvest	Seed Tree	4125 - Black, N. Pin Oak	Even-Aged	No
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Prescription Remove all trees 2" and up. Leave 10 BA of red pine as a seed source/nurse trees.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

14	71085014-Cut	67.4	42110 - Planted Red Pine	Sawtimber Well	92	81-110	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	No
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Prescription Place retention islands or strips along the ORV trail. 4"+ spec on everything. Protect ORV trail with appropriate specs. Do not cut white pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of oak, pine, or red maple at fully stocked levels.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

16	71085016-Cut	15.1	4130 - Aspen	Poletimber Well	60	111- 140	Harvest	Seed Tree	413 - Aspen	Even-Aged	No
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Prescription Remove all stems 2"+. Leave all red oak 6"+. Leave all white pine. Apply drumming log specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of aspen with pine and oak.

Regen:

Other

Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/1 /2025



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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	71085017-Cut	38.8	42110 - Planted Red Pine	Sawtimber Well	92	141-170	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	No
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Prescription Cut everything 4" and up. Place a retention strip along the west side of the stand similar to the stand to the north.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

18	71085018-Cut	30.2	42110 - Planted Red Pine	Sawtimber Well	92	81-110	Harvest	Clearcut with Retention	4122 - Oak, Pine	Even-Aged	No
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Prescription Cut everything 4" and up. Use islands as retention along the ATV trail. Use appropriate specs to protect the ATV trail. Use appropriate specs to protect oil/gas line to the west.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

24	71085024-Cut	9.5	42110 - Planted Red Pine	Sawtimber Well	92	111-140	Harvest	Crown Thinning	42110 - Planted Red Pine	Even-Aged	No
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Prescription Thin from above down to 70 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

27	71085027-Cut	58.5	4130 - Aspen	Poetimber Well	50	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all stems 2 inches and up. Do not cut white pine. Mark to leave 2-3 TPA of healthy crown red oak in the SE corner of the stand where the site quality is the best. Apply drumming log specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of aspen with oak and pine.

Regen:

Other

Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/1 /2025



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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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38	71085038-Cut	39.6	4130 - Aspen	Sawtimber Well	53	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Cut all stems 2"+. Leave all oak. leave all white pine not to exceed a 5 BA. Place a retention islands in an area which is heaviest to white pine advance regen. Apply drumming log specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

Other

Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/1 /2025

42	71085042-Cut	19.7	4123 - Red Oak	Sawtimber Well	104	111-140	Harvest	Seed Tree	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
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Prescription Mark to leave 10 BA of white oak and red oak. Prioritize the dominant white oak to select. Apply oak wilt specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

44	71085044-Cut	21.1	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	117	81-110	Harvest	Crown Thinning	4319 - Mixed Upland Forest	Uneven-Aged	No
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Prescription Thin to 70 BA. BA will vary. Remove all black oak and declining red oak. Target saw log red maple, old aspen, suppressed red/black/white oak, sawlog black cherry for removal. Do not mark any red or white pine unless for operational needs. Apply oak wild specs.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



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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
62 71085062-NF	4.9	310 - Herbaceous Openland	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop/Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Ogemaw Field 16.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</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> 10/1 /2025</p>										
64 71085064-Cut	41.0	4130 - Aspen	Sawtimber Well	47	81-110	Harvest	Seed Tree with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Leave all white oak and white pine. Mark to leave any dominant or codominant oak that is a part of the aspen cohort. Place retention around the wet/steep areas. Apply drumming log specs. Apply oak wilt specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of aspen with white pine, birch, red maple, red & white oak.</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> 10/1 /2025</p>										
66 71085066-Cut	18.7	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	113	111-140	Harvest	Crown Thinning	429 - Mixed Upland Conifers	Uneven-Aged	No
<p><u>Prescription</u> Thin down to 70-90 BA. Focus on releasing white pine and good quality red oak.</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> Opening on the west end of stand 80 should be used as a landing.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
72 71085072-Cut	18.1	4139 - Aspen, Mixed Deciduous	Poletimber Well	48	81-110	Harvest	Seed Tree with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Remove all stems 2"+. Leave all white pine. Leave all red oak 6" and up. Apply drumming log specs. Leave retention in an area heaviest to pine or oak.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of aspen with oak and pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2025</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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73	71085073-Cut	56.7	4131 - Aspen, Oak	Poetimber Well	56	81-110	Harvest	Seed Tree with Retention	4131 - Aspen, Oak	Even-Aged	No
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Prescription Leave all white oak and white pine. Mark to leave any dominant or codominant oak that is a part of the aspen cohort. Place retention around the wet/steep areas. Apply drumming log specs. Apply oak wilt specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

90	71085090-Cut	11.6	4311 - Pine, Aspen Mix	Sawtimber Well	110	111- 140	Harvest	Crown Thinning	42201 - Natural White Pine, Mixed Deciduous	Uneven- Aged	No
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Prescription Cut all aspen and red maple. Aim to remove most red pine over 14". Mark residual of the stand down to 60-90 BA. Focus marking on declining red oak and hybrid oak.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

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

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

103	71085103-Cut	4.5	42210 - Natural Red Pine	Sawtimber Well	80	141- 170	Harvest	Crown Thinning	42210 - Natural Red Pine	Even-Aged	No
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Prescription Thin stand down to 80-90 BA removing poor form stems and red pine that could grow out of merchantability. Leave the largest crown white pine as a seed source.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

105	71085105-Cut	12.7	4130 - Aspen	Sawtimber Well	46	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Remove all stems 2"+. Leave all oak 7"+. Place retention in an area heaviest to oak and pine. Apply drumming log specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix primarily consisting of aspen with oak and pine at fully stocked levels.

Regen:

Other

Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/1 /2025



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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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111	71085111-Cut	19.5	4123 - Red Oak	Sawtimber Well	112	81-110	Harvest	Crown Thinning	4319 - Mixed Upland Forest	Uneven-Aged	No
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Prescription Thin stand down to 70 BA. Focus on removing low forked oak and sawlog aspen. Avoid marking white pine unless for operational needs.
Specs: Apply oak wilt specs.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

113	71085113-Cut	20.4	4131 - Aspen, Oak	Sawtimber Well	63	81-110	Harvest	Seed Tree with Retention	413 - Aspen	Even-Aged	No
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Prescription Mark to leave no more than 10 BA of red oak, white oak and white pine. Retention pockets should be focused in the NW around the low ground areas. Apply Drumming log specs. Apply oak wilt specs.

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

Acceptable Any mix of aspen, oak, and pine at fully stocked levels.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

137	71085137.11_NF	3.9	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/Grass Planting	310 - Herbaceous Openland		No
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Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Ogemaw Field 19.
Specs:

Next Step NonForestMgt, Herbaceous/Crop/Grass Planting
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2018

143	71085143-Monitor	10.0	4125 - Black, N. Pin Oak	Sapling Medium	5	Immature	Monitoring	Natural Regen (Re-Inventory)	412 - Oak Types	Even-Aged	No
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Prescription .
Specs:

Next Step
Treatments:

Acceptable Any mix of oak and red maple at fully stocked levels.
Regen:

Other Percent to Treat = 100%
Comment:

Site Condition:

Proposed Start Date: 10/1 /2028



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
154	71085154-Monitor	22.3	4199 - Other Mixed Upland Deciduous	Sapling Medium	3	Immature	Monitoring	Natural Regen (Intermediate)	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> .</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of aspen, oak and maple at fully stocked levels.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2028</p>											
156	71085156-Cut	111.6	4130 - Aspen	Poletimber Well	43	51-80	Harvest	Seed Tree with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Remove all stems 2"+. Leave retention in areas heaviest to oak. Do not cut oak 8"+. Leave all white pine. Apply Drumming log spec.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of aspen and oak.</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> 10/1 /2025</p>											
163	71085163-Cut	17.1	4126 - White, Black, N. Pin Oak	Sawtimber Well	103	81-110	Harvest	Crown Thinning	4199 - Other Mixed Upland Deciduous	Two-Aged	No
<p><u>Prescription</u> Thin to 60 BA focusing on leaving white oak. Consider leaving good form red maple poles as well. Include oak wilt spec.</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> 10/1 /2025</p>											
167	71085167-Cut	31.6	4121 - Oak, Aspen	Sawtimber Well	107	141-170	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	No
<p><u>Prescription</u> Cut all stems 2"+. Leave white oak 10" and larger. Place retention on the east end. Protect gas line with appropriate specs. Apply oak wilt specs. Apply drumming log specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of aspen and 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> 10/1 /2025</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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171	71085171-Cut	6.7	42110 - Planted Red Pine	Sawtimber Well	67	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Mark stand to decrease stocking to 80 BA. Remove all large oaks that are in the canopy. Apply specs to Protect understory white pine.
Specs:

Next Step
Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

174	71085174-Cut	15.8	4125 - Black, N. Pin Oak	Sawtimber Well	62	51-80	Harvest	Clearcut	4122 - Oak, Pine	Even-Aged	No
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Prescription Do not cut white pine or red pine. Use 2" and up spec. Protect trails with appropriate specs. Replant to red pine if regen fails planting around areas of acceptable oak regen. Leave 4-5 snags per acre.
Specs:

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

Acceptable Regen: Any mix of red or white oak, white pine, red pine, jack pine, red maple, at fully stocked levels.

Other Comment: Make sure that this treatment boundary goes on the south side of the east/west trail because part of stand 175 has black/red hybrid oak in it on the north side and I am trying to protect the good oak in that stand and don't want the contractors to leave all of the poor-quality oak on the north side of it.

Site Condition:

Proposed Start Date: 10/1 /2025

175	71085175-Cut	39.1	4130 - Aspen	Poletimber Well	44	51-80	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
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Prescription Place retention on the NW corner around the area with large red and white pine but not all the way to the rd. Do not cut red or white oak. Do not cut red or white pine. Use appropriate specs to protect sub-canopy white pine 4" and under. Cut all aspen and red maple 2" and up. Make the treatment boundary from stand 174 to the north come into the north side of this stand in order to cut the black/red hybrid oak near the road/trail. Apply drumming log specs.
Specs:

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

Acceptable Regen: Any mix of aspen with red & white pine, red or white oak, red maple, at fully stocked levels.

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/1 /2025



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
176	71085176-Cut	64.4	4130 - Aspen	Poletimber Well	51	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Remove all stems 2"+. Do not cut white pine. Place retention in an area heaviest to oak. Mark to leave 30-40 good quality dominant/codominant oak growing among the aspen. Apply drumming log specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix dominated by aspen with oak and white pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Unspecified</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
184	71085184-Cut	7.0	4130 - Aspen	Sawtimber Well	63	141-170	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Remove all stems 2"+. No retention due to small stand size. Apply drumming log specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix primarily composed of bigtooth aspen.</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> 10/1 /2025</p>											
186	71085186-Cut	85.5	4199 - Other Mixed Upland Deciduous	Sawtimber Well	104	141-170	Harvest	Crown Thinning	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Mark to thin down to 90-100 BA. Prioritize releasing the crowns of good form white and red oak by marking adjacent aspen and overstory red maple first, then red oak. Do not cut white or red pine.</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> 10/1 /2025</p>											
199	71085199-Cut	8.5	4130 - Aspen	Poletimber Well	54	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut stand down to 2". Save all white pine for seed source and diversity. Apply Drumming log specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any Mix of aspen, oak, white 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> 10/1 /2025</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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Total Treatment Acreage Proposed: 942.2

