



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: 6/10/2025
Map Phase: Web Post



0 0.5 1 Miles

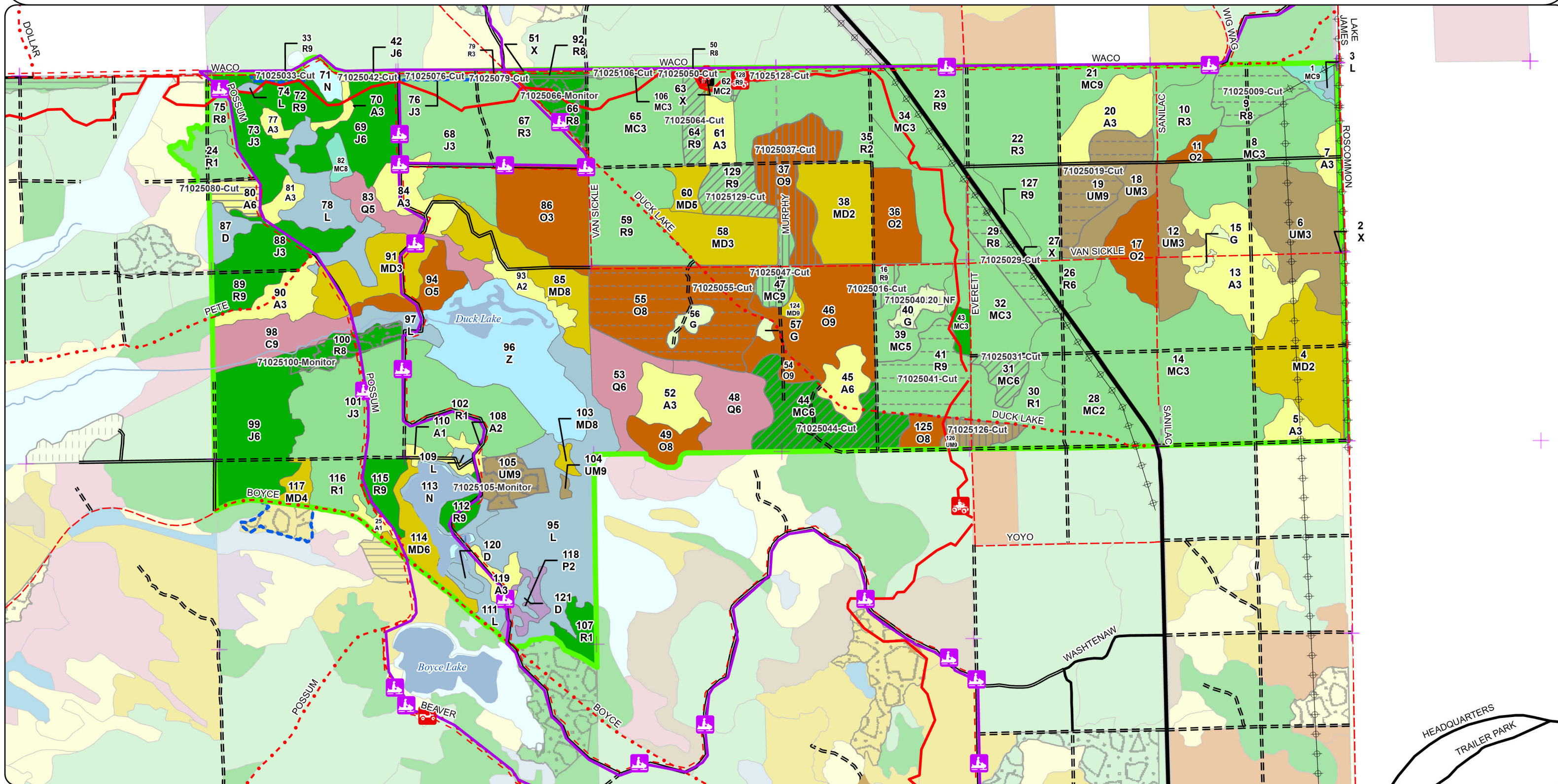
- Remonumented Section Corners
- Berms
- Culvert
- Parking Lot
- Sign
- Trailhead
- Designated ORV Routes
- Designated Snowmobile Trails

