



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71026

Entry Year 2020

Acreage: 2,559

County Roscommon

Management Area: Upper Muskegon

Revision Date: 2018-08-06

Stand Examiner: Dale Ekdom

Legal Description:

T21N R03W Sections 11 - 14

Identified Planning Goals:

Vegetation management in the Upper Muskegon management area (MA) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year period will focus on harvesting older jack pine and balancing age class distributions of oak, aspen and red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation. Expected trends within this 10-year planning period are the need to manage exotic species (especially Phragmites and glossy buckthorn), the need to continue to manage cover types for a balanced age-class distribution and an expected increase in recreation pressure.

Soil and topography:

Topography is level to slightly rolling in the more upland northern portion of the compartment and flat in the southern portion of the compartment which is primarily swamp. Soils are Rubicon sands on the upland areas and Rifle peat in the lowland areas.

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

Compartment is a solid block of state land and is surrounded by state land except for Mid Forest Lodge on the entire east edge. Private land in Mid Forest Lodge is permanent and seasonal residences on wooded acreage.

Unique Natural Features:

No identified MNFI concerns.

Archeological, Historical, and Cultural Features:

None known or detected during fieldwork.

Special Management Designations or Considerations:

None noted

Watershed and Fisheries Considerations:

Numerous wet potholes scattered within the compartment. Boyce Lake and Duck Lake are to the west and north-west in adjacent compartments. There is a large beaver pond/wetland complex on the northwest corner of the compartment

Wildlife Habitat Considerations:

The southern portion of the compartment contains numerous aspen stands intermixed with lowlands and wetlands making this area important for grouse and woodcock habitat. Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, bear, grouse, woodcock, hare, turkeys, as well as other non-game species.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are not located in the area, but there may be some sand & gravel potential within the compartment. The Headquarters Field is located two miles to the southwest. There may be some oil potential from Devonian formations beneath the compartment. There are no test wells in or around the compartment that penetrate the Devonian section. Most of the state-owned mineral rights in the compartment are currently leased. Marathon holds these leases and they have been divesting of their interests in the state. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Vehicle access to the east part of the compartment is excellent via county roads, forest two-tracks, and the snowmobile trail. Vehicle access to the middle and west part of the compartment is problematic due to swampy wet terrain in some

spots.

Survey Needs:

None necessary at this time.

Recreational Facilities and Opportunities:

Denton Creek 50" ORV trail, Denton Creek Route and Snowmobile Trail 6 occur in Sections 11 and 14. Dispersed recreation occurs throughout the compartment for berry/mushroom picking, deer hunting and small game hunting, camping, and wildlife viewing. (A.2018)

Fire Protection:

The east portion of the compartment is heavy to hardwood cover types and the west portion is mostly swamp conifer types. The Boyce Lake Fire burned a large portion of the northeast part of the compartment and into Mid Forest Lodge property in Spring 2005. This compartment has high risk pine fuel types in it and is in the Zone 4 pre-planned dispatch area.

Additional Compartment Information:

Compartment has seen lots of illegal ORV use in the past but a major RDR on Mallory Hill was recently rehabilitated using ORV funds and illegal ORV use on the west side of M-18 has decreased. However, a new illegal ORV-related RDR has been noted on the east side of M-18.

The following reports from the Inventory are attached:

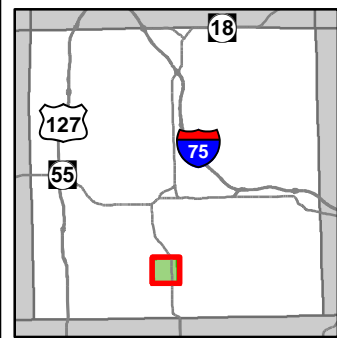
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

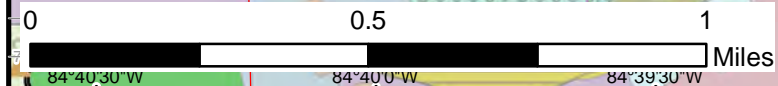
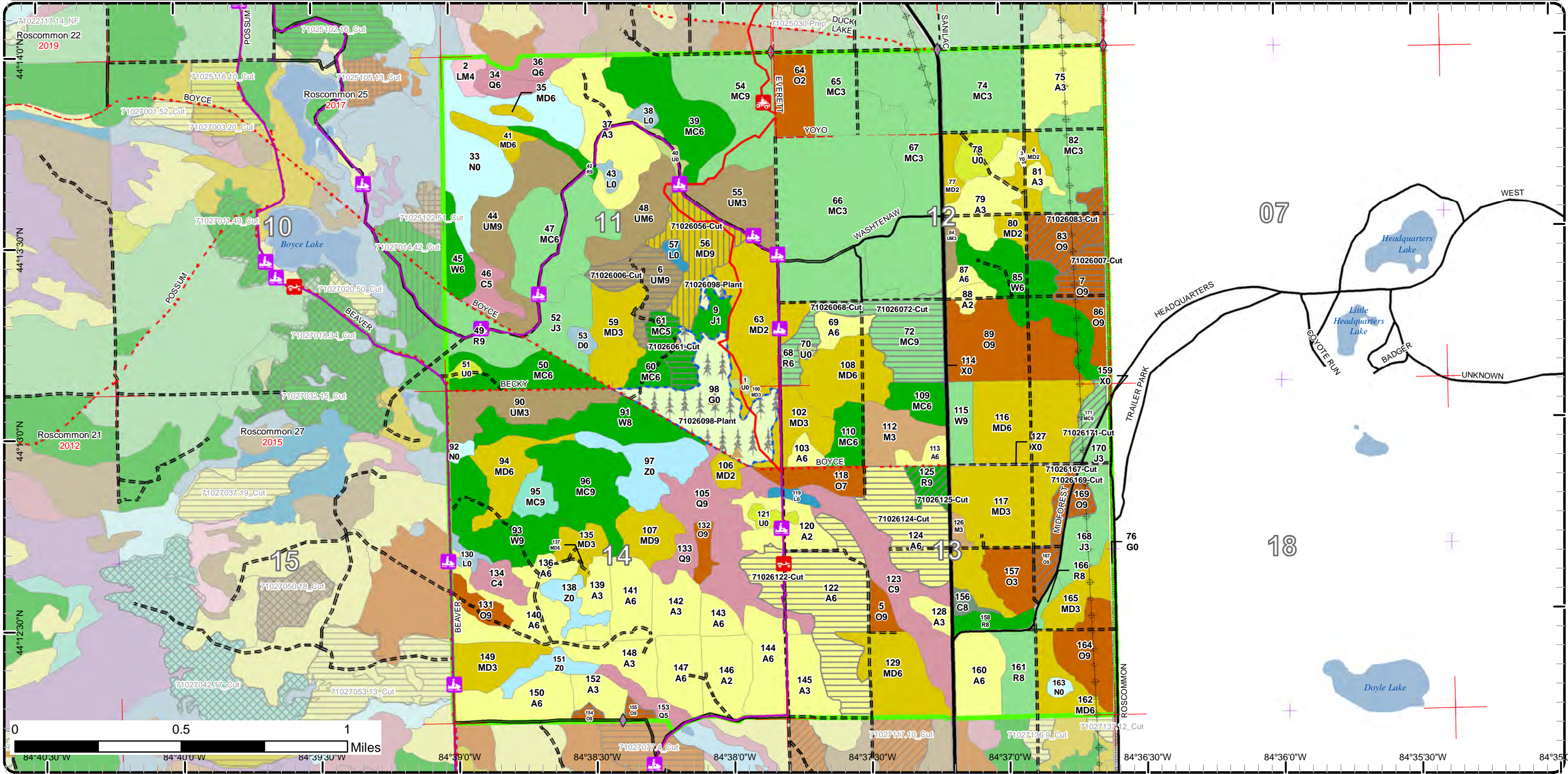
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 26
 T21N, R03W, Sec. 11-14, 23
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Upper Muskegon
 YOE: 2020
 Acres: 2,559 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 1/10/2019
 Map Phase: Post-Review



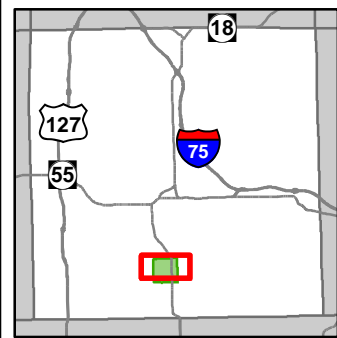
- Miris Corners
- Remonumented Section Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- ORV Trails
- ORV Routes
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- Designated ATV
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- Berms
- Lake/Pond
- Lakes and Rivers All
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Planting (tree species)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland
- 710 - Sand/Soil
- Lakes



