



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71132

Entry Year 2017

Acreage: 1,199

County Roscommon

Management Area: AuSable Outwash

Revision Date: 2015-07-08

Stand Examiner: Doug Bates

Legal Description:

T22N R01W Sections 35 & 36

Identified Planning Goals:

Maintain species and age diversification in both early and late successional ecosystems.

Soil and topography:

Terrain ranges from gently rolling to steep slopes. Soils are Roselawn Sands.

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

A solid block of stand land with an 80 acres private tract in the south central area.

Unique Natural Features:

None noted

Archeological, Historical, and Cultural Features:

None recorded or identified during field work.

Special Management Designations or Considerations:

None noted

Watershed and Fisheries Considerations:

None noted

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Sections 35 & 36, T22N R1W, Roscommon County

Surface sediments consist of ice-contact outwash sand and gravel. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw formations and the Mississippian Bayport Limestone and Michigan Formation. These rocks are commercially developed elsewhere in the state but are too deeply buried beneath glacial drift here to have economic potential. Most of the good gravel pits are associated with upland areas. The nearest active gravel pit is located three miles to the west (NW NW, Sec 32 & SW SW, Sec 29) and potential appears to be good. The compartment is not currently leased, but there is active leasing within one mile of the compartment.

Vehicle Access:

Vehicle access is good to all portions of the compartment.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

This compartment is popular and highly used with ORV users for the 72" St. Helen route as well as seasonal hunting seasons. The Midland - Mackinac hiking trail occurs near the east side of the compartment. All stumps within 20 feet of the motorized trail shall be Flush-Cut to ensure stumps do not result in unsafe conditions. Assure 'logging ahead' warning signs are placed on the designated trails and during logging activity. Ensure designated trails signs, post and directional markers are protected. An identified resource damage occurs in the east half of the compartment from Off Road Vehicles. Utilize forest management practices to curtail further damage by off road vehicle use and other trespasses issues.

Fire Protection:

Additional Compartment Information:

This compartment was part of the deer research cuts with 75% of the upland areas being cut in 1973. The Dunham Lake fire then burnt 80% of the compartment in 1975.

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:

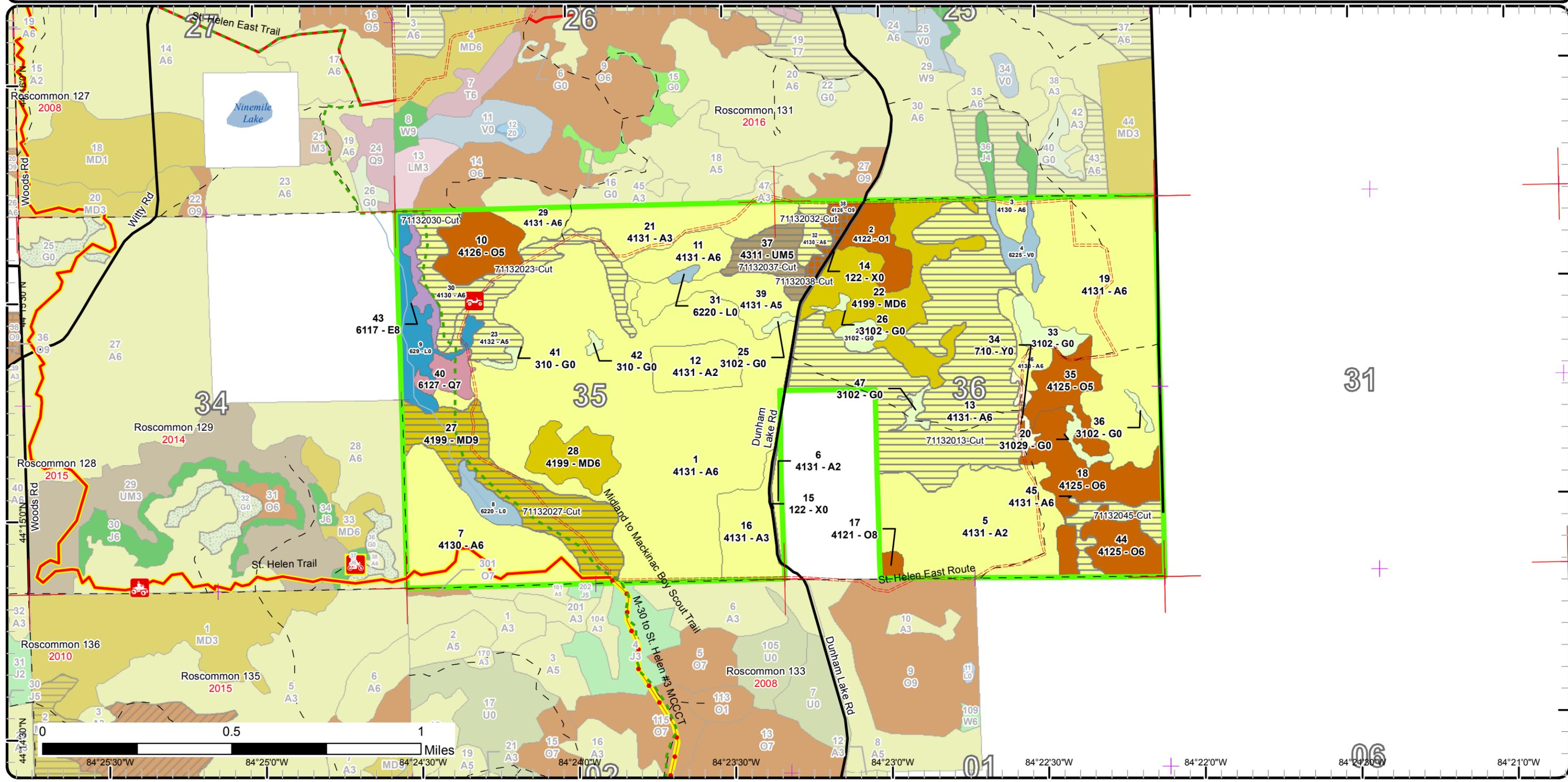
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments

Compartment: 132
 T22N R01W 35, 36
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2017
 Acres: 1199 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 7/24/2015
 Map Phase: Pre-Review

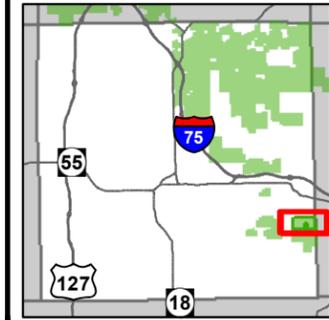


- + Remonumented Section Corners
- Miris Corners
- Paved Roads
- - Poor Dirt Roads
- - - County Poor Dirt Roads
- MCCCT Trails
- ORV Trails
- ORV Routes
- - - Designated Hiking Pathways
- - - ORV License & Trail Permit
- - - Designated ATV
- - - Designated ORV Routes
- Designated MCCCT Trails
- Rivers
- Lakes
- Treatments**
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Forest Covertype**
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 430 - Upland Mixed Fores
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- Non-Forest Covertype**
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- 710 - Sand/Soil

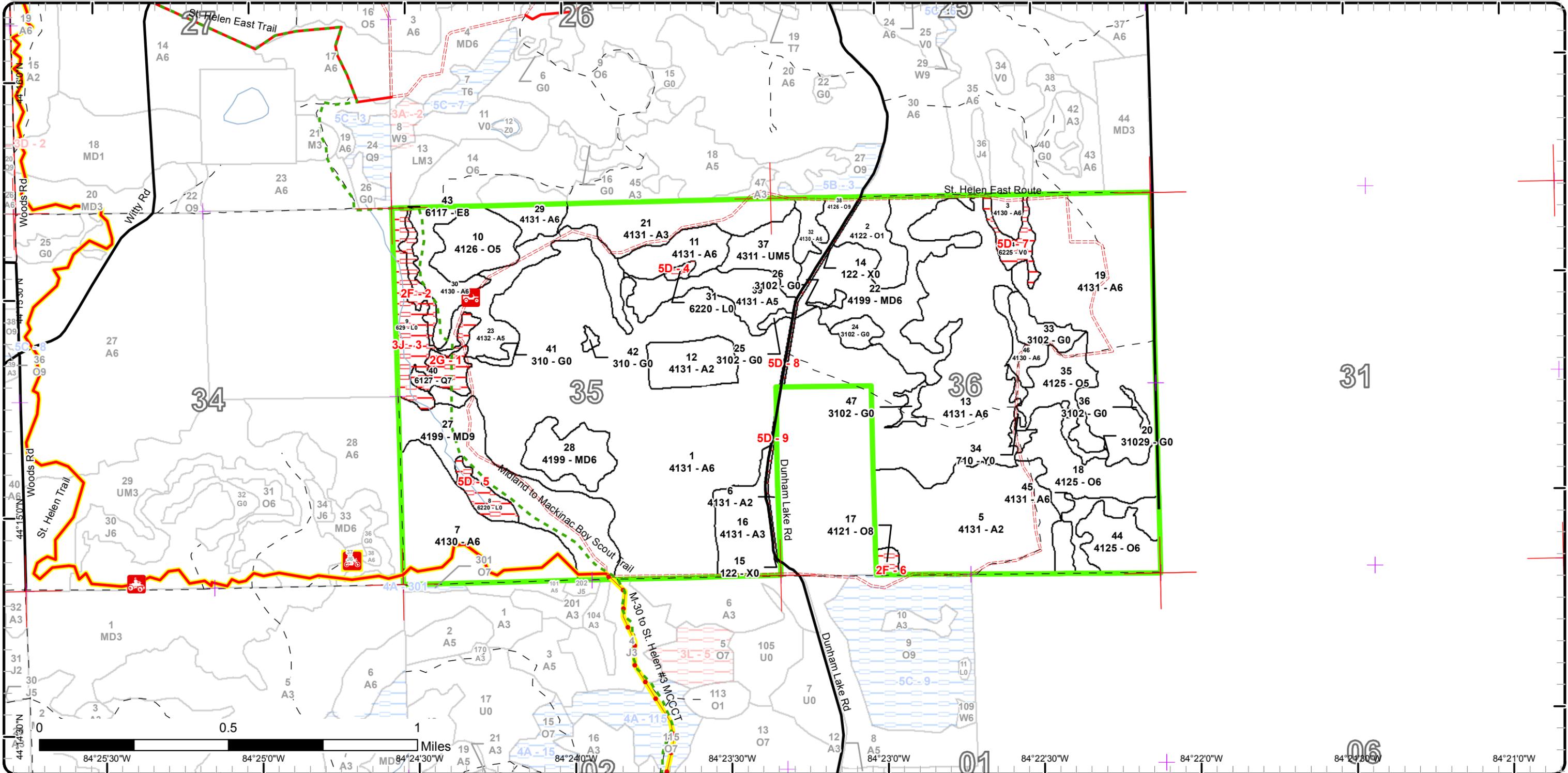


Special Conservation Areas & Site Conditions Map

Compartment: 132
 T22N R01W 35, 36
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: AuSable Outwash
 YOE: 2017
 Acres: 1199 GIS Calculated
 Examiner: Doug Bates
 Map Revised: 7/24/2015
 Map Phase: Pre-Review



- + Remonumented Section Corners
- + Miris Corners
- Paved Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- + MCCCT Trails
- + ORV Trails
- + ORV Routes
- Designated Hiking Pathways
- + ORV License & Trail Permit
- Designated ATV
- Designated ORV Routes
- Designated MCCCT Trails
- Rivers
- Stand Boundaries
- Site Condition
- Unavailable
- Unavailable Factors**
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land



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	52	108	0	0	696	0	0	0	0	0	0	0	0	0	0	0	0	856
Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Herbaceous Openland	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Lowland Deciduous	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6
Lowland Shrub	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Mixed Upland Deciduous	0	0	0	0	0	71	0	0	52	0	0	0	0	0	0	0	0	0	123
Oak	0	15	0	0	0	93	0	0	3	7	0	0	0	0	0	0	0	0	118
Sand, Soil	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Mixed Forest	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	17
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	73	67	108	0	0	877	0	0	0	61	7	0	0	8	0	0	0	0	1201