- 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
- Lakes and Rivers
- Counties
- Powerline
- Compartment Boundary
- Clearcut
- Shelterwood
- Thinning
- Overstory Removal

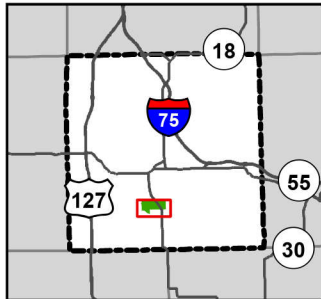
- Openings Mgmt.
- Monitoring - Regeneration
- Treatments with Site Conditions
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers

- 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
Unit: Roscommon
Mgmt. Area: High Sand Plains
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Map Phase: Web Post



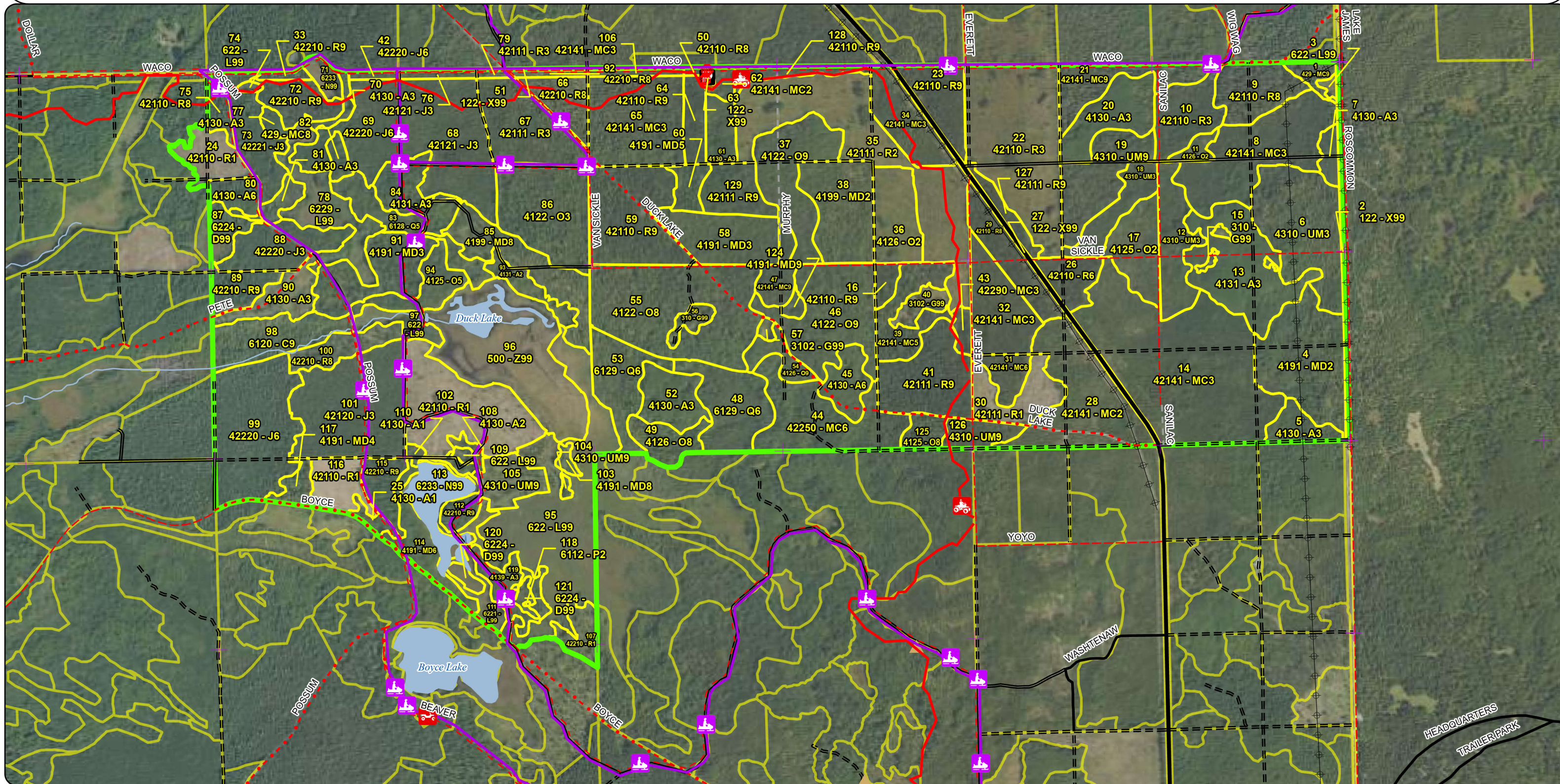
0 0.5 1 Miles

- Remonumented Section Corners
- 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

