

Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71025

Entry Year: 2027

Acreage: 2,139

County: Roscommon

Management Area: High Sand Plains

Stand Examiner: Dakota Ewald

Legal Description:

T21N R03W Sections 1, 2, 3, & N1/2 of 10

Identified Planning Goals:

Balance age classes and enhance in-stand diversity of various cover types providing a range of stand structures and habitats.

Soil and topography:

Terrain is mostly flat to gently rolling, with some steeper slopes and ridges throughout the compartment. The Southwest corner of the compartment has a steep rimmed bowl around Duck Lake and drops down into lower ground.

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

Compartment is solid state ownership with state land surrounding except for the east side which is adjacent to the large private withholding of Mid Forest Lodge, an 80 acre private parcel to the north in section 36, and section 33 to the Northwest which is entirely within private ownership.

Unique Natural Features:

Osprey nest within stand 14, most recent data shows the nest was active in 2022.

Archeological, Historical, and Cultural Features:

There is an archeological site on record on section 10.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

Duck lake and the surrounding wetland complex are located in the Western portion of the compartment. Boyce lake also lies just South of the compartment line.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for economic deposits of metallic minerals in this part of the state. No known active sand/gravel operations exist in the area, but there may be potential for development of sand & gravel within the compartment on the uplands. The nearest hydrocarbon production, past or present, is more than two miles southwest. There has been no recent well permitting activity around the compartment, and there is also no current leasing activity involving State-owned oil & gas rights in the area. Potential for future oil & gas development within the compartment is considered low at this time.

Vehicle Access:

Vehicle access to most areas of the compartment are excellent via state highway M-18, county roads, and forest two-track 40 roads. Southwest corner of the compartment has limited access due to Duck Lake and the associated wetland complex.

Survey Needs:

None necessary at the time of inventory.

Recreational Facilities and Opportunities:

This compartment contains the Waco Road ORV trailhead as well as an ORV trail and ORV route. Waco Road is a seasonal county road which is groomed/maintained as a snowmobile trail during the snowmobile season. This compartment sees very heavy ORV/Snowmobile usage.

Fire Protection:

Volatile fuel types such as jack pine and red pine are abundant in this compartment. Access and response times are good to this area due to M-18, county roads, and the two-tracks (old fire breaks) in the compartment. Areas with steeper terrain

and low/wet terrain could hinder suppression activities.

Additional Compartment Information:

A large portion of Section 1 in this compartment was burned in May 2005 in the Boyce Lake Fire.

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: 71025
T21N, R03W, Sec. 1-3, 10, 11
County: Roscommon
Unit: Roscommon
Mgmt. Area: High Sand Plains
YOE: 2027
Acres: 2,139 GIS Calculated
Examiner: Dakota Ewald
Date Exported: 09/30/2025
Map Phase: Post Review



0 0.5 1 Miles

- Berms
- Culvert
- Parking Lot
- Sign
- Trailhead

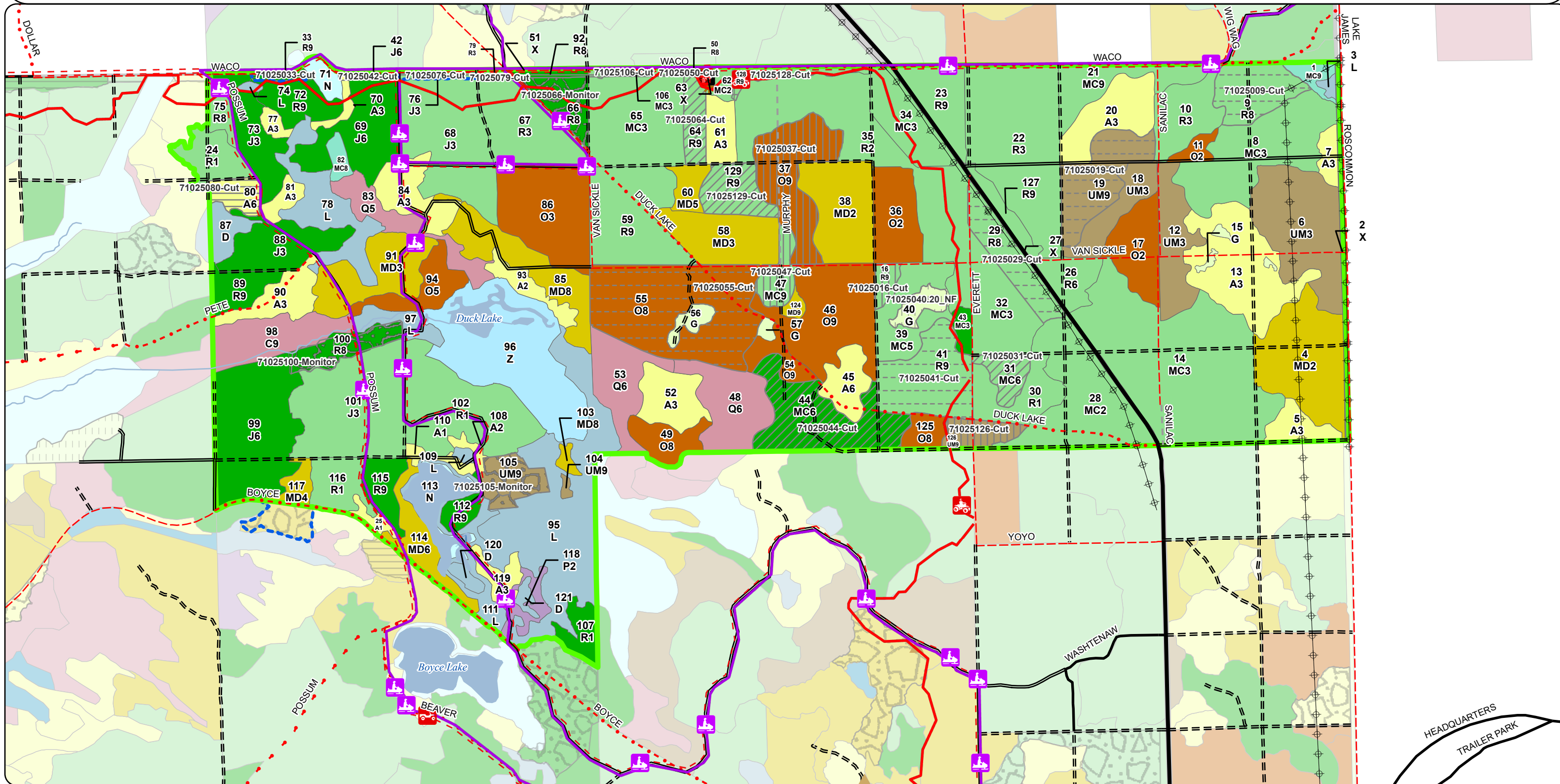
- Designated ORV Routes
- Designated Snowmobile Trails
- Designated ATV Trails

- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Perennial River
- Powerline

- Lakes and Rivers
- Counties
- Compartment Boundary
- Clearcut
- Shelterwood
- Thinning
- Overstory Removal
- Openings Mgmt.
- Monitoring - Regeneration

- Treatments with Site Conditions
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water

- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland



Stand Boundary Map

Compartment: 71025
T21N, R03W, Sec. 1-3, 10, 11
County: Roscommon
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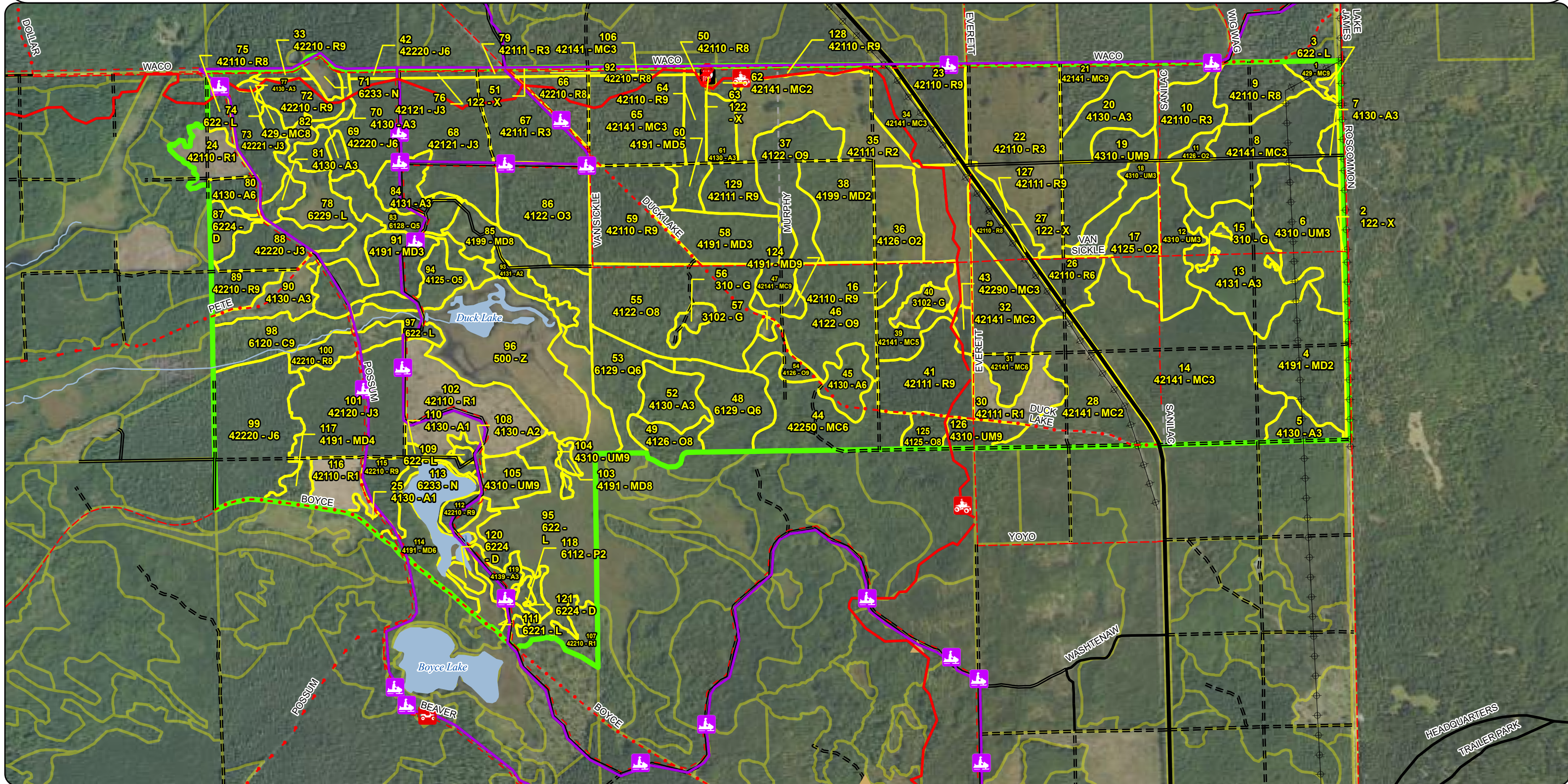
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- Berms
- Culvert
- Parking Lot
- Sign
- Trailhead
- Designated ORV Routes
- Designated Snowmobile Trails
- Designated ATV Trails