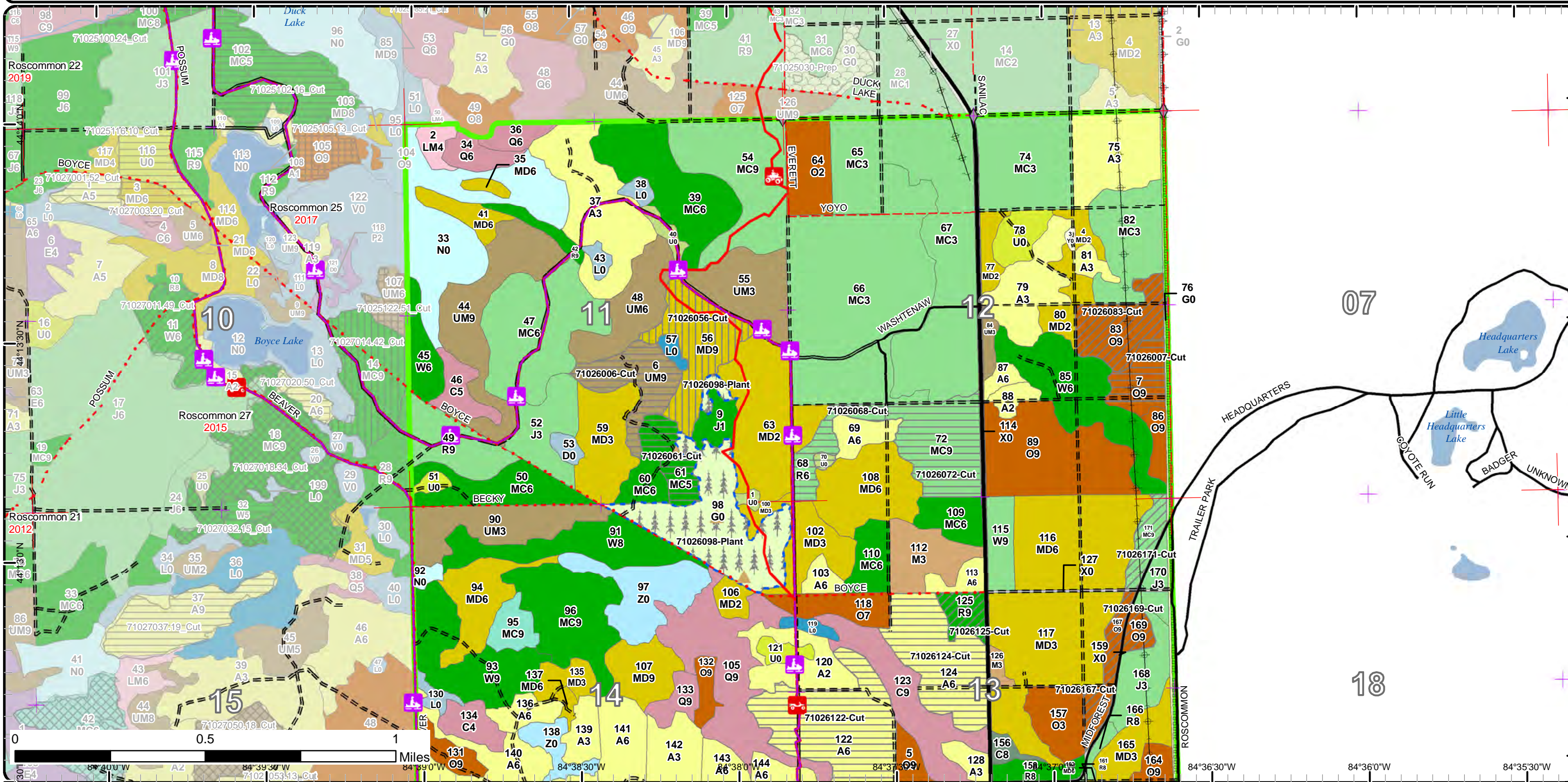
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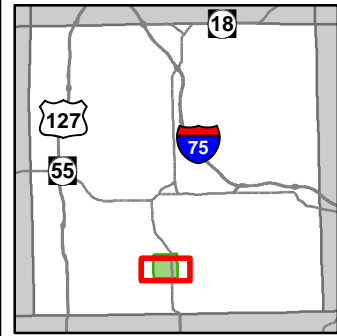


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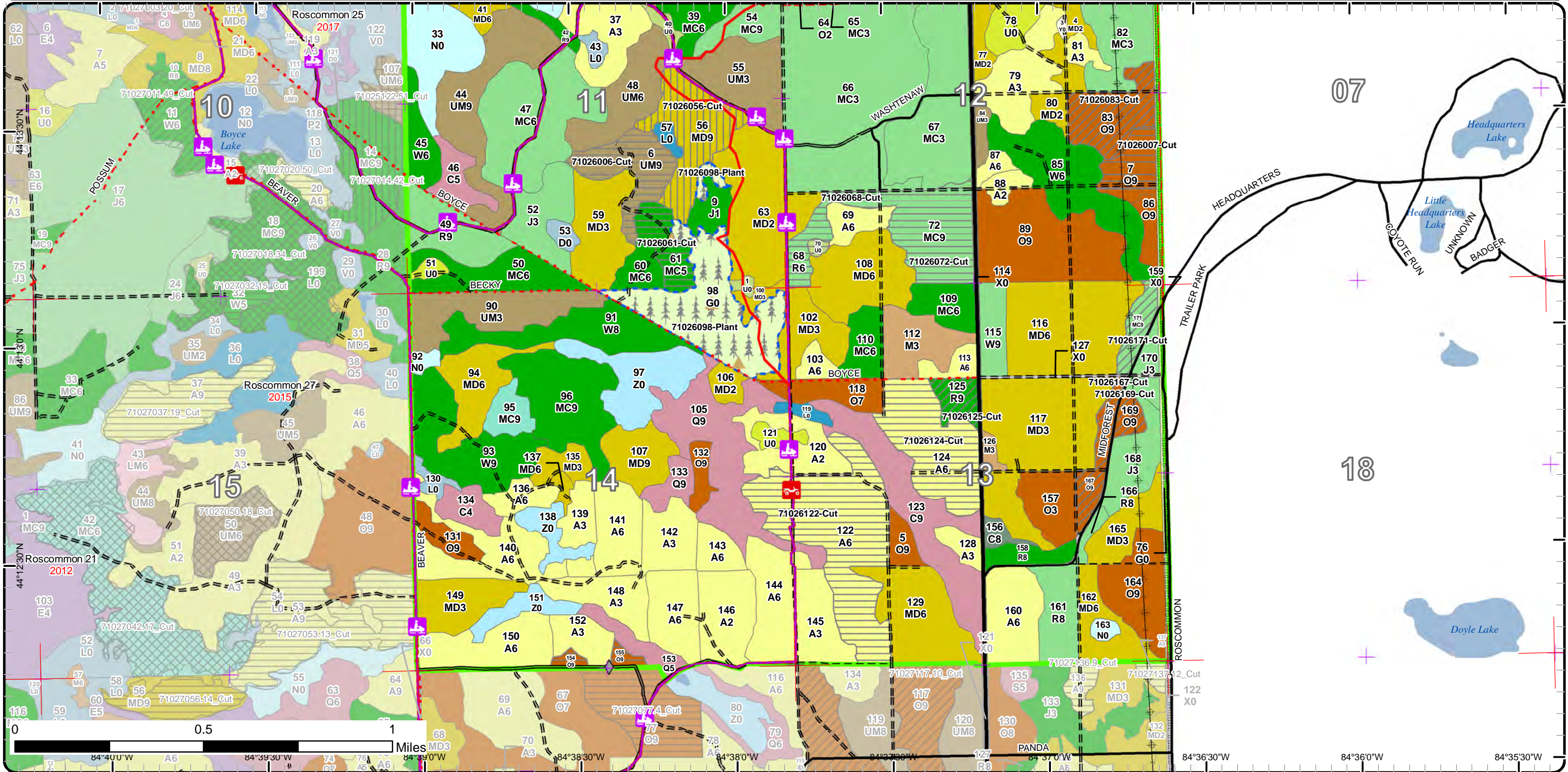


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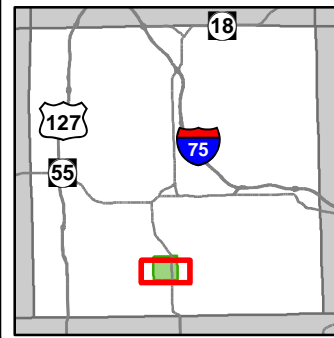