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 85
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions					
		With Condition				2I	5B	5C	2G	5E	ed
2353	1954	308		26	Aspen	183		125	2	24	64
3	3	0		0	Bog						
38	0	0		38	Cedar				38		
76	76	0		0	Herbaceous Openland			0		0	
95	95	0		0	Jack Pine						
9	0	0		9	Lowland Aspen/Balsam Poplar				9		
101	0	0		101	Lowland Conifers			0	101		
26	9	0		17	Lowland Deciduous				17		
93	91	0		2	Lowland Shrub				2		
764	595	159		10	Mixed Upland Deciduous			159	9	1	
36	22	14		0	Natural Mixed Pines			14			
835	495	331		9	Oak		90	241		9	
21	0	21		0	Planted Mixed Pines			21			
257	245	12		0	Red Pine			12			
124	105	18		0	Upland Mixed Forest			18	0		
9	9	0		0	Upland Shrub						
11	11	0		0	Urban						
1	1	0		0	Water						
24	24	0		0	White Pine						
4,876	3,737	863		212	Total Forested Acres	183	90	590	178	34	64
	77%	18%		6%	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	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 85
Year of Entry: 2026

2	Unavailable	5E: Long-Term Retention	7	2G: Too wet (sensitive soils, does not include access issues)	2F: Too steep	Unspecified	Unspecified
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21				
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	2I: Survey needed	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 85
Year of Entry: 2026

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12				
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	163	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2I: Survey needed	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	2I: Survey needed	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 85
Year of Entry: 2026

14	Available	2I: Survey needed	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	2I: Survey needed	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5E: Long-Term Retention	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	112	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 85
Year of Entry: 2026

21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	2I: Survey needed	59	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	53	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 85
Year of Entry: 2026

27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unspecified	Unspecified	64				
Comments:							
29	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 85
Year of Entry: 2026

37	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	62				
Comments:							
39	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: retention left for Stand 37 to the south							
44	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	46				
Comments:							
45	Unavailable	5E: Long-Term Retention	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 85
Year of Entry: 2026

51	Available	5B: Maintain for regeneration purposes	27
Comments:			
52	Available	5B: Maintain for regeneration purposes	34
Comments:			
53	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15
Comments:			
54	Available	5B: Maintain for regeneration purposes	29
Comments:			
59	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11
Comments:			
60	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5
Comments:			

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 85
Year of Entry: 2026

62	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	38				
Comments:							
64	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7				
Comments:							
66	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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



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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	42140 - Planted Mixed Pine	Sawtimber Well	20.6	92	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		54	Log	14	92	Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling
White Pine		1	Pole/Log	9		Red Pine	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		15	Pole	7	52				
Jack Pine		10	Pole	7	52				
Jack Pine		20	Log	11	92				

2	31022 - Warm Season Grass	Nonstocked	8.5				Powerlines.
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3	4125 - Black, N. Pin Oak	Sapling Well	18.7	10	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		25	Log	16	92	Red Pine	Low	< 5 feet	Seeding
Black/Red (Hybrid) Oak		75	Sapling	1	10	Jack Pine	Low	5 - 10 feet	Sapling

4	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	10.7	92	81-110	N/A	Mostly well stocked mature red pine with openings of jack pine and oak.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		20	Pole/Sapling	5		Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling
Jack Pine		5	Pole	8	61	Pin Cherry	Low	10 - 20 feet	Sapling
Red Pine		75	Log	17	92				

5	4125 - Black, N. Pin Oak	Sapling Well	29.2	12	Immature	N/A	Trenched in 2011; Planted in 2014. Replanted in spring 2018 and the seedlings died. This is a mixed stand with heavy natural oak.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry		15	Sapling	2	10	Red Pine	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak		65	Sapling	3	12				
Red Pine		20	Sapling	1	10				

6	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	53.4	26	1-50	N/A	Nice mix of oak and jack pine. Old notes state that stand was seeded after harvest.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak		20	Sapling	3	26	Pin Cherry	Low	< 5 feet	Sapling
Jack Pine		75	Sapling	4	26	Black/Red (Hybrid) Oak	Low	< 5 feet	Sapling
Pin Cherry		5	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
7	4125 - Black, N. Pin Oak	Poletimber Well	31.2	41	1-50	N/A	Mixed stand of oak, aspen, jack pine, and a few log red pine. Some open areas with scattered pin cherry. Pin cherry and oak in the understory.																																										
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8	320 - Upland Shrub	Nonstocked	8.9			No	Scattered log red pine, jack pine, and pin cherry in opening.																																										
9	42220 - Natural Jack Pine	Poletimber Well	3.1	35	51-80	N/A	Jack pin pole timber stand. A few bigger red pine scattered about. Cherry and oak in understory.																																										
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10	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	20.7	34	51-80	N/A	Most oak regeneration is from stump sprout origin.																																										
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11	4310 - Pine, Oak Mix	Sapling Poor	41.9	24	Immature	N/A	Heavy cherry in some areas. Oak stump sprouts and some natural jack pine.																																										
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12	42110 - Planted Red Pine	Sawtimber Well	11.9	92	51-80	N/A	Red pine stand that was thinned 2 entries ago.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
13	4130 - Aspen	Poletimber Well	17.1	36	1-50	N/A	Aspen/oak stand on steep hill. Bottom of slope is oak and quaking aspen while top of slope is better oak and big tooth aspen. Occasional red or white pine on the perimeter and interior.																																						
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15	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	36.9	14	Immature	N/A	Failed red pine plantation. Coming back to oak, pin cherry, and jack pine. Open spots throughout.																																						
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16	4130 - Aspen	Poletimber Well	15.1	60	111-140	N/A	Split from 73 since it clearly didn't have the large overstory oak component. It does have some nice younger oaks, though.																																						
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17	42110 - Planted Red Pine	Sawtimber Well	38.8	92	141-170	N/A	Nice red pine stand with heavy advanced oak regeneration. Some areas with lower stocked red pine. These areas are filling in with jack pine and oak.																																						
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18	42110 - Planted Red Pine	Sawtimber Well	30.2	92	81-110	N/A	Red pine stand with oak and jack pine in the understory. Lower stocked red pine areas have pole sized jack pine in them.																																						
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19	122 - Road/Parking Lot	Nonstocked	11.1			No	Fairview Road.																																																			
20	310 - Herbaceous Openland	Nonstocked	1.8			No	Oil & gas infrastructure. Enbridge line 5.																																																			
21	42110 - Planted Red Pine	Sawtimber Well	4.4	92	51-80	N/A	Part of a red pine stand that was separated from the original plantation by line 5. Quaking aspen on the SE side of the stand is in decline.																																																			
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22	4125 - Black, N. Pin Oak	Sapling Medium	47.0	24	Immature	N/A	Oak stump sprouts, pin cherry, and a few jack pine. Patchy jack pine.																																																			
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23	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	45.5	92	81-110	N/A	Variable red pine stand with heavy advanced oak regeneration. Oak and jack pine throughout. Both are experiencing heavy decline, especially the jack pine. Some oak regen is approaching pole timber size.																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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26 4130 - Aspen Poletimber Well 29.1 41 1-50 N/A Clump of white pine left when cut in center. Variable site quality.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	10	Pole	5		Red Maple	High	10 - 20 feet	Sapling
Bigtooth Aspen	35	Pole	7	41	White Oak	Low	Variable	Sapling
White Pine	10	Log	12		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Black Cherry	10	Pole	5		Black Cherry	Low	10 - 20 feet	Sapling
Quaking Aspen	25	Pole	6	41				
Red Oak	5	Pole	5					
Red Maple	5	Pole	6					

27 4130 - Aspen Poletimber Well 58.5 50 51-80 N/A Mix of bigtooth in the hills and quaking and jack pine in the low spots. The quaking aspen has a few different ages, and some is past due.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	5	Pole/Log	8		Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	10	Pole	9		White Pine	Low	Variable	Sapling
Red Oak	4	Log	16		Red Maple	Medium	5 - 10 feet	Sapling
Quaking Aspen	51	Pole	8	50				
Bigtooth Aspen	30	Log	12					

28 310 - Herbaceous Openland Nonstocked 3.0 No Oil & gas infrastructure. Enbridge line 5.

29 4131 - Aspen, Oak Poletimber Well 9.1 40 1-50 N/A A few white pine in the overstory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	24	Pole	6		White Pine	Trace	Variable	Sapling
Red Maple	10	Pole	6		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	35	Pole	7	40	Red Maple	Medium	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	28	Pole	6		Black Cherry	Low	10 - 20 feet	Sapling
Black Cherry	3	Pole/Sapling	5		White Oak	Low	5 - 10 feet	Sapling

30 4130 - Aspen Poletimber Well 11.8 48 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	7	Pole	9		Red Maple	High	10 - 20 feet	Sapling
Red Maple	13	Pole	5					
White Oak	1	Pole	6					
Black Cherry	5	Pole	5					
Quaking Aspen	74	Pole	7	48				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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31	4139 - Aspen, Mixed Deciduous	Poletimber Well	50.6	32	1-50	N/A	There is a nice pocket of young white and jack pine on the southwest corner of this stand. Make sure to let them grow longer than the surrounding aspen.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	48	Pole	5	32	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	14	Pole	5		Black Cherry	Low	5 - 10 feet	Sapling
White Pine	9	Pole	7		Red Maple	Medium	10 - 20 feet	Sapling
Jack Pine	8	Pole	5		White Oak	Trace	5 - 10 feet	Sapling
Black Cherry	10	Sapling/Pole	4		Serviceberry (Juneberry)	Low	10 - 20 feet	Sapling
Bigtooth Aspen	10	Pole	6		Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub
White Oak	1	Pole	6		White Pine	Low	10 - 20 feet	Sapling

32	4124 - Red with White Oak	Sawtimber Medium	28.4	104	51-80	N/A	A shelterwood was done winter 2014. Nice white pine understory in spots.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	58	Log	15	104	Witch Hazel	Low	< 5 feet	Tall Shrub
White Pine	10	Log	16		Red Maple	Medium	10 - 20 feet	Sapling
Red Pine	2	Log	15		White Pine	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	10	Log	10					
White Oak	20	Log	12					

33	310 - Herbaceous Openland	Nonstocked	5.5		Immature	No	Oil & gas infrastructure. Enbridge line 5.
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34	4131 - Aspen, Oak	Sapling Well	17.6	10	Immature	N/A	Treated winter 2013. Well stocked.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling	1	10	Red Maple	High	5 - 10 feet	Sapling
Red Oak	15	Log	14	95	White Pine	Low	Variable	Sapling
Quaking Aspen	30	Sapling	2	10	Black Cherry	Medium	5 - 10 feet	Sapling
White Oak	15	Log	14	104				
Bigtooth Aspen	25	Sapling	2	10				

35	4124 - Red with White Oak	Sawtimber Medium	34.3	104	51-80	N/A	Shelterwood was done winter 2014.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Log	10		Red Maple	High	10 - 20 feet	Sapling
Red Oak	56	Log	14	104	White Pine	Low	Variable	Sapling
White Oak	25	Pole/Log	9		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Pine	2	Log	13					
White Pine	12	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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36	4131 - Aspen, Oak	Sapling Well	31.3	28	1-50	N/A	Large white pines around the wet spots, which must have been retention pockets.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	XLog	18		Black Cherry	Medium	5 - 10 feet	Sapling
Red Oak	4	Log	10		Serviceberry (Juneberry)	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	15	Pole/Sapling	5		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Quaking Aspen	35	Sapling/Pole	4	28	Red Maple	Low	5 - 10 feet	Sapling
White Oak	3	Pole	5					
Quaking Aspen	1	Log	12					
Bigtooth Aspen	25	Sapling/Pole	4	28				
Red Maple	10	Sapling	4					
Black Cherry	5	Sapling/Pole	4					

37	4130 - Aspen	Sapling Well	23.3	10	Immature	N/A	Stand 192 was left out of the harvest.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	10	Log/Pole	10		Red Maple	Low	10 - 20 feet	Sapling
White Pine	10	Log/Pole	10		Black Cherry	Medium	< 5 feet	Sapling
Red Pine	1	Log	14		Black/Red (Hybrid) Oak	Medium	Variable	Sapling
Red Maple	10	Sapling	2	10	White Pine	Medium	Variable	Sapling
White Oak	2	Log/Pole	10					
Bigtooth Aspen	15	Sapling	2	10				
Quaking Aspen	52	Sapling	2	10				

