



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71064

Entry Year 2020

Acreage: 4,627

County Roscommon

Management Area: AuSable Outwash

Revision Date: 2018-07-26

Stand Examiner: Doug Bates

Legal Description:

Sections 5-7 & 18, T24N-R1E, Ogemaw County and Sections 1-2 & 11-13, T24N-R1W, Roscommon County

Identified Planning Goals:

Vegetation management in the Ausable Outwash Management Area will provide timber products, maintain or enhance wildlife habitat, protect areas of unique character including threatened, endangered and special concern species, and provide for forest-based recreational uses. Timber management for the next ten years will focus on improving the age class structure of aspen, harvesting older jack pine and regeneration of red pine and oak to help balance age classes. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity.

Soil and topography:

Soils on the uplands consist mainly of Grayling sands and Croswell sands.
Soils on the lowlands consist of Tawas-Lupton and Deford mucks.
Topography is generally very flat.

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

The compartment does not have any private property in-holdings within its boundary. Private property along the west side is mostly agricultural fields with the private parcels on the east side being recreational properties.

Unique Natural Features:

None

Archeological, Historical, and Cultural Features:

An area of concern in the southern portion.

Special Management Designations or Considerations:

The kirtland management area starts immediately to the east of this compartment.

Watershed and Fisheries Considerations:

The East Creek flows through the compartment at the south end.

Wildlife Habitat Considerations:

This compartment has a heavy aspen component with intersecting drainages. In the extreme SW of the compartment there are 3 maintained wildlife openings that are managed in conjunction with the Keno grassland in the adjacent compartment. Maintain aspen in various age classes to benefit game species such as grouse, woodcock, turkey and deer. Where opportunities exist, manage adjacent hardwoods for mast production.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are not located in the area. Sand potential within the compartment appears to be good in places. Hydrocarbon production is occurring in the St Helen Field just outside the compartment. The field has produced over 8.7 million BO and 14.7 Bcf gas from the Devonian Richfield Formation and is in secondary recovery operations currently. Hydrocarbon potential beneath the compartment is considered low, and there are currently no active oil and gas leases in the compartment. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Very good vehicular access with several seasonal county roads traversing the area with numerous well used forest roads emanating off of them.

Survey Needs:

No corners are needed at this time for prescribed treatments.

Recreational Facilities and Opportunities:

Snowmobile Trail 9 occurs just East of the dividing county line. The remote Midland to Mackinaw Scout Trail occurs West of the dividing county line. A short interpretive and educational trail is located in the Red Pine Natural Area. The mixed forest cover types attracts dispersed recreation for berry / mushroom picking, deer hunting and small game hunting, camping, and wildlife viewing. (A.2018)

Fire Protection:

Compartment has a large percentage of high hazard fuel types and is in the Zone 3 pre-planned dispatch area. Access for fire suppression is good via county section-line roads.

Additional Compartment Information:

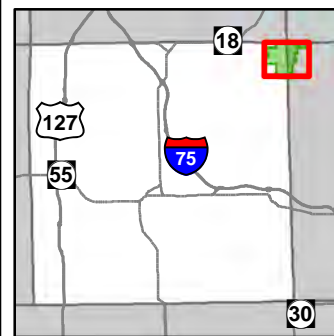
The following reports from the Inventory are attached:

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

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

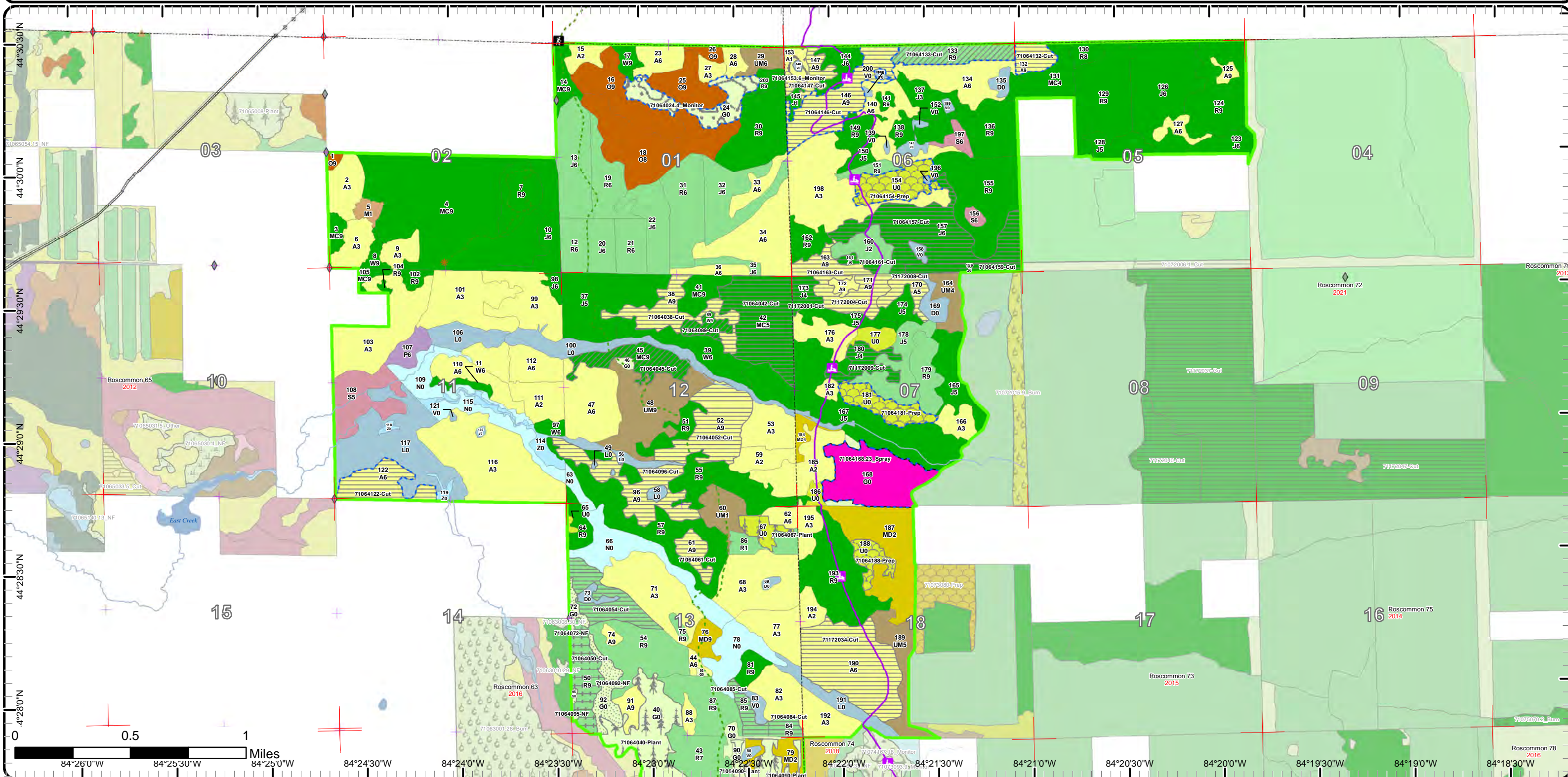
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

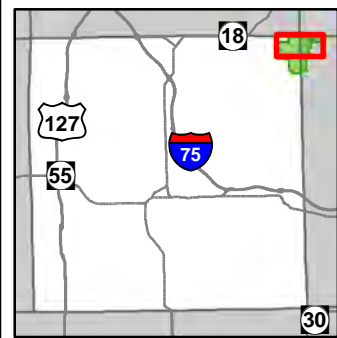


Compartment: 64
 T24N, R01E, Sec. 4-7, 18
 T24N, R01W, Sec. 1, 2, 11-13
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2020
 Acres: 4,627 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 12/27/2018
 Map Phase: Post-Review

- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- Hiking Trails
- Snowmobile Trails
- - - Designated Hiking Trails
- - - Designated Snowmobile Trails
- ★ Trailhead
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- **INCORRECT ATTRIBUTES****
- Planting (tree species)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Mowing
- Site Prep
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