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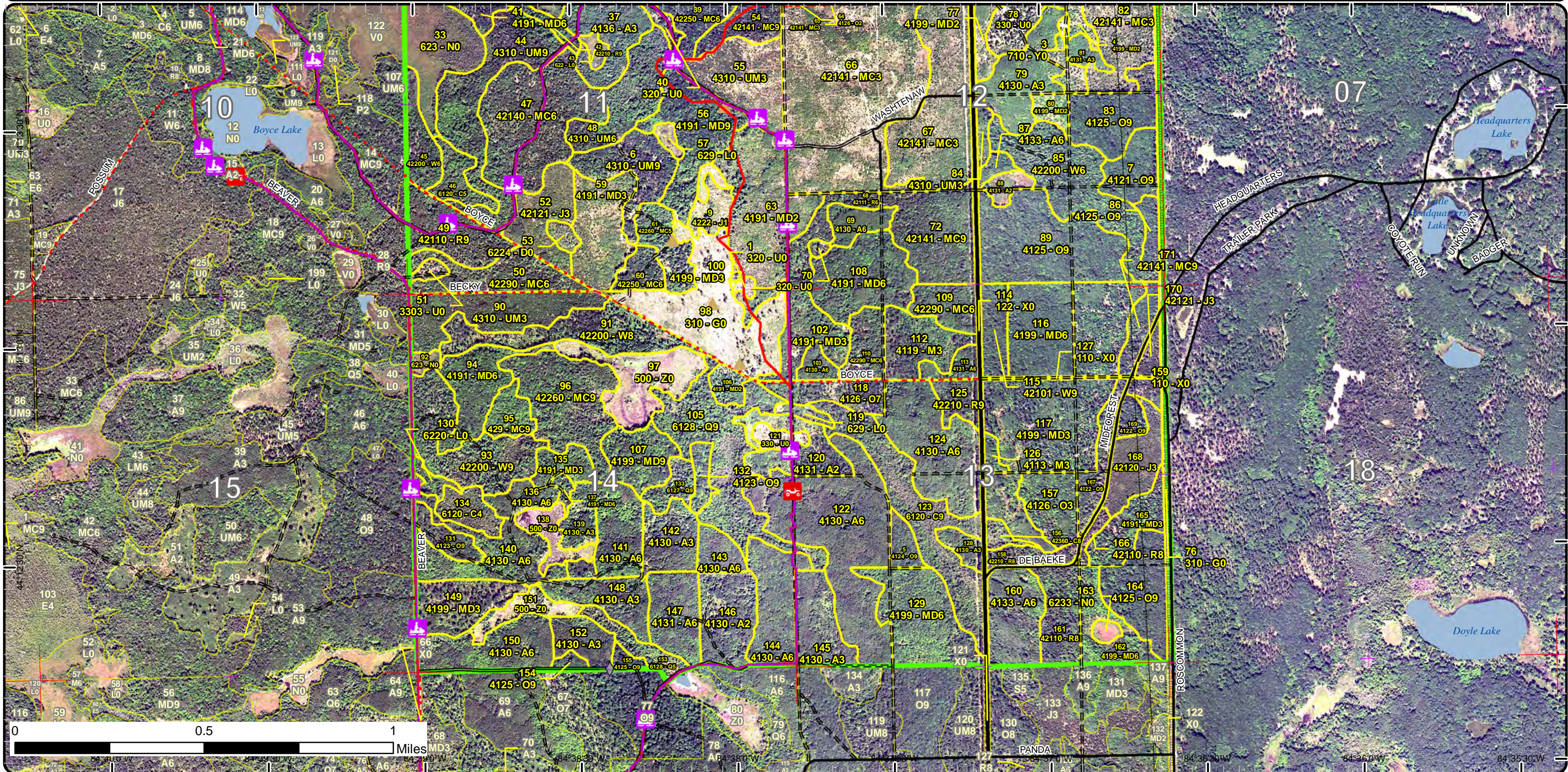


Stand Boundary Map

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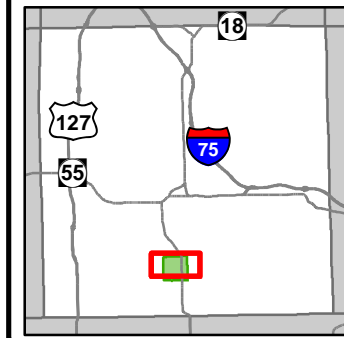


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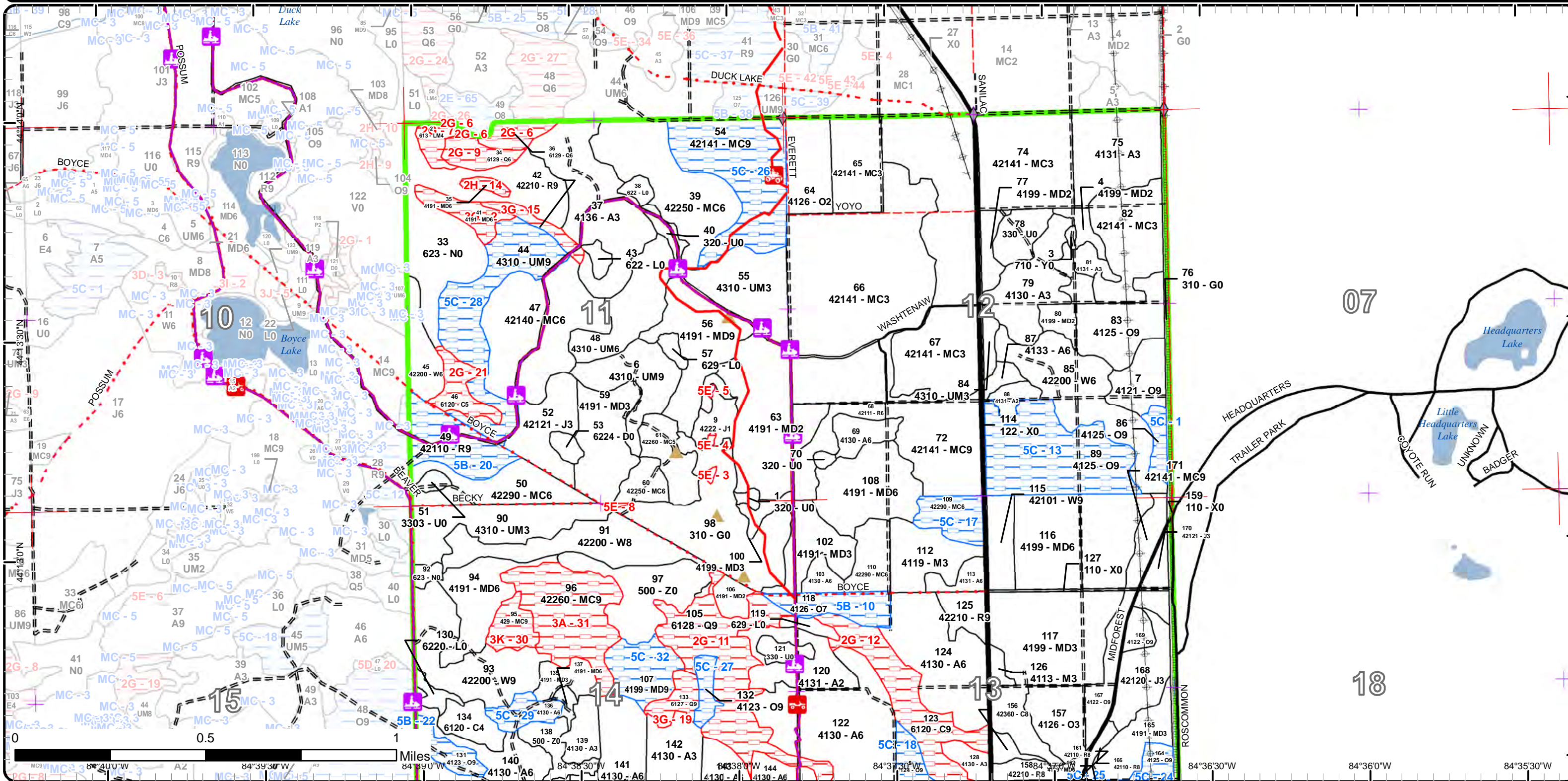


Special Conservation Areas & Site Conditions Map

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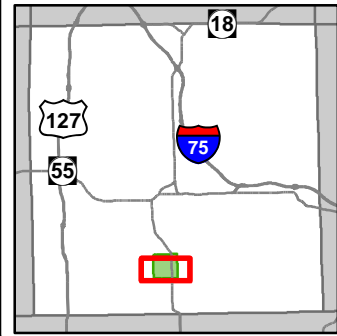


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3G: Other Influence zones - See comments
- 3K: Rare or unique landforms
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams

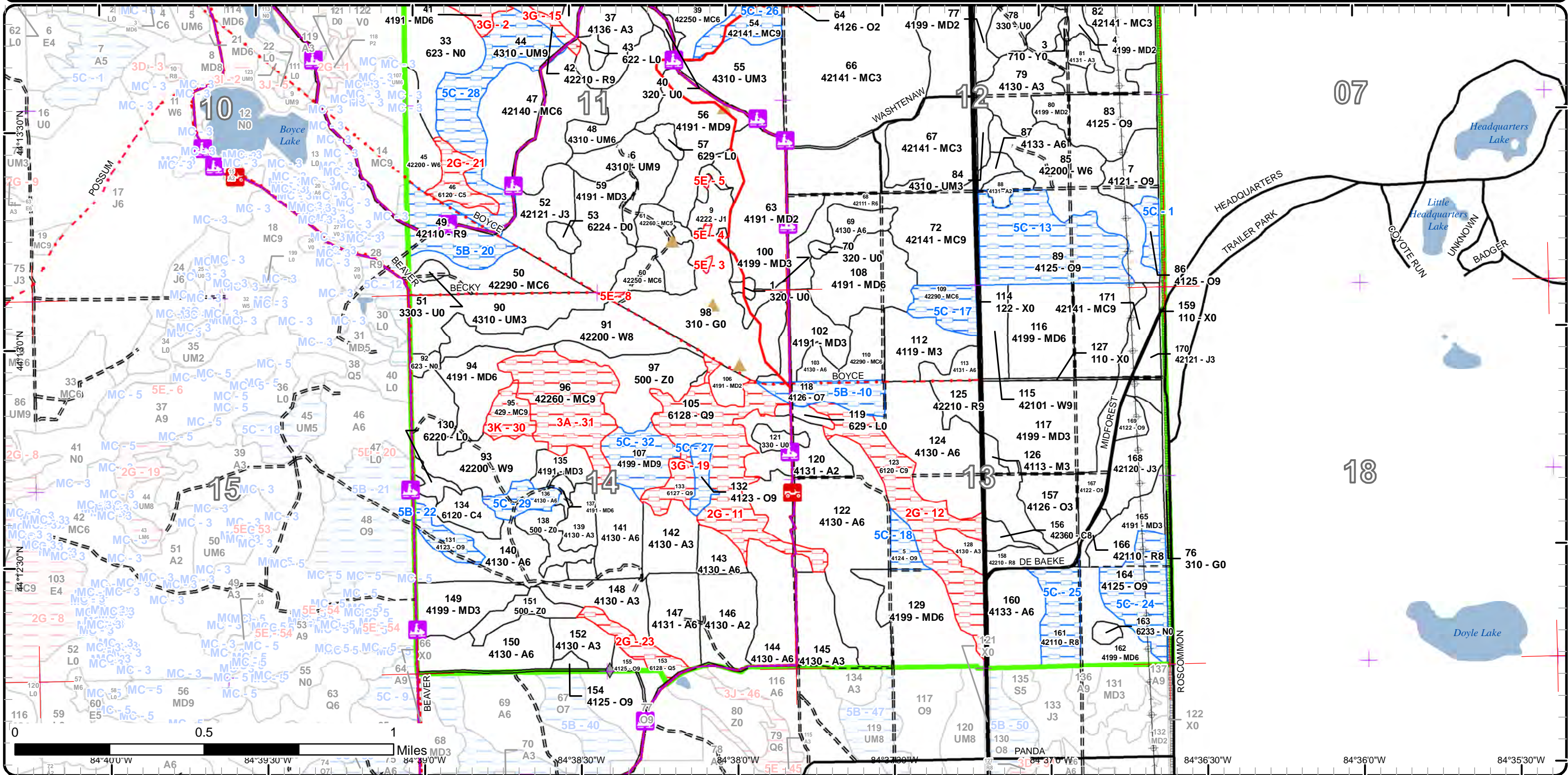


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- 5E: Long-Term Retention
- Stand Boundaries
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)



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	5	81	147	153	50	87	0	0	0	0	0	0	0	0	0	0	0	522
Cedar	0	0	0	0	0	0	0	0	0	0	0	10	54	0	0	0	0	0	64
Herbaceous Openland	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
Jack Pine	0	8	20	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Low-Density Trees	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	9	0	0	7	63	0	0	0	79
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
Lowland Shrub	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Marsh	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
Mixed Upland Deciduous	0	0	221	2	85	47	21	0	0	31	0	11	0	17	0	0	0	0	434
Natural Mixed Pines	0	0	0	0	23	0	12	61	0	0	14	38	0	0	0	0	0	0	148
Northern Hardwood	0	0	19	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Oak	0	0	19	0	16	0	0	0	0	13	127	24	0	5	0	0	0	0	204
Planted Mixed Pines	0	0	288	0	51	0	0	0	0	48	41	0	0	0	0	0	0	0	428
Red Pine	0	0	0	0	0	0	0	0	8	8	32	5	22	0	0	0	0	0	75
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Treed Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	9
Upland Mixed Forest	0	0	31	30	0	0	0	25	0	0	63	0	0	0	0	0	0	0	149
Upland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Urban	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Water	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
White Pine	0	0	0	0	12	0	31	36	40	0	11	0	0	0	0	0	0	0	130
Total	237	13	679	203	343	97	151	122	48	100	303	97	76	29	63	0	0	0	2559



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2020

Acres of Harvest

Compartment 26
Total Compartment Acres: 2,559

Commercial Harvest - 294
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	110	0	0	0	0	0	0	0	0	110
Mixed Upland Deciduous	0	0	0	0	31	0	0	0	0	31
Natural Mixed Pines	14	0	0	0	0	0	0	0	0	14
Oak	17	0	0	0	0	39	0	0	0	56
Planted Mixed Pines	33	0	0	0	0	8	0	0	0	41
Red Pine	12	0	0	0	0	8	0	0	0	20
Upland Mixed Forest	22	0	0	0	0	0	0	0	0	22
Upland Shrub	1	0	0	0	0	0	0	0	0	1
Total	208	0	0	0	31	55	0	0	0	294

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	294	0	53	0	0	0	0	0	0	347
Next Step	0	154	95	0	0	59	447	0	0	754
Total	294	154	147	0	0	59	447	0	0	1101



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
6	71026006-Cut	22.1	4310 - Pine, Oak Mix	Sawtimber Well	90	81-110	Harvest	Clearcut with Retention	4212 - Planted Jack Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription final harvest and trench/plant jack pine, save some of the largest white oak for mast, place a few small retention islands in areas heavy to white pine
Specs: pine

Next Step SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable Any combination of planted jack pine and other natural regeneration to a fully stocked stand
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

7	71026007-Cut	11.6	4121 - Oak, Aspen	Sawtimber Well	90	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription final harvest and convert to aspen/oak stand, mark oak in clumps where aspen is lacking for mast/seed and use this oak as retention, no
Specs: retention in areas heavy to aspen due to small size of the stand and desire to convert this stand to aspen

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

Acceptable Any combination of aspen and other species to a fully stocked stand
Regen:

Other evaluate steeper terrain in spots for operability, add drumming log specs in this stand
Comment:

Proposed Start Date: 10/1 /2019

56	71026056-Cut	30.9	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	87	111-140	Harvest	Shelterwood with Retention	412 - Oak Types	Two-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription shelter-wood leaving red/white pine and 30 -40 SF of mostly white oak and some good black oak seed trees, leave strip between orv/snowmobile
Specs: trail for visual/retention OR remove jack pine only within strip OR place small islands within strip for retention

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Any combination of oak and other species to a fully stocked stand
Regen:

Other plant jack pine or red pine if stand doesn't regenerate to oak, possible green-up issue
Comment:

Proposed Start Date: 10/1 /2019

61	71026061-Cut	13.7	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	90	51-80	Harvest	Clearcut with Retention	4212 - Planted Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription cut now and trench/plant jack pine, leave small retention islands on both sides of the 2T thru stand, possible green-up issue, paint out and buffer
Specs: small bog in south end of the stand, possible green-up concern

Next Step SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable Any combination of planted jack pine and other natural regeneration to a fully stocked stand
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
68 71026068-Cut	12.0	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	94	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription CC no retention due to small size and advanced age AND desire to expand A6 stand into this stand where possible, trench/plant RP except
Specs: where aspen clones come in as A3, do not herbicide or roller-chop in areas with A3.

Next Step SitePrep, Roller Chopping; Pesticide, (Inactive)Skidder/Mechanical; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial
Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Fully stocked red pine stand
Regen:

Other use ORV/SMT protection specs on this sale
Comment:

Proposed Start Date: 10/1 /2019

70 71026070-Cut	1.3	320 - Upland Shrub Nonstocked			Unspec ified	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription clean up merchantable trees with surrounding stand and trench/plant red pine
Specs:

Next Step SitePrep, Roller Chopping; Pesticide, (Inactive)Skidder/Mechanical; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial
Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable fully stocked red pine plantation
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

72 71026072-Cut	32.8	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	94	111-140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CCR and trench/plant red pine, leave strip between Powerline ROW and M-18 for visual and retention, do not roller-chop, trench, or herbicide in
Specs: areas that regenerate to A3

Next Step SitePrep, Roller Chopping; Pesticide, (Inactive)Skidder/Mechanical; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial
Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable fully stocked red pine stand
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

83 71026083-Cut	23.0	4125 - Black, N. Pin Oak	Sawtimber Well	90	111-140	Harvest	Low Thinning	4122 - Oak, Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription remove aspen/red maple/jack pine via spec and thin the oak and Red/White pine to 90 SF
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other may need to eliminate a few steep areas from the sale due to operability
Comment:

Proposed Start Date: 10/1 /2019



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	Approval Status
98	71026098- Plant	52.6	310 - Herbaceous Openland	Nonstocked		Unspec ified	Planting	Replant	42110 - Planted Red Pine	Even-Aged	Field Boundary

Habitat Cut: No **Site Condition: Long-Term Retention**

Prescription replant red pine

Specs:

Next Step Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable Red pine plantation to 80 percent free to grow.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 10/1 /2018

122	71026122-Cut	70.2	4130 - Aspen	Poletimber Well	53	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription treat all or part of this stand per MA analysis, use brush pile and drumming log specs on this stand, place retention along snowmobile/ORV trail,