38	4130 - Aspen	Sawtimber Well	39.6	53	111-140	N/A	Stand has some high-quality red oak and decent black cherry.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	2	Pole	5		Red Maple	High	>20 feet	Sapling
Paper Birch	1	Pole	6		White Pine	Low	Variable	Sapling
Bigtooth Aspen	62	Log/Pole	10	53	Black Cherry	Low	>20 feet	Sapling
White Pine	5	Pole	8					
Quaking Aspen	11	Log/Pole	10	53				
Red Maple	9	Pole	7					
Red Oak	5	Pole	6					
Black Cherry	5	Pole	8					

39	4130 - Aspen	Sawtimber Well	11.3	43	111-140	N/A	High quality big tooth aspen stand with high quality Red oak mixed in. Best to leave until log sized.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	87	Log/Pole	10	43	Red Maple	High	10 - 20 feet	Sapling
Red Maple	10	Pole/Log	8					
Red Oak	2	Pole	8					
Black Cherry	1	Pole/Log	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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40 4130 - Aspen Poletimber Well 39.9 43 81-110 N/A Lower quality with more oak to the NE. Better quality Aspen and red oak to the west. Supercanopy white and red pine occasional.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	5		Red Maple	Medium	10 - 20 feet	Sapling
Black Cherry	5	Pole	5					
Red Oak	5	Pole	5					
Bigtooth Aspen	80	Pole	7	43				

41 4125 - Black, N. Pin Oak Poletimber Well 24.3 46 51-80 N/A Lower quality oak/aspen stand with occasional supercanopy white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole	8		White Pine	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	61	Pole	6	46	Red Maple	Low	5 - 10 feet	Sapling
White Pine	4	Log/Pole	10		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Jack Pine	3	Pole	6		Pin Cherry	Medium	5 - 10 feet	Sapling
White Oak	2	Pole	6					
Pin Cherry	20	Sapling/Pole	3					

42 4123 - Red Oak Sawtimber Well 19.7 104 111-140 N/A The red oak here is good quality. understory is being taken over by red maple, which is also dominating an equally aged cohort of white pine, which is in sad shape.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	1	Sapling/Pole	4		White Pine	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	4	Pole	6		Witch Hazel	Trace	5 - 10 feet	Tall Shrub
White Oak	5	Log/Pole	10		Red Maple	High	10 - 20 feet	Sapling
Red Oak	90	Log	13	104				

43 4130 - Aspen Poletimber Well 53.7 30 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Sapling	3		Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
White Pine	1	Pole	8		White Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	5	Sapling/Pole	3		Black Cherry	Medium	10 - 20 feet	Sapling
Red Maple	15	Sapling/Pole	4					
Bigtooth Aspen	39	Sapling/Pole	3	30				
Quaking Aspen	35	Sapling/Pole	3	30				

44 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 21.1 117 81-110 N/A White pine/oak dominated stand mixed in with old decadent aspen. Red maple and white pine understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Log	9		White Pine	Medium	10 - 20 feet	Sapling
Red Oak	30	Log	15	117	Red Maple	Medium	Variable	Sapling
White Oak	18	Log	12					
Black Cherry	5	Pole	8					
Bigtooth Aspen	10	Log	12					
White Pine	22	Log/XLog	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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45	4199 - Other Mixed Upland Deciduous	Poletimber Well	27.6	30	1-50	N/A	More white oak in this stand than many of the other oak stands around. There is a black spruce/white pine/tamarack swamp on the west end of this stand.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	10	Sapling	4	
White Pine	10	Log	14	
Black/Red (Hybrid) Oak	40	Pole	5	30
Pin Cherry	5	Pole/Sapling	5	
Quaking Aspen	35	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	Sapling
Pin Cherry	Low	< 5 feet	Sapling
White Oak	Low	5 - 10 feet	Sapling
Red Maple	Low	Variable	Sapling

46	4130 - Aspen	Sapling Well	15.2	9	Immature	N/A	Stand final harvested January 2015 sale # 74-034-11-01. Scattered log red & white pine left. Stand in coming back to aspen. Oak will eventually be restricted to the sub-canopy.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	33	Sapling	2	9
Bigtooth Aspen	45	Sapling	2	9
Black/Red (Hybrid) Oak	5	Sapling	1	9
Red Maple	15	Sapling	1	9
White Oak	2	Sapling	1	9

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	Low	5 - 10 feet	Sapling

47	4130 - Aspen	Poletimber Well	36.2	38	51-80	N/A	Decent size oaks 14"+ on the east side. Heavier to white pine on the west side.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Log	12	
Red Maple	5	Pole	6	
Red Oak	5	Pole	7	
Bigtooth Aspen	85	Pole	8	38

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	Sapling

48	4123 - Red Oak	Sawtimber Well	15.4	109	81-110	N/A	Stand was crown thinned fall 2014 under sale #71-028-12-01.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	12	Log	14	
Red Maple	7	Log/Pole	10	
Red Oak	81	Log	16	109

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Medium	< 5 feet	Sapling
Red Maple	High	Variable	Sapling
White Pine	Low	Variable	Sapling

49	4131 - Aspen, Oak	Sapling Well	10.0	21	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	50	Sapling	3	21
Black/Red (Hybrid) Oak	30	Sapling	3	
Black Cherry	20	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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50	4130 - Aspen	Sapling Well	12.1	9	Immature	N/A	Scattered white oak and pine left from last harvest. Final harvest in January 2015 under sale # 71-034-11-01.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	1	
Quaking Aspen	12	Sapling	1	9
White Oak	5	Sapling	1	
Bigtooth Aspen	60	Sapling	1	9
White Pine	3	Log/Pole	10	
Black/Red (Hybrid) Oak	10	Sapling	1	

51	4123 - Red Oak	Sawtimber Well	11.4	104	51-80	N/A	Stand was treated in Fall 2014. White pine and red maple developing nicely in the understory.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	7	Pole	8	
Red Oak	80	Log	15	104
White Oak	13	Log	17	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Sapling
Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen	Trace	5 - 10 feet	Sapling
Red Maple	High	Variable	Sapling

52	4139 - Aspen, Mixed Deciduous	Sapling Medium	18.6	20	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3	Log	10	
Black Cherry	5	Sapling	3	
White Oak	2	Sapling	4	
Bigtooth Aspen	25	Sapling	3	
Black/Red (Hybrid) Oak	15	Sapling	3	20
Red Maple	25	Sapling	3	20
Quaking Aspen	25	Sapling	4	20

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

53	42250 - Pine, Oak	Sawtimber Well	3.8	113	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
Black/Red (Hybrid) Oak	8	Log	12	
White Pine	59	Log/Pole/XLog	14	113
Red Oak	20	Log	15	
Red Pine	1	XLog	18	
White Oak	7	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	5 - 10 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling
White Pine	Medium	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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54 42260 - Natural Pine, Mixed Deciduous Sawtimber Well 13.9 113 51-80 N/A Stand is dominated by white pine with pockets of pole size aspen, red maple, and oak spread throughout.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	2	Pole	6		Red Maple	High	10 - 20 feet	Sapling
Red Pine	20	Log/XLog	14					
Quaking Aspen	15	Pole	8					
Black Cherry	3	Pole	6					
Red Maple	10	Pole	5					
White Pine	49	Log/XLog	15	113				
Paper Birch	1	Pole	7					

55 4131 - Aspen, Oak Poletimber Well 21.2 48 1-50 N/A Aspen is almost 50 but is doing ok. The NW side of this stand is much heavier to oak. The stand is scattered with pole and log size white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	6		White Oak	Low	5 - 10 feet	Sapling
White Oak	5	Pole	5	52	White Pine	Low	Variable	Sapling
Quaking Aspen	47	Pole	6	48	Red Maple	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	30	Pole	5	52				
White Pine	3	Log	12					
Pin Cherry	5	Pole	5					

56 629 - Mixed non-forested wetland Nonstocked 5.6 No

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	Variable	Pole
Tamarack	Low	Variable	Pole

57 4199 - Other Mixed Upland Deciduous Sawtimber Well 32.7 108 81-110 N/A Clump of red pine along bog and Lentz Road. Lower quality red oak.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	5	Log	14		Red Maple	High	>20 feet	Sapling
Black Cherry	2	Pole/Log	8		Balsam Fir	Low	Variable	Sapling
Paper Birch	1	Pole	7		White Pine	High	Variable	Sapling
Red Oak	47	Log	14	108				
Red Maple	10	Pole/Log	9					
Northern White Cedar	1	Pole	7					
White Oak	7	Log/XLog	16					
White Pine	10	Log/Pole/XLog	16					
Bigtooth Aspen	17	Pole/Log	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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58 4130 - Aspen Poletimber Well 20.1 30 1-50 N/A low/wet spot goes through the center to the north.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	37	Pole	6	30	White Pine	Low	Variable	Sapling
Black Cherry	2	Pole	6		Red Oak	Low	Variable	Sapling
Red Maple	20	Pole	5		Red Maple	Medium	Variable	Sapling
Red Oak	2	Pole	6					
White Pine	10	Pole	7					
Quaking Aspen	25	Pole	6					
White Oak	3	Sapling	1					
Paper Birch	1	Pole	6					

59 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 23.9 110 81-110 N/A Was treated in the Fall 2014 under sale # 71-028-12-01

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	18	Log	14	110	Autumn Olive	Low	5 - 10 feet	Tall Shrub
White Pine	19	XLog	20		Northern White Cedar	Low	>20 feet	Pole
Black Cherry	5	Pole	7		Red Maple	Medium	5 - 10 feet	Sapling
Red Oak	37	XLog	19	110	Red Oak	Low	< 5 feet	Sapling
Red Pine	10	Log	14		Ironwood	Low	10 - 20 feet	Sapling
Hemlock	5	Log/Pole	10		White Pine	Low	5 - 10 feet	Sapling
Sugar Maple	5	Log/Pole	12		Beech	Low	10 - 20 feet	Sapling
White Oak	1	Log	14					

60 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 7.8 65 1-50 N/A Was a managed opening at one time. Now filling in with white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	31	Pole	9		Black Cherry	Low	10 - 20 feet	Sapling
White Pine	32	XLog	18	65	White Pine	Medium	5 - 10 feet	Sapling
Red Maple	15	Pole	8		Black/Red (Hybrid) Oak	High	< 5 feet	Sapling
White Oak	5	Log	12					
Black Cherry	17	Pole	9					

61 42110 - Planted Red Pine Sawtimber Well 11.8 67 111-140 N/A Thinned from below in late winter/early spring 2013. Heavy red maple and white pine understory in spots.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	10	XLog	18		Pin Cherry	Low	< 5 feet	Sapling
Red Pine	85	Log/Pole	10	67	White Pine	Low	5 - 10 feet	Sapling
White Oak	5	XLog	18		Ash (spp.)	Trace	5 - 10 feet	Sapling
					Red Maple	Medium	10 - 20 feet	Sapling

62 310 - Herbaceous Openland Nonstocked 4.9 Immature Managed Opening



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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63 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 6.0 104 1-50 N/A

Old notes say split from stand 63 for an aspen management objective. Stand was treated in the Fall 2014 under sale # 71-028-12-01. coming back to white pine and aspen. lots of oak poles left. Has at least 3 ages with the biggest oaks cored at 104 years, poles at 68, and the young aspen/ pine at 10 yrs as of 2/6/24.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	45	Pole/Log	9	104
Red Maple	5	Pole/Log	9	
Bigtooth Aspen	10	Sapling	1	
White Pine	40	Log/Pole/Sap	12	74

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
White Pine	Medium	5 - 10 feet	Sapling
Pin Cherry	Low	5 - 10 feet	Sapling
Ash (spp.)	Low	Variable	Sapling

64 4130 - Aspen Sawtimber Well 41.0 47 81-110 N/A

Small pockets of overmature aspen and oak scattered within, with other areas having more poles than logs. Old notes say there is black ash along east edge.

Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	1	Pole	5	
Black Cherry	1	Log	14	
Red Maple	4	Pole	9	
Quaking Aspen	10	Pole	9	
Red Oak	19	Log	15	
Balsam Fir	1	Pole	5	
Bigtooth Aspen	59	Log/Pole	11	47
White Pine	2	Log	16	
Paper Birch	3	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Red Maple	High	>20 feet	Sapling

65 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 100.8 95 81-110 N/A

Old aspen pockets are falling apart. Highly variable. Open bog in spots. Large white pine throughout.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole/Log	9	
Beech	1	Log	10	
Bigtooth Aspen	10	Log	16	107
Balsam Fir	18	Pole	8	
Northern White Cedar	20	Pole	9	95
White Pine	15	XLog	24	
Red Oak	2	XLog	18	
Sugar Maple	1	Log	14	
Red Maple	10	Log	10	
Red Pine	3	Log	17	
White Ash	5	Log	10	
Hemlock	10	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Black Ash	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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66	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	18.7	113	111-140	N/A	Mixed red pine and white pine with aspen and red maple that was cut in the 60's.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	20	XLog	18	
White Pine	47	XLog	20	113
Red Maple	5	Pole	5	53
Bigtooth Aspen	20	Pole	6	70
Red Oak	3	Pole/Log	9	
Black Cherry	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling

67	4199 - Other Mixed Upland Deciduous	Sawtimber Well	27.2	109	111-140	N/A	Pockets of hummocky ground with heavy white ash component that is now dead and fallen over. Occasional supercanopy red and white pine. Aspen is on the west side.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	55	XLog	20	109
White Oak	3	Log	14	
Paper Birch	1	Pole	6	55
Bigtooth Aspen	24	Pole	9	60
Sugar Maple	1	Log	10	
White Pine	10	XLog	20	
Basswood	3	Log	15	
White Ash	1	Pole	5	
Balsam Fir	2	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	10 - 20 feet	Sapling
Red Maple	High	>20 feet	Sapling
Ironwood	Medium	10 - 20 feet	Sapling
Serviceberry (Juneberry)	Trace	5 - 10 feet	Sapling
White Pine	Low	Variable	Sapling
Witch Hazel	Low	5 - 10 feet	Tall Shrub
Balsam Fir	Low	10 - 20 feet	Sapling

68	629 - Mixed non-forested wetland	Nonstocked	5.1			No	Perimeter of pole fir and maple both types.
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69	4130 - Aspen	Poletimber Well	11.0	53	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole	8	
Quaking Aspen	40	Pole/Log	9	53
Bigtooth Aspen	30	Pole/Log	9	53
Beech	1	Log	14	
Paper Birch	5	Pole	6	
Sugar Maple	4	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	10 - 20 feet	Sapling
Balsam Fir	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling
Beech	Low	< 5 feet	Sapling

70	629 - Mixed non-forested wetland	Nonstocked	5.5			No	Old beaver pond. Drains to the NE.
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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71 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 14.6 45 51-80 N/A There is a pocket of larger aspen that must have been premerchantable last harvest. Also a component of larger red oak near the swamp to the east.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	Log/Pole	10		Red Maple	High	10 - 20 feet	Sapling
White Pine	40	Log/Pole	10	45	Serviceberry (Juneberry)	Trace	10 - 20 feet	Sapling
Bigtooth Aspen	35	Pole	8	41	Balsam Fir	Trace	10 - 20 feet	Sapling
Red Maple	15	Pole	6					

72 4139 - Aspen, Mixed Deciduous Poletimber Well 18.1 48 81-110 N/A Stand is highly variable in tree diameter. It looks as if a few older trees were left after last harvest. Should wait to cut as there are a lot of small poles still. 2/7/24. South end has more white pine and oak.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	2	Pole	8		Balsam Fir	Trace	10 - 20 feet	Sapling
White Pine	2	Pole	9		Red Maple	High	Variable	Sapling
Red Maple	43	Pole	7	48				
Black/Red (Hybrid) Oak	2	Pole	6					
Black Cherry	3	Pole	6					
Bigtooth Aspen	5	XLog	18	95				
Bigtooth Aspen	43	Pole	8	48				

73 4131 - Aspen, Oak Poletimber Well 56.7 56 81-110 N/A Contains some mature northern red oak that wasn't cut last time and some small birch poles along lower drainage areas.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	61	Pole/Log	9	56	Ash (spp.)	Low	>20 feet	Sapling
Paper Birch	1	Pole	6		Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Oak	5	XLog	18	111	Red Maple	Medium	>20 feet	Sapling
Red Pine	1	Log/XLog	16					
White Pine	2	XLog	18					
Red Oak	30	XLog	20	111				

74 4123 - Red Oak Sawtimber Poor 39.3 112 1-50 N/A Final harvested in Fall 2014 under sale # 71-034-11-01. Stocking of oak decreases from west to east. White pine seedlings did best on the west, red maple sprouted best in the middle, and aspen is flourishing in the east where almost no oak was left.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	100	XLog	20	112	Bigtooth Aspen	High	10 - 20 feet	Sapling
					Red Maple	Medium	10 - 20 feet	Sapling
					Quaking Aspen	High	10 - 20 feet	Sapling
					White Pine	Low	5 - 10 feet	Sapling

75 4130 - Aspen Sapling Well 26.0 10 Immature N/A Stand was Final harvested in Fall 2014 under sale # 71-034-11-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	40	Sapling	2	10	Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
Quaking Aspen	60	Sapling	2	10				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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76 6119 - Mixed Lowland Deciduous Forest Poletimber Well 17.2 63 81-110 N/A

Diverse stand overall. A few remnant large red oaks. Some decent white oak on the upland to the north.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	7	63	Beech	Low	< 5 feet	Sapling
Red Oak	2	Pole	9	63	White Pine	Low	Variable	Sapling
Bigtooth Aspen	5	Log	10		Hemlock	Trace	>20 feet	Pole
Balsam Fir	3	Pole	7		Balsam Fir	Medium	Variable	Sapling
White Pine	4	Log/Pole/XLog	12		Northern White Cedar	Low	>20 feet	Log
Red Pine	2	Log/XLog	16		Red Maple	High	>20 feet	Sapling
American Elm	2	Pole/Log	9					
Quaking Aspen	12	Pole	9	63				
Red Maple	53	Pole	9	63				
Yellow Birch	1	Pole	9	63				
Red Oak	5	XLog	18	113				
White Oak	1	Log	10	63				

77 4311 - Pine, Aspen Mix Poletimber Well 11.1 104 111-140 N/A

Could do a white/red pine seed tree? keep white oak. North side of trail is young and should be left out.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	5		White Pine	Medium	Variable	Sapling
White Pine	50	XLog	18	104	Balsam Fir	Low	Variable	Sapling
Bigtooth Aspen	40	Pole	6	60	Red Maple	Low	>20 feet	Sapling
Red Oak	5	Pole	5					

78 4319 - Mixed Upland Forest Sawtimber Medium 6.6 43 1-50 N/A

Bushy white pine. May have been planted white pine with the stand to the east. Probably a failed portion of the plantation. Functioning as a natural stand with multiple cohorts.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole	6		White Ash	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	18	Pole	9		White Pine	Medium	5 - 10 feet	Sapling
Black Cherry	30	Log	12		Hawthorn (spp.)	Low	< 5 feet	Tall Shrub
White Pine	50	Pole/Log	9	43				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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79 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 5.3 90 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Ash	5	Log	11	
Beech	10	Pole	9	
Red Oak	18	Log	14	
Paper Birch	2	Pole/Log	9	
Sugar Maple	7	Pole/Log	9	
White Pine	15	Log/Pole	10	
Red Maple	10	Pole/Log	9	
Red Pine	7	Log	14	
Basswood	20	XLog	18	90
American Elm	1	Pole/Log	8	
Black/Red (Hybrid) Oak	5	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	< 5 feet	Sapling
Ironwood	Medium	5 - 10 feet	Sapling
Sugar Maple	Low	>20 feet	Pole

80 42200 - Natural White Pine Sawtimber Medium 7.2 43 1-50 N/A

Looks like an old home site. Contains some old, open grown black walnut which have seeded some decent timber form trees.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	84	Log/Pole/Sap	12	43
Black Walnut	5	Log	17	
Black Cherry	5	Pole	9	
Basswood	4	Pole	7	
Black/Red (Hybrid) Oak	2	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Ash (spp.)	Medium	< 5 feet	Sapling
Autumn Olive	Medium	5 - 10 feet	Tall Shrub
White Pine	Low	5 - 10 feet	Sapling
Balsam Fir	Trace	10 - 20 feet	Sapling
Quaking Aspen	Low	10 - 20 feet	Sapling
Black Cherry	Low	10 - 20 feet	Sapling

81 42110 - Planted Red Pine Sawtimber Well 9.4 70 111-140 N/A

Thinned from below in late winter/early spring 2013. Mortality pocket on the NE side.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	96	Log	11	70
White Pine	1	Log	14	
Quaking Aspen	1	Pole	9	
Red Maple	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Autumn Olive	Low	5 - 10 feet	Tall Shrub
Elm (Spp.)	Trace	>20 feet	Sapling
Pin Cherry	Medium	5 - 10 feet	Sapling
White Pine	Medium	Variable	Sapling
Sugar Maple	Low	10 - 20 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling
Ash (spp.)	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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82 4130 - Aspen Poletimber Well 7.6 39 51-80 N/A Trace of sugar maple present in the understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	6		Sugar Maple	Low	< 5 feet	Sapling
Quaking Aspen	15	Pole	6		White Pine	Low	Variable	Sapling
Red Maple	1	Pole	5		Black Cherry	High	10 - 20 feet	Sapling
Bigtooth Aspen	79	Pole	7	39	Red Maple	Low	>20 feet	Sapling
					Balsam Fir	Low	Variable	Sapling
					White Ash	Low	< 5 feet	Sapling

83 6112 - Lowland Aspen Poletimber Medium 8.7 72 51-80 N/A Partially upland with white pine and aspen and partially lowland tag alder, mixed conifers. Ash is dead and dying. A few of the saplings made it through. A few large aspen on the NE side which could be taken if stand 82 is harvested.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Pole	6		Ash (spp.)	Low	< 5 feet	Sapling
American Elm	5	Pole	6		Balsam Fir	Low	Variable	Sapling
Red Maple	30	Pole/Log	8	70	White Pine	Medium	Variable	Sapling
Paper Birch	5	Pole	7		Tag Alder	High	10 - 20 feet	Tall Shrub
Black Ash	15	Pole	5					
Bigtooth Aspen	10	Log	15					
Quaking Aspen	30	Pole	8	72				

84 42110 - Planted Red Pine Sawtimber Well 11.7 70 111-140 N/A Thinned from below 2013. Current BA is about 120 2/7/24

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	100	Log	12	70	Black Cherry	Trace	>20 feet	Pole
					Balsam Fir	Low	5 - 10 feet	Sapling
					White Pine	Low	< 5 feet	Sapling

85 629 - Mixed non-forested wetland Nonstocked 12.5 Immature No Old beaver pond.

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	High	Unspecified	Non-Wood
Balsam Fir	Low	10 - 20 feet	Sapling
Tag Alder	Medium	5 - 10 feet	Tall Shrub

86 4130 - Aspen Poletimber Well 3.8 60 81-110 N/A Nice hardwoods on PVT to the east.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	7	60	Beech	Low	>20 feet	Pole
Paper Birch	1	Pole	6	60	Balsam Fir	Low	Variable	Sapling
Balsam Fir	5	Pole	6	60	Sugar Maple	Low	>20 feet	Sapling
White Pine	2	Log	10	60	Red Maple	Full	>20 feet	Sapling
Bigtooth Aspen	82	Pole	8	60				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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87 629 - Mixed non-forested wetland Nonstocked 6.7 Immature No Fir and red maple on the perimeter.