- Lakes and Rivers
- Counties
- Powerline
- Compartment Boundary

- 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



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
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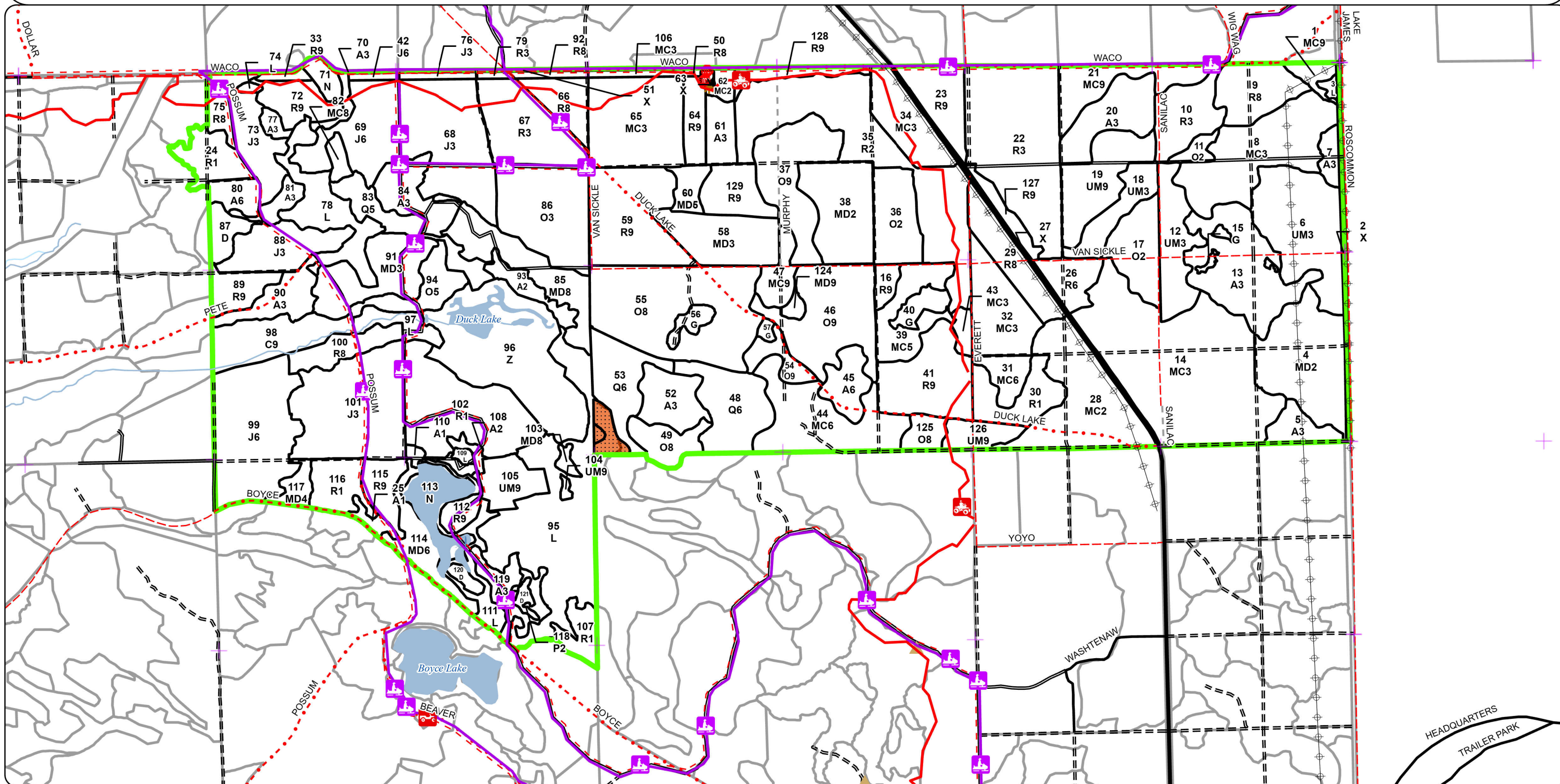