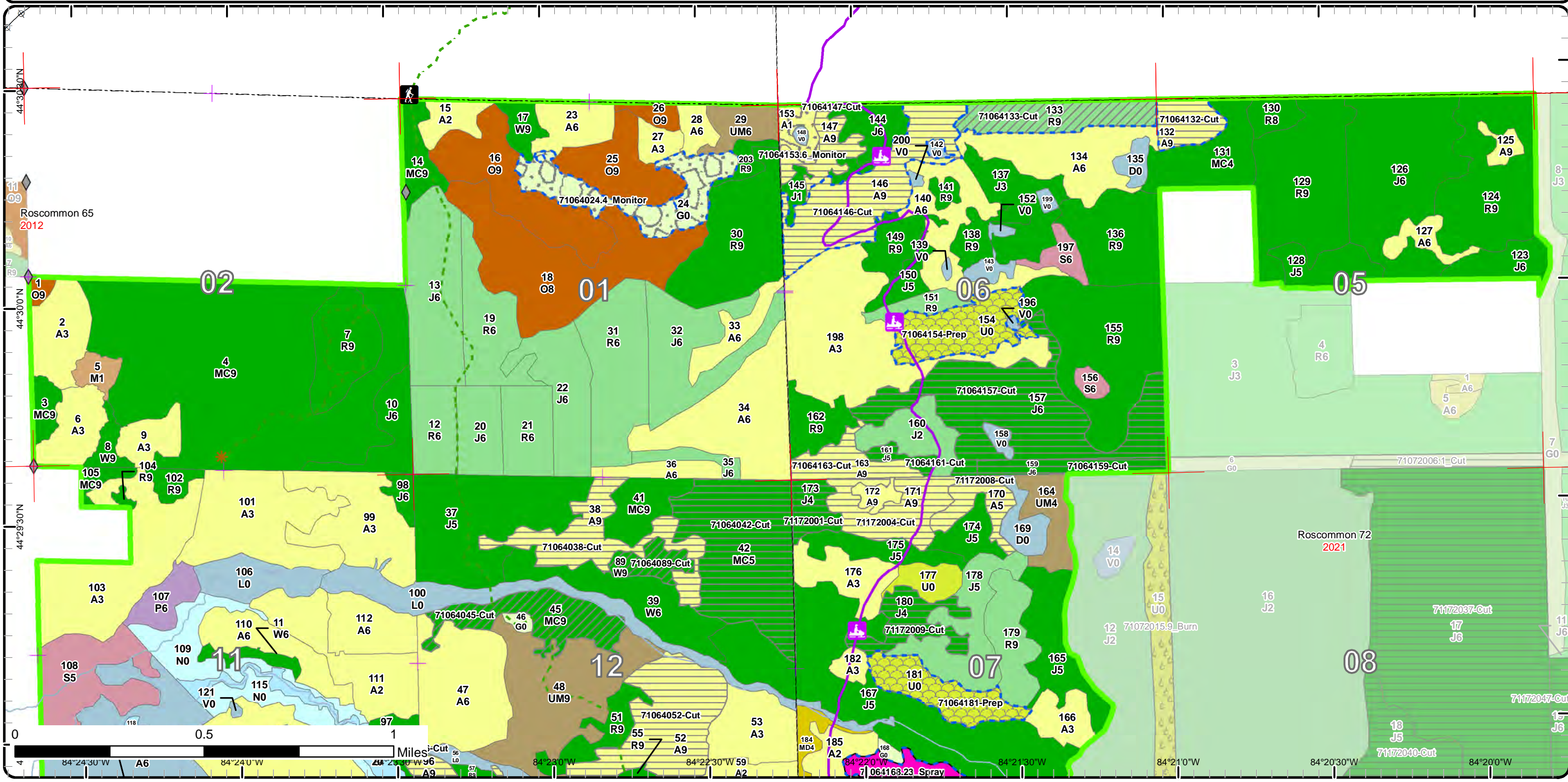


Cover Type & Treatments Map

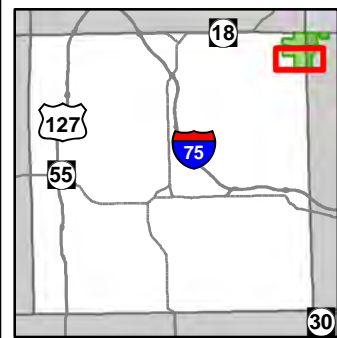


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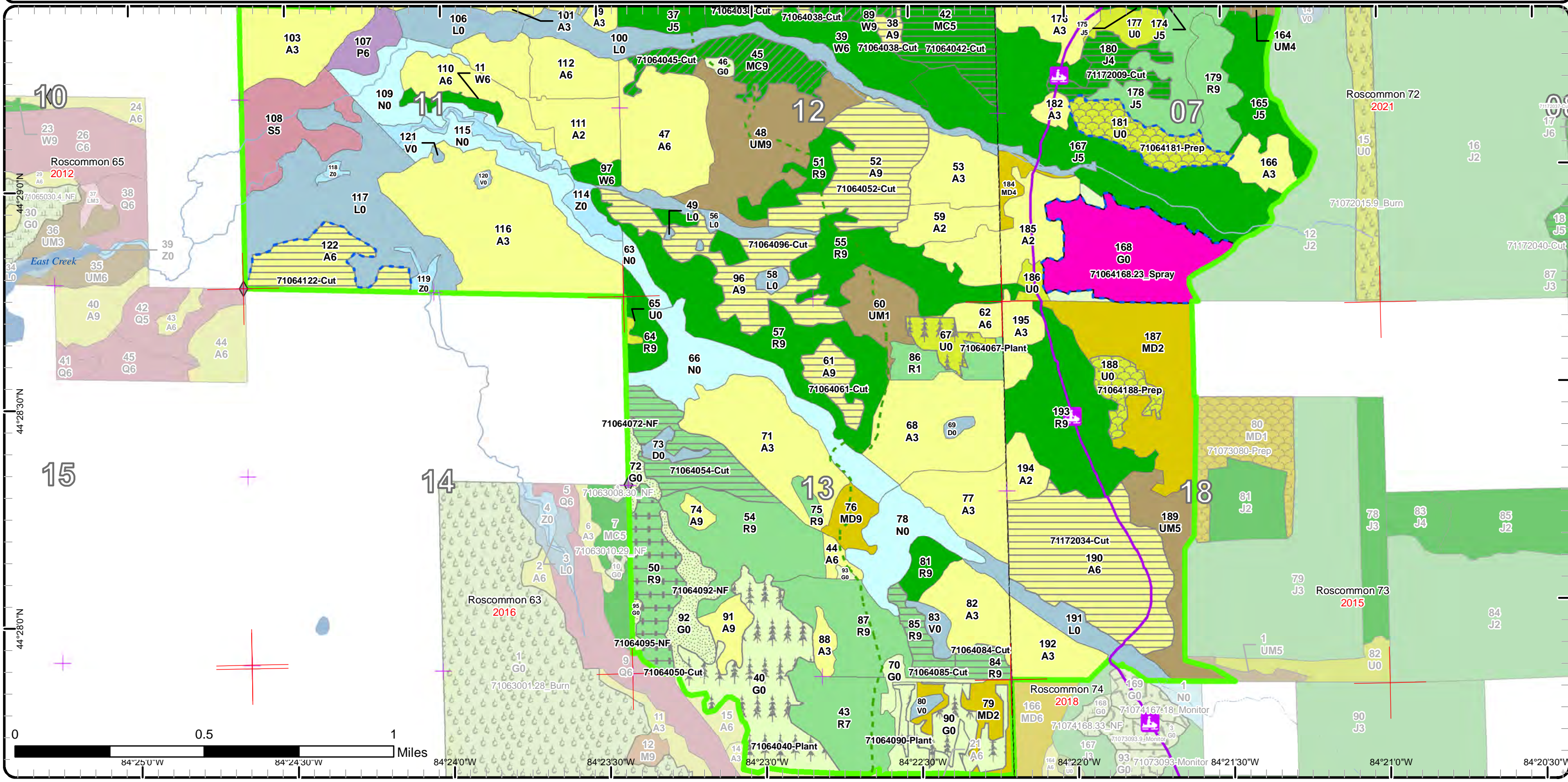


Cover Type & Treatments Map



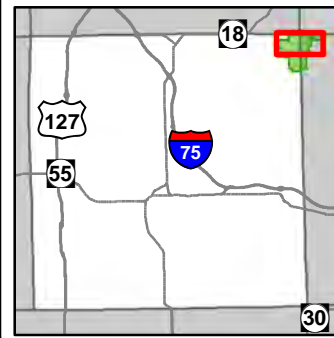
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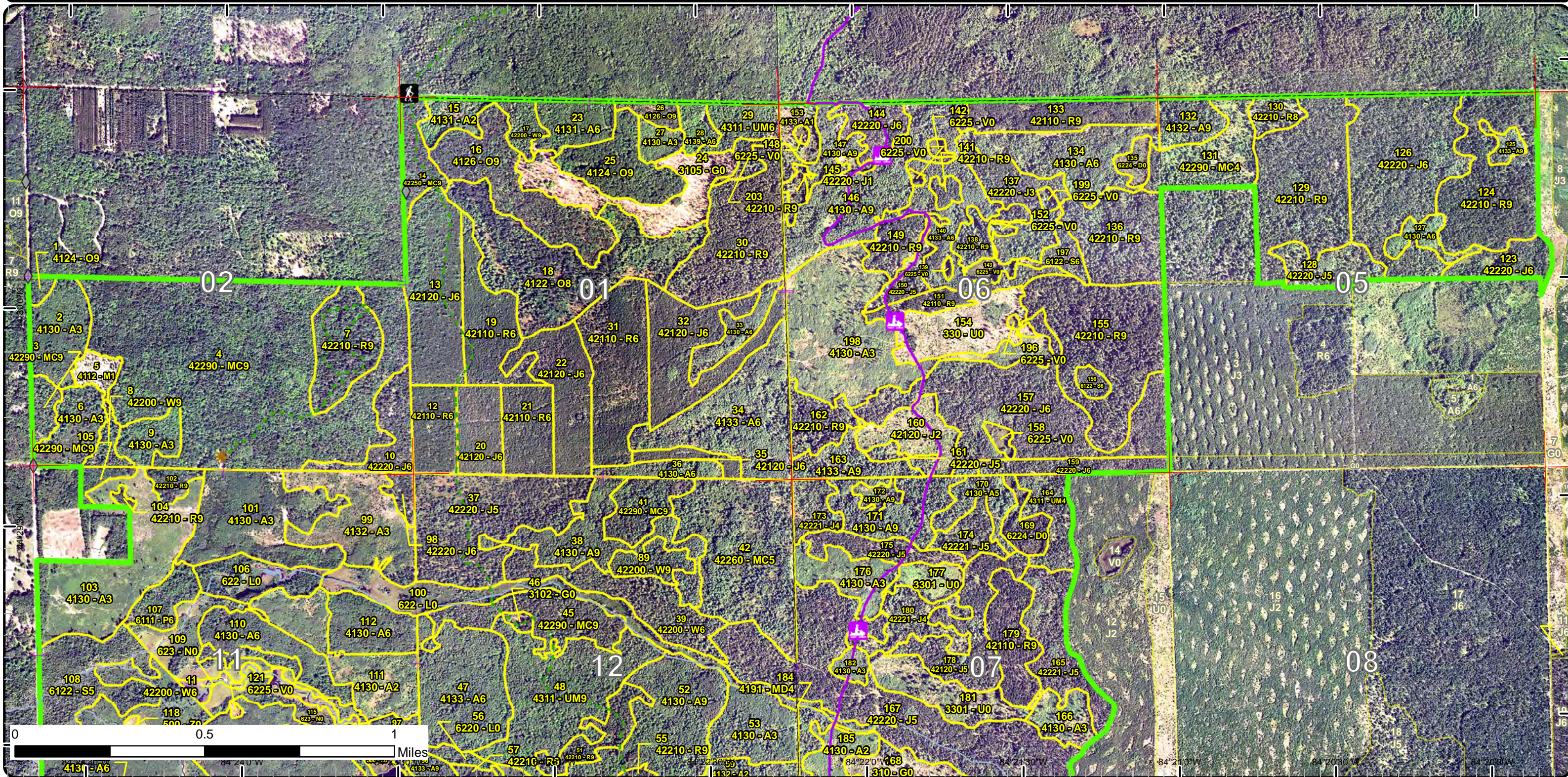