- DNR - Secondary Forest Road
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- Lakes and Rivers
- Counties
- Compartment Boundary
- 412 - Oak Types
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- 419 - Mixed Upland Deciduous
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- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland



Special Conservation Areas & Site Conditions Map

Compartment: 71025
T21N, R03W, Sec. 1-3, 10, 11
County: Roscommon
Unit: Roscommon
Mgmt. Area: High Sand Plains
YOE: 2027
Acres: 2,139 GIS Calculated
Examiner: Dakota Ewald
Date Exported: 09/30/2025
Map Phase: Post Review



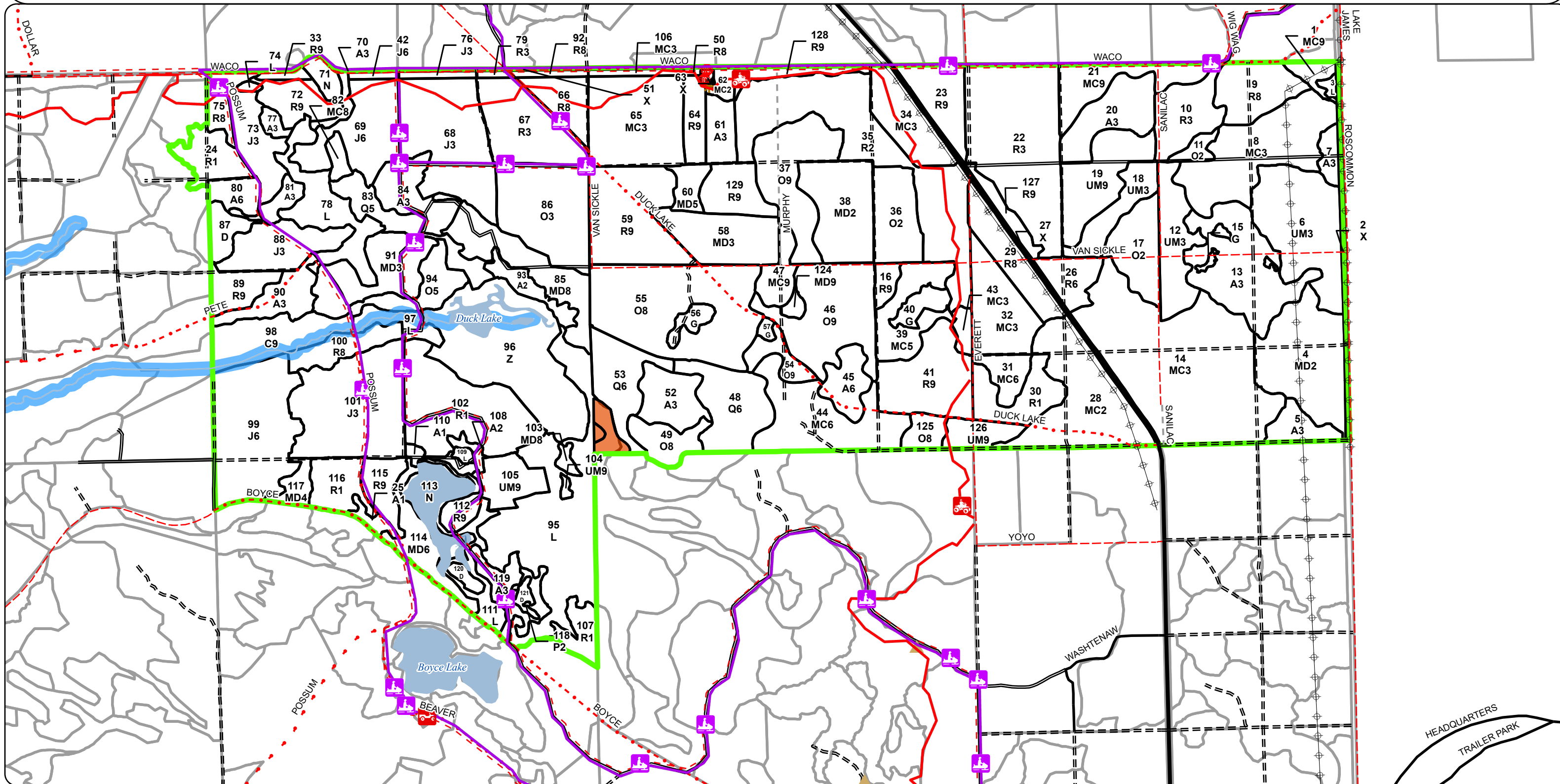
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- ▲ Berms
- ⌋ Culvert
- P Parking Lot
- ⛔ Sign
- ✱ Trailhead
- == Designated ORV Routes

- Designated Snowmobile Trails
- Designated ATV Trails
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road

- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Perennial River
- ⊕ Powerline
- Lakes and Rivers
- Counties

- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Other Habitat Area



Report 1 – Total Acres by Cover Type and Age Class

	Age Class																		
	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	13	45	44	67	0	7	0	0	0	0	0	0	0	0	0	0	0	175
Cedar	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	22
Herbaceous Openland	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Jack Pine	0	0	0	96	68	48	0	0	0	0	0	0	0	0	0	0	0	0	212
Lowland Aspen/Balsam Poplar	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	61	0	0	0	0	0	0	0	61
Lowland Shrub	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	124
Marsh	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Mixed Upland Deciduous	0	0	26	92	6	0	0	19	0	0	2	28	0	0	0	0	0	0	173
Natural Mixed Pines	0	0	0	0	0	0	36	0	0	4	0	0	0	0	0	0	0	0	40
Oak	0	19	0	59	0	13	0	0	0	0	11	144	0	0	0	0	0	0	246
Planted Mixed Pines	0	0	182	63	24	0	0	0	0	0	18	9	0	0	0	0	0	26	322
Red Pine	0	223	0	48	0	0	0	0	0	46	29	159	0	0	0	0	0	5	510
Treed Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Upland Conifers	0	0	0	0	0	0	0	0	0	3	0	5	0	0	0	0	0	0	7
Upland Mixed Forest	0	0	20	54	0	0	0	0	0	0	25	21	0	0	0	0	0	0	120
Urban	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Water	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63
Total	246	255	273	456	171	61	43	19	0	53	168	366	0	0	0	0	0	31	2140

Report 2 – Treatment Summary

Roscommon Mgt. Unit

Year of Entry: 2027

Acres of Harvest

Compartment 25

Total Compartment Acres: 2,139

Commercial Harvest - 412

Harvests with Site Condition - 8

Next Step Harvest - 0

Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	7	0	0	0	0	0	0	0	0	7
Jack Pine	4	0	0	0	0	0	0	0	0	4
Natural Mixed Pines	0	0	0	0	0	36	0	0	0	36
Oak	0	0	0	0	30	0	62	0	0	92
Planted Mixed Pines	3	0	0	0	9	8	0	0	0	20
Red Pine	12	0	0	0	4	22	66	0	0	103
Upland Mixed Forest	0	0	0	0	9	0	25	0	0	34
Total	26	0	0	0	52	66	152	0	0	296

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	296	0	0	0	0	0	34	0	6	335
Next Step	0	0	0	0	0	0	103	19	6	127
Total	296	0	0	0	0	0	136	19	11	462

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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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Approved Treatments:

9	71025009-Cut	18.6	42110 - Planted Red Pine	8	100	81-110	Harvest	Overstory Removal	4310 - Pine, Oak Mix	Planting Record	No
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Prescription Overstory removal with retention. Cut everything 4 inches and up to release existing understory of natural oak and pine regen. Add regen protection, oak wilt, and snowmobile/orv specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to full stocking of natural oak and pine.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

16	71025016-Cut	4.1	42110 - Planted Red Pine	9	101	81-110	Harvest	Shelterwood	4122 - Oak, Pine	Planting Record	No
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Prescription Shelterwood down to 50 to 70 BA. Focus on removing poor formed and suppressed trees. Add regen and residual protection and oak wilt specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to full stocking of natural oak and pine.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

19	71025019-Cut	25.0	4310 - Pine, Oak Mix	9	99	111-140	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Planting Record	No
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Prescription Overstory removal, cut everything 4 inches and up to release existing understory of oak, aspen, and a mix of other species. Add regen protection and oak wilt specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate to full stocking of oak and aspen with a mix of other species.

Regen:

Other

Comment: If natural regen fails trench and plant to red pine with full suite of tools.