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- Remunemented Section Corners
- Berms
- Culvert
- Parking Lot
- Sign
- Trailhead

- 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
- Lakes and Rivers
- Counties
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- 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+	Uneven-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 - 391
Harvests with Site Condition - 10
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	0	0	103
Total	296	0	0	0	0	0	136	0	6	438



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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Proposed Treatments:

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											
19	71025019-Cut	25.0	4310 - Pine, Oak Mix	9	99	111- 140	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Overstory removal, cut everything 4 inches and up to release existing understory of oak, aspen, and a mix of other species. Add regen <u>Specs:</u> protection and oak wilt specs. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate to full stocking of oak and aspen with a mix of other species. <u>Regen:</u> <u>Other</u> If natural regen fails trench and plant to red pine with full suite of tools. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
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 existing pine and oak regen. <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											



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

16 71025016-Cut 4.1 42110 - Planted Red Pine 9 101 81-110 Harvest Shelterwood 4122 - Oak, Pine Planting Record No

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: 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

37 71025037-Cut 30.4 4122 - Oak, Pine 9 100 81-110 Harvest Shelterwood 4310 - Pine, Oak Mix Planting Record No

Prescription Shelterwood thinning down to 50 to 70 BA to release existing understory of red pine and oak. Focus on removing poor formed and
Specs: suppressed trees. Add residual and regen protection specs. Add oak wilt spec.

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

Acceptable Moderate to full stocking of red pine and oak with a mix of other species. Expect some open pockets with lower regen density.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

40 71025040.20_ NF 5.6 3102 - Grass 99 NonForestMgt Openings Mgmt. 310 - Herbaceous Openland Previous Inventory No

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Denton Creek Field 19.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 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

Prescription Overstory removal with retention. Cut everything 4 inches and up to release existing understory of natural red pine, oak, and a mix of other
Specs: species. Add residual and regen protection, oak wilt, and orv specs.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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										
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										
9 71025009-Cut	18.6	42110 - Planted Red Pine	8	100	81-110	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 oak and pine regen. Add regen <u>Specs:</u> protection, oak wilt, and snowmobile/orv specs. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <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										
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										

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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
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										
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										
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</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
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 <u>Specs:</u> 2020. <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										

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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
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 <u>Specs:</u> is currently very sparse. May have to accept lower stocking levels. reassess during next entry. <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										
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 <u>Specs:</u> suppressed trees. Leave most white oak and white pine but cut where required for operability. Add regen and residual protection, oak wilt, and orv specs. <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</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
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 protection and oak wilt specs. <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										

Approved Treatments:

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> <u>Treatments:</u> <u>Acceptable</u> Converting to non-forested for utility line. <u>Regen:</u>										



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

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2024

33	71025033-Cut	1.7	42210 - Natural Red Pine	9	87	81-110	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
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Prescription Cut all trees 1" and larger

Specs:

Next Step

Treatments:

Acceptable None. Converting to non-forested for utility line

Regen:

Other

Comment:

Site Condition: Age-Class or Site Quality

Proposed Start Date: 10/01/2024

69	71025042-Cut	1.9	42220 - Natural Jack Pine	6	35	1-50	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
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Prescription Cut all trees 1 inch DBH and larger.