Stand Boundary Map

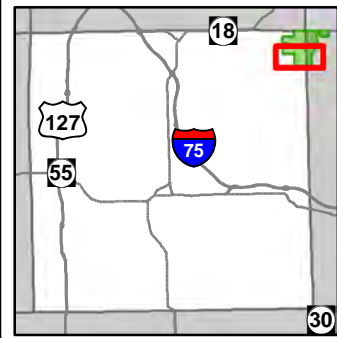
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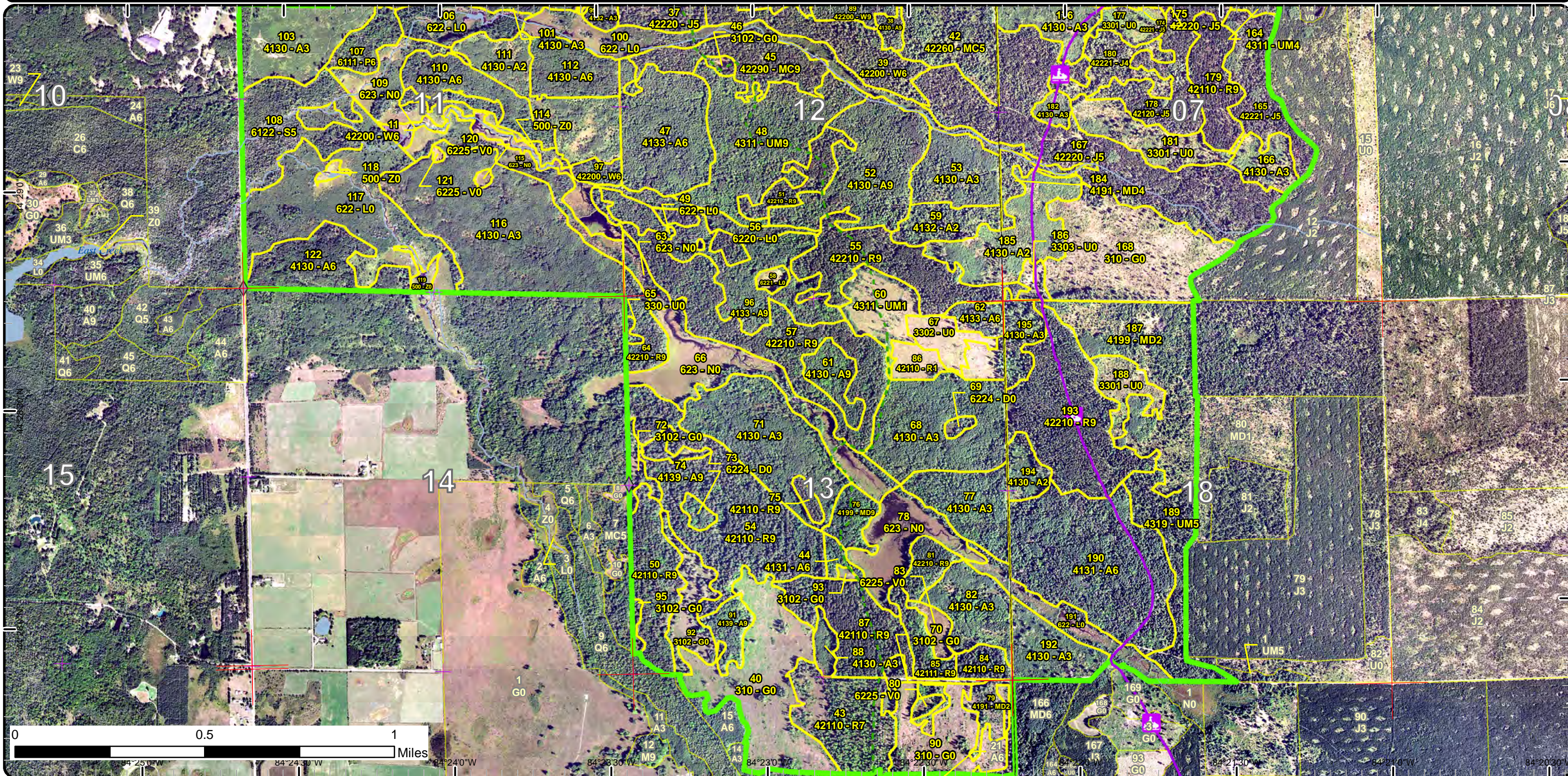
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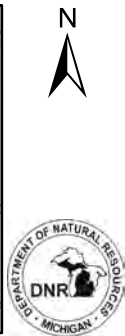
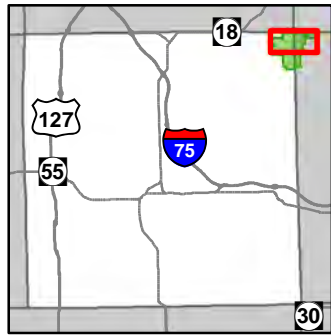
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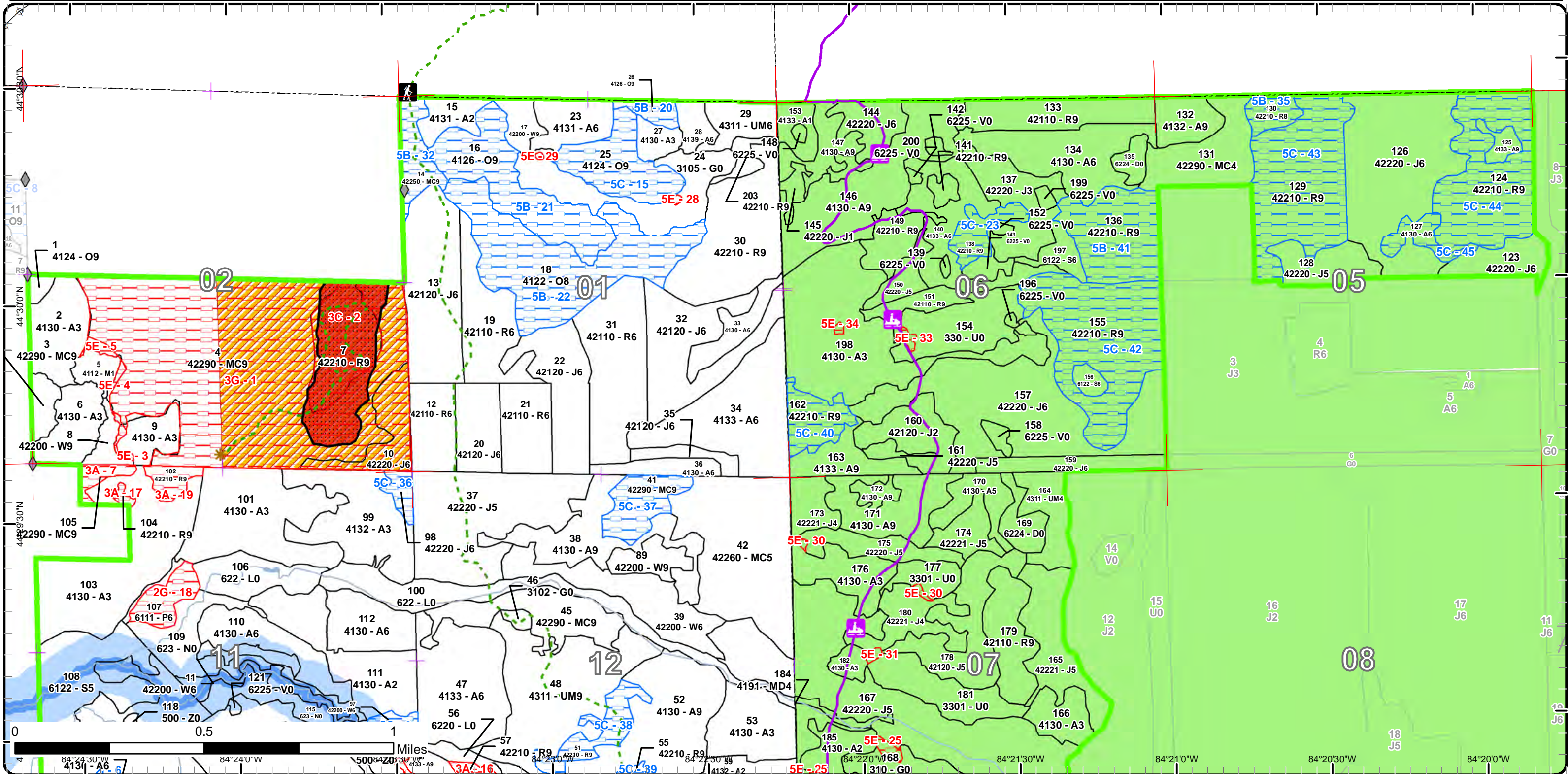


Special Conservation Areas & Site Conditions Map

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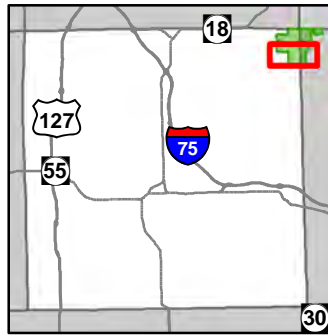


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|---|---|--|
| <ul style="list-style-type: none"> — Miris Corners + Remonumented Section Corners ◆ Field Grade Corners --- Counties 👤 Hiking Trails 🏠 Snowmobile Trails --- Designated Hiking Trails --- Designated Snowmobile Trails ★ Trailhead — Lake/Pond — Perennial River — Lakes and Rivers All — Compartment Boundary | <ul style="list-style-type: none"> ☐ 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) 3A: Conservation Values incompatible with harvest at this time 3C: Legally Designated Quiet Area, Natural Area, or Wilderness 3G: Other Influence zones - See comments 5E: Long-Term Retention ☐ Stand Boundaries | <ul style="list-style-type: none"> ☐ SCA ☐ Ecological Reference Areas ☐ Natural Rivers Vegetative Buffer ☐ Natural Rivers Zoning District ☐ Kirtland Warbler Habitat ☐ Natural Areas Legally Dedicated ☐ Cold Water Streams ☐ Possible Type 1 Old Growth |
|---|---|--|

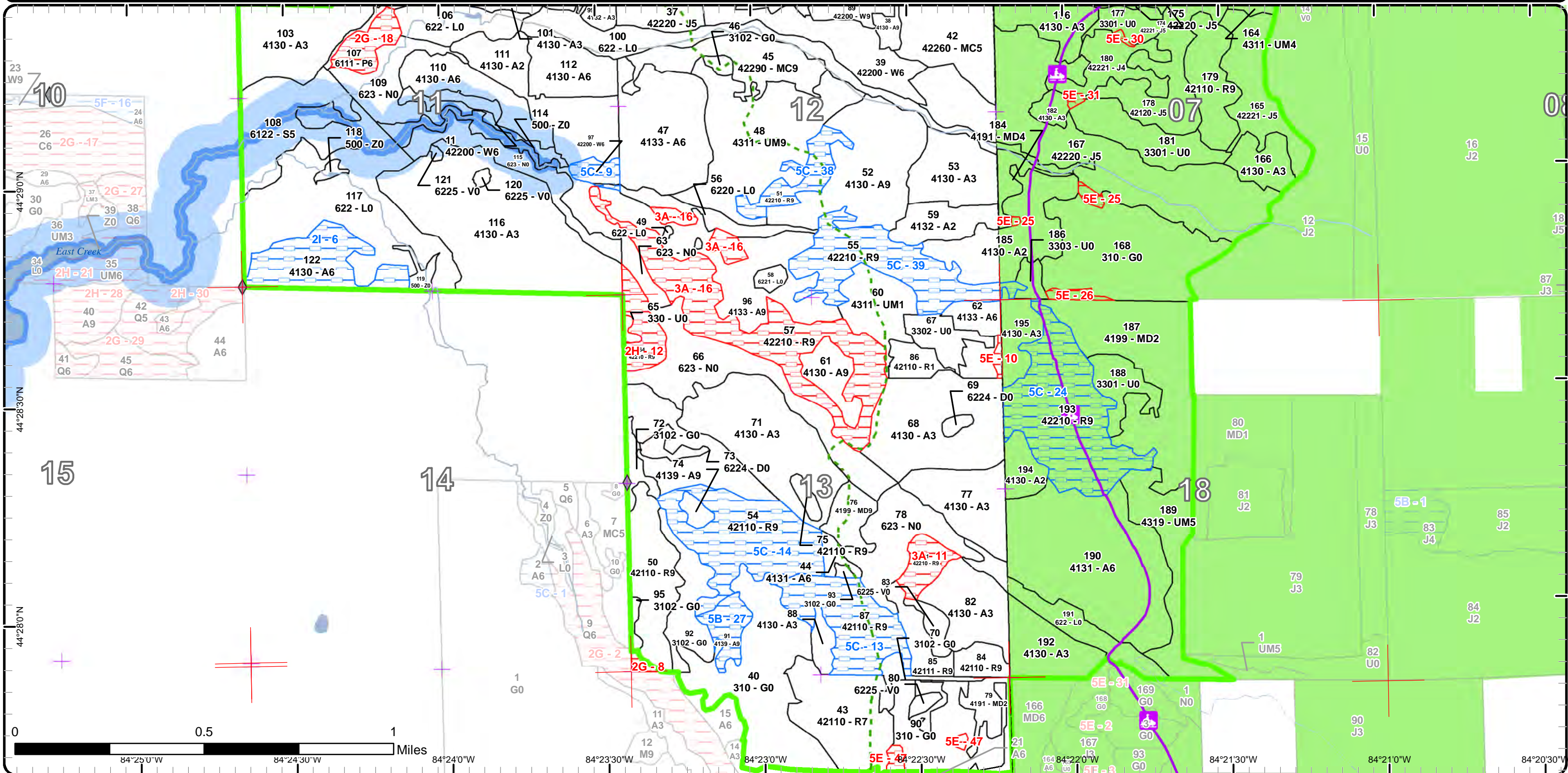


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 5E: Long-Term Retention
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Kirtland Warbler Habitat
- Cold Water Streams
- Cold Water Lakes



Report 1 – Total Acres by Cover Type and Age Class

Mgt. Unit
: Examiner

Compartment

Year of Entry



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	
	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	#Error	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2020