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Red Maple	Low	>20 feet	Pole

88 4123 - Red Oak Sawtimber Well 14.1 113 111-140 N/A There used to be a decent ash component here. Stand is located on an east facing slope with more sugar maple and paper birch lower on the slope. Aspen and paper birch are in decline, which should favor maple in the long run.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log/Pole	10		Red Maple	High	10 - 20 feet	Sapling
Red Pine	2	Log	16		Beech	Low	< 5 feet	Sapling
Bigtooth Aspen	10	Log	14	113	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Paper Birch	5	Pole/Log	9		Beech	Low	>20 feet	Pole
Basswood	3	Log	16		Balsam Fir	Low	Variable	Sapling
Red Oak	60	Log	12	113	Sugar Maple	Low	>20 feet	Sapling
Sugar Maple	10	Log/Pole	10	83				

89 4139 - Aspen, Mixed Deciduous Sawtimber Well 14.2 61 111-140 N/A Hummocky stand that has a drain from the hdwds to west. Aspen is falling apart. Quaking on the lower slope. Heavy dead/down, two-aged with good structure developing. Let convert. lots of dead ash.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	7	Pole	8		White Ash	Low	Variable	Sapling
Bigtooth Aspen	35	Log	12	61	Red Maple	Medium	Variable	Sapling
Basswood	5	Log	16		Balsam Fir	High	>20 feet	Sapling
Quaking Aspen	10	Log	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Oak	7	Log/XLog	16	113				
Paper Birch	7	Pole	9					
Balsam Fir	5	Pole	7					
Red Maple	20	Log/Pole	10					
Red Pine	1	XLog	18					
Sugar Maple	2	Log	12					
White Pine	1	XLog	20					

90 4311 - Pine, Aspen Mix Sawtimber Well 11.6 110 111-140 N/A Two-aged natural pine with younger aspen/red maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	39	XLog	20	110	White Pine	Low	>20 feet	Sapling
Red Pine	10	XLog	18	110	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Oak	20	Log	16	110	Serviceberry (Juneberry)	Trace	10 - 20 feet	Sapling
Bigtooth Aspen	25	Pole	8	60	Red Maple	Full	10 - 20 feet	Sapling
Paper Birch	2	Pole/Log	8					
Red Maple	4	Pole	7	60				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
91	4130 - Aspen	Poletimber Well	3.8	50	81-110	N/A	A few large remnant red oak which did seed some good younger red oak that came up in the same cohort as the aspen.																																																							
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92	629 - Mixed non-forested wetland	Nonstocked	1.5			No																																																								
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93	42110 - Planted Red Pine	Sawtimber Well	14.0	70	111-140	N/A	Thinned from below in late winter/early spring 2013. BA around 140. White pine understory is patchy but dense where it is.																																																							
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94	42100 - Planted White Pine	Sawtimber Well	12.0	70	81-110	N/A	White pine plantation that was planted with the red pine to the north. Site transitions to wetter ground to the south with more deciduous spp., Thinned with surrounding RP stand in late winter, early spring 2013.																																																							
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95	310 - Herbaceous Openland	Nonstocked	2.5		Immature	No	Filling in with white pine on the perimeter.																																																							
96	42110 - Planted Red Pine	Sawtimber Well	3.2	70	171-200	N/A	2014: Thin from below Treatment may not be able to go pvt line. They couldn't cross a small drain last time.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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97 629 - Mixed non-forested wetland Nonstocked 40.0 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	Pole
Paper Birch	Low	>20 feet	Pole
White Pine	Low	>20 feet	Log
White Pine	Low	>20 feet	Pole
Tag Alder	Medium	10 - 20 feet	Tall Shrub

98 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 37.9 115 81-110 N/A

Mixed ages of bigtooth aspen 60-80 yrs, red oak. Several seeps and hilly terrain. Heavy red maple and some white pine in understory. Conifers increase to the west. A couple scattered beech.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	7	Log	16	
Red Maple	20	Log/Pole	10	
Red Oak	35	XLog	18	115
Bigtooth Aspen	20	Log/Pole	10	60
White Pine	15	XLog	18	
Paper Birch	3	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Trace	>20 feet	Pole
Red Maple	High	10 - 20 feet	Sapling
White Pine	Medium	5 - 10 feet	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling
Witch Hazel	Medium	5 - 10 feet	Tall Shrub

99 4199 - Other Mixed Upland Deciduous Sawtimber Well 15.3 75 51-80 N/A

Small hardwood stand on the north slope transitioning into the wetland.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Pole	9	
Bigtooth Aspen	31	Log	14	75
White Oak	1	Pole	9	
White Pine	5	Log	14	
White Ash	1	Pole	7	
Red Maple	2	Log	10	
Red Oak	30	Log	16	117
Black/Red (Hybrid) Oak	20	Log	13	75

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	Sapling
White Pine	Low	10 - 20 feet	Sapling
Serviceberry (Juneberry)	Trace	5 - 10 feet	Sapling
Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black Cherry	Trace	10 - 20 feet	Sapling

100 6120 - Lowland Cedar Sawtimber Well 33.8 103 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	54	Log	10	103
White Pine	10	XLog	20	
Hemlock	5	Log	12	
Red Maple	20	Pole/Log	9	
Paper Birch	5	Pole/Log	9	
Red Oak	5	Log	16	
Red Pine	1	Log	16	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	>20 feet	Sapling
American Crab Tree	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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101 4199 - Other Mixed Upland Deciduous Poletimber Well 7.2 46 81-110 N/A This stand has come back very well to good red oak. There is a nice pocket of paper birch in the center.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Pole	9		White Oak	Low	5 - 10 feet	Sapling
Red Maple	10	Pole	6		White Pine	Low	Variable	Sapling
Paper Birch	10	Pole	7		Red Maple	High	>20 feet	Sapling
Black Cherry	1	Pole	6					
Bigtooth Aspen	34	Pole	9	46				
Red Oak	35	Pole/Log	9	46				

102 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 7.5 46 51-80 N/A Quaking Aspen is on the west side. Bigtooth to the east.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	25	Log/Pole	10	46	White Pine	Low	Variable	Sapling
Red Pine	2	XLog	18		White Oak	Low	5 - 10 feet	Sapling
Black Cherry	10	Pole	6		Red Oak	Low	10 - 20 feet	Sapling
Red Maple	21	Pole	7	46	Black Cherry	Medium	10 - 20 feet	Sapling
Red Oak	2	Pole	7					
Bigtooth Aspen	15	Pole	8					
Black/Red (Hybrid) Oak	20	Pole	7					
Quaking Aspen	5	Pole	6					

103 42210 - Natural Red Pine Sawtimber Well 4.5 80 141-170 N/A Would be a good stand to cut along with 105 next entry. Maybe do a Thin from above.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	5		Serviceberry (Juneberry)	Trace	5 - 10 feet	Sapling
White Pine	7	XLog	18		White Pine	Low	10 - 20 feet	Sapling
Red Pine	85	Log	16	80	Red Oak	Low	>20 feet	Sapling
Red Oak	1	Pole	6		Red Maple	High	>20 feet	Sapling
Bigtooth Aspen	2	Pole	9					

104 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 6.4 46 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	35	Pole	9	46	White Oak	Low	< 5 feet	Sapling
Red Oak	5	Pole	9		Black Cherry	Medium	10 - 20 feet	Sapling
White Pine	30	Log/Pole	10	46				
Red Maple	30	Pole	6	46				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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105 4130 - Aspen Sawtimber Well 12.7 46 111-140 N/A Has some nice red oaks in spots.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	14	Pole	7		Red Maple	High	>20 feet	Sapling
Bigtooth Aspen	80	Log	10	46	White Pine	Low	Variable	Sapling
Black Cherry	3	Pole	9		Black Cherry	Low	>20 feet	Sapling
Red Oak	3	Pole	8					

106 4130 - Aspen Poletimber Well 16.6 60 111-140 N/A NE corner is heavy to larger red oak with a thick white pine understory.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	1	Pole	7		Red Maple	High	>20 feet	Sapling
Red Maple	1	Pole	7		White Pine	Low	Variable	Sapling
Red Oak	13	Log	16		White Oak	Low	Variable	Sapling
White Oak	2	XLog	18					
Bigtooth Aspen	80	Pole	9	60				
Paper Birch	3	Pole	6					

107 4136 - Aspen, Mixed Conifer Poletimber Well 46.2 38 51-80 N/A Hill and valley with hummocks on the lowground and more birch component. Knobs are mostly bigtooth aspen. Some white pine left in last cut.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	8	Pole	8	38	White Oak	Low	10 - 20 feet	Sapling
Paper Birch	12	Pole	5	38	Tag Alder	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	22	Pole	6	38	Red Maple	High	10 - 20 feet	Sapling
Balsam Fir	5	Pole	7	38	Serviceberry (Juneberry)	Low	5 - 10 feet	Sapling
Bigtooth Aspen	30	Pole	6	38	White Pine	Low	10 - 20 feet	Sapling
Red Maple	5	Pole	5	38	Witch Hazel	Low	5 - 10 feet	Tall Shrub
White Pine	18	Log/Pole	11					

108 42110 - Planted Red Pine Poletimber Well 12.6 50 81-110 N/A 3rd row thinned/within row thinned in late winter/early spring 2013.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	3	XLog	20		White Pine	Medium	< 5 feet	Sapling
Black/Red (Hybrid) Oak	1	Pole	8					
Red Pine	96	Pole	9	50				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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109 310 - Herbaceous Openland Nonstocked 11.0 Immature No Old Foundation present. Records indicate there was an old orchard as well, but I didn't see it. Will covert to forested in the next decade.

Sub-Canopy Species	Density	Avg. Height	Size
Sumac	Low	5 - 10 feet	Tall Shrub
Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub
Red Oak	Low	Variable	Pole
White Pine	Medium	Variable	Pole
Common Or Ground Juniper	Trace	5 - 10 feet	Tall Shrub
Autumn Olive	Medium	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	Low	Variable	Sapling
Black Cherry	Low	Variable	Pole
Aspen (spp.)	Low	Variable	Sapling

110 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 16.7 55 81-110 N/A Mixed ages. Old field succession. Pocket of cedar in northeast corner with a lot a dead paper birch.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Pole/Log	8	
White Pine	18	Log	11	55
Bigtooth Aspen	10	Pole	8	
White Oak	4	Log	16	
Red Pine	3	Pole	9	50
Red Maple	15	Pole/Log	8	55
Northern White Cedar	8	Pole	9	
Black/Red (Hybrid) Oak	17	Pole	8	
Black Cherry	15	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	Variable	Sapling
Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub
White Pine	Low	Variable	Sapling
Smooth Sumac	Low	Variable	Tall Shrub

111 4123 - Red Oak Sawtimber Well 19.5 112 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	10	Log	14	
Red Maple	10	Log/Pole	10	
White Pine	10	Log/Pole	12	
Red Pine	1	Log	14	
Bigtooth Aspen	5	Log/Pole	10	
Red Oak	64	Log	12	112

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

112 629 - Mixed non-forested wetland Nonstocked 1.7 No Patches of dead ash.