Specs:

Next Step

Treatments:

Acceptable No regeneration desired. Converting to non-forested.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2024

76	71025076-Cut	2.4	42121 - Planted Jack Pine, Mixed Deciduous	3	22	Immature	Harvest	Clearcut	310 - Herbaceous Openland	Previous Inventory	No
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Prescription Clearcut with a 1" spec

Specs:

Next Step

Treatments:

Acceptable Converting to non-forested for utility line

Regen:

Other

Comment:

Site Condition: Long-Term Retention

Proposed Start Date: 10/01/2024



Standard

	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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> <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											
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> <u>Treatments:</u> <u>Acceptable</u> Converting to non-forested for utility line. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024											
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> <u>Treatments:</u> <u>Acceptable</u> None. Convert to non-forest <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024											



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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> <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> Age-Class or Site Quality <u>Proposed Start Date:</u> 10/01/2026										

Total Treatment 335.1
Acreage Proposed:



Availability for Management

Total Acres Acres Available Acres With Condition Acres Not Available

Dominant Site Conditions

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		
15	15	0	0	Urban							
63	63	0	0	Water							
2,080	1,818	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



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

Roscommon Mgt. Unit
Dakota Ewald: Examiner

Compartment: 25
Year of Entry: 2027



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>White Pine</td><td>38</td><td></td><td>20</td><td>101</td></tr><tr><td>Jack Pine</td><td>1</td><td></td><td>10</td><td></td></tr><tr><td>Red Oak</td><td>10</td><td></td><td>16</td><td>101</td></tr><tr><td>White Oak</td><td>2</td><td></td><td>15</td><td>101</td></tr><tr><td>Balsam Fir</td><td>8</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Red Pine</td><td>15</td><td></td><td>17</td><td>101</td></tr><tr><td>Red Maple</td><td>25</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>1</td><td></td><td>8</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	38		20	101	Jack Pine	1		10		Red Oak	10		16	101	White Oak	2		15	101	Balsam Fir	8	Seedling	7		Red Pine	15		17	101	Red Maple	25	Seedling	6		Bigtooth Aspen	1		8		<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
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White Pine	High	Variable	Variable																																																														
Balsam Fir	Medium	Variable	Variable																																																														
Red Maple	Low	Variable	Variable																																																														
2	122 - Road/Parking Lot	Unspecifed	5.6			No	Roscommon rd and powerline row																																																										
3	622 - Lowland Shrub	Unspecifed	1.2			No	lowland brush, burned in the 2005 Boyce Lake Fire																																																										
4	4191 - Mixed Upland Deciduouus 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>White Oak</td><td>2</td><td></td><td>15</td><td>99</td></tr><tr><td>White Oak</td><td>5</td><td>Log</td><td>1</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>Bigtooth Aspen</td><td>25</td><td>Log</td><td>1</td><td>20</td></tr><tr><td>Red Pine</td><td>10</td><td></td><td>15</td><td>99</td></tr><tr><td>Black/Red (Hybrid) Oak</td><td>3</td><td></td><td>16</td><td>99</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><tr><td>White Pine</td><td>5</td><td>Log</td><td>1</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Oak	2		15	99	White Oak	5	Log	1	20	Red Maple	5	Log	1	20	Bigtooth Aspen	25	Log	1	20	Red Pine	10		15	99	Black/Red (Hybrid) Oak	3		16	99	Black/Red (Hybrid) Oak	25	Log	1	20	White Pine	5		15	99	White Pine	5	Log	1														
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Black/Red (Hybrid) Oak	25	Log	1	20																																																													
White Pine	5		15	99																																																													
White Pine	5	Log	1																																																														
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>Red Pine</td><td>6</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Red Maple</td><td>20</td><td>Log</td><td>1</td><td>19</td></tr><tr><td>Bigtooth Aspen</td><td>60</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 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>White Oak</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></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	6	Seedling	8		Red Maple	20	Log	1	19	Bigtooth Aspen	60	Log	1	19	Black/Red (Hybrid) Oak	6	Log	1		White Pine	2	Seedling	8		Jack Pine	2	Log	1		White Oak	2	Log	1		Pin Cherry	2	Log	1		<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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Bigtooth Aspen	60	Log	1	19																																																													
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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			
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.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		5		14		Red Pine		Low	Variable	Variable
Red Pine		90		14	101	White Oak		Low	Variable	Variable
White Oak		5		10		Black/Red (Hybrid) Oak		Medium	Variable	Variable
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.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Pine		80	Log	1	3					
White Oak		15	Log	1						
Black/Red (Hybrid) Oak		5	Log	1						
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			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		25		13	89	White Oak		Low	Variable	Variable
White Pine		15	Seedling	6		Black/Red (Hybrid) Oak		Low	Variable	Variable
Jack Pine		5	Seedling	7		White Pine		Medium	Variable	Variable
White Oak		5		12		Red Pine		Low	Variable	Variable
Red Pine		50		13	100					
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			
Canopy Species		% Cover	Size Class	DBH	Age					
Pin Cherry		4	Log	1						
Black/Red (Hybrid) Oak		16	Log	2	37					
Jack Pine		50	Log	2	32					
Red Pine		30	Pole	3	32					
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.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Oak		1		10		Black/Red (Hybrid) Oak		Low	Variable	Variable
Northern Pin Oak		6		12		White Pine		Medium	Variable	Variable
Red Pine		60		13	87	Red Maple		Low	>20 feet	>20 feet
White Pine		33		8						