Site Condition:

Proposed Start Date: 10/01/2026

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
29 71025029-Cut	17.3	42110 - Planted Red Pine	8	101	81-110	Harvest	Overstory Removal	4122 - Oak, Pine	Planting Record	No
<u>Prescription</u> Overstory removal with retention, protecting existing oak and pine regen. Add regen protection and oak wilt specs. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Moderate to full stocking of natural oak and pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
31 71025031-Cut	8.0	42141 - Planted Mixed Pine, Mixed Deciduous	6	100	141-170	Harvest	Thinning	4310 - Pine, Oak Mix	Cutting Record	No
<u>Prescription</u> Thin down to 80 to 90 BA to promote white pine and oak regen. Focus on removing poor formed and suppressed trees first. Leave most <u>Specs:</u> white oak and white pine for a seed source. Add regen and residual protection specs. Add oak wilt specs. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
33 71025033-Cut	1.7	42210 - Natural Red Pine	9	87	81-110	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Cut all trees 1" and larger <u>Specs:</u> <u>Next Step</u> Other, Other - Specify <u>Treatments:</u> <u>Acceptable</u> None. Converting to non-forested for utility line <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Age-Class or Site Quality <u>Proposed Start Date:</u> 10/01/2024										
37 71025037-Cut	30.4	4122 - Oak, Pine	9	100	81-110	Harvest	Shelterwood	4310 - Pine, Oak Mix	Planting Record	No
<u>Prescription</u> Shelterwood thinning down to 50 to 70 BA to release existing understory of red pine and oak. Focus on removing poor formed and <u>Specs:</u> suppressed trees. Add residual and regen protection specs. Add oak wilt spec. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to full stocking of red pine and oak with a mix of other species. Expect some open pockets with lower regen density. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
40 71025040.20_NF	5.6	3102 - Grass	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Denton Creek Field 19.										
<u>Specs:</u>										
<u>Next Step</u> NonForestMgt, Mowing										
<u>Treatments:</u>										
<u>Acceptable</u>										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										
41 71025041-Cut	29.6	42111 - Planted Red Pine, Mixed Deciduous	9	100	111-140	Harvest	Overstory Removal	4310 - Pine, Oak Mix	Planting Record	No
<u>Prescription</u> Overstory removal with retention. Cut everything 4 inches and up to release existing understory of natural red pine, oak, and a mix of other										
<u>Specs:</u> species. Add residual and regen protection, oak wilt, and orv specs.										
<u>Next Step</u>										
<u>Treatments:</u>										
<u>Acceptable</u>										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										
69 71025042-Cut	1.9	42220 - Natural Jack Pine	6	35	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Cut all trees 1 inch DBH and larger.										
<u>Specs:</u>										
<u>Next Step</u> Other, Other - Specify										
<u>Treatments:</u>										
<u>Acceptable</u> No regeneration desired. Converting to non-forested.										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2024										

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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
44 71025044-Cut	35.8	42250 - Pine, Oak	6	55	111-140	Harvest	Thinning	4310 - Pine, Oak Mix	Cutting Record	No
<u>Prescription</u> Thin down to 70 to 90 BA. Retain some poor formed and cavity trees to promote structural diversity, as per the natural pine guidance. <u>Specs:</u> Remove any oak that is showing signs of decline. Goal is to release understory/mid-canopy white pine poles and promote ex <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> All managers agree to a treatment on this natural pine stand. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
47 71025047-Cut	8.8	42141 - Planted Mixed Pine, Mixed Deciduous	9	101	111-140	Harvest	Shelterwood	4310 - Pine, Oak Mix	Planting Record	No
<u>Prescription</u> Shelterwood down to 50 to 70 BA to promote existing pine and oak regen. Focus on removing poor formed and suppressed trees. Add <u>Specs:</u> residual and regen protection specs. Add oak wilt spec. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Full to moderate stocking of natural pine and oak with a mix of other species. Expect some more open pockets with lower regen densities. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
64 71025050-Cut	0.7	42110 - Planted Red Pine	9	98	111-140	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Clearcut and convert to non-forest <u>Specs:</u> <u>Next Step</u> Other, Other - Specify <u>Treatments:</u> <u>Acceptable</u> NA <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024										

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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
55 71025055-Cut	61.7	4122 - Oak, Pine	8	101	1-50	Harvest	Overstory Removal	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No
<u>Prescription</u> Overstory removal with retention, cut everything 4 inches and up. Protect existing advanced regen. Also, cut dead oak due to stand starting <u>Specs:</u> to experience an increase in mortality. Focus some retention around sandy G0 stand to deter orv damage. Add regen p <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Moderate to full stocking of oak, red maple, and pine with a mix of other species. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
64 71025064-Cut	8.6	42110 - Planted Red Pine	9	98	111-140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Crown thinning down to 70 to 90 BA. Focus on removing poor formed and suppressed trees. Protect existing regen where possible. Add <u>Specs:</u> residual and regen protection, oak wilt, and snowmobile/orv specs. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
66 71025066-Monitor	11.6	42210 - Natural Red Pine	8	97	1-50	Monitoring	Monitoring - Regeneration	4221 - Natural Red Pine	Planting Record	No
<u>Prescription</u> Moderate stocking of natural red pine with a mix of oak. If natural regen fails remove overstory and trench and plant to red pine with full suite <u>Specs:</u> of tools. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> A mix of red pine and oak that meets moderate stocking <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2034										

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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
76 71025076-Cut	2.4	42121 - Planted Jack Pine, Mixed Deciduous	3	22	Immature	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Clearcut with a 1"spec <u>Specs:</u> <u>Next Step</u> Other, Other - Specify <u>Treatments:</u> <u>Acceptable</u> Converting to non-forested for utility line <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> Long-Term Retention <u>Proposed Start Date:</u> 10/01/2024										
79 71025079-Cut	1.0	42111 - Planted Red Pine, Mixed Deciduous	3	21	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Clear cut with a 1"spec. <u>Specs:</u> <u>Next Step</u> Other, Other - Specify <u>Treatments:</u> <u>Acceptable</u> Converting to non-forested for utility line. <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024										
80 71025080-Cut	7.0	4130 - Aspen	6	59	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut everything 2 inches and up. No retention due to small stand size. Add drumming log, brush pile, and snowmobile trail protection <u>Specs:</u> specs. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Full stocking of aspen <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
92 71025092-Cut	2.4	42210 - Natural Red Pine	8	97	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Clearcut to a 1" spec <u>Specs:</u> <u>Next Step</u> Other, Other - Specify <u>Treatments:</u> <u>Acceptable</u> Converting to non-forested for utility line. <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024										
100 71025100-Monitor	10.6	42210 - Natural Red Pine	8	89	81-110	Monitoring	Monitoring - Regeneration	42211 - Natural Red Pine, Mixed Deciduous		No
<u>Prescription</u> Red pine and mixed deciduous to full stocking. Extended monitoring treatment to allow stand more time to regenerate since it was only cut in 2020. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Red pine and mixed deciduous to full stocking. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
105 71025105-Monitor	11.4	4310 - Pine, Oak Mix	9	108	111-140	Monitoring	Monitoring - Regeneration	4122 - Oak, Pine		No
<u>Prescription</u> Extended monitoring treatment since stand has only had a few years to regenerate. Goal is a mix of oak and pine to full stocking, but stand is currently very sparse. May have to accept lower stocking levels. reassess during next entry. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Mixture of oak and pine to full stocking. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
106 71025106-Cut	2.9	42141 - Planted Mixed Pine, Mixed Deciduous	3	28	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Clearcut and convert to non-forest <u>Specs:</u> <u>Next Step</u> Other, Other - Specify <u>Treatments:</u> <u>Acceptable</u> None. Convert to non-forest <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024										
126 71025126-Cut	8.6	4310 - Pine, Oak Mix	9	100	111-140	Harvest	Shelterwood	4310 - Pine, Oak Mix	Cutting Record	No
<u>Prescription</u> Shelterwood down to a target of 60 to 80 BA to promote existing oak and pine natural regen. Focus on removing poor formed and suppressed trees. Leave most white oak and white pine but cut where required for operability. Add regen and residual protection, <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to full stocking of natural pine and oak. Expect some pockets of sparse regen. <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
128 71025128-Cut	5.8	42110 - Planted Red Pine	9	100	111-140	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Cut all trees 1 inch DBH and larger. <u>Specs:</u> <u>Next Step</u> Other, Other - Specify <u>Treatments:</u> <u>Acceptable</u> No regeneration desired. Converting to non-forested. <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
129 71025129-Cut	13.6	42111 - Planted Red Pine, Mixed Deciduous	9	100	141- 170	Harvest	Thinning	42111 - Planted Red Pine, Mixed Deciduous	Planting Record	No
<u>Prescription</u> Crown thinning down to 70 to 90 BA. Focus on removing poor formed and suppressed trees. Add residual protection and oak wilt specs.										
<u>Specs:</u>										
<u>Next Step</u>										
<u>Treatments:</u>										
<u>Acceptable</u>										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										

Total Treatment
Acreage Proposed: 335.1

Report 4 – Site Conditions



Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available		Dominant Site Conditions						
Acres	Available	With Condition	Not Available		5B	5C	1A	2F	2G	2H	5E
154	152	0	2	Aspen							2
22	0	0	22	Cedar					22		
13	13	0	0	Herbaceous Openland							
210	210	0	0	Jack Pine							0
6	0	0	6	Lowland Aspen/Balsam Poplar					6		
61	45	0	16	Lowland Conifers					16		
124	124	0	0	Lowland Shrub							
16	16	0	0	Marsh							
173	143	24	6	Mixed Upland Deciduous		24		4		2	
39	39	0	0	Natural Mixed Pines							
245	170	58	17	Oak	47	11	13				4
306	286	18	2	Planted Mixed Pines		18					2
494	403	89	1	Red Pine		89					1
12	12	0	0	Treed Bog							
8	8	0	0	Upland Conifers							
120	119	0	1	Upland Mixed Forest						1	
18	18	0	0	Urban							
63	63	0	0	Water							
2,083	1,821	189	73	Total Forested Acres	47	142	13	4	44	3	10
	87%	9%	4%	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)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dakota Ewald: Examiner