Acres of Harvest

Compartment 64
Total Compartment Acres: 4,627

Commercial Harvest - 603
Harvests with Site Condition - 118
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	384	0	0	0	0	0	0	0	0	384
Jack Pine	127	0	0	0	0	0	0	0	0	127
Natural Mixed Pines	68	0	0	0	28	0	0	0	0	97
Red Pine	49	0	0	0	26	29	0	0	0	103
White Pine	0	0	0	0	10	0	0	0	0	10
Total	628	0	0	0	64	29	0	0	0	721

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	721	64	93	0	0	61	40	0	25	1004
Next Step	0	336	209	0	13	320	1186	0	38	2102
Total	721	400	302	0	13	381	1226	0	64	3106



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
24	71064024.4_Monitor	32.5	3105 - Mixed Upland Herbaceous	Nonstocked		Unspecified	Monitoring	Natural Regen (Re-Inventory)	413 - Aspen	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition: Long-Term Retention								
<u>Prescription</u> Not enough time for acceptable regeneration to develop at time of inventory. Re-monitor regen at next inventory.											
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u> Well stocked Aspen.											
<u>Regen:</u>											
<u>Other</u> Percent to Treat = 100%											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 7 /10/2017											
38	71064038-Cut	33.4	4130 - Aspen	Sawtimber Well	50	81-110	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Final harvest all species to two inches. Place a retention island around the vernal pond located in the northern most portion of the stand west of stand 41. Make it about 3% of the stand area. Place drumming log specs.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Aspen with other pine/mixed deciduous to moderate stocking.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											
40	71064040-Plant	61.2	310 - Herbaceous Openland	Nonstocked	0	Unspecified	Planting	Initial Plant	4211 - Planted Red Pine	Even-Aged	Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> plant to red pine.											
<u>Specs:</u>											
<u>Next Step</u> Pesticide, Skidder - Release; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)											
<u>Treatments:</u>											
<u>Acceptable</u> fully stocked red pine plantation with 80 percent free to grow.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2018											
42	71064042-Cut	68.4	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	35	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Final harvest all species to two inches. No retention due to species conversion. The stand's stocking levels are low so may be able to harvest stand and not have it chipped for trenching purposes. Definitely need to make sure the tops are scattered out evenly over the stand and not windrowed.											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Roller Chopping; Pesticide, (Inactive)Skidder/Mechanical; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial											
<u>Treatments:</u> Regen(1yr); Monitoring, Artificial Regen(3yr)											
<u>Acceptable</u> A fully stocked red pine plantation with 80% free to grow.											
<u>Regen:</u>											
<u>Other</u> After treatment the site may require additional site prep activities from roller chopping any woody materials under two inches, herbiciding the site											
<u>Comment:</u> before planting to stop any woody competition for the red pine. The aspen clones will be allowed to come back and will not the treated post harvest. Will be gone around.											
<u>Proposed Start Date:</u> 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
45	71064045-Cut	28.4	42290 - Natural Mixed Pine	Sawtimber Well	58	141- 170	Harvest	Low Thinning	42290 - Natural Mixed Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Thin the stand to a basal area between 90 and 110 and manage for crop trees. Start by removing all the aspen and jack pine. Then remove most of the oaks. They are poor quality and shading out some good pines. Leave those oaks that are away from the pine, in a more open area, for future mast. Now target removal of the suppressed poor quality trees managing for best tree in place. When it comes down to removal of a white or red pine, remove the white first.

Next Step Monitoring, Natural Regen (Re-Inventary)

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

50	71064050-Cut	28.8	42110 - Planted Red Pine	Sawtimber Well	81	111- 140	Harvest	Overstory Removal	4119 - Mixed Northern Hardwoods	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all red pine, jack pine, and merchantable aspen/balsam poplar. Protect maple regeneration.

Specs:

Next Step

Treatments:

Acceptable Fully stocked maple, aspen, and other mixed deciduous.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

52	71064052-Cut	51.7	4130 - Aspen	Sawtimber Well	49	111- 140	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest all species to two inches. Place two retention islands within stand of 1.5-2 acres each. Place one on either side of the Do not harvest any red/white pine over 24 inches in diameter. Place the drumming log spec. in this sale.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventary)

Treatments:

Acceptable Aspen with mix of pine and maple to a full stocking.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

54	71064054-Cut	30.7	42110 - Planted Red Pine	Sawtimber Well	81	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest all species to two inches. Retention can be buffer around vernal pond. Require chipping and low stumps. Use necessary site prep and plant to red pine.

Specs:

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

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

Acceptable Fully stocked red pine plantation that is at least 80 percent free to grow.

Regen:

Other

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
61	71064061-Cut	11.9	4130 - Aspen	Sawtimber Well	48	111- 140	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2 inches at DBH and larger. Leave all red and white pine 24 inches at DBH or larger. No other retention due to small stand size.

Specs: Include drumming log spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked aspen with other deciduous.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

67	71064067- Plant	11.0	3302 - Low Density Conifer Trees	Nonstocked	0	Unspec ified	Planting	Initial Plant	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Replant site to red pine. Previous red pine planting failed. Release spray if necessary to get 80% free to grow on red pine.

Specs:

Next Step Pesticide, Skidder - Release; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable Planted red pine to moderate stocking 80 percent free to grow..

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2018

72	71064072-NF	5.4	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 6.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

84	71064084-Cut	7.4	42110 - Planted Red Pine	Sawtimber Well	81	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2 inches at DBH and larger. Require chipping and low stumps. Do necessary site prep (may include roller chop, site prep spray,

Specs: trench, release spray) and plant red pine.

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

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

Acceptable Fully stocked red pine plantation.

Regen:

Other

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
85	71064085-Cut	10.6	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	81	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2 inches at DBH and larger. Require chipping and low stumps. Do necessary site prep (may include roller chop, site prep spray, trench, release spray) and plant red pine.

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

Acceptable Fully stocked red pine plantation.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

89	71064089-Cut	10.1	42200 - Natural White Pine	Sawtimber Well	60	111-140	Harvest	Low Thinning	4220 - Natural White Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thinned out the stand starting with removal of all aspen. From here start targeting the suppressed, poor quality pines and mags for crop trees.
Specs: The target basal area would be between 80-100. In areas of the red pine target removal of the poor quality ones, then those of larger diameters. Any red pine over 24 inch dbh leave.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

90	71064090-Plant	20.6	310 - Herbaceous Openland	Nonstocked	0	Unspecified	Planting	Initial Plant	4211 - Planted Red Pine	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription plant red pine for plantation

Specs:

Next Step Pesticide, Skidder - Release; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable planted red pine plantation with 80% free to grow red pine.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2018

92	71064092-NF	18.0	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Mowing	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 8.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
95	71064095-NF	1.9	3102 - Grass	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 7.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

96	71064096-Cut	43.5	4133 - Aspen, Mixed Pine	Sawtimber Well	49	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2 inches at DBH and larger. Leave all red pine and white pine that is 24 inches at DBH and larger. Leave standard retention.

Specs: Include drumming log spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked aspen with some pine and maple mixed in.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

122	71064122-Cut	29.3	4130 - Aspen	Poletimber Well	52	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Survey Needed**

Prescription Cut all trees 2 inches and larger at DBH. Focus 3-10% retention around wet areas. Access from F-97 will be difficult - culvert is likely needed.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen mixed with balsam and maple.

Regen:

Other Site condition forester might need to be involved for access to the stand. A survey is also needed.

Comment:

Proposed Start Date: 10/1 /2019

132	71064132-Cut	12.6	4132 - Aspen, Jack Pine	Sawtimber Well	45	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Long-Term Retention**

Prescription Cut all trees 2 inches at DBH larger. Leave retention according to the retention guidelines. Include drumming log spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked aspen with white pine, oak, and jack pine mixed in.

Regen:

Other

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
133	71064133-Cut	25.8	42110 - Planted Red Pine	Sawtimber Well	60	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

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

Prescription Thin stand down to an average BA of 110 ft²/acre. Take out suppressed and poor form trees first, then mark for even spacing.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

146	71064146-Cut	50.1	4130 - Aspen	Sawtimber Well	50	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition: Long-Term Retention**

Prescription Cut all trees 2 inches at DBH and larger. Exclude vernal pools and leave standard retention. Leave drumming logs for grouse. Include

Specs: snowmobile trail protection specs.

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Mostly aspen with white pine, red maple, and oak mixed in.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

147	71064147-Cut	12.9	4130 - Aspen	Sawtimber Well	50	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Cut all trees two inches and larger at DBH. Leave standard retention and drumming logs for grouse. Include snowmobile trail protection specs.

Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Aspen with some hardwoods and white pine mixed in.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

29	71064153.6_Monitor	7.7	4311 - Pine, Aspen Mix	Poetimber Well	32	51-80	Monitoring	Natural Regen (Re-Inventory)	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Not enough time to allow regeneration to develop at time of inventory in 2018. Re-monitor at time of next inventory.

Specs:

Next Step

Treatments:

Acceptable

Any mix of hardwoods and white pine are acceptable regeneration

Regen:

Other

Percent to Treat = 100%

Comment:

Proposed Start Date: 10/31/2017



Standa	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
154	71064154-Prep	28.9	330 - Low-Density Trees	Nonstocked			SitePrep	Roller Chopping	4211 - Planted Red Pine	Even-Aged	Field Boundary

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

Prescription Roller chop present woody vegetation and then prep site with spray, trench, and plant with red pine.

Specs:

Next Step Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable red pine plantation tp full stocking with 80 percent free to grow.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2018

157	71064157-Cut	81.5	42220 - Natural Jack Pine	Poletimber Well	56	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Cut all trees 2 inches and greater at DBH. Leave standard retention. Cut with fuel break stand directly adjacent to the south. No chipping and require tops/slash to be spread evenly throughout the stand for seed dispersal. Include snowmobile trail protection specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Fully stocked stand of pine mixed with oak and aspen.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

159	71064159-Cut	12.9	42220 - Natural Jack Pine	Poletimber Well	56	81-110	Harvest	Clearcut	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Cut all trees for fuel break. Do not leave retention. Cut with jack pine stand directly adjacent to the north. Either chip the tops or skid tops into stand 157's treatment to the north and distribute evenly over landscape.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory); NonForestMgt, Brush Cutting; Burn, Fuel Break

Treatments:

Acceptable N/A

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

161	71064161-Cut	4.4	42220 - Natural Jack Pine	Poletimber Medium	46		Harvest	Clearcut	42220 - Natural Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Cut all trees 2 inches and greater at DBH. Do not leave retention due to small stand size. Move start date up to be harvested with adjacent stands to the south. Include snowmobile trail protection specs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Jack pine with aspen.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2018



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
163	71064163-Cut	14.7	4133 - Aspen, Mixed Pine	Sawtimber Well	50		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2 in and greater at DBH. Leave minimum retention. Advance start date to be cut with the stands to the south. Include drumming
Specs: log spec.

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

Acceptable Aspen with mixed pine.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2018

168	71064168.23_ Spray	60.7	310 - Herbaceous Openland	Nonstocked	0	Unspec ified	Pesticide	ERROR	42110 - Planted Red Pine	Even-Aged	Terminated - Pending Edits
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Habitat Cut: No**Site Condition: Long-Term Retention**

Prescription Spray to kill the cherry brush competition over a red pine plantation.
Specs:

Next Step Monitoring, Herbicide Use
Treatments:

Acceptable red pine to full stocking
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2018

181	71064181- Prep	22.6	3301 - Low Density Deciduous Trees	Nonstocked	0	Unspec ified	SitePrep	Roller Chopping	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition: Long-Term Retention**

Prescription Spray the cherry underbrush and roller chop. Leave the dense aspen clones along the southern line out of the treatment. Trench and plant red
Specs: pine.