Specs: possibly include west arm of stand 129 to simplify line-work

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of aspen and other species to a fully stocked stand

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

124	71026124-Cut	39.3	4130 - Aspen	Poletimber Well	48	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription clearcut all or part of stand per MA analysis, leave white pine in NW corner for visual, mark out wet area in east central part for BMP's/retention,

Specs: leave part between power-line ROW and M-18 for retention/visual, use drumming log and brush pile specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of aspen and other species to a fully stocked stand

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

125	71026125-Cut	7.8	42210 - Natural Red Pine	Sawtimber Well	81	111- 140	Harvest	Crown Thinning	4221 - Natural Red Pine	Two-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription thin by removing aspen, jack pine, and red maple, and marked red pine and use as a buffer for cuts to the west/south, heavy thinning to 90 SF of

Specs: red pine, some areas are already below this residual density but it is okay to remove defect where necessary to improve the quality of this stand, no specific retention but leave strip between M-18 and Powerline ROW for visual

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, (Inactive)Skidder/Mechanical; Planting, Initial Plant; Monitoring, Artificial

Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable

Regen:

Other leave small arm on SW as part of the aspen clear-cut especially if it is heavier to aspen

Comment:

Proposed Start Date: 10/1 /2019



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
154	71026154-Cut	2.4	4125 - Black, N. Pin Oak	Sawtimber Well	95	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription final harvest and trench/plant red pine, leave sawlog size white oak for mast, no retention due to stand size

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr);

Treatments: Pesticide, (Inactive)Skidder/Mechanical

Acceptable fully stocked red pine stand

Regen:

Other require site to be chipped, herbicide may not be needed in this stand, treat with Stand 77 to the south in 2019

Comment:

Proposed Start Date: 10/1 /2018

155	71026155-Cut	2.6	4125 - Black, N. Pin Oak	Sawtimber Well	94	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription final harvest and trench/plant red pine, leave sawlog size white oak for mast, no retention due to stand size

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr);

Treatments: Pesticide, (Inactive)Skidder/Mechanical

Acceptable fully stocked red pine stand

Regen:

Other require site to be chipped, herbicide probably not needed, treat with Stand 77 to the south in 2019

Comment:

Proposed Start Date: 10/1 /2018

167	71026167-Cut	11.5	4122 - Oak, Pine	Sawtimber Well	103	141-170	Harvest	Crown Thinning	4122 - Oak, Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription remove aspen, red maple, and jack pine and thin poor quality oak/pine to 90-120 SF, may need to leave out steepest parts, should be enough

Specs: flatter terrain to pull a truck off the road in a few spots to load, no specific retention due to long /narrow shape and steeper terrain

Next Step

Treatments:

Acceptable N/A

Regen:OtherComment:

Proposed Start Date: 10/1 /2019

169	71026169-Cut	4.5	4122 - Oak, Pine	Sawtimber Well	103	111-140	Harvest	Crown Thinning	4122 - Oak, Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription remove A/RM/JP and then mark poor quality oak/pine to 90 SF

Specs:Next Step

Treatments:

Acceptable N/A

Regen:OtherComment:

Proposed Start Date: 10/1 /2019



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	Approval Status
171	71026171-Cut	8.4	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	92	111- 140	Harvest	Crown Thinning	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription remove aspen, red maple, and jack pine first and then mark oak/pine to 90 SF

Specs:

Next Step

Treatments:

Acceptable N/A

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

**Total Treatment
Acreage Proposed: 346.7**

Report 4 – Site Conditions

Roscommon Mgt. Unit
Dale Ekdom : Examiner

Compartment: 26
Year of Entry: 2020

**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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3G: Other Influence zones - See comments	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: PENINSULA OF HARDWOODS (PRIMARILY OAK) SURROUNDED BY MARSH, POOR ACCESS AND LOW QUALITY,							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Compartment: 26

Dale Ekdorn : Examiner

Year of Entry: 2020

15	Unavailable	3G: Other Influence zones - See comments	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: WETTER TRANSITION ZONE BETWEEN MARSH AND HIGHER GROUND WHICH HAS SOME ASPECTS AND EXCELLENT POTENTIAL FOR OLD GROWTH CHARACTERISTICS ,							
20	Available	5B: Maintain for regeneration purposes	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
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S t a n d	Roscommon Mgt. Unit		Report 7 – Forested Stands			Compartment: 26	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2020	
2	613 - Lowland Mixed Forest	Poletimber Poor	5.6	90	Unspecified	EAST END OF LARGE MARSH/WETLAND COMPLEX AROUND DUCK LAKE/BOYCE LAKE, mix of lowland conifers and hardwoods with marsh grass, tag alder, and cattails, converting to "L", too wet and not enough volume to do anything with	
4	4199 - Other Mixed Upland Deciduous	Sapling Medium	4.3	14	Immature	OPIC - FMD: ORIGINALLY CUT IN 2000, BURNED IN 2005 BOYCE LAKE FIRE MIX OF OAK, ASPEN, AND RED MAPLE, SPARSE IN NUMEROUS SPOTS	
5	4124 - Red with White Oak	Sawtimber Well	6.1	93	81-110	stand is older red/white oak and white pine over-top younger aspen and red maple, red maple not quite pole size, aspen just into pole size, oak is vigorous, growing well, and is mostly of decent quality	
6	4310 - Pine, Oak Mix	Sawtimber Well	22.1	90	81-110	variable stand with multiple species, sizes, and ages, rolling terrain with some steeper hills which may make any partial cuts problematic, some open spots which are more upland brush, jack pine/oak/rp mature and starting to decline, largest white pine is heavily weeviled, kotar type is PVCd/PArVHa	
7	4121 - Oak, Aspen	Sawtimber Well	13.9	90	111-140	oak logs mixed with aspen poles./logs, scattered wp saps in U.S., part south of the 2T has very little aspen and is mostly oak with a few scattered conifers in the under-story	
9	4222 - Natural Jack Pine	Sapling Poor	7.7	6	Immature	cut in late summer 2012 and winter 2013. This was the only part of the larger stand that regenerated naturally. The non-regenerating areas were trenched in 2015 and planted to red pine.	
34	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	8.3	136	Unspecified	PART OF DUCK LAKE/BOYCE LAKE WETLANDS, VERY WET STAND	
35	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	2.5	100	81-110	HARDWOOD ISLAND WITH RED MAPLE, PAPER BIRCH, AND SOME B.T. ASPEN, ALSO SOME BALSAM FIR, SURROUNDED BY MARSH, VERY POOR ACCESS AND SMALL ACREAGE, NOT WORTH TROUBLE TO GET INTO AND CUT	
36	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	6.7	136	Unspecified	Swamp conifers with a heavy under-story of balsam fir thru-out most of the stand, wet and not operable, part of the stand to the north in 71025	
37	4136 - Aspen, Mixed Conifer	Sapling Well	44.3	28	Immature	A3 WITH NUMEROUS WET POT HOLES OF "L" OR "N", LOTS OF STUMP SPROUT RED MAPLE IN SPOTS, mix of big tooth (upland) and trembling (lower ground) aspen, lots of balsam fir saplings also	
39	42250 - Pine, Oak	Poletimber Well	41.7	63	51-80	W6 WITH SOME AREAS HEAVY TO OAK SAWLOGS, NO TREATMENT AT THIS TIME, Thin in 10-20 years with stands 48 and 60	