Compartment: 25
Year of Entry: 2027



2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



8	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	1A: Federal/State/Local Law	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Archaeology site present within stand							
10	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dakota Ewald: Examiner

Compartment: 25
Year of Entry: 2027



14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	37	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5B: Maintain for regeneration purposes	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



20	Available	5B: Maintain for regeneration purposes	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold stand until it can be cut with aspen to the north							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



30	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	2F: Too steep	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
40	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
49	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
52	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



54	Unavailable	2F: Too steep	1	5E: Long-Term Retention	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

Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
1	429 - Mixed Upland Conifers	Sawtimber Well			4.5	101	111-140	N/A	Upland with a few wet potholes which are mostly tag alder, stand has at least 2 age classes and is going towards all-aged, south part of the stand burned in the 2005 Boyce Lake Fire																																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Jack Pine</td><td>1</td><td></td><td>10</td><td></td></tr><tr><td>Red Maple</td><td>25</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>White Oak</td><td>2</td><td></td><td>15</td><td>101</td></tr><tr><td>Red Pine</td><td>15</td><td></td><td>17</td><td>101</td></tr><tr><td>White Pine</td><td>38</td><td></td><td>20</td><td>101</td></tr><tr><td>Balsam Fir</td><td>8</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>1</td><td></td><td>8</td><td></td></tr><tr><td>Red Oak</td><td>10</td><td></td><td>16</td><td>101</td></tr></table>					Canopy Species	% Cover	Size Class	DBH		Age	Jack Pine	1		10		Red Maple	25	Seedling	6		White Oak	2		15	101	Red Pine	15		17	101	White Pine	38		20	101	Balsam Fir	8	Seedling	7		Bigtooth Aspen	1		8		Red Oak	10		16	101	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	White Pine	High	Variable	Variable	Balsam Fir	Medium	Variable	Variable	Red Maple	Low	Variable	Variable
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
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Balsam Fir	Medium	Variable	Variable																																																																			
Red Maple	Low	Variable	Variable																																																																			
2	122 - Road/Parking Lot	None			5.6			No	Roscommon rd and powerline row																																																													
3	622 - Lowland Shrub	None			1.2			No	lowland brush, burned in the 2005 Boyce Lake Fire																																																													
4	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium			39.7	20	1-50	N/A	ROLLING TERRAIN WITH SOME STEEP SLOPES, BURNED IN THE BOYCE ROAD FIRE - APRIL 17, 2005. Some areas of the stand were salvage cut. Stand is variable and has regenerated to oak, aspen, red maple, Jack pine, and white pine. There is also areas with overstory pine and oak that survived the boyce rd fire.																																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>3</td><td></td><td>16</td><td>99</td></tr><tr><td>Red Pine</td><td>10</td><td></td><td>15</td><td>99</td></tr><tr><td>Red Maple</td><td>5</td><td>Log</td><td>1</td><td>20</td></tr><tr><td>Bigtooth Aspen</td><td>25</td><td>Log</td><td>1</td><td>20</td></tr><tr><td>White Oak</td><td>5</td><td>Log</td><td>1</td><td>20</td></tr><tr><td>White Pine</td><td>5</td><td>Log</td><td>1</td><td></td></tr><tr><td>Jack Pine</td><td>15</td><td>Log</td><td>1</td><td>20</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>25</td><td>Log</td><td>1</td><td>20</td></tr><tr><td>White Pine</td><td>5</td><td></td><td>15</td><td>99</td></tr></table>					Canopy Species	% Cover	Size Class	DBH		Age	Black/Red (Hybrid) Oak	3		16	99	Red Pine	10		15	99	Red Maple	5	Log	1	20	Bigtooth Aspen	25	Log	1	20	White Oak	5	Log	1	20	White Pine	5	Log	1		Jack Pine	15	Log	1	20	Black/Red (Hybrid) Oak	25	Log	1	20	White Pine	5		15	99															
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Black/Red (Hybrid) Oak	25	Log	1	20																																																																		
White Pine	5		15	99																																																																		
5	4130 - Aspen	Sapling Well			8.3	19	Immature	N/A		burned in the 2005 Boyce Lake Fire, salvaged in winter 2006, scattered white oak and red maple poles also which were left from the salvage cut. Stand is mostly sapling sized aspen with a mix of oak, Jack pine, and red maple.																																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>60</td><td>Log</td><td>1</td><td>19</td></tr><tr><td>White Pine</td><td>2</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Jack Pine</td><td>2</td><td>Log</td><td>1</td><td></td></tr><tr><td>Pin Cherry</td><td>2</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td>Log</td><td>1</td><td>19</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>6</td><td>Log</td><td>1</td><td></td></tr><tr><td>White Oak</td><td>2</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Pine</td><td>6</td><td>Seedling</td><td>8</td><td></td></tr></table>					Canopy Species	% Cover	Size Class	DBH	Age		Bigtooth Aspen	60	Log	1	19	White Pine	2	Seedling	8		Jack Pine	2	Log	1		Pin Cherry	2	Log	1		Red Maple	20	Log	1	19	Black/Red (Hybrid) Oak	6	Log	1		White Oak	2	Log	1		Red Pine	6	Seedling	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	White Oak	Low	Variable	Variable	Black/Red (Hybrid) Oak	Low	Variable	Variable				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
6	4310 - Pine, Oak Mix	Sapling Well	40.6	20	1-50	N/A	Stand burned in the Boyce Lake Fire in 2005, stand was not salvaged after the fire and there was an agreement with WD to monitor this stand for regeneration and any planting needs, stand is now overall sapling size with RP X'L's overtop jack pine and oak regeneration, scattered oak SL and XL's also, over-story is mostly scattered but there are a few pockets heavy to RP SL and XL's, stand has a narrow gauge RR grade running thru the north end of this stand,
		Canopy Species	% Cover	Size Class	DBH	Age	
		Bigtooth Aspen	8	Log	1	20	
		Red Maple	8	Log	1	20	
		Pin Cherry	5	Log	1		
		Red Pine	5		15	99	
		Jack Pine	36	Log	1	20	
		White Oak	8	Log	1	20	
		Black/Red (Hybrid) Oak	30	Log	1	20	
7	4130 - Aspen	Sapling Well	4.5	21	1-50	N/A	A3 regeneration resulting from 2005 Boyce Lake Fire and 2005 Salvage cut after the fire
		Canopy Species	% Cover	Size Class	DBH	Age	
		Bigtooth Aspen	70	Log	1	21	
		Red Maple	10	Log	1		
		Pin Cherry	10	Log	1		
		Black/Red (Hybrid) Oak	10	Log	1		
8	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	42.8	19	1-50	N/A	ABANDONED NARROW GAUGE R.R. GRADE IN SOUTH PART OF STAND - r9 SALVAGED MAY/JUNE 2005 AFTER BOYCE FIRE, RE-PLANTED TO RED PINE IN 2006, NOW A FAIRLY EQUAL MIX OF PLANTED RED PINE AND NATURAL JACK PINE/OAK, ALSO SCATTTERED WHITE OAK POLES/SL WE LEFT WHEN SALVAGED FOR MAST AND FUTURE SNAGS
		Canopy Species	% Cover	Size Class	DBH	Age	
		White Oak	15	Log	1	20	
		Jack Pine	30	Log	1	20	
		Red Pine	35	Log	1	19	
9	42110 - Planted Red Pine	Sawtimber Medium	18.6	100	81-110	N/A	Rd pine stand thinned in 2008 by removing jack pine and most oak, nice understory of oak started and some jack pine also, stand is bisected by the ORV trail.
		Canopy Species	% Cover	Size Class	DBH	Age	
		Red Pine	85		12	100	
		Bigtooth Aspen	1		12		
		Black/Red (Hybrid) Oak	10		17		
		White Oak	4		13		
		Sub-Canopy Species	Density	Avg. Height	Size		
		White Oak	Medium	< 5 feet	< 5 feet		
		Black/Red (Hybrid) Oak	High	< 5 feet	< 5 feet		
		Red Pine	Low	< 5 feet	< 5 feet		
		Jack Pine	Low	< 5 feet	< 5 feet		
10	42110 - Planted Red Pine	Sapling Well	18.2	27	1-50	N/A	TRENCHED 1997, HANDPLANTED 5/98,
		Canopy Species	% Cover	Size Class	DBH	Age	
		Red Pine	85	Log	2	27	
		Pin Cherry	5	Log	2		
		Black/Red (Hybrid) Oak	10	Log	1		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
11	4126 - White, Black, N. Pin Oak	Sapling Medium	3.6	20	Immature	N/A	Burned in the 2005 Boyce Lake Fire, never re-planted and now mostly oak with scattered RP/JP and small A3 clones, largest oak is stump sprout origin but there is also some seedling origin oak which is starting			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Maple		5	Log	1	20					
Bigtooth Aspen		10	Log	2	20					
Red Pine		5	Log	2	27					
White Oak		25	Log	2	20					
Jack Pine		10	Log	1	20					
Black/Red (Hybrid) Oak		45	Log	2	20					
12	4310 - Pine, Oak Mix	Sapling Well	20.0	19	Immature	N/A	Originally seeded in 1998 and was J3 before Boyce Lake Fire in 2005, decision was made to re-plant this stand to jack pine after the fire, re-planted in 2006. Stand is now a mix of planted jack pine and natural regen oak. There is a small inclusion of red pine saw logs in the east central part of this stand			
Canopy Species		% Cover	Size Class	DBH	Age					
Jack Pine		46	Log	1	19					
White Oak		8	Log	1						
Pin Cherry		4	Log	1						
Black/Red (Hybrid) Oak		32	Log	1						
Bigtooth Aspen		10	Log	1						
13	4131 - Aspen, Oak	Sapling Well	39.0	20	Immature	N/A	Stand was originally A3 regenerated in 1989 but it burned in the 2005 Boyce Lake Fire and was set back, now it is A3 again with a 2005 year-of-origin			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		65	Log	1	20	Witch Hazel		Medium	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak		15	Log	1						
White Oak		15	Log	1						
Red Maple		5	Log	1						
14	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	96.5	19	Immature	N/A	Stand burned and was salvaged after the 2005 Boyce Lake Fire and planted to red pine in 2006. Stand is fully stocked with a mix of planted red pine and jack pine and oak that regenerated naturally.			
Canopy Species		% Cover	Size Class	DBH	Age					
Jack Pine		30	Log	1	20					
White Oak		5	Log	1	20					
Red Pine		40	Log	1	19					
Black/Red (Hybrid) Oak		25	Log	1	20					
15	310 - Herbaceous Openland	None	1.9			No	Series of grassy openings within surrounding aspen stand that burned in the 2005 Boyce Lake Fire			
16	42110 - Planted Red Pine	Sawtimber Well	4.1	101	81-110	N/A	Red pine plantation that is log sized with a decent understory of mixed pine and oak.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		5		12		White Oak		Low	Variable	Variable
Red Pine		85		12	101	White Pine		Low	Variable	Variable
White Pine		5		12		Black/Red (Hybrid) Oak		Medium	Variable	Variable