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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113 4131 - Aspen, Oak Sawtimber Well 20.4 63 81-110 N/A Mix of big oak and aspen. Less oak on the West end.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log	11		Red Maple	Medium	Variable	Sapling
Red Oak	30	XLog	18	108	White Oak	Low	< 5 feet	Sapling
White Oak	12	Log/XLog	17		White Pine	Low	Variable	Sapling
White Pine	1	XLog	20		Witch Hazel	Low	Variable	Tall Shrub
Bigtooth Aspen	47	Pole/Log	8	63				

114 4133 - Aspen, Mixed Pine Poletimber Well 7.0 38 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	50	Pole	8	38	Serviceberry (Juneberry)	Low	5 - 10 feet	Sapling
Red Maple	10	Sapling/Pole	4	38	Red Maple	Medium	Variable	Sapling
Red Oak	5	Log	10		White Pine	Medium	Variable	Sapling
White Pine	35	Log	11		Balsam Fir	Low	5 - 10 feet	Sapling
					White Oak	Low	10 - 20 feet	Sapling
					Witch Hazel	Low	5 - 10 feet	Tall Shrub

115 4130 - Aspen Poletimber Well 22.1 38 51-80 N/A Mix of hills and lowland pockets. Paper birch regenerated well in a few spots.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	4	Pole	6		Witch Hazel	Low	< 5 feet	Tall Shrub
White Ash	1	Pole	6		Beech	Trace	5 - 10 feet	Sapling
Red Maple	3	Sapling	3		Red Maple	High	Variable	Sapling
Bigtooth Aspen	82	Pole	6	38	Balsam Fir	Low	Variable	Sapling
White Pine	2	Log/Pole	10		White Pine	Low	Variable	Sapling
Black Cherry	1	Pole	7		Serviceberry (Juneberry)	Low	5 - 10 feet	Sapling
Balsam Fir	1	Pole	6					
Paper Birch	6	Pole	5					

116 42201 - Natural White Pine, Mixed Deciduous Sawtimber Well 5.3 58 81-110 N/A Natural white pine stand. Aspen and red maple cut with surrounding stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	70	Log	11	58	Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	1	Pole/Sapling	5		Bigtooth Aspen	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	25	Pole	6	38	White Pine	Low	5 - 10 feet	Sapling
Red Maple	3	Pole/Sapling	5	38	White Oak	Trace	5 - 10 feet	Sapling
Red Oak	1	Pole	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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117 629 - Mixed non-forested wetland Nonstocked 12.1 No Phragmites of east end.

Sub-Canopy Species	Density	Avg. Height	Size
Phragmites (exotic)	High	Unspecified	Non-Wood
Cattail spp.	High	Unspecified	Non-Wood
Balsam Fir	High	10 - 20 feet	Pole

118 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 9.1 46 51-80 N/A Older yellow birch and cedar on the SW side. Beaver dam.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Pole/Log	8	46
Paper Birch	10	Pole/Log	8	
Balsam Fir	22	Pole	6	
Bigtooth Aspen	20	Pole	9	46
Yellow Birch	2	Log	16	116
Black Cherry	1	Pole	6	
Northern White Cedar	10	Pole	9	116

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Red Maple	Medium	Variable	Sapling

119 4136 - Aspen, Mixed Conifer Poletimber Well 15.8 38 51-80 N/A Transitions to swamp conifer on pvt directly to the south of a ridge that runs west to east. There are a few white spruce.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	4	Pole	7	
Red Oak	1	Pole	8	
Bigtooth Aspen	74	Pole	6	38
Balsam Fir	3	Pole	6	
White Pine	17	Log	11	
Willow spp.	1	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	5 - 10 feet	Sapling
Red Maple	High	Variable	Sapling
White Pine	Low	5 - 10 feet	Sapling
Balsam Fir	Low	Variable	Sapling
White Oak	Low	5 - 10 feet	Sapling

120 500 - Water Nonstocked 1.2 Immature No It's a pond but not a beaver pond.

121 4199 - Other Mixed Upland Deciduous Sapling Well 26.3 32 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Pin Cherry	2	Sapling/Pole	4	32
Jack Pine	10	Sapling/Pole	4	32
Black/Red (Hybrid) Oak	58	Sapling/Pole	4	32
Quaking Aspen	30	Pole/Sapling	5	32

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling

122 42121 - Planted Jack Pine, Mixed Deciduous Sapling Well 25.0 32 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	30	Pole/Sapling	5	32
Jack Pine	69	Sapling/Pole	4	32
Quaking Aspen	1	Sapling	4	32

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Pin Cherry	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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123 4199 - Other Mixed Upland Deciduous Sapling Well 56.2 32 Immature N/A Mix of scrub oak, Cherry, jack pine and aspen.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	15	Sapling	4	32
Pin Cherry	15	Sapling	3	32
Black/Red (Hybrid) Oak	44	Sapling/Pole	4	32
Red Maple	5	Sapling/Pole	4	32
Red Pine	1	Pole	5	
Quaking Aspen	20	Sapling/Pole	4	32

124 6225 - Bog Nonstocked 2.1 No

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	Full	< 5 feet	Tall Shrub

125 4130 - Aspen Poletimber Well 34.4 32 Immature N/A Low quality aspen poletimber.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	10	Pole/Sapling	5	32
Pin Cherry	10	Pole/Sapling	5	32
Black/Red (Hybrid) Oak	15	Sapling/Pole	4	32
Quaking Aspen	65	Pole/Sapling	5	32

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling

126 4191 - Mixed Upland Deciduous with Conifer Sapling Medium 31.9 24 Immature N/A Semi-open Pin cherry, oak, jack pine mix that is sparsly populated. Old regeneration failure that is finally starting to fill in.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	30	Sapling	3	24
Pin Cherry	20	Sapling	3	24
Black/Red (Hybrid) Oak	50	Sapling	4	24

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling

127 4130 - Aspen Poletimber Well 16.4 32 1-50 N/A Entering poletimber size

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Sapling	5	32
Black/Red (Hybrid) Oak	7	Sapling/Pole	4	32
Quaking Aspen	77	Pole	5	32
Pin Cherry	1	Sapling	3	32
Jack Pine	10	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling

128 42121 - Planted Jack Pine, Mixed Deciduous Sapling Well 13.1 32 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	80	Sapling/Pole	4	32
Quaking Aspen	10	Pole/Sapling	5	32
Black/Red (Hybrid) Oak	7	Sapling	3	32
Pin Cherry	3	Sapling	3	32

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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129 4130 - Aspen Sapling Medium 134.2 4 Immature N/A Cut in the spring of 2020. Retention island on the north end has 16" red pine and pole oak and cherry.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	65	Sapling	1	4
Black/Red (Hybrid) Oak	15	Sapling	1	
Pin Cherry	20	Sapling	1	

130 4311 - Pine, Aspen Mix Poletimber Well 45.1 32 1-50 N/A Low quality jack pine and aspen stand. Most low valley areas are dominated by jack pine. Red pine is occasional in the uplands.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	44	Pole/Sapling	5	32	Pin Cherry	Medium	5 - 10 feet	Sapling
Quaking Aspen	35	Pole/Sapling	5	32	White Oak	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	20	Pole/Sapling	5	32	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Red Pine	1	Pole	5					

131 4125 - Black, N. Pin Oak Sawtimber Well 5.6 99 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	9		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	70	Log	13	99	Pin Cherry	Low	10 - 20 feet	Sapling
White Pine	6	Log	14		Red Maple	Medium	10 - 20 feet	Sapling
Red Pine	7	Log	11					
Bigtooth Aspen	5	Log	14					
Jack Pine	7	Log	10					

132 4132 - Aspen, Jack Pine Sapling Well 8.9 32 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	20	Sapling	4	32	Pin Cherry	Low	5 - 10 feet	Sapling
Red Maple	5	Sapling	3	32	Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Quaking Aspen	65	Sapling	3	32	Red Maple	Medium	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	10	Sapling	3	32	Serviceberry (Juneberry)	Trace	5 - 10 feet	Sapling

133 4125 - Black, N. Pin Oak Sawtimber Well 1.6 89 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole/Log	9		Red Maple	Low	10 - 20 feet	Sapling
Jack Pine	5	Log/Pole	10		Pin Cherry	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	70	Log	13	89	Red Pine	Low	5 - 10 feet	Sapling
Red Pine	15	Log	13					

134 4130 - Aspen Sapling Well 13.1 4 Immature N/A Cut in the spring of 2020

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	1	Sapling	1		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	99	Sapling	1	4				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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135 4130 - Aspen Sapling Well 95.2 21 Immature N/A A patchwork of aspen mixed with oak and pines.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	1	Sapling	3		Pin Cherry	Low	5 - 10 feet	Sapling
Red Maple	10	Sapling	2	21	Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	45	Sapling	1	21	Red Maple	Low	5 - 10 feet	Sapling
Red Pine	1	Sapling	3		White Pine	Low	5 - 10 feet	Sapling
Quaking Aspen	28	Sapling	1	21				
Black/Red (Hybrid) Oak	15	Sapling	3	21				

136 4131 - Aspen, Oak Poletimber Well 8.9 47 1-50 N/A Mlx of aspen oak and red maple. Some quaking aspen on northeast end as the hill goes down. Occasional white pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	6	47	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	44	Pole	7	47	Red Maple	Low	10 - 20 feet	Sapling
Quaking Aspen	5	Pole	6		Pin Cherry	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	30	Pole	5	47				
White Oak	1	Pole	5					

137 3102 - Grass Nonstocked 3.9 No Oil well plugged in September 2013. Site has been changed to not "managed oil/gas". State Klacking (ELGE permit 59140) was plugged and abandoned by Pollister Drilling Corp. in 2013. No additional restoration by the company is being pursued - R Merrick

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	40	Sapling	1	21
Northern Pin Oak	10	Sapling	1	21
Red Maple	10	Sapling	1	21
Bigtooth Aspen	40	Sapling	1	21

138 4124 - Red with White Oak Sawtimber Well 18.3 102 81-110 N/A Ridge of nice red mixed with white oak. Aspen, red maple and a few white pine in understory. Thinned two entries ago. Mims plot in the center still contains some mature aspen and red maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	69	Log	14	102	White Pine	Low	Variable	Sapling
Bigtooth Aspen	1	Log	12		Red Maple	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	10	Log	10		Bigtooth Aspen	High	5 - 10 feet	Sapling
White Oak	20	Log	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub
					Maple Leaved Viburnum	Low	< 5 feet	Tall Shrub

139 4125 - Black, N. Pin Oak Sapling Well 47.4 4 Immature N/A Stand is stocked very well with oak stump sprouts.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	4	
Black/Red (Hybrid) Oak	95	Sapling	1	4



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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140 4125 - Black, N. Pin Oak Sapling Medium 49.5 14 Immature N/A Harvested spring 2010. 71-036-09-10. Stand is semi-open in spots and is filling in with red pine, cherry, and oak.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	93	Sapling/Pole	4	14
Red Pine	2	XLog	18	93
Pin Cherry	5	Sapling	2	

141 4131 - Aspen, Oak Sapling Well 130.7 22 Immature N/A Stand is a mosaic of oak and quaking aspen patches.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	2	10	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	10	Sapling	3					
Black/Red (Hybrid) Oak	30	Sapling	4	22				
Pin Cherry	3	Sapling	3	22				
Quaking Aspen	47	Sapling	2	22				

142 4130 - Aspen Sapling Well 30.2 14 Immature N/A Harvested spring 2010. 71-036-09-01

Canopy Species	% Cover	Size Class	DBH	Age
Pin Cherry	5	Sapling	2	
Black/Red (Hybrid) Oak	1	Log	14	
Red Maple	8	Sapling	2	
White Oak	1	Log	14	
Quaking Aspen	70	Sapling	2	14
Black/Red (Hybrid) Oak	15	Sapling	2	

143 4125 - Black, N. Pin Oak Sapling Medium 11.2 5 Immature N/A Slowly regenerating mixed deciduous stand with a few scattered whit oaks and conifers left from harvest.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Sapling	1	
Bigtooth Aspen	10	Sapling	1	
Jack Pine	1	Sapling	1	
White Oak	1	Sapling	1	
Black/Red (Hybrid) Oak	61	Sapling	1	5
White Oak	10	Log	12	
Red Pine	15	Log	12	

144 4126 - White, Black, N. Pin Oak Sawtimber Well 7.5 103 51-80 N/A Very old for its size.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	20	Pole/Log	9		Red Pine	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	70	Log/Pole	10	103	Red Maple	Medium	10 - 20 feet	Sapling
Red Maple	10	Pole	5		Witch Hazel	Medium	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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145 31022 - Warm Season Grass Nonstocked 28.2 No Old rose city ORV restoration site.