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	8.6	100	111-140	PENINSULA OF HARDWOODS LOGS/XLOGS OVER-TOP WHITE PINE AND RED MAPLE SAPLINGS AND POLES, SURROUNDED BY MARSH ON 3 SIDES, POOR ACCESS AND LOW QUALITY, ALLOW TO CONVERT TO WHITE ON ITS OWN, POSSIBLE OLD GROWTH WITH SOME LEGACY SIZE R/W PINE
42	42210 - Natural Red Pine	Sawtimber Well	5.4	101	111-140	WETTER TRANSITION ZONE BETWEEN MARSH AND HIGHER GROUND WHICH HAS SOME ASPECTS AND EXCELLENT POTENTIAL FOR OLD GROWTH CHARACTERISTICS IF LEFT ALONE, red pine xl's Overton red maple and white pine saplings, red pine canopy very variable in identity, lots of blowdown
44	4310 - Pine, Oak Mix	Sawtimber Well	41.2	90	111-140	RANGES FROM W7Q5 TO W9W2M1, GRADES INTO marsh to the west, AND VARIES FROM DRY UPLAND TO WET/SEASONALLY WET LOWLAND AND HAS SOME ASPECTS AND EXCELLENT POTENTIAL FOR OLD GROWTH
45	42200 - Natural White Pine	Poletimber Well	12.2	35	51-80	MIX OF VARIOUS SIZES/AGES OF WHITE PINE, YOUNGEST IS 1984 Y.O.O., SHOULD BE W6 NEXT Y.O.E., range of quality on all species from poor to , parts heavy to hardwood regeneration
46	6120 - Lowland Cedar	Poletimber Medium	9.7	110	1-50	PART OF DUCK LAKE/BOYCE LAKE WETLAND COMPLEX
47	42140 - Planted Mixed Pine	Poletimber Well	51.3	35	51-80	MIX OF J/R/W PINE REGEN OF VARIOUS SIZES/AGES BUT JACK PINE APPEARS TO BE PLANTED, SMALLEST TREES JUST REACHING POLE-SIZE, MANAGE FOR ANY/ALL PINE SPECIES AT SOME FUTURE Y.O.E., GOOD RED PINE SITE DUE TO HIGH WATER TABLE ON PVCd KOTAR SITE
48	4310 - Pine, Oak Mix	Poletimber Well	25.4	60	111-140	WHITE PINE WITH O/A OF VARIOUS AGES INTERMIXED, parts of stand are heavy to hardwoods, THIN IN 20 YEARS WITH STANDS #39 and 60
49	42110 - Planted Red Pine	Sawtimber Well	22.0	117	81-110	NICE R9 WITH W3 U.S. AS A RESULT OF BEING THINNED IN 1992, SOMEWHAT SPONGY/WET IN SPOTS, WATER TABLE CLOSE TO THE SURFACE THRU-OUT STAND, COULD THIN BUT WOULD DAMAGE A LOT OF WHITE PINE IN THE U.S.AND LOTS OF POTENTIAL FOR RUTTING, STAND EXTENDS INTO COMPT TO THE WEST, BISECTED BY SNOWMOBILE TRAIL, RECORDS INDICATE STAND WAS PLANTED IN 1925 BUT SOME BORED TREES WERE 116 YEARS OLD
50	42290 - Natural Mixed Pine	Poletimber Well	22.6	35	51-80	WHITE PINE STAND OF VARIOUS AGES/SIZES, YOUNGEST WP IS 1984 Y.O.O., SCATTERED JP/O/RP/A ALSO, just converted to pole size
52	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	20.1	15	Immature	Cut in 2000 and planted to jack pine in 2004



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
54	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	48.2	84	111-140	R6 GOING TO R9 WITH HEAVY WHITE PINE U.S. IN SPOTS, STEEP TERRAIN IN SPOTS SO ANY INTERMEDIATE CUTS ARE PROBLEMATIC DUE TO POTENTIAL FOR DAMAGE, EAST PART UNDER-BURNED IN 2005 BOYVE LAKE FIRE, HOLD 10 YEARS AND LET STAND GROW SOME MORE
55	4310 - Pine, Oak Mix	Sapling Well	27.7	13	Immature	Originally cut in 2000 and planted to jack pine in 2004, east 1/2 was burned in the 2005 Boyce Lake Fire and was re-planted to jack pine in 2006, some indications that they may have done some fill-in planting in subsequent years also, areas heavier to oak than pine in spots
56	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	30.9	87	111-140	DECENT QUALITY WHITE OAK AND POORER QUALITY BLACK OAK WITH R/W PINE POLES IN U.S., N. END HEAVY TO JACK PINE BETWEEN ORV TRAIL AND SNOWMOBILE TRAIL, east part under-burned in Boyce Lake Fire in 2005 and has little under-story, west part has lots of pine poles in under-story, oak, aspen, red maple, and jack pine mature, red and white pine healthy and growing well, rolling terrain so should be good frost drainage, Kotar type is PVCd
59	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	25.9	15	Immature	Cut in 2000 and planted to red pine in 2004 with varying success
60	42250 - Pine, Oak	Poletimber Well	7.7	60	111-140	W6O8W3, HOLD UNTIL REST OF WHITE PINE BECOMES MERCHANTABLE AND THEN THIN STAND, APPEARS TO HAVE HAD RM/ASPEN AND SOME OAK REMOVED 20-30 YEARS AGO, white pine better quality than white pine in stand to the east and north.
61	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	13.7	90	51-80	Mix of everything but all species are poor quality and white pine is heavily weeviled, MAY HAVE BEEN A LOGGERS CHOICE CUT IN STAND 20 - 30 YEARS AGO AS SOME OAK & ASPEN REGENERATION IS QUITE ADVANCED,, Kotar Type is PVCd/PArVHa
63	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	45.7	14	Immature	BURNED IN 2005 BOYCE LAKE FIRE, NOW HAS LOTS OF DEAD TREES/SNAGS WITH SCATTERED R/W/J PINE SAWLOG TREES THAT ARE STILL HANGING IN THERE,
64	4126 - White, Black, N. Pin Oak	Sapling Medium	19.2	14	Immature	BURNED IN 2005 BOYCE LAKE FIRE, SALVAGED BUT NOT PLANTED AT THE REQUEST OF WILDLIFE DIVISION, MIX OF O/A REGENERATION WITH SOME NATURAL J/R PINE REGENERATION, SCATTERED WHITE OAK LEFT
65	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	21.5	13	Immature	SALVAGED MAY/JUNE 2005 AFTER BOYCE FIRE, RE-PLANTED TO RED PINE IN 2006, MIX OF PLANTED RED PINE AND NATURAL JACK PINE/ OAK REGENERATION
66	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	116.8	13	Immature	Originally cut in 2000 and planted to red pine in 2004, stand then burned in the 2005 Boyce Lake Fire and was re-planted in 2005, now is a mix of red pine and oak regeneration with some volunteer jack pine also, lots of problems in the past with illegal ORV use but most of the hill climbs, etc. were rehabbed in the summer of 2007 (Mallory Hill RDR) and seem to be holding, scattered oak and red pine sawlog size trees left for visual



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
67	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	78.9	13	Immature	SALVAGED MAY/JUNE 2005 AFTER BOYCE FIRE, RE-PLANTED TO RED PINE IN 2006, MIX OF RED PINE AND JACK PINE / OAK REGENERATION
68	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	12.0	94	111-140	Most of stand was under-burned in the 2005 Boyce Lake Fire and now has a pretty good hardwood under-story, road on north side of stand is over-grown and impassable, regenerate now to red pine
69	4130 - Aspen	Poletimber Well	8.4	55	Unspecified	NICE A6 CLONE, NW-1/3RD OF STAND BURNED IN 2005 BOYCE LAKE FIRE, CONSIDER CUTTING AND EXPANDING INTO SURROUNDING STANDS
72	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	32.8	94	111-140	RED AND WHITE PINE O.S. WITH WHITE PINE U.S., SCATTERED AREAS HEAVY TO ASPEN POLES, SCATTERED OAK THRU-OUT , west 2/3rds of road on north side of this stand is overgrown and impassable, regenerate to red pine now,
74	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	40.1	13	Immature	SALVAGED MAY/JUNE 2005 AFTER BOYCE FIRE, RE-PLANTED TO RED PINE IN 2006, MIX OF PLANTED RED PINE AND NATURAL JACK PINE & OAK REGENERATION, EAST END HAS NUMEROUS SMALL ASPEN CLONES
75	4131 - Aspen, Oak	Sapling Well	31.4	14	Immature	BURNED IN 2005 BOYCE LAKE FIRE, ORIGINAL Y.O.O. IS 1981, RE-SPROUTED NICELY AFTER FIRE
77	4199 - Other Mixed Upland Deciduous	Sapling Medium	6.2	14	Immature	ORIGINALLY CUT IN 2000 BUT BURNED IN 2005 BOYCE LAKE FIRE, A3 ASPEN CLONES ON NORTH AND SCATTERED THRU-OUT WITH O2/G STAND IN THE MIDDLEAND SOUTH
79	4130 - Aspen	Sapling Well	25.0	14	Immature	OPIC - FMD: 15 YEAR OLD ASPEN BURNED IN 2005 BOYCE LAKE FIRE, ORIGINAL Y.O.O. IS 1991, RESPROUTED NICELY AFTER FIRE
80	4199 - Other Mixed Upland Deciduous	Sapling Medium	10.3	14	Immature	ORIGINALLY CUT IN 2000, BURNED IN 2005 BOYCE LAKE FIRE. MIX OF OAK, ASPEN, AND RED MAPLE, SPARSE IN NUMEROUS SPOTS
81	4131 - Aspen, Oak	Sapling Well	4.2	14	Immature	ORIGINALLY REGENERATED IN 1991, BURNED IN 2005 BOYCE LAKE FIRE, RESPROUTING NICELY
82	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	30.2	13	Immature	BURNED AND SALVAGED AFTER 2005 BOYCE LAKE FIRE, REPLANTED TO RED PINE IN 2006, MIX OF PLANTED RED PINE AND NATURAL OAK, JACKPINE, AND ASPEN REGENERATION, SCATTERED R/W PINE POLES/SL's ALSO
83	4125 - Black, N. Pin Oak	Sawtimber Well	23.0	90	111-140	N.W. CORNER BURNED IN 2005 BOYCE LAKE FIRE, FAIR TO GOOD QUALITY/SMALL SAW-LOG SIZE OAK STAND WITH SCATTERED A6 CLONES AND SOME PARTS HEAVY TO W6,