Next Step Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable Fully stocked stand with planted red pine and aspen.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2018

188	71064188- Prep	12.5	3301 - Low Density Deciduous Trees	Nonstocked	0	Unspec ified	SitePrep	Roller Chopping	4211 - Planted Red Pine	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Site prep stand and then plant to red pine.
Specs:

Next Step Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable Fully stocked red pine plantation with 80 percent free to grow.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2018



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
173	71172001-Cut	10.3	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Poor	53	Unspec ified	Harvest	Clearcut	42210 - Natural Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Final harvest all species to two inches and chip the tops. Leave no retention due to smaller size, and sparse stocking. Treat and establish to red pine. Postpone start date and treat with stand 42 to the west. May use east portion of stand for green-up buffer to aspen treatments from 2018.

Specs:

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

Acceptable Planted red pine to full stocking.

Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

171	71172004-Cut	26.0	4130 - Aspen	Sawtimber Well	73	Unspec ified	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest along species to two inches. Leave out the red pine inclusion for retention, it contains other representative species also. Put in protection specs. for snowmobile trail and drumming log specs.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen to moderate stocking.

Regen:

Other
Comment:

Proposed Start Date: 10/1 /2018

170	71172008-Cut	12.5	4130 - Aspen	Poletimber Medium	53	Unspec ified	Harvest	Clearcut	4132 - Aspen, Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest all species to two inches. With the stands smaller size, poor quality, and irregular shape, leave no retention. Place drumming log spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen with jack pine to moderate stocking.

Regen:

Other
Comment:

Proposed Start Date: 10/1 /2018

180	71172009-Cut	17.6	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Poor	56	1-50	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest all species to 2 inches. Chip the tops and leave no retention. Trench and plant to red pine. Place ORV trail protection spec.

Specs:

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

Acceptable red pine to full stocking.

Regen:

Other The stand is small in size and the areas is vegetated to young aspen or red pine already and would not be lend to a large KW planting which is the preferred.

Proposed Start Date: 10/1 /2018



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
190	71172034-Cut	85.3	4131 - Aspen, Oak	Poletimber Well	52	Unspec ified	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Final harvest all species to two inches. Place specifications in to protect snowmobile trail and for grouse drumming logs. Place a couple retention islands of about 5% total in the stand. Try to get some of the large oaks that are in there mixed with the aspen within the islands.

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

Acceptable aspen with mixed oak to full stocking.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2018

**Total Treatment
Acreage Proposed: 1003.8**

Report 4 – Site Conditions

Roscommon Mgt. Unit
Doug Bates : Examiner

Compartment: 64
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition		Acres Not Available	Dominant Site Conditions									
					2I	5B	5C	2G	2H	3A	3C	3G	5E	
1418	1073	47		298	Aspen	29	10	8					34	264
23	23	0		1	Bog									1
225	182	0		43	Herbaceous Openland									43
715	660	5		50	Jack Pine			5					17	32
90	25	0		64	Low-Density Trees									64
12	2	0		10	Lowland Aspen/Balsam Poplar				10					
168	168	0		0	Lowland Shrub			0						
48	48	0		0	Lowland Spruce/Fir									
122	122	0		0	Marsh									
95	95	0		0	Mixed Upland Deciduous									
365	104	30		231	Natural Mixed Pines		13	16			5	0	197	30
6	6	0		0	Northern Hardwood								0	0
148	3	145		0	Oak		118	27						
943	309	448		186	Red Pine		43	405		12	85	28	0	61
21	21	0		0	Treed Bog									
141	120	0		20	Upland Mixed Forest									20
21	21	0		0	Water									
65	60	5		0	White Pine			5					0	0
4,626	3,042	680		904	Total Forested Acres	29	184	466	10	12	89	28	248	516
	66%	15%		20%	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	3G: Other Influence zones - See comments	214	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
"Roscommon Red Pines"							

Report 4 – Site Conditions

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Doug Bates : Examiner

Compartment: 64

Year of Entry: 2020

2	Unavailable	3C: Legally Designated Quiet Area, Natural Area, or Wilderness	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments: "Roscommon Red Pines"							
3	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	2I: Survey needed	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3A: Conservation Values incompatible with harvest at this time	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SCA for part of Roscommon Red Pines BSA.							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3A: Conservation Values incompatible with harvest at this time	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Large diameter natural red pine and white pine.							
12	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	48	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Compartment: 64

Year of Entry: 2020

15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3A: Conservation Values incompatible with harvest at this time	69	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Large diameter natural red pine on a ridge looking over the creek.							
17	Unavailable	3A: Conservation Values incompatible with harvest at this time	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SCA for part of Roscommon Red Pines BSA.							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3A: Conservation Values incompatible with harvest at this time	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SCA for part of Roscommon Red Pines BSA.							
20	Available	5B: Maintain for regeneration purposes	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Compartment: 64
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21	Available	5B: Maintain for regeneration purposes	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	5B: Maintain for regeneration purposes	71	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	62	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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Compartment: 64
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27	Available	5B: Maintain for regeneration purposes	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	5B: Maintain for regeneration purposes	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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34	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	42	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Bates : Examiner

Compartment: 64

Year of Entry: 2020

40	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Available	5B: Maintain for regeneration purposes	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	66	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	61	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	54	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Bates : Examiner

Compartment: 64

Year of Entry: 2020

47	Unavailable	5E: Long-Term Retention	2	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
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.

Stand	Roscommon Mgt. Unit		Report 7 – Forested Stands			Compartment: 64	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2020	
1	4124 - Red with White Oak	Sawtimber Well	2.7	95	81-110		
2	4130 - Aspen	Sapling Well	22.9	22	Immature		
3	42290 - Natural Mixed Pine	Sawtimber Well	6.9	110	81-110	Mixed red and white pine stand along F-97. Some white pine in the understory. Some old aspen in decline scattered about. Cut in the summer of 2016	
4	42290 - Natural Mixed Pine	Sawtimber Well	199.0	110	111-140	Large stand of red and white pine. Some maple oak and aspen mixed in. Maple and white pine in understory. Part of the red pine natural area SCA. A walking path runs through part of the stand. Type 1 old growth.	
5	4112 - Maple, Beech, Cherry Association	Sapling Poor	6.3	2	Immature		Cut in the summer of 2016
6	4130 - Aspen	Sapling Well	17.8	22	1-50	Aspen stand with some white pine. Scattered larger super canopy red and white pine are present.	
7	42210 - Natural Red Pine	Sawtimber Well	27.9	110	141-170	Red pine natural area. SCA. Type 1 old growth with some possible Legacy trees present.	
8	42200 - Natural White Pine	Sawtimber Well	5.8	110	81-110	Small stand of red and white pine with very nice form. Understory consists of witch hazel, maple and white pine. Stand was thinned in 1994. Thinned in the summer of 2016.	
9	4130 - Aspen	Sapling Well	11.8	22			
10	42220 - Natural Jack Pine	Poletimber Well	17.7	68	81-110	Jack pine stand mixed with oak and red pine. More of a mixed pine and oak stand on northern half. This stand is part of the Natural red pine area SCA. Possible Type 1 old growth.	
11	42200 - Natural White Pine	Poletimber Well	5.2	29	51-80	Limby pine at the top of the slope down to the wetland and creek.	
12	42110 - Planted Red Pine	Poletimber Well	17.7	32	81-110		
13	42120 - Planted Jack Pine	Poletimber Well	46.5	32	51-80		
14	42250 - Pine, Oak	Sawtimber Well	13.3	87	81-110	Natural pine stand with oak mixed in. Red maple in the understory. Areas of mature bigtooth aspen on north end of stand along road. Red maple would probably take over understory if thinned. If clear cut, it would be dominated by red maple.	
15	4131 - Aspen, Oak	Sapling Medium	9.8	21	Immature		