Bigtooth Aspen		5		10		Red Pine		Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
17	4125 - Black, N. Pin Oak	Sapling Medium	18.1	20	Immature	N/A	Stand was burned in the 2005 Boyce Lake fire and was not re-planted to jack pine when stand to the east was re-planted. Now stand is a mix of oak and natural jack pine. There are also more open pockets scattered throughout.																																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Jack Pine</td><td>25</td><td>Log</td><td>1</td><td>27</td></tr><tr><td>White Oak</td><td>15</td><td>Log</td><td>2</td><td>20</td></tr><tr><td>Red Maple</td><td>5</td><td>Log</td><td>1</td><td>20</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>45</td><td>Log</td><td>2</td><td>20</td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Log</td><td>2</td><td>20</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	25	Log	1	27	White Oak	15	Log	2	20	Red Maple	5	Log	1	20	Black/Red (Hybrid) Oak	45	Log	2	20	Bigtooth Aspen	10	Log	2	20																							
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Bigtooth Aspen	10	Log	2	20																																																			
18	4310 - Pine, Oak Mix	Sapling Well	13.3	27	1-50	N/A	good mix of planted jack pine and natural oak regeneration, J3 seeded to jack pine in December 1997																																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Jack Pine</td><td>55</td><td>Log</td><td>3</td><td>27</td></tr><tr><td>White Oak</td><td>10</td><td>Log</td><td>1</td><td></td></tr><tr><td>Pin Cherry</td><td>5</td><td>Log</td><td>1</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>5</td><td>Log</td><td>2</td><td></td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>25</td><td>Log</td><td>2</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	55	Log	3	27	White Oak	10	Log	1		Pin Cherry	5	Log	1		Bigtooth Aspen	5	Log	2		Black/Red (Hybrid) Oak	25	Log	2		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>White Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	Low	Variable	Variable	White Oak	Low	Variable	Variable									
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19	4310 - Pine, Oak Mix	Sawtimber Well	25.0	99	111-140	N/A	Oak logs with planted red pine logs and scattered white pine Poles, aspen/RM/JP as well as marked oak/RP were cut in 1997.																																																
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20	4130 - Aspen	Sapling Well	20.3	36	51-80	N/A	Aspen regenerated in 1989, already approaching pole size, left scattered R/W pine and oak when cut																																																
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21	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	17.9	96	81-110	N/A	CUT MARKED OAK IN 1994 (MOSTLY DEAD OAK), planting records indicate it was planted to red and jack pine in 1929, but is mostly oak and red pine now. Stand was thinned in Spring 2018 by removing all A/RM/JP and marked oak and R/W pine. Some Oak and pine regen has come back in pockets while others are mostly empty.																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
22	42110 - Planted Red Pine	Sapling Well	62.4	6	Immature	N/A	Clearcut in Spring 2018. Planted to red pine in 2019. Release sprayed aerially fall 2023. Saplings are doing well, release spray set back hardwoods.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Northern Pin Oak</td><td>10</td><td>Log</td><td>1</td><td>7</td></tr><tr><td>Pin Cherry</td><td>5</td><td>Log</td><td>1</td><td>7</td></tr><tr><td>Red Pine</td><td>85</td><td>Log</td><td>1</td><td>6</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Northern Pin Oak	10	Log	1	7	Pin Cherry	5	Log	1	7	Red Pine	85	Log	1	6																						
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23	42110 - Planted Red Pine	Sawtimber Well	16.1	101	111-140	N/A	CUT MARKED OAK(MOSTLY DEAD OAK) IN 1994. Stand is mostly red pine with a few white pine poles and oak logs, thinned in Spring 2018 and used as visual for cuts to the east and south																																										
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24	42110 - Planted Red Pine	Sapling Poor	12.6	2	Immature	N/A	Stand cut in 2020. Trenched 2021 and prep sprayed in 2022. Planted 5/2/23 to 865 TPA. 2023 regen check shows 99% FTG and 845 TPA.																																										
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25	4130 - Aspen	Sapling Poor	3.0	14	Immature	N/A	Aspen portion of a red pine stand that was final harvested in 2011 that then came back full aspen.																																										
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26	42110 - Planted Red Pine	Poletimber Well	10.5	100	111-140	N/A	Pole to log sized red pine plantation that was thinned in Spring 2018.																																										
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27	122 - Road/Parking Lot	None	7.4			No	M-18																																										
28	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Medium	42.6	19	1-50	N/A	Stand burned and was salvaged after the 2005 Boyce Lake Fire, Fairly equal mix planted red pine, natural jack pine, and natural oak regeneration, planted to red pine in 2006 there are also some scattered small A3 clones as well as some scattered oak poles and SL's which were left for mast and sangs when stand was salvaged																																										
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29	42110 - Planted Red Pine	Sawtimber Medium	17.3	101	81-110	N/A	Removed aspen and jack pine in 1988, thinned red pine and oak in 2009.																																															
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30	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	16.2	3	Immature	N/A	final harvested in Spring, 2018, left 2 retention islands on east edge and 2 retention islands on south end To be trenched/planted to red pine under FTP C71-999. Trenched in 2019 but not planted in 2020. Sprayed in Summer 2021. Planted 796 TPA spring 2022. Regen check fall 2022 called for release spray. 3 year regen check done fall 2024 showed 826 TPA 50% FTG with the main competition being white oak. TMS suggests leaving it as is and accepting some white oak in the stand.																																															
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31	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Well	8.0	100	141-170	N/A	Mix of red pine and oak with some white pine. Stand has decent understory of white pine and oak																																															
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White Oak	Low	Variable	Variable																																																			
32	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	23.9	32	1-50	N/A	Stand was cut in 1988 and planted in 1993, mostly jack pine but there are some rows and pockets of red pine mixed in																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Jack Pine</td><td>50</td><td>Log</td><td>2</td><td>32</td></tr><tr><td>Red Pine</td><td>30</td><td>Pole</td><td>3</td><td>32</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>16</td><td>Log</td><td>2</td><td>37</td></tr><tr><td>Pin Cherry</td><td>4</td><td>Log</td><td>1</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Jack Pine	50	Log	2	32	Red Pine	30	Pole	3	32	Black/Red (Hybrid) Oak	16	Log	2	37	Pin Cherry	4	Log	1																												
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Pin Cherry	4	Log	1																																																			
33	42210 - Natural Red Pine	Sawtimber Well	2.1	87	81-110	N/A	Thinned around 1990 and in 2020 down to 70 to 90 ba. decent understory of white pine and a mix of other species. Leave stand for now to develop from thinning in 2020.																																															
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Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
34	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling	Well	19.1	25	1-50	N/A	CUT 1998, TRENCHED 1999, HAND PLANTED TO RP IN 2000, fairly equal mix of planted red pine, natural jack pine, and natural oak regeneration, oak is both stump sprout and seedling origin					
									Canopy Species	% Cover	Size Class	DBH	Age
									Black/Red (Hybrid) Oak	20	Log	2	26
									Red Pine	40	Log	1	25
									White Oak	10	Log	1	26
									Jack Pine	30	Log	1	26
Sub-Canopy Species	Density	Avg. Height	Size										
Black/Red (Hybrid) Oak	Medium	Variable	Variable										
35	42111 - Planted Red Pine, Mixed Deciduous	Sapling	Medium	67.9	6	Immature	N/A	Cut Spring 2018, planted to red pine in 2019. Release sprayed fall 2023. Heavy presence of cherry brush in East half of stand but was set back some. West half of stand has little to no natural competition.					
									Canopy Species	% Cover	Size Class	DBH	Age
									Red Pine	60	Log	1	6
									Pin Cherry	35	Log	1	7
									Northern Pin Oak	5	Log	1	7
									Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	60	Log	1	6									
Pin Cherry	35	Log	1	7									
Northern Pin Oak	5	Log	1	7									
36	4126 - White, Black, N. Pin Oak	Sapling	Medium	19.2	7	Immature	N/A	Removed over-story in Spring 2018, stand is regenerating well to a mix of oak and pine with a few other species. There are some more open pockets where regen is minimal.					
									Canopy Species	% Cover	Size Class	DBH	Age
									Pin Cherry	10	Log	1	
									Black/Red (Hybrid) Oak	50	Log	1	7
									White Oak	25	Log	1	7
									Red Pine	10	Log	1	
Jack Pine	5	Log	1										
37	4122 - Oak, Pine	Sawtimber	Well	30.4	100	81-110	N/A	Oak/pine stand with flat to rolling terrain except for the north end which has a few steeper slopes. Two-aged stand with oak and pine saw logs and red pine saplings and poles. Larger red pine was planted in 1925. Understory is doing well. Some mortality in the oak.					
									Canopy Species	% Cover	Size Class	DBH	Age
									White Oak	15		12	100
									Black/Red (Hybrid) Oak	45		14	100
									White Pine	2	Seedling	6	
									Red Pine	38	Seedling	6	52
Sub-Canopy Species	Density	Avg. Height	Size										
Black/Red (Hybrid) Oak	Low	Variable	Variable										
White Pine	Low	Variable	Variable										
Red Pine	High	>20 feet	>20 feet										
38	4199 - Other Mixed Upland Deciduous	Sapling	Medium	28.4	27	Immature	N/A	cut in 1998 and not planted, fairly equal mix of oak and upland brush with scattered red and jack pine					
									Canopy Species	% Cover	Size Class	DBH	Age
									Serviceberry (Juneberry)	18	Log	1	
									Black/Red (Hybrid) Oak	28	Log	1	27
									Jack Pine	4	Log	2	
									White Oak	24	Log	1	27
Pin Cherry	20	Log	1										
Red Pine	6	Log	2										
Sub-Canopy Species	Density	Avg. Height	Size										
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet										