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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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Bigtooth Aspen	70	Sapling	6	37																																																												
Pin Cherry	5	Log	1																																																													
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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Canopy Species	% Cover	Size Class	DBH	Age																																																												
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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
Black/Red (Hybrid) Oak		20		21	96	White Pine		Medium	Variable	Variable
White Pine		10	Seedling	6		Red Maple		Low	Variable	Variable
Red Maple		20		13	96	Balsam Fir		Medium	Variable	Variable
White Oak		40		19	96					
Balsam Fir		10	Seedling	5						
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 Pine		5	Seedling	7		White Oak		Medium	10 - 20 feet	10 - 20 feet
White Oak		10	Seedling	8		Black/Red (Hybrid) Oak		Medium	10 - 20 feet	10 - 20 feet
Red Pine		85		12	98	Jack Pine		Low	10 - 20 feet	10 - 20 feet
						Red Pine		Low	Variable	Variable
						Red Maple		Trace	Variable	Variable
						Pin Cherry		Low	< 5 feet	< 5 feet
51	122 - Road/Parking Lot	Sawtimber Medium	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
Black/Red (Hybrid) Oak		10	Log	2	35	Black/Red (Hybrid) Oak		Low	Variable	Variable
White Oak		5	Log	1	35	Red Maple		Low	Variable	Variable
Red Maple		15	Sapling	6	35	White Oak		Low	Variable	Variable
Bigtooth Aspen		70	Sapling	7	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
Black Spruce		25		9	98					
Northern White Cedar		45	Seedling	7	98					
Balsam Fir		5	Seedling	7						
Red Maple		15		9						
White Pine		8		20						



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
Black/Red (Hybrid) Oak		20		13		Red Pine	Low	Variable	Variable
White Pine		12	Seedling	7		White Pine	Low	Variable	Variable
Red Pine		4		13		Red Maple	Medium	Variable	Variable
White Oak		20		11	101	Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Balsam Fir		2	Seedling	6					
Red Oak		20		13	101				
Red Maple		20	Seedling	6					
Bigtooth Aspen		2		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
White Oak		15		15	101	Red Pine	Low	Variable	Variable
Red Pine		20		11		Black/Red (Hybrid) Oak	Medium	Variable	Variable
Black/Red (Hybrid) Oak		50		16	101	White Pine	Low	Variable	Variable
White Pine		15		9		Jack Pine	Low	Variable	Variable
						Red Maple	Medium	Variable	Variable
						Bigtooth Aspen	Low	Variable	Variable
						White Oak	Medium	Variable	Variable
						Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
						Pin Cherry	Low	Variable	Variable
56	310 - Herbaceous Openland	Unspecified	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	Unspecified	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
Black/Red (Hybrid) Oak		30	Log	1	35	Jack Pine	Low	Variable	Variable
Jack Pine		35	Log	2	28	Red Maple	Low	Variable	Variable
Red Pine		5	Sapling	7					
White Oak		15	Log	1	35				
Red Maple		10	Pole	3	35				
Pin Cherry		5	Log	2					