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	4126 - White, Black, N. Pin Oak	Sawtimber Well	42.7	119	51-80	Stand of medium quality oak. Red maple poles and old bigtooth aspen scattered about. Some red and white pine sawtimber in the canopy scattered about. Thinned fall 2016.
17	42200 - Natural White Pine	Sawtimber Well	7.6	59	111-140	
18	4122 - Oak, Pine	Sawtimber Medium	70.5	95	1-50	Oak stand that had all maple, aspen, and black oak cut in 2007. All white oak and white pine was left. This created a shelterwood scenario. Some good areas of oak regen but a lot is struggling to get above browse height.
19	42110 - Planted Red Pine	Poletimber Well	29.2	32	81-110	Quality decreases to south and east.
20	42120 - Planted Jack Pine	Poletimber Well	17.9	32	51-80	
21	42110 - Planted Red Pine	Poletimber Well	20.5	32	51-80	
22	42120 - Planted Jack Pine	Poletimber Well	31.5	32	81-110	
23	4131 - Aspen, Oak	Poletimber Well	15.7	32	51-80	Some areas of good oak stump sprout in pole size class.
25	4124 - Red with White Oak	Sawtimber Well	26.7	97	51-80	Oak stand that was thinned in 1996. Some nice red oak logs growing.
26	4126 - White, Black, N. Pin Oak	Sawtimber Well	5.2	98	51-80	Medium quality white and red oak stand with heavy amounts of advanced white pine regeneration especially towards the south end. Thinned fall 2016.
27	4130 - Aspen	Sapling Well	6.5	11	Unspecified	
28	4139 - Aspen, Mixed Deciduous	Poletimber Well	6.7	32	51-80	More maple and oak on the south side. More red pine on the north side.
29	4311 - Pine, Aspen Mix	Poletimber Well	12.4	32	51-80	Red maple is in stump sprout clumps. Was cut in 1986. All pine were left.
30	42210 - Natural Red Pine	Sawtimber Well	49.3	76	111-140	Red pine stand that was thinned two entries ago. It is at the low end of the BA range in most spots. There is an advanced oak understory with some maple and cherry.
31	42110 - Planted Red Pine	Poletimber Well	44.6	32	51-80	
32	42120 - Planted Jack Pine	Poletimber Well	42.1	32	1-50	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
33	4130 - Aspen	Poletimber Well	11.7	33	51-80	
34	4133 - Aspen, Mixed Pine	Poletimber Well	51.9	34	51-80	Poor quality aspen with pockets of pine.
35	42120 - Planted Jack Pine	Poletimber Well	6.3	32		Jack pine plantation with a small pocket of saw sized red pine in the elbow of the stand.
36	4130 - Aspen	Poletimber Well	8.8	39	81-110	Low quality quaking aspen.
37	42220 - Natural Jack Pine	Poletimber Medium	62.2	36	1-50	Sparsely stocked poor quality jack pine stand with large open areas void of any trees. Lots of blueberry ground cover. Larger red pines along the southern third with the younger jack pine mixed in with them. When the jack pine reaches maturity, harvest, leave about 20 basal area of the largest red pines and then convert the site to red pine. The Midland to Mackinaw Trail runs through the stand.
38	4130 - Aspen	Sawtimber Well	33.4	50	81-110	Mature aspen stand ready to treat. Small vernal pond on the west side in the north central area. Place retention around this. The age is an estimate. Was hard to count the rings. Treat the stand.
39	42200 - Natural White Pine	Poletimber Well	31.7	32	81-110	Two-aged stand with large red pine with a mid-canopy of white pine poles. Too much damage would happen to the white pine if tried to get the red pine out. The white pine is self-thinning at this time. Wait another rotation or two before start thinning the stand.
41	42290 - Natural Mixed Pine	Sawtimber Well	16.4	99	81-110	At the southern end of the stand was an old structure that was demolished and the site remediated. Just south of the structure is a small pond that holds water most times of the year.
42	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	68.4	35	1-50	Poorly stocked very low quality regeneration of all species. Was treated and appears to be trenches out here but was not planted. The pine that came back is natural. The red and white pines were left after the harvest and are of course larger than the jack pine. The pine is in pockets with open areas vegetated by cherry and willow brush. There are a couple of small aspen clones within the stand. Stand needs to be treated and converted to red pine. There is too much open areas of junk cherry.
43	42110 - Planted Red Pine	Sawtimber Poor	37.0	81	1-50	
44	4131 - Aspen, Oak	Poletimber Well	3.8	55	111-140	
45	42290 - Natural Mixed Pine	Sawtimber Well	28.4	58	141-170	A pine stand with almost an even mix of red and white with the red being just slightly higher overall. The white pine is the regenerating species coming back. Lots of white pine poles that can be treated along with the smaller saw classed red pines. Suspect the stand with eventually convert to a white pine stand with oak. Treat the stand by thinning for crop trees.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	4133 - Aspen, Mixed Pine	Poletimber Well	46.7	36	Unspecified	Good overall aspen stand with a higher amount of bigtooth over quaking aspen. Some pockets of pine, mostly white pine with a heavy amount of white pine understory. Scattered large red pine throughout.
48	4311 - Pine, Aspen Mix	Sawtimber Well	62.3	49	81-110	The aspen is so fragmented and intermixed with the pine species that it would be almost impossible to delineate out just the aspen to treat and then the pine another way. The aspen is mature but will hold another rotation along with the pine. Look at treating next rotation to stagger the aspen age classes in the compartment.
50	42110 - Planted Red Pine	Sawtimber Well	28.8	81	111-140	The stand is dominated by large red pine and has pockets of other species throughout. The balsam is concentrated to the south end. Heavy maple understory. There are a few small lowlands/vernal pools.
51	42210 - Natural Red Pine	Sawtimber Well	14.2	83	111-140	Stand was thinned in 2010. The regeneration has come back very heavy to red maple. Have some straggler pines in there but not many. Very little pine regeneration also. Leave stand for now to stagger treatments in the compartment and look to do a heavy thin next rotation or final harvest and restart it to red pine.
52	4130 - Aspen	Sawtimber Well	51.7	49	111-140	Mature aspen stand that has a higher component of white pine intermixed in with it on the north end and along the southern edge. Final harvest all species.
53	4130 - Aspen	Sapling Well	24.7	17	Immature	
54	42110 - Planted Red Pine	Sawtimber Well	78.8	81	111-140	The stand is dominated by large red pine and has pockets of other species throughout. The balsam fir is concentrated to the south end. Heavy maple understory. There are a few small lowlands/vernal pools. Treat the northern third of stand by final harvesting and planting it back into a red pine plantation.
55	42210 - Natural Red Pine	Sawtimber Well	41.9	87	111-140	Hardwoods were removed in 1995 and the stand was thinned in 2010. The stand has hardwood regeneration coming back in the understory in the east and west ends. The east end is mostly oak with the west being mainly red maple and some aspen. The central portion is on the higher end of the canopy closure and has an open understory. Leave the stand for now and look to do a heavy thinning next rotation and see if more oak regeneration comes in and allow stand to convert to oak or final harvest and only restart the portions of the stand with no regeneration and/or maple to red pine.
57	42210 - Natural Red Pine	Sawtimber Well	68.6	91	141-170	Natural red and white pine with pockets of mature aspen.
59	4132 - Aspen, Jack Pine	Sapling Medium	15.1	17	Immature	Poor quality stand that can be eventually cut with the aspen stand directly adjacent to the north, then possibly planted.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	4311 - Pine, Aspen Mix	Sapling Poor	20.4	7	Immature	Site had aspen with cankers problems so was cut and planted to red pine. There is aspen coming back in around the outer perimeter and pockets within the middle. Scattered oak stump sprouting throughout also. Third year regeneration found the stand to be stocked with planted red pine and a mix of natural deciduous. No further treatments needed.
61	4130 - Aspen	Sawtimber Well	11.9	48	111-140	
62	4133 - Aspen, Mixed Pine	Poletimber Well	7.1	23	51-80	
64	42210 - Natural Red Pine	Sawtimber Well	12.2	98	111-140	Looked across East Creek. Saw red pine with hardwoods.
68	4130 - Aspen	Sapling Well	52.2	22	Immature	The red pine in the understory looks to have been planted.
71	4130 - Aspen	Sapling Well	53.4	25	Immature	CUT 1993. Parts of this stand have transitioned to pole size, but parts are still immature. Pine is mostly by the creek. There is a small drainage that runs through the stand parallel to the road.
74	4139 - Aspen, Mixed Deciduous	Sawtimber Well	3.3	60	51-80	
75	42110 - Planted Red Pine	Sawtimber Well	3.0	77	141-170	
76	4199 - Other Mixed Upland Deciduous	Sawtimber Well	10.3	58	81-110	
77	4130 - Aspen	Sapling Well	26.8	22	Immature	Stand was seed-tree harvested in 1995. Natural seeding failed so it was planted to red pine in 1996. Red pine was outcompeted and overtopped by aspen and is now mainly in the understory.
79	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	14.9	10	Immature	Final harvested in 2008. Portions of stand where planted to red pine but failed. The natural regeneration took over, so decided not to replant.
81	42210 - Natural Red Pine	Sawtimber Well	9.2	116	171-200	Very nice natural pine stand.
82	4130 - Aspen	Sapling Well	24.4	17	Immature	Some beaver damage on north end of stand.
84	42110 - Planted Red Pine	Sawtimber Well	7.4	81	111-140	Red pine stand of large sized log trees with heavy maple and oak understory.
85	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	10.6	81	81-110	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
86	42110 - Planted Red Pine	Sapling Poor	14.1	7	Immature	Cut in the fall of 2010 and planted to red pine. The aspen had canker issues. The red pine came back to moderate stocking. Is doing fair and will not require any further treatments. The portion of the original stand that failed to take is now Stand 67 and is being replanted.
87	42110 - Planted Red Pine	Sawtimber Well	34.1	81	81-110	
88	4130 - Aspen	Sapling Well	5.1	16	Immature	
89	42200 - Natural White Pine	Sawtimber Well	10.1	60	111-140	White pine stand with small aspen inclusions mixed about. The aspen needs cut and the white pine would benefit from a thinning taking out the suppressed, etc. and manage for some crop trees.
91	4139 - Aspen, Mixed Deciduous	Sawtimber Well	9.6	60	111-140	Poor quality large hard maple with basswood. Southern half of stand is mostly aspen. Heavy ironwood understory.
96	4133 - Aspen, Mixed Pine	Sawtimber Well	43.6	49	81-110	
97	42200 - Natural White Pine	Poletimber Well	4.9	89	81-110	White pine poletimber stand with some larger red pines mixed in. White pine understory. Stand borders East Creek and is listed as old growth (SCA).
98	42220 - Natural Jack Pine	Poletimber Well	4.8	58	51-80	
99	4132 - Aspen, Jack Pine	Sapling Well	38.8	15	Immature	Jack pine palntation weaved through and around aspen regeneration. Mostly on north end.
101	4130 - Aspen	Sapling Well	50.2	24	Immature	
102	42210 - Natural Red Pine	Sawtimber Well	5.8	103	81-110	
103	4130 - Aspen	Sapling Well	59.8	5	Immature	
104	42210 - Natural Red Pine	Sawtimber Well	1.3	103	201+	Nice natural red pine sawtimber stand. White pine in understory.
105	42290 - Natural Mixed Pine	Sawtimber Well	4.5	103	171-200	Nice stand of natural red and white pine. A few hemlocks mixed in.
107	6111 - Lowland Balsam Poplar	Poletimber Well	12.1	58	51-80	
108	6122 - Black Spruce	Poletimber Medium	37.8	73		



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
110	4130 - Aspen	Poletimber Well	22.0	34	1-50	Stand just entering poletimber size class. Stand is already showing signs of hypoxylon problems. Hold until next rotation.
111	4130 - Aspen	Sapling Medium	35.3	15	Immature	Quaking aspen with some red maple scattered about. Some natural jack pine to the south of where the stand narrows down and the water table is higher. There are a lot of open areas in the southern portion. There is a small narrow ridge of mature red pine to the north along the creek edge.
112	4130 - Aspen	Poletimber Well	20.5	34	1-50	Quaking aspen stand just entering pole timber size. Already showing signs of hypoxylon problems. The pine is along the lowland edge. Hold until next rotation.
116	4130 - Aspen	Sapling Well	93.5	26	Immature	Looked across east creek, saw aspen. Stand was accessed through private property to the south when harvested.
122	4130 - Aspen	Poletimber Well	29.3	52	51-80	Quaking aspen stand with balsam fir and red maple mixed in. Balsam fir understory. Low wet swale runs north to south through middle of stand. Somewhat difficult access from F-97.
123	42220 - Natural Jack Pine	Poletimber Well	14.3	56	51-80	High water table jack pine stand mixed with red pine and black spruce. Many areas are treed bogs with leatherleaf. Wetter areas have a higher component of black spruce.
124	42210 - Natural Red Pine	Sawtimber Well	54.4	114	141-170	Natural red pine stand of fire origin. Some jack pine along the road to the east and stand edges
125	4133 - Aspen, Mixed Pine	Sawtimber Well	4.3	53	81-110	Pocket of aspen within the red pine stand. Some large log sized trees that are starting to decay are present.
126	42220 - Natural Jack Pine	Poletimber Well	72.1	56	81-110	Jack pine pole/log stand with some poor quality log sized black oak mixed in.
127	4130 - Aspen	Poletimber Well	7.9	53	Unspecified	
128	42220 - Natural Jack Pine	Poletimber Medium	15.8	37	1-50	Scattered log sized red pine with younger jack pine and cherry growing up underneath. There is also an island of aspen in the center of the stand.
129	42210 - Natural Red Pine	Sawtimber Well	61.0	114	81-110	Natural red pine stand with jack pine. There is a good representation of all size classes. Higher component of jack pine towards the south end of the stand.
130	42210 - Natural Red Pine	Sawtimber Medium	7.6	96	51-80	Stand was cut in winter 2011/2012.
131	42290 - Natural Mixed Pine	Poletimber Poor	27.8	35	1-50	Scattered oak and pines. There is some jack pine, oak, and cherry regeneration. The southwest portion of the stand has more canopy coverage. Was harvested ending spring of 1983.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
132	4132 - Aspen, Jack Pine	Sawtimber Well	12.6	45	81-110	Mature aspen stand with pockets of jack pine around the edges.
133	42110 - Planted Red Pine	Sawtimber Well	25.8	60	171-200	Was thinned two entries ago.
134	4130 - Aspen	Poletimber Well	36.4	34	Immature	Mostly aspen poles with some jack pine. There are a couple low wet areas with black spruce and some pockets of jack pine. Some large red pine and oak are leftover from the last harvest.
136	42210 - Natural Red Pine	Sawtimber Well	35.4	93	81-110	Red pine stand that was thinned two entries ago. Heavy oak, jack pine, white pine and red pine regeneration.
137	42220 - Natural Jack Pine	Sapling Well	24.3	34	1-50	There are scattered supercanopy red pine present. There are also a couple small bogs within the stand. The soft maple is in the southern part of the stand.
138	42210 - Natural Red Pine	Sawtimber Well	9.6	83	111-140	
140	4133 - Aspen, Mixed Pine	Poletimber Well	29.6	50	111-140	Decent quacking aspen pole stand with super canopy red pine mixed in on the east side.
141	42210 - Natural Red Pine	Sawtimber Well	3.3	83	141-170	
144	42220 - Natural Jack Pine	Poletimber Well	13.3	41	51-80	Snowmobile trail runs through stand.
145	42220 - Natural Jack Pine	Sapling Poor	6.6	32		Fairly open stand of variously sized jack pine.
146	4130 - Aspen	Sawtimber Well	50.1	50	81-110	A few vernal pools are present. The snowmobile trail runs through the stand.
147	4130 - Aspen	Sawtimber Well	12.9	50	111-140	
149	42210 - Natural Red Pine	Sawtimber Well	12.7	66	141-170	Red pine saw timber stand that was thinned two entries ago.
150	42220 - Natural Jack Pine	Poletimber Medium	8.1	49		
151	42110 - Planted Red Pine	Sawtimber Well	8.1	56	141-170	Just coming into log sized. Cherry and aspen understory is mostly on the west side of the snowmobile trail.
153	4133 - Aspen, Mixed Pine	Sapling Poor	7.7	7	Immature	
155	42210 - Natural Red Pine	Sawtimber Well	65.7	108	141-170	Natural stand with a good representation of all size classes.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
156	6122 - Black Spruce	Poletimber Well	3.6	43	51-80	
157	42220 - Natural Jack Pine	Poletimber Well	81.5	56	81-110	Jack pine dominated stand with a pocket of red pine in the north central portion of the stand. Aspen pockets surround the bog in the south part of the stand.
159	42220 - Natural Jack Pine	Poletimber Well	12.9	56	81-110	Potential fuel break
160	42120 - Planted Jack Pine	Sapling Medium	18.5	8	Immature	
161	42220 - Natural Jack Pine	Poletimber Medium	4.4	46		
162	42210 - Natural Red Pine	Sawtimber Well	14.2	96	111-140	Nice natural red pine stand. There are some areas of heavy aspen regeneration encroaching in, especially along the edge of the adjacent clearcut.
163	4133 - Aspen, Mixed Pine	Sawtimber Well	14.7	50		
164	4311 - Pine, Aspen Mix	Poletimber Poor	16.0	56	51-80	KOTAR = ParVHa/ParVVb. Age was determined from a wildfire record that burnt this area. Very sparse poor quality trees. The aspen is in small, 1/4-1/2 acre clones scattered about. The more open area is full of cherry. The jack pine is more prevalent in the southern half.
165	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Medium	28.1	57	Unspecified	The pine and aspen is larger than those in the stand to the north, less open areas with cherry. The trees are low quality with mortality showing. The aspen clone is mostly along the west line. The aspen is sprouting but getting hit by deer browse. KOTAR = ParVHa/ParVVb
166	4130 - Aspen	Sapling Well	12.4	7	Immature	Treated in 2011. Regenerated better than the part of the stand to the west. Left about 20 basal area of large oak and some pine for mast and seeding. Not finding much of any oak regenerating though at this time.
167	42220 - Natural Jack Pine	Poletimber Medium	103.2	56	Unspecified	Some aspen clones within the stand on the higher elevations, but most is in the broadbased drain along the south line emanating from stand 13. Jack pine mixed in this drain also. KOTAR = mix of ParVHa, ParVVb, and ParVCo
170	4130 - Aspen	Poletimber Medium	12.5	53	Unspecified	Sparse, mature, poor quality aspen that needs to be treated. KOTAR = Par VVb
171	4130 - Aspen	Sawtimber Well	26.0	73	Unspecified	Mature aspen stand that needs treated. There is about a two acre red pine inclusion within the stand that is split by a snowmobile trail. Use this red pine as the retention. It contains all the representative species. Place trail protection specs. and drumming log specs also. KOTAR = Par VVb