Sub-Canopy Species	Density	Avg. Height	Size
Sweet Fern	Trace	< 5 feet	Tall Shrub

146 4199 - Other Mixed Upland Deciduous Sapling Medium 99.0 24 1-50 N/A Some areas have excellent oak stump sprout regeneration, other areas are semi-open. Some red maple and pin cherry. Aspen in clones.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	40	Sapling/Pole	4	24
Bigtooth Aspen	5	Sapling/Pole	4	
Red Maple	20	Sapling/Pole	4	
Red Pine	10	Pole	5	
Pin Cherry	10	Sapling/Pole	4	
Jack Pine	5	Sapling/Pole	4	
Quaking Aspen	10	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Medium	< 5 feet	Sapling
Pin Cherry	Medium	< 5 feet	Sapling

147 4125 - Black, N. Pin Oak Sapling Well 8.8 14 1-50 N/A Harvested spring 2010. 71-036-09-01

Canopy Species	% Cover	Size Class	DBH	Age
Pin Cherry	20	Sapling	1	
Red Pine	5	Log	14	92
Black/Red (Hybrid) Oak	69	Sapling/Pole	3	14
White Oak	5	Sapling/Pole	3	
Red Maple	1	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Maple Leaved Viburnum	Trace	5 - 10 feet	Tall Shrub
Red Maple	Low	5 - 10 feet	Sapling

148 4130 - Aspen Sapling Well 21.4 35 1-50 N/A Quaking aspen stand in transition period into pole timber stand. Deer are using this heavily mid Jan 24.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	7	Sapling/Pole	4	35
Pin Cherry	2	Sapling	3	35
Red Pine	1	Sapling/Pole	4	
Red Maple	4	Sapling/Pole	4	35
Quaking Aspen	86	Sapling/Pole	4	35

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Pin Cherry	Medium	5 - 10 feet	Sapling

149 4130 - Aspen Sapling Medium 8.9 3 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	8	Sapling	1	
Bigtooth Aspen	75	Sapling	1	3
Black/Red (Hybrid) Oak	2	Sapling	1	
Quaking Aspen	15	Sapling	1	3



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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150 4131 - Aspen, Oak Sapling Medium 23.6 3 Immature N/A The aspen dominates the lower areas with the oak on the ridge tops.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	40	Sapling	1	3
Red Maple	20	Sapling	1	
Black/Red (Hybrid) Oak	40	Sapling	1	3

151 4130 - Aspen Poletimber Well 15.2 44 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling/Pole	4		Pin Cherry	Low	5 - 10 feet	Sapling
Bigtooth Aspen	82	Pole	5	44	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Red Oak	7	Pole	5		Red Maple	Medium	10 - 20 feet	Sapling
White Oak	1	Pole	5					

152 4125 - Black, N. Pin Oak Sawtimber Well 41.3 107 81-110 N/A Mature low quality oak. Hilly terrain. 2/2/24 deer are using this extremely heavily for acorns.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	69	Log/Pole	12	107	White Oak	Low	10 - 20 feet	Sapling
Red Maple	7	Pole	8		Red Maple	Low	5 - 10 feet	Sapling
Bigtooth Aspen	15	Log	10		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
White Oak	9	Pole/Log	9		Pin Cherry	Medium	5 - 10 feet	Sapling

153 4131 - Aspen, Oak Sapling Poor 26.3 3 Immature N/A Oak and aspen are coming back nicely. scattered log white oak, white pine, and red pine.

Canopy Species	% Cover	Size Class	DBH	Age
Pin Cherry	5	Sapling	1	
Black/Red (Hybrid) Oak	30	Sapling	1	3
Quaking Aspen	45	Sapling	1	3
Red Maple	20	Sapling	1	

154 4199 - Other Mixed Upland Deciduous Sapling Medium 23.0 3 Immature N/A One red pine retention island in the middle. 2/2/24 not free to grow.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	22	Sapling	1	3
Quaking Aspen	38	Sapling	1	3
Red Maple	30	Sapling	1	3
Pin Cherry	10	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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155 4130 - Aspen Poletimber Well 91.7 43 51-80 N/A Better quality red oak in the interior.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	1	Log	14		Pin Cherry	Low	>20 feet	Sapling
Red Pine	1	Log	14		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	5	Pole	6	43	Red Maple	Medium	10 - 20 feet	Sapling
Jack Pine	1	Log	10					
Black/Red (Hybrid) Oak	7	Pole	7	43				
White Oak	2	Pole	6					
Quaking Aspen	25	Pole	8					
Bigtooth Aspen	50	Pole	8	43				
Red Oak	5	Pole	8					
Pin Cherry	3	Pole	6					

156 4130 - Aspen Poletimber Well 111.6 43 51-80 N/A The site index in this stand is variable with 8" aspen in the good spots and 4" in others.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole/Log	9		Red Maple	Medium	10 - 20 feet	Sapling
Pin Cherry	2	Sapling/Pole	4		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	7	Pole	5	43				
Red Oak	7	Pole	6	43				
Bigtooth Aspen	74	Pole	8	43				

157 4130 - Aspen Sapling Well 91.6 22 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	2	Sapling	4	22	Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	30	Sapling	4		White Oak	Low	5 - 10 feet	Sapling
Red Maple	18	Sapling	3	22	Pin Cherry	Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak	15	Sapling	3	22				
Quaking Aspen	35	Sapling	4	22				

158 4199 - Other Mixed Upland Deciduous Sapling Medium 41.5 14 Immature N/A Harvested spring 2010. 71-036-09-01. Stand is heavy to cherry. Some seedling red, jack, and white pine scattered about.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	32	Sapling	1	14
Red Pine	2	Log	15	
Red Pine	1	Sapling	1	
Quaking Aspen	20	Sapling	2	14
Pin Cherry	15	Sapling	2	14
Red Maple	15	Sapling	2	
Jack Pine	5	Sapling	2	14
Black/Red (Hybrid) Oak	6	Log	12	
White Pine	1	XLog	18	
White Oak	3	Log	14	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
159	4125 - Black, N. Pin Oak	Poletimber Well	61.7	35	1-50	N/A	Red pine plantation with heavy oak regeneration and competition. Complete fail in at least half of the stand.																																														
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160	31022 - Warm Season Grass	Nonstocked	1.2		Immature	No	Old homestead site. Old Silo foundation present. Site is grass and a few larger oaks.																																														
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161	4199 - Other Mixed Upland Deciduous	Sapling Well	4.6	3	Immature	N/A	2/2/24 current regeneration is inadequate.																																														
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Pin Cherry	15	Sapling	1																																																		
162	4125 - Black, N. Pin Oak	Sapling Medium	24.5	3	Immature	N/A	Well stocked with oak saplings but not all technically free to grow.																																														
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163	4126 - White, Black, N. Pin Oak	Sawtimber Well	17.1	103	81-110	N/A	Mix of black and white oak with red maple mixed in. Good white oak component. A few decent red oak trees but most others are of poor quality. Heavy red maple understory.																																														
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164	4130 - Aspen	Sapling Well	85.4	22	Immature	N/A	Areas of good aspen regeneration. Patches of red maple and oak stump sprouts. Stand was cut in the spring of 2002 by T.R. timber co.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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165 4130 - Aspen Poletimber Well 43.6 43 81-110 N/A Nice aspen stand. Both big tooth and quaking.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	3	Pole	8	43	Red Maple	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	40	Pole/Log	9	43	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	17	Pole	6	43				
Quaking Aspen	40	Pole	8	43				

166 4130 - Aspen Poletimber Well 20.8 35 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Pole/Sapling	5		Red Maple	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	75	Pole/Sapling	5	35	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	20	Pole/Sapling	5	35				

167 4121 - Oak, Aspen Sawtimber Well 31.6 107 141-170 N/A

High site red oak mixed with bigtooth aspen and red maple. Some areas of lower site along North and west edges.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	1	Log/Pole	10		Maple Leaved Viburnum	Low	< 5 feet	Tall Shrub
Red Maple	9	Pole/Log	8		Red Maple	Medium	5 - 10 feet	Sapling
Red Oak	60	Log/Pole	12	107	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	30	Log/Pole	10	107				

168 4130 - Aspen Poletimber Well 118.7 44 81-110 N/A

A diverse aspen stand with areas of oak and maple. Good site on most of the area. occasional supercanopy red and white pine dot the stand along with paper birch patches in some of the wetter areas. Allow Bigtooth and maple to produce sawtimber before harvesting. Understory includes witch hazel, beech, maple leaf viburnum, red maple, cherry, oak, and hawthorn and autumn olive in areas adjacent to openings or the stand to the west.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	6		Autumn Olive	Low	5 - 10 feet	Tall Shrub
Red Oak	5	Pole	6		Pin Cherry	Low	5 - 10 feet	Sapling
Paper Birch	1	Pole	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	5	Pole	6		Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub
Bigtooth Aspen	54	Pole	6	44	Maple Leaved Viburnum	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	20	Pole	6	44	Beech	Low	10 - 20 feet	Sapling
					Red Maple	Medium	10 - 20 feet	Tall Shrub