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
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.			
<div>Canopy Species</div>		<div>% Cover</div>	<div>Size Class</div>	<div>DBH</div>	<div>Age</div>	<div>Sub-Canopy Species</div>		<div>Density</div>	<div>Avg. Height</div>	<div>Size</div>
White Pine		20		9		Red Maple		Medium	Variable	Variable
Red Maple		20		8		White Pine		Medium	Variable	Variable
White Oak		3		11		Oak (spp.)		Low	Variable	Variable
Balsam Fir		14	Seedling	7		Balsam Fir		Medium	Variable	Variable
Northern Pin Oak		9		12	104					
Red Pine		34		12	88					
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.			
<div>Canopy Species</div>		<div>% Cover</div>	<div>Size Class</div>	<div>DBH</div>	<div>Age</div>	<div>Sub-Canopy Species</div>		<div>Density</div>	<div>Avg. Height</div>	<div>Size</div>
Balsam Fir		12	Seedling	6		Balsam Fir		High	5 - 10 feet	5 - 10 feet
Tamarack		3		10		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
Black Spruce		28		9	93	Leatherleaf		Full	5 - 10 feet	5 - 10 feet
Northern White Cedar		20		9						
White Pine		4		16						
Jack Pine		5	Pole	3	35					
Red Maple		28	Seedling	8						
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.			
<div>Canopy Species</div>		<div>% Cover</div>	<div>Size Class</div>	<div>DBH</div>	<div>Age</div>	<div>Sub-Canopy Species</div>		<div>Density</div>	<div>Avg. Height</div>	<div>Size</div>
White Oak		5	Log	2	17	Oak (spp.)		High	< 5 feet	< 5 feet
Red Maple		6	Log	2		Red Pine		Low	< 5 feet	< 5 feet
Northern Pin Oak		23	Log	2	17					
Northern Pin Oak		3		16	108					
Red Pine		3		16	109					
Jack Pine		7	Log	2						
Quaking Aspen		49	Log	2	17					
Pin Cherry		4	Log	2						
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.			
<div>Canopy Species</div>		<div>% Cover</div>	<div>Size Class</div>	<div>DBH</div>	<div>Age</div>	<div>Sub-Canopy Species</div>		<div>Density</div>	<div>Avg. Height</div>	<div>Size</div>
Red Maple		20		9		Red Maple		Low	10 - 20 feet	10 - 20 feet
Paper Birch		1	Seedling	8		Balsam Fir		Low	Variable	Variable
Bigtooth Aspen		5		14						
White Oak		12		9						
Balsam Fir		4	Sapling	5						
Black/Red (Hybrid) Oak		45		14	101					
White Pine		11		6						
Red Pine		2		16						