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
172	4130 - Aspen	Sawtimber Well	4.2	53	Unspecified	Mature aspen stand needing to be treated. The red pine inclusion is under couple of acres and is along the snowmobile trail. Incorporate this in as some retention/visual. It contains some oak, white pine, and aspen also in with the red pine.
173	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Poor	10.3	53	Unspecified	Stand failed to regenerate properly. Pockets of jack pine "puff balls" with 1/10th acre aspen clones here and there. Mostly open with cherry. Cut early and plant to red pine. KOTAR - PVCd.
174	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Medium	10.8	53	1-50	Large crowned, bushy, short jack pine with cherry in areas void of the pine. Average basal area is 30. KOTAR = Par VVb
175	42220 - Natural Jack Pine	Poletimber Medium	13.6	53	Unspecified	Typical jack pine for the area. Small 1/4 vernal pond in the middle of the stand, west side of trail. 1 1/2 acre red pine inclusion within the stand. Lots of blueberry cover. KOTAR = PVCd
176	4130 - Aspen	Sapling Well	18.5	7	Immature	Final harvest 2011. Lower end of canopy closure percentage. Decent dense aspen regeneration in the clones areas. Few larger open areas with scattered cherry. The part of this stand east of the road did not regenerate well at all and is classified as a separate stand now.
178	42120 - Planted Jack Pine	Poletimber Medium	30.7	49	Unspecified	Planted jack pine stand with scattered large red pine saw class trees. Couple aspen clones mixed in. The areas void of pine/aspen is full of cherry.
179	42110 - Planted Red Pine	Sawtimber Well	21.9	51	81-110	KOTAR = ParVVb, Stand treated 2013 under sale #71-012-11-01. Some supercanopy red pine mixed in that were planted under.
180	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Poor	17.6	56	1-50	A very sparse poor quality jack pine stand with the pine scattered about and look like "puff balls". Not enough to spread the tops from a harvest to get natural seeding. Recommend a harvest, chip tops, and put to red pine. Kotar is mostly ParVHA.
182	4130 - Aspen	Sapling Well	4.5	7	Immature	Treated in 2011 will decent aspen regeneration. Bisected by snowmobile trail.
184	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	6.6	43	51-80	A sparse poor quality, narrow stand paralleling the road. Not sure if was left as a visual break for stand 18. Mortality in the pine. With the open areas full of cherry. Could harvest and let the aspen try and spread out or leave and let the younger oak grow up and treat at the oak's age rotation.
185	4130 - Aspen	Sapling Medium	36.2	7	Immature	Treatment completed 2011 under sale #71-020-2009-01.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
187	4199 - Other Mixed Upland Deciduous	Sapling Medium	62.9	17	Immature	Overstory was removed in 2001. Is on the low end of the canopy closure. Lots of oak regeneration in all size classes where the oak is regenerating well. This is mostly on the east side along the private parcel. There are a couple of large aspen clones, with the southern 1/4 being a mix of aspen, pole sized oaks and cherry. Areas not regenerating well came back to cherry. KOTAR = ParVHa/ParVVb & Unknown
189	4319 - Mixed Upland Forest	Poletimber Medium	29.6	52	51-80	Appears that a past harvest removed everything but the red pine and oak. The jack pine came back in very short and bushy with the southern half being higher canopy closure, and contains most of the red pine and oak. The northern 1/2 is more open of mostly jack pine and cherry brush. There are a couple aspen clones within the stand. Hold for one more rotation and then treat.
190	4131 - Aspen, Oak	Poletimber Well	85.3	52	Unspecified	Marginal quality aspen that is pushing regeneration in its better clone areas. Final harvest stand. Will need snowmobile trail protection specs. Place a couple retention islands within stand.
192	4130 - Aspen	Sapling Well	21.6	7	Immature	Final harvested in 2011. The eastern third is more sparse in aspen regen. and more pin cherry. Much better aspen densities on the remaining portions.
193	42210 - Natural Red Pine	Sawtimber Well	61.8	92	81-110	Stand treated 2013 under sale #71-012-11-01
194	4130 - Aspen	Sapling Medium	9.3	7	Immature	Final harvested in 2011. Sparse aspen in many areas, with cherry brush in areas void of aspen. At very low end of canopy closure.
195	4130 - Aspen	Sapling Well	12.1	7	Immature	Final harvested in 2011. Decent aspen regeneration with about a 30 basal area of overstory pine and oak was left. Does not seem to be impacting the regeneration. Will leave though for future snags/cwd.
197	6122 - Black Spruce	Poletimber Well	7.1	67	51-80	Lowland spruce stand with a couple small islands of high ground that contain a few large red pine. The southern end of the stand is less dense than the north.
198	4130 - Aspen	Sapling Well	73.0	7	1-50	Cut in 2011.
203	42210 - Natural Red Pine	Sawtimber Well	5.0	63	81-110	Red maple is in stump sprout clumps.



Stand	Cover Type	Acres	Managed Site	General Comments:
24	3105 - Mixed Upland Herbaceous	33.1		Harvested late summer/early fall 2016. All red and white pine and some oak was left. Soft maple and white pine saplings are present. In addition, aspen and soft maple are regenerating under 5 ft.
40	310 - Herbaceous Openland	61.3		Failed plantation. Will be re-trenched and planted.
46	3102 - Grass	2.0	No	OPIC - FMD: SMALL , GRASSY CAMPING AREA
49	622 - Lowland Shrub	0.7	No	Marsh bowls with an upsloped perimeter of mature trees such as aspen, white pine, etc.
56	6220 - Alder/willow	10.2	No	Tag alder marsh with some young maple regeneration. With never be productive forest land though.
58	6221 - Fen	2.9	No	
63	623 - Emergent Wetland	5.9	No	OPIC - FMD: FLOODPLAIN OF EAST CREEK, H.C.V.A. = TRIBUTARY OF NATURAL RIVER
65	330 - Low-Density Trees	1.3	No	
66	623 - Emergent Wetland	43.0	No	OPIC - FMD: FLOODPLAIN OF EAST CREEK, H.C.V.A. = TRIBUTARY OF S.BRANCH AUSABLE (NATURAL RIVER)
67	3302 - Low Density Conifer Trees	11.1	No	Cut in the fall of 2010 and planted to red pine. The aspen had canker issues. The red pine has not come back as well as the adjacent stand to the north. Still not forested and the north half did not come in at all and will need to be re-trenched and replanted to red pine. Failure was not because of woody competition so does not need released sprayed. This in under FTP C71-1012
69	6224 - Treed Bog	2.0	No	
70	3102 - Grass	5.4	No	Open grass with some larger pines scattered about. Contains wider portion of AuSable Trail.
72	3102 - Grass	5.4	No	
73	6224 - Treed Bog	4.4	No	
78	623 - Emergent Wetland	28.6	No	
80	6225 - Bog	2.2	No	Bog with outer perimeter of pine.