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
84	4310 - Pine, Oak Mix	Sapling Well	3.7	14	Immature	SALVAGED IN MAY/JUNE 2005 AFTER BOYCE LAKE FIRE, RE-PLANTED TO RED PINE IN 2006, SCATTERED WHITE OAK POLES AND SAWLOGS LEFT FOR VISUAL
85	42200 - Natural White Pine	Poletimber Well	40.1	71	111-140	WHITE PINE WITH SCATTERED HARDWOODS OF VARIOUS SPECIES/AGES, N1/3 BURNED IN 2005 BOYCE LAKE FIRE AND IS LESS DENSE THAN THE REST, THIN IN SOME FUTURE Y.O.E., oldest white pine planted 1927 but there lots of younger/natural white pine circa 1940/50.
86	4125 - Black, N. Pin Oak	Sawtimber Well	5.3	90	111-140	SMALL OAK SAWLOGS IN O.S. WITH R2W2 U.S., 2 AGED STAND GOING TOWARDS ALL-AGED, GROWING WELL, NO TREATMENT NECESSARY AT THIS TIME
87	4133 - Aspen, Mixed Pine	Poletimber Well	3.4	38	51-80	NORTH PART BURNED IN 2005 BOYCE LAKE FIRE, STAND IN TRANSITION TO A6
88	4131 - Aspen, Oak	Sapling Medium	4.8	6	Immature	Cut in Spring 2013, left a few white oaks for mast
89	4125 - Black, N. Pin Oak	Sawtimber Well	49.1	90	141-170	ROLLING TERRAIN WITH FAIR -GOOD QUALITY/SMALL TO MEDIUM SIZE SAWLOG OAK OVERSTORY AND WHITE PINE OR RED MAPLE UNDERSTORY, SCATTERED SOLITARY ASPEN AND ASPEN CLONES, SOME AREAS ESPECIALLY ON WEST SIDE ARE HEAVY TO WHITE PINE, north central part has lots of stump-sprout red maple/oak poles and little to no oak SL's.
90	4310 - Pine, Oak Mix	Sapling Well	30.2	24	Immature	cut 1994, planted to red pine 1995, fairly equal mix of prod pine/jack pine, and oak
91	42200 - Natural White Pine	Sawtimber Medium	31.1	55	1-50	Stand was harvested by removing everything but the white and red pine, and scattered white oak. The residual white pine is multi-aged.Red maple, bigtooth aspen and black cherry are present in the sub-canopy.
93	42200 - Natural White Pine	Sawtimber Well	35.7	68	111-140	White pine stand. Trees are larger in the NW part of stand, some white pine is XL size and older, maller with more oak in the SE part of stand. Scattered bigtooth aspen and paper birch. Large wet pocket in the SE part of stand. Parts of the stand were thinned in the spring of 2015 (Outhouse Pine).
94	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	21.4	58	51-80	Nice mixed stand, with trace amounts red oak, paper birch and white cedar. Small creek runs to NW. mostly still pole size with scattered log/XL size oak and pine
95	429 - Mixed Upland Conifers	Sawtimber Well	8.6	103	81-110	Unique hemlock stand with fire scarred white pine stumps., scattered beech and birch poles also, south and east edges are lower/wetter with a flowing stream



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
96	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	37.7	105	141-170	North part of stand was previously set up for a harvest, Due to wetlands equipment could not get to it. The stand has a lot of low areas with pits and mounds. The stand is made of mostly red pine and white pine. There is a concentration of red pine in the NE part of the stand, white pine in the S part and a combination scattered through the rest. The under-story has red maple and white pine. Scattered hemlock in the wetter areas. This stand is unique because it is approaching a late seral condition.
100	4199 - Other Mixed Upland Deciduous	Sapling Well	7.2	14	Immature	Stand is mostly oak and pin cherry from Boyce Fire, maintain as screen for Greenup and to protect ORVTrail
102	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	14.4	14	Immature	Recent surface fire set back the red maple. Small frost pocket to the east. Regen very dense in places. Pockets of bigtooth aspen. scattered red and white pine SL trees
103	4130 - Aspen	Poletimber Well	4.8	43	51-80	Recent surface fire caused light damage to some residual trees, aspen is merchantable but oak pockets are still sub-merch
105	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	47.6	137	141-170	Unique stand, mostly lowland hemlock. Super canopy white pine, trace red oak logs. Flowing water through center of stand to the northwest.
106	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	5.3	13	1-50	Stand was harvested by clearcutting (4" spec) and leaving all conifer as reserves in Fall 2005/Winter 2006.
107	4199 - Other Mixed Upland Deciduous	Sawtimber Well	16.6	120	81-110	Nice red oak mixed upland stand. Good site with quality logs. Scattered oak seedlings. No vehicle access currently w/o extensive road building.
108	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	31.0	48	51-80	for aspenPole size mixed upland aspen and pine with oak and white pine sawlogs. Two-aged stand, parts are solid A6, other parts are O9M3, Plow line through central part of stand, surface fire in west part, little to no damage to residual when under-burned in 2005,
109	42290 - Natural Mixed Pine	Poletimber Well	11.9	60	111-140	Stand size is still mostly pole but transitioning to sawlog size, Mostly white pine, trace jack pine, scattered small aspen clones.
110	42290 - Natural Mixed Pine	Poletimber Well	11.7	52	81-110	Mixed pine, some areas are solid white pine. Surface fire in NW part of stand.
112	4119 - Mixed Northern Hardwoods	Sapling Well	19.2	14	Immature	Stand was clearcut in 2005. Poor stemmed white oak was left., filling in nicely with aspen and red maple, oak regent is coming but is slow
113	4131 - Aspen, Oak	Poletimber Well	5.6	48	Unspecified	nice A6 stand, could be regenerated this YOE but should hold ok for 10 more years, check MA analysis



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
115	42101 - Planted White Pine, Mixed Deciduous	Sawtimber Well	11.1	95	111-140	Aspen healthy as is the white pine, white pine poor to decent quality with some weeviling, should be able to go another 10 years on this stand, Nice cohort of white pine poles and saplings. Oak is poor quality, canopy species are not evenly distributed.
116	4199 - Other Mixed Upland Deciduous	Poletimber Well	27.8	38	1-50	Stand was clearcut about 1980 but no records found, currently healthy and vigorous. Canopy species distribution is variable. Trace red pine in canopy.
117	4199 - Other Mixed Upland Deciduous	Sapling Well	81.3	14	Immature	Stand was clearcut. in 2005, Poor quality white oak sawlogs left as reserves, some areas are A3 but other areas are fairly sparse with oak and red maple only
118	4126 - White, Black, N. Pin Oak	Sawtimber Poor	13.4	81	1-50	Stand was harvested by cutting all species except white oak. Mixed oak regen is present, much of it is still less than three feet tall.
120	4131 - Aspen, Oak	Sapling Medium	19.5	16	Immature	Stand was clearcut except for the white oak, numerous less dense areas
122	4130 - Aspen	Poletimber Well	70.2	53	Unspecified	nice pole size aspen stand, mostly upland but a few areas are low and wet
123	6120 - Lowland Cedar	Sawtimber Well	41.3	113	111-140	Cedar/lowland conifer swamp. Scattered super canopy aspen and white pine. Pockets of blowdown throughout.
124	4130 - Aspen	Poletimber Well	39.3	48	81-110	mostly A6 with parts A9, east central part is wetter/lower terrain, NW corner is heavy to white pine
125	42210 - Natural Red Pine	Sawtimber Well	7.8	81	111-140	Small healthy stand, but jp/aspen/ are declining, red maple doing ok, red pine topped out, ba 's =160, 140, 150 but there are numerous areas where ba's are 50-60,
126	4113 - R.Maple, Conifer	Sapling Well	2.7	38	51-80	Stand was clearcut ~ 30-40 years ago, mix of red maple , aspen, and white pine
128	4130 - Aspen	Sapling Well	5.4	28	Unspecified	Stand was clearcut approx. early 90's but no cutting records were found, scattered conifers thru-out stand also, small stand and difficult to access due to M-18, power line, and surrounding wet terrain
129	4199 - Other Mixed Upland Deciduous	Poletimber Well	33.8	33	Immature	Stand was clearcut approx. 30+ years ago. The oak is just entering the pole class. ranges from E3 with scattered oak logs and poles to aspen just reaching pole size
131	4123 - Red Oak	Sawtimber Well	8.0	109	81-110	Thinned west 1/2 with the stand to the west in the adjacent compartment, treated in early spring 2012 by cutting all trees marked with orange paint, east 1/2 has heavy white pine underscore and was not thinned, maintain entire stand for regeneration purposes as white pine should gradually fill in to west 1/2, oak is decent quality