169 4123 - Red Oak Sawtimber Well 33.7 117 111-140 N/A

Good quality Red oak stand with slightly lower BA than surrounding stands. Heavier aspen amounts in the northern 1/3 of stand. There was once an ash component to the stand. Occasional large white and red pines.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	25	Log	14		Sugar Maple	Low	10 - 20 feet	Sapling
Red Oak	70	Log	17	117	Red Maple	Low	10 - 20 feet	Sapling
Red Maple	5	Pole/Log	9		Ironwood	Low	10 - 20 feet	Sapling
					Ash (spp.)	Low	10 - 20 feet	Sapling
					Beech	Low	10 - 20 feet	Sapling
					Witch Hazel	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
170	4123 - Red Oak	Sawtimber Well	52.5	105	111-140	N/A	Rolling ridges of quality red oak and bigtooth aspen. Some red maple pole and occasional log timber mixed in. Red mple in understory. Some nice clones of aspen scattered about. Oak and aspen appear to be healthy and in good shape. Stand would convert to aspen in most areas if it was harvested. occasional diverse pockets with birch and mid-story white pine and supercanopy red and white pine.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Bigtooth Aspen		25	Log/Pole	12		Red Maple		Medium	10 - 20 feet	Sapling	
Red Maple		7	Pole/Log	8		Witch Hazel		Low	5 - 10 feet	Tall Shrub	
White Oak		3	Log/Pole	10							
Red Oak		65	Log/Pole	12	105						
171	42110 - Planted Red Pine	Sawtimber Well	6.7	67	111-140	N/A	Stand was thinned 2 entries ago. Some large crowned oaks still in stand. Heavy hardwoods in the understory.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		5	Log	13		Red Maple		High	10 - 20 feet	Sapling	
Red Pine		95	Log/Pole	13	67	Beech		Medium	10 - 20 feet	Sapling	
						Pin Cherry		Medium	5 - 10 feet	Sapling	
						Hawthorn (spp.)		Low	5 - 10 feet	Tall Shrub	
						Autumn Olive		Medium	5 - 10 feet	Tall Shrub	
172	4125 - Black, N. Pin Oak	Poletimber Poor	7.2	52	1-50	N/A	Very open stand with scattered oak, cherry and jack pine. Some autumn olive.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Jack Pine		10	Pole	6		Pin Cherry		Low	5 - 10 feet	Sapling	
Black/Red (Hybrid) Oak		60	Pole	8	52	Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling	
Pin Cherry		30	Pole	7		Autumn Olive		Medium	5 - 10 feet	Tall Shrub	
173	4123 - Red Oak	Sawtimber Well	9.1	104	51-80	N/A	Mixed oak stand with decent quality that was thinned two entries ago. Understory is almost solid red maple and aspen.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Oak		70	Log	15	104	Bigtooth Aspen		High	>20 feet	Sapling	
Black/Red (Hybrid) Oak		15	Log	13		Pin Cherry		Low	5 - 10 feet	Sapling	
White Oak		15	Log/Pole	12		Red Maple		High	10 - 20 feet	Sapling	
						White Pine		Trace	10 - 20 feet	Sapling	
174	4125 - Black, N. Pin Oak	Sawtimber Well	15.8	62	51-80	N/A	This oak stand is in decline. Mixed with variable size white pine and mature jack pine.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		90	Log	14	62	White Pine		Low	Variable	Sapling	
Pin Cherry		5	Pole	6		Red Maple		High	10 - 20 feet	Sapling	
White Pine		2	Log/Pole	10		Pin Cherry		Low	5 - 10 feet	Sapling	
Jack Pine		3	Pole/Log	9							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
175	4130 - Aspen	Poletimber Well	39.1	44	51-80	N/A	Primarily a Bigtooth aspen stand. Some scattered white pine on the west side. Higher SI on the east side with some more poletimber oak mixed in. Hold until stand produces sawtimber.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		5	Pole	8		Red Maple	
Quaking Aspen		5	Pole	8		Medium	
Bigtooth Aspen		70	Pole/Log	9	44	Low	
Black/Red (Hybrid) Oak		2	Pole	7		5 - 10 feet	
Red Maple		15	Pole	8		Sapling	
White Pine		1	XLog	18		Variable	
White Oak		2	Pole/Log	9		Sapling	
176	4130 - Aspen	Poletimber Well	64.4	51	81-110	N/A	Nice quality Bigtooth aspen stand. Rolling hills. Some valleys contain oak. Hold to site quality and for sawtimber production. Retain conifers when time to cut.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		88	Pole	8	51	Red Maple	
Black/Red (Hybrid) Oak		7	Pole	6	51	Medium	
Red Maple		5	Pole	6	51	Low	
						5 - 10 feet	
						Tall Shrub	
						Pin Cherry	
						Low	
						< 5 feet	
						Sapling	
177	4125 - Black, N. Pin Oak	Sawtimber Well	5.6	60	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Oak		5	Pole/Log	9		White Pine	
Red Maple		5	Log	16		Low	
Black/Red (Hybrid) Oak		90	Log/Pole	10	60	Black Cherry	
						Low	
						5 - 10 feet	
						Sapling	
						Red Maple	
						Low	
						5 - 10 feet	
						Sapling	
178	42110 - Planted Red Pine	Sawtimber Well	9.7	64	81-110	N/A	Stand was thinned in the Spring 2001. They took 2 rows and left 6. Some areas of thick autumn olive. Thinned in 2020. BA is now about 80.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		98	Log/Pole	12	64	Red Maple	
Black/Red (Hybrid) Oak		2	Log/Pole	10		Medium	
						10 - 20 feet	
						Sapling	
						Autumn Olive	
						Medium	
						5 - 10 feet	
						Tall Shrub	
						Pin Cherry	
						Low	
						5 - 10 feet	
						Sapling	
179	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	14.0	65	1-50	N/A	Scattered wolfy oak and cherry with oak and cherry scattered in understory. Previous inventory says 97 years old for apples.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Pin Cherry		40	Pole/Log	8		Pin Cherry	
Black/Red (Hybrid) Oak		55	Log/Pole	12	65	Low	
Apple (spp.)		5	Pole/Sapling	6	97	5 - 10 feet	
						Sapling	
						Black/Red (Hybrid) Oak	
						Low	
						5 - 10 feet	
						Sapling	
180	4199 - Other Mixed Upland Deciduous	Poletimber Well	2.4	47	51-80	N/A	Retain pine next harvest. Allow more oak to reach saw class.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole/Log	9		Red Maple	
Black/Red (Hybrid) Oak		50	Pole/Log	9	47	Low	
Pin Cherry		44	Pole	9		10 - 20 feet	
White Pine		1	XLog	26		Sapling	
						White Pine	
						Low	
						10 - 20 feet	
						Sapling	
						Beech	
						Trace	
						5 - 10 feet	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
181	4130 - Aspen	Poletimber Well	47.5	32	1-50	N/A	Mix of Big tooth and quaking aspen. Some red maple and oak. White pine sub-canopy coming in nice adjacent to white pine stand to the east.																																										
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182	6225 - Bog	Nonstocked	1.2			No																																											
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183	4130 - Aspen	Poletimber Well	67.0	43	81-110	N/A	There is a minor, mostly suppressed paper birch component in the NW corner along with some white pines. Red oak is more prevalent on the west hill. Occasional supercanopy white pine throughout.																																										
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184	4130 - Aspen	Sawtimber Well	7.0	63	141-170	N/A	Nice bigtooth aspen stand growing well. Many trees entering sawtimber class.																																										
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185	4123 - Red Oak	Sawtimber Well	17.2	105	81-110	N/A	Thinned two entries ago. Heavy understory red maple, aspen and white pine.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
186	4199 - Other Mixed Upland Deciduous	Sawtimber Well	85.5	104	141-170	N/A	Nice high SI red oak stand mixed with bigtooth aspen and red maple. Occasional very large white and re pine. Aspen is found scattered and in heavier mixed clones. Some areas have little to no aspen. Stand appears healthy. Stand would probably convert to 70-80% aspen if harvested.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Oak		50	Log/Pole	13	104	Red Maple		Medium	10 - 20 feet	Sapling	
White Oak		7	Log/Pole	13	104	Witch Hazel		Low	5 - 10 feet	Tall Shrub	
Red Maple		7	Pole/Log	9		Maple Leaved Viburnum		Low	< 5 feet	Tall Shrub	
Bigtooth Aspen		36	Log/Pole	12		Ash (spp.)		Trace	10 - 20 feet	Sapling	
						Serviceberry (Juneberry)		Low	5 - 10 feet	Tall Shrub	
						Sugar Maple		Low	>20 feet	Pole	
						White Ash		Low	< 5 feet	Seeding	
187	4199 - Other Mixed Upland Deciduous	Sawtimber Well	10.0	105	111-140	N/A	Northern hardwood/red oak stand. Some high-quality red oak present. A few beech which have BBD.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Beech		5	Log	16		Ironwood		Low	5 - 10 feet	Sapling	
Basswood		8	Log	16		Red Maple		Low	5 - 10 feet	Sapling	
Paper Birch		1	Pole	9		Sugar Maple		Low	>20 feet	Pole	
Bigtooth Aspen		15	Log	12		Beech		Low	5 - 10 feet	Sapling	
Sugar Maple		21	Log/Pole	12							
Red Oak		50	Log	17	105						
188	4130 - Aspen	Poletimber Well	61.2	44	111-140	N/A	Nice growing big tooth aspen. Some oak, and red maple mixed in. Ash and p. birch were a small component in the past. High site index. 10 years and there should be a lot more sawtimber aspen. There is at least one pocket of nice white pine and an occasional supercanopy red pine.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Oak		5	Pole/Sapling	6	44	Red Maple		Medium	5 - 10 feet	Sapling	
Red Maple		5	Pole	6	44	Maple Leaved Viburnum		Low	< 5 feet	Tall Shrub	
Bigtooth Aspen		90	Pole/Sapling	6	44	Witch Hazel		Low	5 - 10 feet	Tall Shrub	
						White Pine		Low	Variable	Sapling	
189	4130 - Aspen	Poletimber Well	69.5	31	1-50	N/A	Aspen growing on a good site. Young poletimber. Conifer swamp on the extreme east edge.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Bigtooth Aspen		90	Pole	6	31	Witch Hazel		Low	5 - 10 feet	Tall Shrub	
Quaking Aspen		3	Pole	6	31	Red Maple		High	5 - 10 feet	Sapling	
Red Maple		5	Pole	6	31	Balsam Fir		Trace	10 - 20 feet	Sapling	
Paper Birch		2	Pole/Sapling	5	31						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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190 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 9.1 107 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	5	Pole/Log	8	
Red Pine	1	Log	16	
Balsam Fir	2	Pole	6	
Northern White Cedar	5	Pole	7	
Hemlock	5	Pole	8	
White Pine	24	XLog	18	
Red Oak	35	Log	17	107
Basswood	1	XLog	18	
Red Maple	20	Pole/Log	8	
Sugar Maple	2	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	10 - 20 feet	Sapling
Ironwood	Low	10 - 20 feet	Sapling
Red Maple	Medium	5 - 10 feet	Sapling
White Pine	Low	5 - 10 feet	Sapling
American Elm	Trace	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling

191 3102 - Grass Nonstocked 1.9 Immature oil/gas infrastructure

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	>20 feet	Log
Aspen (spp.)	Low	>20 feet	Sapling
Autumn Olive	Medium	5 - 10 feet	Tall Shrub

192 4133 - Aspen, Mixed Pine Sawtimber Well 7.3 85 81-110 N/A This was left when the stand to the west was cut.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	40	Log/Pole	10	85
Black/Red (Hybrid) Oak	10	Log	11	85
Red Maple	7	Pole/Log	9	
White Pine	30	Log	12	
Bigtooth Aspen	11	Log	11	
Red Pine	2	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	5 - 10 feet	Sapling
Maple Leaved Viburnum	Low	< 5 feet	Tall Shrub
Beech	Low	5 - 10 feet	Sapling
Black Cherry	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling
White Pine	Medium	Variable	Sapling

193 4311 - Pine, Aspen Mix Poletimber Well 7.5 60 111-140 N/A Could do a white/red pine seed tree? keep white oak. North side of trail is young and should be left out.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	5	
White Pine	50	Log	13	60
Bigtooth Aspen	40	Pole	6	60
Red Oak	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	Sapling
White Pine	Medium	Variable	Sapling
Balsam Fir	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
194	4130 - Aspen	Sawtimber Poor	1.9	61	111-140	N/A	Hummocky stand that has a drain from the hdwds to west. Aspen is falling apart. Heavy dead/down, two-aged with good structure developing. Let convert. lots of dead ash. Inaccessible due to wet ground on the west side.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		35	Log	12	61	White Ash		Low	Variable	Sapling
Red Oak		7	Log/XLog	16	113	Witch Hazel		Low	5 - 10 feet	Tall Shrub
Paper Birch		7	Pole	9		Balsam Fir		High	>20 feet	Sapling
Quaking Aspen		26	Log	12		Red Maple		Medium	Variable	Sapling
Balsam Fir		5	Pole	7						
Red Maple		20	Log/Pole	10						
195	4131 - Aspen, Oak	Sapling Well	8.6	10	Immature	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height
Red Maple		15	Sapling	1	10	Red Maple	High		5 - 10 feet	Sapling
Quaking Aspen		50	Sapling	1	10	Black/Red (Hybrid) Oak	Low		5 - 10 feet	Sapling
White Oak		15	Log	12	104					
Bigtooth Aspen		15	Sapling	1	10					
Black/Red (Hybrid) Oak		5	Log	14	104					
196	6120 - Lowland Cedar	Poletimber Poor	4.2	60	1-50	N/A	Dead cedar.			
Canopy Species		% Cover	Size Class	DBH	Age					
Northern White Cedar		90	Pole	8	60					
White Pine		10	Sapling	3						
197	31022 - Warm Season Grass	Nonstocked	0.4	0	Immature		oil/gas infrastructure			
198	629 - Mixed non-forested wetland	Nonstocked	2.5	0	Unspecified	No				
199	4130 - Aspen	Poletimber Well	8.5	54	81-110	N/A	Low quality aspen stand in decline.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
White Pine		5	Log	15		Black/Red (Hybrid) Oak	Low	10 - 20 feet	Sapling	
Pin Cherry		2	Sapling	3		Pin Cherry	Low	5 - 10 feet	Sapling	
Quaking Aspen		93	Pole	8	54					
200	4122 - Oak, Pine	Poletimber Well	33.0	45	51-80	N/A	Split from 7. Oak jack pine mix. Occasional Aspen.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Bigtooth Aspen		10	Pole	7		Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling	
Jack Pine		30	Pole	8						
Black/Red (Hybrid) Oak		60	Pole/Sapling	7	45					
201	310 - Herbaceous Openland	Nonstocked	3.3	0	Unspecified	Managed Opening	Contains some old, open grown black walnut which have seeded some decent timber form trees.			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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202		Sapling Medium	7.4	14	Immature	N/A	Harvested spring 2010. 71-036-09-10. Stand is semi-open in spots and is filling in with red pine, cherry, and oak.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	29	XLog	18	93
Red Pine	13	Sapling	2	10
Black/Red (Hybrid) Oak	40	Sapling/Pole	4	14
Pin Cherry	18	Sapling	2	