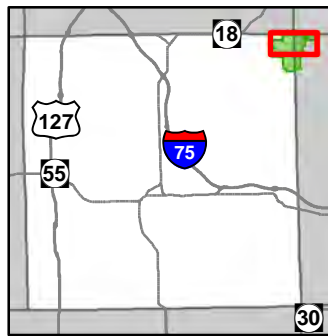
Stand	Cover Type	Acres	Managed Site	General Comments:
83	6225 - Bog	5.1	No	
90	310 - Herbaceous Openland	32.2		Trenched in 2009; Planted to red pine in 2010 and replanted with red pine in 2014-KNF Plantation failed. Retrenched portions of stand in 2018 where red pine did not take in past plantings so it can be replanted in 2019. Portions of the original stand did take where got good trenching, so not all of the stand was retrenched.
92	3102 - Grass	18.0	No	Scattered open grown log-sized red pine in a grass field. Some maple and balsam fir too.
93	3102 - Grass	1.0	No	
95	3102 - Grass	1.9	No	
100	622 - Lowland Shrub	37.2	No	East Creek runs through this stand.
106	622 - Lowland Shrub	18.6	No	
109	623 - Emergent Wetland	25.0	No	East creek runs through stand
114	500 - Water	16.7	No	
115	623 - Emergent Wetland	20.0	No	
117	622 - Lowland Shrub	78.9	No	Branch of East Creek runs through this stand
118	500 - Water	1.6	No	Beaver pond in East Creek.
119	500 - Water	3.1	No	
120	6225 - Bog	1.1	No	
121	6225 - Bog	0.7	No	
135	6224 - Treed Bog	5.2	No	
139	6225 - Bog	0.8	No	



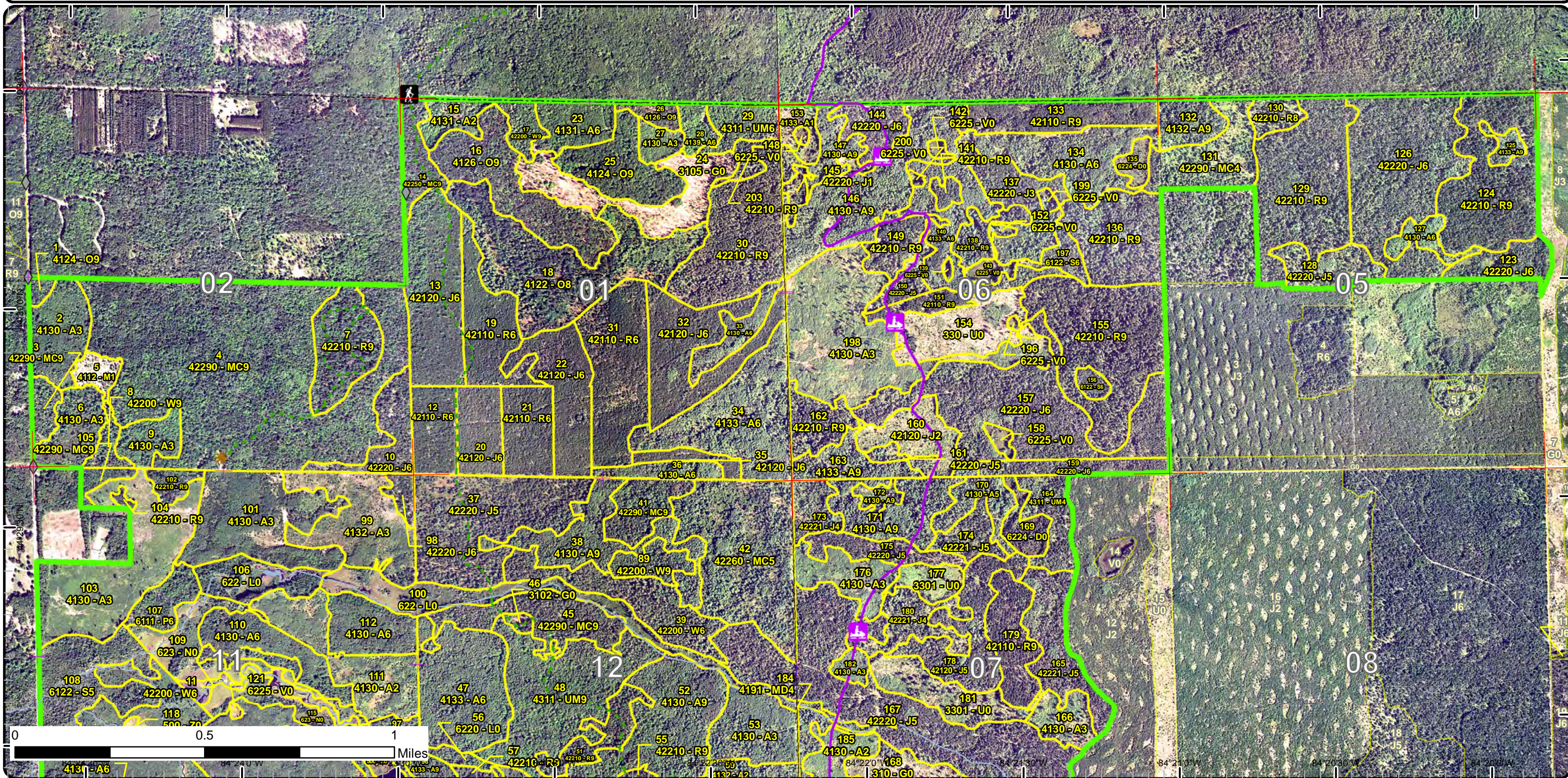
Stand	Cover Type	Acres	Managed Site	General Comments:
142	6225 - Bog	1.5	No	OPIC - FMD: OI Stand Year Origin was
143	6225 - Bog	4.2	No	
148	6225 - Bog	1.0	No	
152	6225 - Bog	1.3	No	
154	330 - Low-Density Trees	28.9	No	Cherry field with scattered log sized red pine.
158	6225 - Bog	2.7	No	
168	310 - Herbaceous Openland	64.7		Trenched 2013; Planted to red pine in 2014. There is a heavy pin cherry overstory competition going on that should be addresses by release spraying. C71-1014
169	6224 - Treed Bog	9.3	No	Leatherleaf bog with a concentration of jack pine in the interior.
177	3301 - Low Density Deciduous Tree	9.2	No	Stand was treated in 2011 but did not regenerate well at all compared to the part of the stand west of the forest road. The aspen can in like it was hand planted. There are individual stems 5-10 apart from one another with open space in between. Not enough canopy to call it forested.
181	3301 - Low Density Deciduous Tree	22.6	No	Was treated in 2011 and the aspen failed to regenerate. There are a couple smaller clones along the south line for a couple acres, but the vast majority is open with cherry brush and about 20 basal area of oaks left that did not seed nor sprout. Trench and plant to red pine. Leave out the aspen clones. Kotar is mostly ParVHA.
186	3303 - Mixed Low Density Trees	4.2	No	Grassy open area with dispersed camping. Has clumps of red and jack pine along the southern edge.
188	3301 - Low Density Deciduous Tree	12.5	No	Overstory was removed in 2001 and came back to mainly cherry. Should treat and establish to red pine. KOTAR = ParVHa/ParVVb & Unknown
191	622 - Lowland Shrub	19.6	No	Tag alder marsh
196	6225 - Bog	0.6	No	
199	6225 - Bog	1.6	No	
200	6225 - Bog	0.8	No	

Stand Boundary Map

Compartment: 64
 T24N, R01E, Sec. 4-7, 18
 T24N, R01W, Sec. 1, 2, 11-13
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2020
 Acres: 4,627 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 12/27/2018
 Map Phase: Post-Review

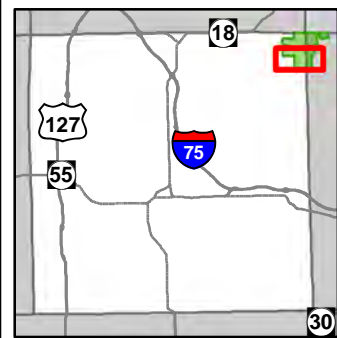


- Miris Corners
 - + Remonumented Section Corners
 - ◆ Field Grade Corners
 - Counties
 - Hiking Trails
 - Snowmobile Trails
 - Designated Hiking Trails
 - Designated Snowmobile Trails
 - * Trailhead
 - Lake/Pond
 - Perennial River
 - Lakes and Rivers All
 - Compartment Boundary
- Stand Boundaries
 - 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 430 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 310 - Herbaceous Openland
 - 330 - Low Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland

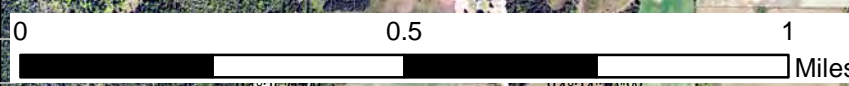
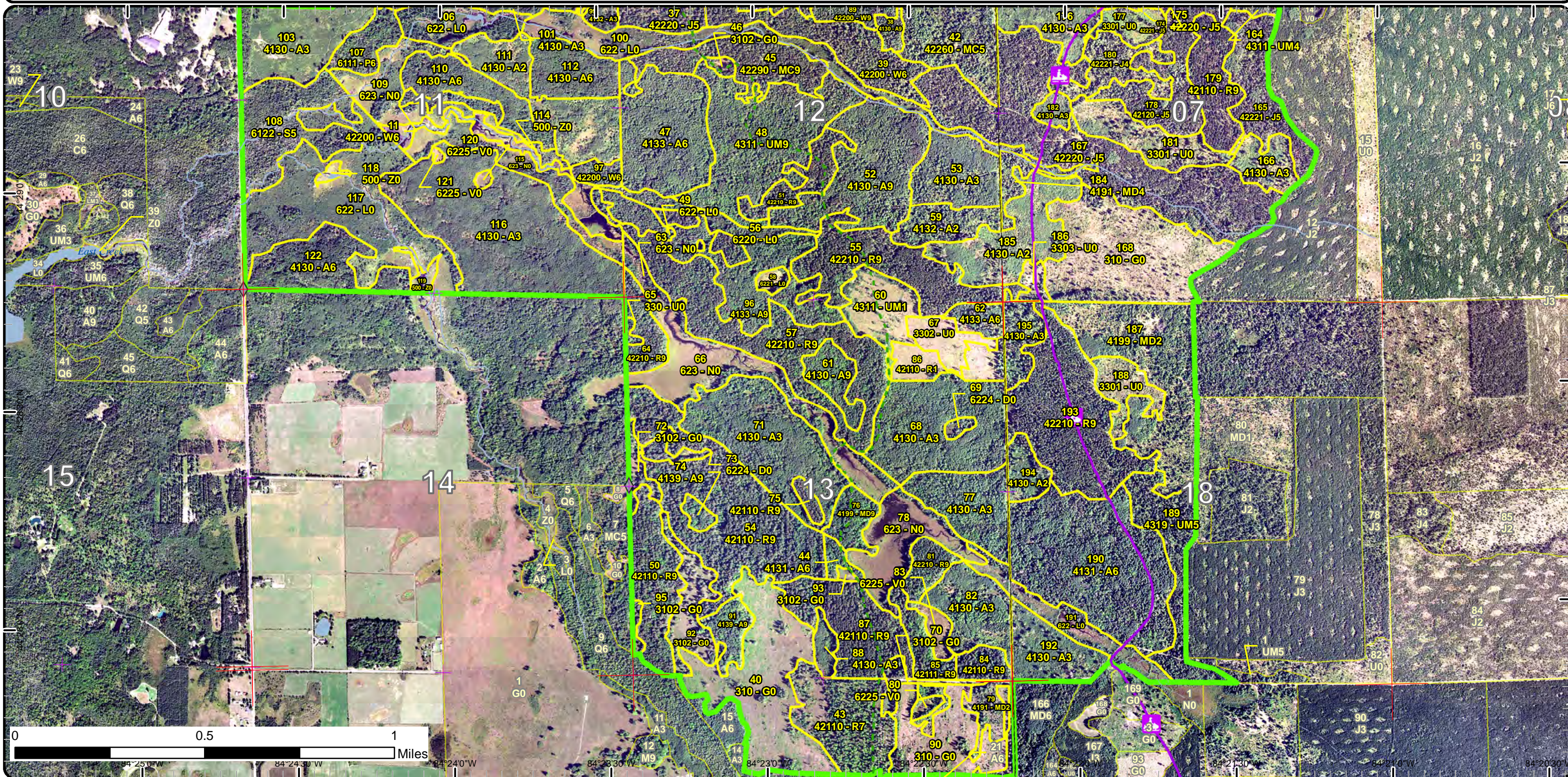


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 - 623 - Emergent Wetland
 - 413 - Aspen



94°25'0"W 84°24'30"W 84°24'0"W 84°23'30"W 84°23'0"W 84°22'30"W 84°22'0"W 84°21'30"W 84°21'0"W