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
132	4123 - Red Oak	Sawtimber Well	5.4	120	81-110	Red oak stand with dense balsam fir understory, small/narrow/isolated stand, would be better to retain this for mast next to the swamp as it's not worth treating
133	6127 - Lowland Pine	Sawtimber Well	7.4	122	81-110	White pine stand with lots of wet pits and mounds so not very operable, possible Type 1 Old Growth if left alone.
134	6120 - Lowland Cedar	Poletimber Poor	9.5	103	Unspecified	Wet tag alder. Cedar, balsam fir and red maple. May be non-forested next YOE if water levels continue to rise.
135	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	8.2	33	51-80	Red maple and bigtooth aspen removed 25-30 years ago. White pine and red pine were left. lots of wet runs within stand.
136	4130 - Aspen	Poletimber Well	8.0	50	Unspecified	variable terrain with at least one drain towards the south end, regenerate now for aspen management or should hold okay for next 10 years, check MA analysis
137	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	2.3	28	51-80	removed Aspen and red maple approx.. late 1989's or early 1990's, pine and other conifers were left, pockets of hemlock
139	4130 - Aspen	Sapling Well	11.1	26		Stand was clearcut , transitioning to pole size
140	4130 - Aspen	Poletimber Well	29.0	35		Stand was clearcut in 1984-87
141	4130 - Aspen	Poletimber Well	19.4	35	Immature	Stand was clearcut 1984-87. Swale runs east and west through central part of stand.
142	4130 - Aspen	Sapling Well	16.3	26		Stand was clearcut 1993
143	4130 - Aspen	Poletimber Well	8.2	35	Immature	Stand was clearcut 1984-87, in transition to pole size
144	4130 - Aspen	Poletimber Well	24.3	35	Immature	Stand was clearcut 1984-1987
145	4130 - Aspen	Sapling Well	18.7	26		Stand was clearcut Ln 1993, starting to transition to pole size
146	4130 - Aspen	Sapling Medium	22.6	26		Stand was clearcut in 1993, A3 transitioning to A6 but with some sparse areas
147	4131 - Aspen, Oak	Poletimber Well	19.2	35		Stand was clearcut 1984-87
148	4130 - Aspen	Sapling Well	16.9	26		Stand was clearcut in 1993, some pole size aspen but still overall sapling size, White pine now moving into the open landing areas.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
149	4199 - Other Mixed Upland Deciduous	Sapling Well	20.2	14	1-50	Two-aged stand with white oak overstory. Stand was clearcut, white oak was left. Regen is aspen and red maple with scattered white pine saplings
150	4130 - Aspen	Poletimber Well	26.0	36		Stand was clearcut 1983. scattered white pine poles, Balsam fir in the understorey in west part of stand., transitioning to pole stand
152	4130 - Aspen	Sapling Well	11.1	26		Cut 1993
153	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	9.1	93	Unspecified	Mixed lowland forest between 2 beaver floodings, wet with flowing stream, maintain as is for BMPs
154	4125 - Black, N. Pin Oak	Sawtimber Well	2.4	95	81-110	May have cut out aspen and red maple in 1993, oak decent quality but stand is small, possibly treat with oak stand to the south in 2019, leave white oak for mast
155	4125 - Black, N. Pin Oak	Sawtimber Well	2.6	94	81-110	May have cut out aspen and red maple in 1993, oak is decent quality but stand is small, possibly treat with oak stand to the south, leave white oak for mast
156	42360 - Upland Cedar	Sawtimber Medium	3.5	113	111-140	Cedar/lowland conifer swamp. Scattered super canopy aspen and white pine. Pockets of blowdown throughout. some spots with tag alder.
157	4126 - White, Black, N. Pin Oak	Sapling Well	16.0	38	51-80	Stand was clearcut about 30-40 years ago but no records found for treatment
158	42210 - Natural Red Pine	Sawtimber Medium	7.5	76	51-80	Wet pocket with alder in the NW corner. Dense balsam fir understorey in some places. Aspen senescing and some red pine. Well developed pole/sapling class. Canopy red pine is variable with diameters ranging from 6-18 inches. High water table large growth rings. Trace white in the understorey. Stand was thinned to 60-80 BA centering on red pine in the spring 2015.
160	4133 - Aspen, Mixed Pine	Poletimber Well	23.0	33		Cut in 1986., just at pole sizes, Small scattered seasonally wet areas.
161	42110 - Planted Red Pine	Sawtimber Medium	17.3	91	51-80	Stand was harvested by clearcutting all species except red pine in 1994 Red pine is the main canopy species. Density and distribution is variable. sub canopy is almost pole-size and starting to be in canopy
162	4199 - Other Mixed Upland Deciduous	Poletimber Well	15.9	43	1-50	Stand was clearcut 35-40 years ago but spec record found, mix of red maple/aspen/oak
164	4125 - Black, N. Pin Oak	Sawtimber Well	24.7	93	51-80	Red and black oak stand with some nice red oak canopy trees. Stand was previously harvested by removing the red maple and aspen but no records were found as to when. White pine saplings developing in the understorey. Many old large white pine stumps. Red maple understorey just reaching the canopy.

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 26
Year of Entry: 2020

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
165	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	15.3	33	51-80	Stand was clearcut 25-30 years ago. Could not find a cutting record.
166	42110 - Planted Red Pine	Sawtimber Medium	2.7	91	81-110	Small Red Pine stand. Stand was thinned in the spring 2015 to a 60-80 BA. Some of the larger oak was left also
167	4122 - Oak, Pine	Sawtimber Well	11.5	103	141-170	Small narrow stand along Mid Forest Rd., aspen and jack pine declining and are poor quality, north end is mostly oak, south end is mostly white pine, possibly thin stand to remove poor quality stems or just leave alone for visual.
168	42120 - Planted Jack Pine	Sapling Well	16.9	24	Immature	Jack pine plantation with trace amounts of aspen, red maple and oak, cut 1994 and planted 1995
169	4122 - Oak, Pine	Sawtimber Well	4.5	103	111-140	oak/pine knob, mostly oak/rp/wp but also scattered red maple/aspen/jack pine, possibly thin now or hold for visual on MFL Road.
170	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	7.2	24		fill in planted 1995, scattered larger jack pine, red pine, and oak
171	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	8.4	92	111-140	Nice stand, good to leave for visual along road, steep terrain in spots but mostly operable, thin if treated due to visual concerns



Stand	Cover Type	Acres	Managed Site	General Comments:
1	320 - Upland Shrub	1.6	No	Stand burned in the 2005 Boyce Lake Fire but was fairly open to start, scattered red pine, white pine, and oak SL trees that are still doing OK after the fire, ORV trail goes thru the stand, leave for now as an non-maintained opening
3	710 - Sand, Soil	0.9	No	RDR - New ORV playground since Mallory Hill RDR was rehabbed
33	623 - Emergent Wetland	55.7	No	OPIC - FMD: EAST END OF LARGE MARSH/WETLAND COMPLEX AROUND DUCK LAKE/BOYCE LAKE, S.C.A. = PART OF ORIGINAL OLD GROWTH PLAN
38	622 - Lowland Shrub	2.8	No	
40	320 - Upland Shrub	4.1	No	UPLAND BRUSH WITH ENCROACHING CONIFERS
43	622 - Lowland Shrub	2.7	No	OPIC - FMD: LOWLAND BRUSH AREA WHERE STAND #37 DID NOT REGENERATE WHEN CUT IN 1991
51	3303 - Mixed Low Density Trees	2.6	No	ISMALL NON-MAINTAINED OPENING with encroaching jack pine
53	6224 - Treed Bog	3.2	No	TREED BOG
57	629 - Mixed non-forested wetland	2.6	No	small wet pothole
70	320 - Upland Shrub	1.3	No	SMALL "U" TYPE WITH ENCROACHING CONIFERS, clearcut and plant red pine
76	310 - Herbaceous Openland	14.4	No	TRANSMISSION LINE/PIPELINE R.O.W., SECTIONS ARE ALSO "X" DUE TO ROAD AND ILLEGAL ORV USE
78	330 - Low-Density Trees	10.1	No	BURNED AND REGENERATED DURING 2005 BOYCE LAKE FIRE, ORIGINAL Y.O.O. IS 1977, SCATTERED POLE-SIZE/SAWLOG SIZE R/W PINE WITH SPARSE HARDWOOD REGENERATION, 2 AGEE OF TREES, MAINTAIN IN SEMI-OPEN CONDITION UNTIL SURROUNDING STANDS ARE TREATED
92	623 - Emergent Wetland	2.6	No	small wet pocket of emergent marsh/cat-tail
97	500 - Water	26.8	No	Series of beaver dams/floodings.
98	310 - Herbaceous Openland	52.6		Stand final harvested in the Spring 2015. retention island left on far west edge. trenched 2015 and planted to red pine in 2016. Had a 1 year regeneration check in 2017 and was replanted in 2018. Needs a release spray due to heavy cherry brush. Released sprayed in 2018.
114	122 - Road/Parking Lot	15.3	No	M-18 ROW



Stand	Cover Type	Acres	Managed Site	General Comments:
119	629 - Mixed non-forested wetland	3.2	No	lowland shrub with some hardwood and conifer trees
121	330 - Low-Density Trees	4.3	No	Frost pocket which did not regenerate well to aspen, also site of former landing when surrounding aspen was cut, scattered oak/aspen/red maple/jack pine saplings
127	110 - Low Intensity Urban	1.8	No	Power-line ROW, very sandy
130	6220 - Alder/willow	3.6	No	
138	500 - Water	9.1	No	
151	500 - Water	9.4	No	beaver flooding?
159	110 - Low Intensity Urban	3.7	No	Mid-Forest Lodge Road ROW
163	6233 - Wet Meadow	2.4	No	Looks like old beaver pond.