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
39	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Medium	17.8	59	1-50	N/A	Stand consists of an over-story of pine and oak with jack pine and oak regeneration in the under-story; fairly open grown stand with not much merchantable basal area, multi-aged with oak being removed in 1994 and parts having the jack pine removed in 1990, may have burned in the 1960's with the jack pine stand to the east and north to re-start the jack pine.																																																	
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40	3102 - Grass	None	5.8			Yes	MAINTAINED OPENING, SCATTERED R/J POLES AND OAK SAPS, ALSO SCATTERED PIN CHERRY																																																	
41	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	29.6	100	111-140	N/A	Red pine with oak, jack pine, and red pine saplings well developed in the understory from jack pine removal in 1990 and oak salvage in 1994.																																																	
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42	42220 - Natural Jack Pine	Poletimber Well	1.6	35	1-50	N/A	Small pole sized Jack pine stand that was roller chopped in the past and regenerated naturally.																																																	
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43	42290 - Natural Mixed Pine	Sapling Well	3.5	84	51-80	N/A	Stand consists of large/mature red pine with an understory of jack pine, oak, and white pine; stand is long and narrow with a steep sided bowl on the north end. All jack pine was removed in 1990 and then all oak was salvaged in 1994. Hold until next entry to allow regen to develop further.																																																	
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44	42250 - Pine, Oak	Poletimber Well	35.8	55	111-140	N/A	Pine oak mix with rolling terrain with a few steep bowls and gullies. Stand is variable with saw sized oak and pine and a heavy understory of pole to sapling sized white pine with a mix of other species. Also a decent amount of older red pine in pockets, which are likely remnants of plantings in 1924. Some mortality in the oak, but doing well overall. Multiple unmapped two tracks run through stand.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
45	4130 - Aspen	Poletimber Well	11.1	37	51-80	N/A	Pole sized aspen stand regenerated in 1988																																																									
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46	4122 - Oak, Pine	Sawtimber Well	38.6	101	81-110	N/A	mix of mostly oak with some pine, oak ranges from poor to decent quality with best oak on the east portion of the stand, east side is mostly oak with a few pine and the west side is more of an oak/pine mix, scattered clones of mature and over-mature aspen, terrain is rolling with a few steeper bowls, thinned spring 2018 by removing A/RM/JP and marked oak/pine. Some mortality in the oak, but overall it is doing well.																																																									
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swamp conifers with heavy understory of balsam fir thru-out most of the stand, wet and not operable plus there is a steep slope to even access the stand																																																																

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
49	4126 - White, Black, N. Pin Oak	Sawtimber Medium	10.7	96	81-110	N/A	Oak /red maple ridge with a few wet depressions on the edges. Understory is open in some areas and a mix of balsam fir and white pine in others. No good access without blowing a road thru nice aspen stand to the north.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	20		13	96	Balsam Fir	Medium		Variable	Variable
White Oak	40		19	96	White Pine	Medium		Variable	Variable
Balsam Fir	10	Seedling	5		Red Maple	Low		Variable	Variable
White Pine	10	Seedling	6						
Black/Red (Hybrid) Oak	20		21	96					
50	42110 - Planted Red Pine	Sawtimber Medium	0.6	98	111-140	N/A	Red pine planted in 1927, removed aspen and jack pine in 1988/89. Red pine is saw and pole sized with some saplings in the understory with a mix of oak saplings.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Oak	10	Seedling	8		Jack Pine	Low		10 - 20 feet	10 - 20 feet
Red Pine	85		12	98	Black/Red (Hybrid) Oak	Medium		10 - 20 feet	10 - 20 feet
White Pine	5	Seedling	7		Pin Cherry	Low		< 5 feet	< 5 feet
				Red Maple	Trace	Variable		Variable	
				White Oak	Medium	10 - 20 feet		10 - 20 feet	
				Red Pine	Low	Variable	Variable		
51	122 - Road/Parking Lot	None	4.0			No			
52	4130 - Aspen	Sapling Well	15.1	35	81-110	N/A	Aspen stand cut in 1990, growing well with most of the stand being pole sized. Stand is a peninsula of high ground sticking out into the swamp, with some rolling terrain.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	70	Sapling	7	35	Red Maple	Low		Variable	Variable
Red Maple	15	Sapling	6	35	Black/Red (Hybrid) Oak	Low		Variable	Variable
Black/Red (Hybrid) Oak	10	Log	2	35	White Oak	Low		Variable	Variable
White Oak	5	Log	1	35					
53	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	20.4	98		N/A	Lowland conifer swamp with scattered hardwoods, fairly open under-story except for the gaps which have heavy balsam fir saplings, steep bank to access the stand and stand is fairly wet. South and West edges along the wetland are a bit heavier to hardwoods.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	2		22		Balsam Fir	Low		Variable	Variable
Red Maple	15		9						
Northern White Cedar	45	Seedling	7	98					
Black Spruce	25		9	98					
White Pine	8		20						
Balsam Fir	5	Seedling	7						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
54	4126 - White, Black, N. Pin Oak	Sawtimber Well	7.3	101	81-110	N/A	Flat to slightly rolling terrain with a steep bowl on the south end, fair to decent quality red, black, and white oak with scattered red maple and white pine, east end has more R/W pine poles/saplings.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	2	Seedling	6		Witch Hazel	Low		5 - 10 feet	5 - 10 feet
Red Oak	20		13	101	White Pine	Low		Variable	Variable
White Oak	20		11	101	Red Maple	Medium		Variable	Variable
Red Pine	4		13		Red Pine	Low		Variable	Variable
Bigtooth Aspen	2		13						
Red Maple	20	Seedling	6						
White Pine	12	Seedling	7						
Black/Red (Hybrid) Oak	20		13						
55	4122 - Oak, Pine	Sawtimber Medium	61.7	101	1-50	N/A	40% crown closure cut in 1998 where they cut all A/M/J and marked oak and R/W pine to cut. Stand is now a somewhat lighter overstory of oak, maple, and pine with a well developed understory of oak and pine with a mix of other species. Some mortality in the overstory hybrid oak.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black/Red (Hybrid) Oak	50		16	101	Bigtooth Aspen	Low		Variable	Variable
Red Pine	20		11		Jack Pine	Low		Variable	Variable
White Pine	15		9		Pin Cherry	Low		Variable	Variable
White Oak	15		15	101	White Pine	Low		Variable	Variable
					Red Pine	Low		Variable	Variable
					Black/Red (Hybrid) Oak	Medium		Variable	Variable
					Witch Hazel	Medium		5 - 10 feet	5 - 10 feet
					Red Maple	Medium		Variable	Variable
					White Oak	Medium	Variable	Variable	
56	310 - Herbaceous Openland	None	4.1			No	Grassy bowl with scattered pin cherry, pine, and oak saplings. Previous rdr site where illegal orv trails were blocked, with minimal new activity.		
57	3102 - Grass	None	1.4			No	Open grassy bowl. Previous rdr site where illegal orv trails were blocked, with minimal new activity.		
58	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	23.9	28	1-50	N/A	Regenerated with cut in 1990, bare spots were seeded to jack pine in 1997 with mixed results. Trees are almost pole-sized and are a mix of oak, jack pine, and other species.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	5	Sapling	7		Red Maple	Low		Variable	Variable
Jack Pine	35	Log	2	28	Jack Pine	Low		Variable	Variable
White Oak	15	Log	1	35					
Black/Red (Hybrid) Oak	30	Log	1	35					
Pin Cherry	5	Log	2						
Red Maple	10	Pole	3	35					

Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
59	42110 - Planted Red Pine	Sawtimber Well			36.9	100	81-110	N/A	Planted in 1924/1927, removed aspen and jack pine in 1988/89. Stand thinned in Spring 2018, understory is coming back nicely to oak and a mix of other species.																																																	
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60	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium			6.2	36	51-80	N/A	R/J pine planted in 1924, removed aspen and jack pine in 1988/89, now regenerating to hardwoods with scattered R/W pine SL's, occasional areas of all hardwoods and no pine which have little to no BA in merch timber yet																																																	
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61	4130 - Aspen	Sapling Well			8.7	35	51-80	N/A	Young aspen stand that is coming into the pole size class. Some pockets of oak and maple scattered around.																																																	
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62	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Medium			3.2	28	1-50	N/A	Cut in 1990 with the A3 stand to the south, machine seeded jack pine with Stand 15 in 1997; mix of jack pine and oak saplings which are interspersed with pole size red pine																																																	
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63	122 - Road/Parking Lot	None			0.8			No	ORV Trailhead / Parking Lot																																																	
64	42110 - Planted Red Pine	Sawtimber Well			8.6	98	111-140	N/A	Red pine planted in 1927, removed aspen and jack pine in 1988/89. Red pine is saw and pole sized with some saplings in the understory with a mix of oak saplings.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
65	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	38.3	28	1-50	N/A	Cut 1990, TRENCHED/SEEDED IN 1997. Natural competition has taken over through the years, with stand being mostly oak and jack pine with a mix of other species. Stand is still mostly immature.																																																		
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Jack Pine	Low	Variable	Variable																																																						
66	42210 - Natural Red Pine	Sawtimber Medium	11.6	97	1-50	N/A	Removed all species in 2020 except for red pine pines marked. Left 30-40 average basal area and left all oak 5 inches and less. Regen is very patchy, with large pockets of little to nothing above ankle high.																																																		
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>100</td><td></td><td>12</td><td>97</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	100		12	97	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Low</td><td>10 - 20 feet</td><td>10 - 20 feet</td></tr><tr><td>Northern Pin Oak</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Pin Cherry</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	10 - 20 feet	10 - 20 feet	Northern Pin Oak	High	Variable	Variable	Pin Cherry	Medium	Variable	Variable																									
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67	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	28.5	21	1-50	N/A	Red pine plantation with heavy competition from other species. The red pine seems to be holding its own and tops other species in most spots. May eventually end up a mixed stand in the future.																																																		
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68	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	44.6	22	Immature	N/A	Jack pine plantation established in 2003. Has a lot of competition from oak and cherry. Will be mixed stand in future.																																																		
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69	42220 - Natural Jack Pine	Poletimber Well	27.0	35	1-50	N/A	Small pole sized Jack pine stand that was roller chopped in the past and regenerated naturally.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
76	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	2.5	22	Immature	N/A	Jack pine plantation established in 2003. Has a lot of competition from oak and cherry. Will be mixed stand in future.																																														
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77	4130 - Aspen	Sapling Well	2.6	35	81-110	N/A	Nice aspen stand with vey little in the way of other species mixed in.																																														
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78	6229 - Mixed Lowland Shrub	None	24.5			No																																															
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79	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	1.1	21	1-50	N/A	Red pine plantation with heavy competition from other species. The red pine seems to be holding its own and tops other species in most spots. May eventually end up a mixed stand in the future.																																														
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80	4130 - Aspen	Poletimber Well	7.0	59	81-110	N/A	Older somewhat lower quality aspen stand with a mix of oak and pine.																																														
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81	4130 - Aspen	Sapling Well	4.6	13	Immature	N/A	Sale completed in the spring 2012.																																														
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82	429 - Mixed Upland Conifers	Sawtimber Medium			3.4	88	81-110	N/A	Currently a mixed stand that has a ridge running north/south. The east half is higher and was treated in the past. It slopes down to the west into wetter soils. This is where most of the maple and fir are. Oak/pine is on the high ground. Moderate understory of pine and fir with a mix of other species.																																																									
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83	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium			15.6	93	81-110	N/A	Cedar is all on north tip and has full understory of balsam the rest in black spruce with alder understory.																																																									
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84	4131 - Aspen, Oak	Sapling Well			15.6	17	Immature	N/A	Stand cut in 2008 leaving heavy retention along snowmobile trail. A decent amount of log sized red pine was also left. Stand is filling in well now.																																																									
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85	4199 - Other Mixed Upland Deciduous	Sawtimber Medium			26.2	101	51-80	N/A	Stand slopes down into the marsh to the southeast. Mature oak that was thinned in the fall of 2022. Took all aspen and thinned remaining species. Some signs of pocket oak mortality found when thinning so created some buffers when cutting to slow potential oak wilt spread.																																																									
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Red Maple	Low	10 - 20 feet	10 - 20 feet																																																															

Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
86	4122 - Oak, Pine	Sapling Well			37.1	23	Immature	N/A	There is about a 10 basal area of residual saw-sized overstory left post-harvest. Species range from white oak to both red and white pine. They are not affecting the understory regeneration so should be left for visual. Site was slated to be burnt but was dropped. Site is regenerating well on it's own.																																																							
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Oak (spp.)	Full	< 5 feet	< 5 feet																																																													
87	6224 - Treed Bog	None			7.0			No	Leatherleaf bog with a small island at the northern end of spruce and tamarack.																																																							
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88	42220 - Natural Jack Pine	Sapling Well			20.7	35	1-50	N/A	roller chopped jack pine stand with pockets of aspen along fringe.																																																							
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89	42210 - Natural Red Pine	Sawtimber Well			9.8	87	81-110	N/A	Natural red pine with some oak, maple, aspen and other pine mixed in. The oak is starting to die off. Understory is mostly balsam fir and white pine focused in pockets, some areas are pretty open.																																																							
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90	4130 - Aspen	Sapling Well			13.0	5	Immature	N/A	Stand was harvested in late spring of 2020 and is coming back to a fully stocked aspen stand. There are a few open pockets here and there that should eventually fill in.																																																							
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91	4191 - Mixed Upland Deciduous with Conifer	Sapling Well		25.5	17	Immature	N/A	Part of Duck Lake Pine cut in 2008. Stand is coming back well to a mix of jack pine, oak, and aspen.																																																																								
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92	42210 - Natural Red Pine	Sawtimber Medium		2.4	97	1-50	N/A	Removed all species in 2020 except for red pine pines marked. Left 30-40 average basal area and left all oak 5 inches and less. Regen is very patchy, with large pockets of little to nothing above ankle high.																																																																								
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93	4131 - Aspen, Oak	Sapling Medium		7.7	14	Immature	N/A	Steep sloped stand leading into a marsh. It is revegetating back to aspen from a previous harvest.																																																																								
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94	4125 - Black, N. Pin Oak	Poletimber Medium		12.9	47	81-110	N/A	Old fire - May have been salvaged. Mostly oak stump sprouts of poorer quality. Sparser on the east side. West side has some aspen understory. Hold for another entry to put on growth and allow understory to develop further.																																																																								
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95	622 - Lowland Shrub	None		72.8			No																																																																									
96	500 - Water	None		62.8			No	Duck Lake																																																																								
97	622 - Lowland Shrub	None		7.7			No	Lowland shrub drainage coming into duck lake																																																																								