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
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.																																																								
<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>32</td><td>Log</td><td>2</td><td>17</td></tr><tr><td>White Oak</td><td>5</td><td>Log</td><td>1</td><td>20</td></tr><tr><td>Northern Pin Oak</td><td>3</td><td></td><td>18</td><td>109</td></tr><tr><td>Northern Pin Oak</td><td>23</td><td>Log</td><td>2</td><td>17</td></tr><tr><td>Red Pine</td><td>5</td><td></td><td>16</td><td>108</td></tr><tr><td>Quaking Aspen</td><td>16</td><td>Log</td><td>2</td><td>17</td></tr><tr><td>Pin Cherry</td><td>4</td><td>Log</td><td>2</td><td>17</td></tr><tr><td>Red Maple</td><td>12</td><td>Log</td><td>2</td><td>17</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	32	Log	2	17	White Oak	5	Log	1	20	Northern Pin Oak	3		18	109	Northern Pin Oak	23	Log	2	17	Red Pine	5		16	108	Quaking Aspen	16	Log	2	17	Pin Cherry	4	Log	2	17	Red Maple	12	Log	2	17											
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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.																																																								
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Oak</td><td>8</td><td></td><td>9</td><td></td></tr><tr><td>White Pine</td><td>13</td><td></td><td>12</td><td></td></tr><tr><td>Jack Pine</td><td>6</td><td></td><td>9</td><td></td></tr><tr><td>Northern Pin Oak</td><td>55</td><td></td><td>9</td><td>47</td></tr><tr><td>Red Pine</td><td>4</td><td></td><td>14</td><td></td></tr><tr><td>Red Maple</td><td>12</td><td>Seedling</td><td>8</td><td></td></tr><tr><td>Quaking Aspen</td><td>2</td><td></td><td>12</td><td></td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Oak (spp.)</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	White Oak	8		9		White Pine	13		12		Jack Pine	6		9		Northern Pin Oak	55		9	47	Red Pine	4		14		Red Maple	12	Seedling	8		Quaking Aspen	2		12		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Variable	White Pine	Low	Variable	Variable	Oak (spp.)	Low	Variable	Variable
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95	622 - Lowland Shrub	Unspecified	72.8			No																																																									
96	500 - Water	Unspecified	62.8			No	Duck Lake																																																								
97	622 - Lowland Shrub	Unspecified	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
Balsam Poplar	1	Seedling	8		Balsam Fir	Full		Variable	Variable
Balsam Fir	20	Seedling	6		Red Maple	Low		5 - 10 feet	5 - 10 feet
Black Spruce	8		7						
Northern White Cedar	65		9	99					
Red Maple	1	Seedling	6						
Paper Birch	5	Seedling	8						
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
Jack Pine	85		6	48	Pin Cherry	Low		5 - 10 feet	5 - 10 feet
Northern Pin Oak	3	Seedling	6						
Quaking Aspen	12	Seedling	7						
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
White Oak	1		11		White Pine	Low		Variable	Variable
Red Pine	99		13	89	Balsam Fir	Medium		5 - 10 feet	5 - 10 feet
					Northern Pin Oak	Low		5 - 10 feet	5 - 10 feet
					Red Pine	Low		5 - 10 feet	5 - 10 feet
101	42120 - Planted Jack Pine	Sapling Well	49.3	22	Immature	N/A			
Canopy Species	% Cover	Size Class	DBH	Age					
Northern Pin Oak	5	Log	3						
Pin Cherry	2	Log	3						
Jack Pine	93	Log	3	22					
102	42110 - Planted Red Pine	Unspecifed	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
White Pine	24		12		White Pine	Low		Variable	Variable
Red Maple	48		10	91	Red Maple	Medium		Variable	Variable
Northern Pin Oak	25		14						
Red Pine	3		14						





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
110	4130 - Aspen	Sapling Poor	1.3	14	Immature	N/A																																																								
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111	6221 - Fen	Unspecified	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.																																																							
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>30</td><td></td><td>7</td><td>60</td></tr><tr><td>Northern Pin Oak</td><td>5</td><td></td><td>12</td><td></td></tr><tr><td>Red Pine</td><td>60</td><td></td><td>16</td><td>134</td></tr><tr><td>Bigtooth Aspen</td><td>5</td><td></td><td>12</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	30		7	60	Northern Pin Oak	5		12		Red Pine	60		16	134	Bigtooth Aspen	5		12		<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></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Variable																									
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113	6233 - Wet Meadow	Unspecified	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.																																																							
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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	Unspecified	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.																																																							
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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 Oak	Medium		5 - 10 feet	5 - 10 feet
White Oak	15		14		Black/Red (Hybrid) Oak	Low		< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	60		14	101	White Pine	Low		5 - 10 feet	5 - 10 feet
White Pine	10	Seedling	5		Red Pine	Low		5 - 10 feet	5 - 10 feet
					Bigtooth Aspen	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
Red Pine	45		11	100	White Oak	High		< 5 feet	< 5 feet
White Oak	20		10		Red Pine	Trace		Variable	Variable
Black/Red (Hybrid) Oak	30		12	84	Black/Red (Hybrid) Oak	Low		< 5 feet	< 5 feet
White Pine	5	Seedling	6		White Pine	Low		Variable	Variable
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		Black/Red (Hybrid) Oak	Medium		Variable	Variable
White Oak	10		14		Hawthorn (spp.)	Low		5 - 10 feet	5 - 10 feet
Red Pine	80		12	101	Red Pine	Low		Variable	Variable
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
White Oak	5		13		White Oak	Low		Variable	Variable
Black/Red (Hybrid) Oak	5		15	100	Red Pine	Low		Variable	Variable
White Pine	15	Seedling	6		Black/Red (Hybrid) Oak	Medium		Variable	Variable
Red Pine	75		12	100	White Pine	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	Red Pine	Low		Variable	Variable
White Oak	2		13		White Oak	Low		Variable	Variable
Black/Red (Hybrid) Oak	23		15	100	Black/Red (Hybrid) Oak	Low		Variable	Variable