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
98	6120 - Lowland Cedar	Sawtimber Well	22.0	99	171-200	N/A	Smaller diameter cedar with a dense fir understory. The outer perimeter is higher basal area. The sparser center contains more blowdown with a flowing stream running the length of the stand. There are numerous side seeps also coupled with the stream eliminates any salvage operations. Heavy deer sign.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Northern White Cedar	65		9	99	Red Maple	Low		5 - 10 feet	5 - 10 feet
Balsam Poplar	1	Seedling	8		Balsam Fir	Full		Variable	Variable
Paper Birch	5	Seedling	8						
Red Maple	1	Seedling	6						
Black Spruce	8		7						
Balsam Fir	20	Seedling	6						
99	42220 - Natural Jack Pine	Poletimber Well	48.2	48	81-110	N/A	Dense natural regeneration of jack pine of smaller diameter with numerous sapling sizes in the overstory.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	12	Seedling	7		Pin Cherry	Low		5 - 10 feet	5 - 10 feet
Jack Pine	85		6	48					
Northern Pin Oak	3	Seedling	6						
100	42210 - Natural Red Pine	Sawtimber Medium	11.6	89	81-110	N/A	Stand treated in 2020. Removed all the oak and jack pine. Marked the residual red pine to 70 basal area average. Place a retention island around the campsite on west half.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	99		13	89	Northern Pin Oak	Low		5 - 10 feet	5 - 10 feet
White Oak	1		11		Red Pine	Low		5 - 10 feet	5 - 10 feet
					Balsam Fir	Medium		5 - 10 feet	5 - 10 feet
					White Pine	Low		Variable	Variable
101	42120 - Planted Jack Pine	Sapling Well	49.3	22	Immature	N/A			
Canopy Species	% Cover	Size Class	DBH	Age					
Jack Pine	93	Log	3	22					
Pin Cherry	2	Log	3						
Northern Pin Oak	5	Log	3						
102	42110 - Planted Red Pine	Sapling Poor	43.6	5	Immature	N/A	Young red pine stand that is doing well, little to no natural competition currently.Trenched in Spring 2021. Site prep sprayed 2022. Planted 5/2/23 to 658 TPA. 2023 regen check shows 97% FTG and 808 FTG.		
Canopy Species	% Cover	Size Class	DBH	Age					
Red Pine	100	Log	1	5					
103	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	1.9	91	81-110	N/A	Inaccessible island surrounded by marsh.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	48		10	91	Red Maple	Medium		Variable	Variable
White Pine	24		12		White Pine	Low		Variable	Variable
Red Pine	3		14						
Northern Pin Oak	25		14						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
104	4310 - Pine, Oak Mix	Sawtimber Well	0.9	100	81-110	N/A	Small mixed stand of pine and oak. Stand is a high hump surrounded by wetland.																																																		
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White Pine	Medium	Variable	Variable																																																						
105	4310 - Pine, Oak Mix	Sawtimber Well	11.9	108	111-140	N/A	Was treated in the fall 2020. Removed all aspen, jack pine, and oak. Marked scattered oak and pine to leave. Very limited regen has come back since harvest, extend monitoring treatment.																																																		
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White Oak	8		12																																																						
Red Pine	27		14																																																						
White Pine	15		10																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
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Red Pine	Low	Variable	Variable																																																						
106	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	2.9	28	1-50	N/A	Cut 1990, TRENCHED/SEEDED IN 1997. Natural competition has taken over through the years, with stand being mostly oak and jack pine with a mix of other species. Stand is still mostly immature.																																																		
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>20</td><td>Pole</td><td>2</td><td>35</td></tr><tr><td>Red Pine</td><td>15</td><td></td><td>9</td><td></td></tr><tr><td>Jack Pine</td><td>50</td><td>Pole</td><td>2</td><td>28</td></tr><tr><td>White Pine</td><td>5</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>White Oak</td><td>5</td><td>Log</td><td>1</td><td>35</td></tr><tr><td>Balsam Fir</td><td>5</td><td>Seedling</td><td>7</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Black/Red (Hybrid) Oak	20	Pole	2	35	Red Pine	15		9		Jack Pine	50	Pole	2	28	White Pine	5	Seedling	7		White Oak	5	Log	1	35	Balsam Fir	5	Seedling	7		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black/Red (Hybrid) Oak</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Jack Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>White Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Black/Red (Hybrid) Oak	Medium	Variable	Variable	Jack Pine	Low	Variable	Variable	White Oak	Low	Variable	Variable
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White Oak	Low	Variable	Variable																																																						
107	42210 - Natural Red Pine	Sapling Poor	8.1	6	Immature	N/A	Stand was treated in 2019 as a red pine seed tree. Regen is starting to come back mostly in clumps of red maple stump sprouts and red pine from seed. Some areas are more open. Stand should reach at least moderate stocking by next entry, with some denser and some more open pockets.																																																		
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>25</td><td></td><td>12</td><td>104</td></tr><tr><td>White Pine</td><td>10</td><td>Log</td><td>1</td><td>6</td></tr><tr><td>Red Maple</td><td>30</td><td>Log</td><td>1</td><td>6</td></tr><tr><td>Red Pine</td><td>35</td><td>Log</td><td>1</td><td>6</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	25		12	104	White Pine	10	Log	1	6	Red Maple	30	Log	1	6	Red Pine	35	Log	1	6																														
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108	4130 - Aspen	Sapling Medium	4.1	14	Immature	N/A																																																			
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109	622 - Lowland Shrub	None	1.2			No	Lowland bog with a pocket of trees on the east side that is still in wet soils, that is why they were not cut in adjacent treatment.																																																		
		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Medium</td><td>>20 feet</td><td>>20 feet</td></tr></table>				Sub-Canopy Species		Density	Avg. Height	Size	Red Maple	Medium	>20 feet	>20 feet																																											
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110	4130 - Aspen	Sapling Poor	1.3	14	Immature	N/A																																																								
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111	6221 - Fen	None	15.3			No																																																								
112	42210 - Natural Red Pine	Sawtimber Well	5.2	134	81-110	N/A	Small stand of large red pine with a mid-canopy and understory of white pine. A harvest would likely do more damage than good. Understory is doing well by itself, leave stand develop naturally.																																																							
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113	6233 - Wet Meadow	None	11.6			No																																																								
114	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	14.2	61	81-110	N/A	Mix of aspen and maple with some pine and oak. Understory story has well stocking of white pine and maple. Hold for another entry to allow regen to develop further, then consider taking off the overstory.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>29</td><td>Sapling</td><td>6</td><td></td></tr><tr><td>White Oak</td><td>9</td><td></td><td>12</td><td></td></tr><tr><td>Northern Pin Oak</td><td>4</td><td></td><td>10</td><td></td></tr><tr><td>Red Pine</td><td>7</td><td></td><td>14</td><td></td></tr><tr><td>White Pine</td><td>19</td><td>Sapling</td><td>7</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>32</td><td></td><td>8</td><td>61</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	29	Sapling	6		White Oak	9		12		Northern Pin Oak	4		10		Red Pine	7		14		White Pine	19	Sapling	7		Bigtooth Aspen	32		8	61	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>High</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Northern Pin Oak</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Pin Cherry</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Variable	Red Maple	High	>20 feet	>20 feet	Northern Pin Oak	Low	Variable	Variable	Pin Cherry	Low	5 - 10 feet	5 - 10 feet	
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115	42210 - Natural Red Pine	Sawtimber Well	9.6	81	81-110	N/A	Red pine was thinned around 2008. The oak and red maple in the mid-canopy is poor quality. White pine regen starting to show up in pockets, especially along the stand edges.																																																							
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116	42110 - Planted Red Pine	Sapling Poor	12.4	5	Immature	N/A	Stand roller chopped fall 2021, trenched and site prep sprayed 2022. Planted 5/1/23 to 966 TPA. 2023 regen check shows 100% FTG and 956 TPA.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>100</td><td>Log</td><td>1</td><td>5</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100	Log	1	5																																																		
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117	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor			5.4	68	1-50	N/A	Oak overstory is poor quality stump sprouted oaks. Evidence of decline in some of the oaks. The understory has a fair amount of jack pine coming in mixed with some maple, cherry, and red pine. There are some oak seedlings. Allow oak to go till reaches rotation age and remove. This will give more time for the pine to fill in.																																																															
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Pin Cherry</td><td>4</td><td>Log</td><td>1</td><td></td></tr><tr><td>Red Pine</td><td>1</td><td>Log</td><td>1</td><td></td></tr><tr><td>Northern Pin Oak</td><td>52</td><td></td><td>9</td><td>68</td></tr><tr><td>Red Maple</td><td>13</td><td>Log</td><td>2</td><td></td></tr></table>					Canopy Species	% Cover	Size Class	DBH		Age	Pin Cherry	4	Log	1		Red Pine	1	Log	1		Northern Pin Oak	52		9	68	Red Maple	13	Log	2		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Jack Pine</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Oak (spp.)</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	< 5 feet	< 5 feet	Oak (spp.)	Low	< 5 feet	< 5 feet																										
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118	6112 - Lowland Aspen	Sapling Medium			6.2	36	1-50	N/A	Lowland aspen stand with scattered white and jack pine with an understory of tag alder in places. Stand is more open and hummocky than the stand to the north.																																																															
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119	4139 - Aspen, Mixed Deciduous	Sapling Well			6.3	36	1-50	N/A	Lower quality aspen stand. The outer fringes has oak and pine grading into maple. The north end has the largest aspen and corresponding highest ground. Several sparse areas.																																																															
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120	6224 - Treed Bog	None			2.4			No																																																																
121	6224 - Treed Bog	None			2.2			No																																																																
124	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well			2.0	101	81-110	N/A	Mix of mostly oak with some pine that is a bit more open, oak ranges from poor to decent quality. Terrain is a steep bowl																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
125	4125 - Black, N. Pin Oak	Sawtimber Medium	6.1	101	51-80	N/A	Inter-planted to red pine in 1924, cut in 2008 for aspen/hardwood regeneration. Stand has regenerated to moderate stocking of oak and aspen with a mix of other species. Some areas are more open with limited regen.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	15		10	101	White Pine	Low		5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	60		14	101	Black/Red (Hybrid) Oak	Low		< 5 feet	< 5 feet
White Pine	10	Seedling	5		Red Pine	Low		5 - 10 feet	5 - 10 feet
White Oak	15		14		Bigtooth Aspen	Medium		5 - 10 feet	5 - 10 feet
					White Oak	Medium		5 - 10 feet	5 - 10 feet
126	4310 - Pine, Oak Mix	Sawtimber Well	8.6	100	111-140	N/A	East part of the stand burned in the Boyce Lake Fire in 2005, mostly black oak, white oak, and red pine as white pine and jack pine were eliminated from the stand due to the fire, lots of catface oak in the fire areas of the stand, part south of Duck Lake Road (especially the unburned part) is heavier to red pine, lots of illegal firewood cutting in this stand, recommend final harvesting all or part of the stand due to age/condition of oak and age of the red pine, plant red pine and manage for a mixed oak and pine stand, no retention in the fire area of the stand but leave at least two 1/2 - 1 acre retention island along Duck Lake Road and on hill on the east edge of the stand, these will also function for visual		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	5	Seedling	6		White Oak	High		< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	30		12	84	Red Pine	Trace		Variable	Variable
White Oak	20		10		White Pine	Low		Variable	Variable
Red Pine	45		11	100	Black/Red (Hybrid) Oak	Low		< 5 feet	< 5 feet
127	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	5.9	101	111-140	N/A	CUT MARKED OAK (MOSTLY DEAD OAK) IN 1994, Red pine stand with a good amount of oak logs. Narrow gauge RR grade running parallel to M-18 through west part of stand. Thinned in Spring 2018 and left for visual to screen cut to the east.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black/Red (Hybrid) Oak	10		14		Pin Cherry	Low		5 - 10 feet	5 - 10 feet
Red Pine	80		12	101	Red Pine	Low		Variable	Variable
White Oak	10		14		Hawthorn (spp.)	Low		5 - 10 feet	5 - 10 feet
128	42110 - Planted Red Pine	Sawtimber Well	5.9	100	111-140	N/A	CUT MARKED OAK (MOSTLY DEAD OAK) IN 1994, planted in 1924,1925,1927; mix of R/J/W pine and B/W oak, majority of RP is just reaching small SL size but there are scattered XL RP also; oaks are poor quality SL's and are declining; thinned in Spring 2018 and used as visual for cut to the south		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	75		12	100	Black/Red (Hybrid) Oak	Medium		Variable	Variable
Black/Red (Hybrid) Oak	5		15	100	White Pine	Low		Variable	Variable
White Oak	5		13		Red Pine	Low		Variable	Variable
White Pine	15	Seedling	6		White Oak	Low		Variable	Variable
129	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	13.6	100	141-170	N/A	CUT MARKED OAK (MOSTLY DEAD OAK) IN 1994, planted in 1924,1925,1927; mix of R/J/W pine and B/W oak, majority of RP is just reaching small SL size but there are scattered XL RP also; oaks are poor quality SL's		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	60		10	100	White Oak	Low		Variable	Variable
White Oak	2		13		Black/Red (Hybrid) Oak	Low		Variable	Variable
Black/Red (Hybrid) Oak	23		15	100	Red Pine	Low		Variable	Variable