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2017

Acres of Harvest

Compartment 132
Total Compartment Acres: 1,199

Commercial Harvest - 278
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	202	0	0	0	0	0	0	0	0	202
Mixed Upland Deciduous	52	0	0	0	0	0	0	0	0	52
Oak	0	0	0	7	0	0	0	0	0	7
Upland Mixed Forest	17	0	0	0	0	0	0	0	0	17
Total	271	0	0	7	0	0	0	0	0	278

Proposed and Next Step Treatments by Harvest Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	278	0	0	0	0	0	0	0	0	278
Next Step	0	0	0	0	0	0	278	0	0	278
Total	278	0	0	0	0	0	278	0	0	555



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
13	71132013-Cut	138.4	4131 - Aspen, Oak	Poletimber Well	41	Unspec ified	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Final harvest all species to a two inch d.b.h.. Do not cut any white oak and cut remaining oak species 5 inches and up. Mark the east boundary
Specs: line at the top of the slope. Leave the east facing slope as retention.

Next Step
Treatments:

Acceptable Aspen with an oak component to a full stocking level.
Regen:

Other Place the grouse drumming log spec. in sale contract. Old next step comments:
Comment:

Proposed Start Date: 10/1 /2016

23	71132023-Cut	27.8	4132 - Aspen, Jack Pine	Poletimber Medium	41	Unspec ified	Harvest	Clearcut	4132 - Aspen, Jack Pine	Even-Aged	Proposal
----	--------------	------	----------------------------	----------------------	----	-----------------	---------	----------	----------------------------	-----------	----------

Habitat Cut: No**Site Condition:**

Prescription Remove all species to two inches. Place specs. to protect the ORV Route. No retention do to the irregular narrow shape of the stand. Cut
Specs: during dormancy.

Next Step
Treatments:

Acceptable Mixed percentages of aspen and jack pine to full stocking.
Regen:

Other If stocking levels not met, plant unstocked areas with jack pine. Cut during winter months to stimulate regeneration and avoid conflicts with ORV
Comment: Route that runs through the middle of the stand plus the only access into stand is via this ORV Route. Place grouse drumming log spec. in contract. Old next step comments:

Proposed Start Date: 10/1 /2016

27	71132027-Cut	52.4	4199 - Other Mixed Upland Deciduous	Sawtimber Well	88	111- 140	Harvest	Clearcut with Retention	4121 - Oak, Aspen	Even-Aged	Proposal
----	--------------	------	--	-------------------	----	-------------	---------	----------------------------	----------------------	-----------	----------

Habitat Cut: No**Site Condition:**

Prescription Final harvest all species to a 2 inch d.b.h except oak. Cut all oak 5 inches in diameter and up. Also mark to leave 10 basal area of oak,
Specs: preferably white oak, for mast where oak present itself to do so. A dried stream bed exists in the north end connecting stand 8 to 9. Place crane mats over this to protect the dry stream bed when bring wood is brought from the western tip to the east side. The broad based drain that holds the stream and is treed, paint out for retention to protect the more sensitive soils.

Next Step
Treatments:

Acceptable A mix of oak with aspen in varying percentages coupled with other species to a fully stocked stand level is acceptable
Regen:

Other Harvest stand between December 1 and March 31 to aid in coppice regeneration and lessen potential conflicts with the ORV route. Place ORV
Comment: trail protection specs. Some portion of the trail will need to be used for access. Push the southeast boundary easterly into stand one all the way to stand 16 to gain some more aspen to lower the percentage of 40+ aspen (30-40 acres). Place a grouse drumming log spec. in contract. Old next step comments:

Proposed Start Date: 10/1 /2016

30	71132030-Cut	17.3	4130 - Aspen	Poletimber Well	41	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
----	--------------	------	--------------	--------------------	----	-----------------	---------	----------------------------	-------------	-----------	----------

Habitat Cut: No**Site Condition:**

Prescription Final harvest all species to 2 inch. Cut during dormancy. Paint out steep side slopes unharvestable for retention areas.
Specs:

Next Step
Treatments:

Acceptable Aspen to full stocking
Regen:

Other Cut during winter months to stimulate regeneration and avoid conflicts ORV Route. Only access into stand is via this ORV Route. Place a
Comment: grouse drumming log spec. in contract. Old next step comments:

Proposed Start Date: 10/1 /2016



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
32	71132032-Cut	6.5	4130 - Aspen	Poletimber Well	41	Unspec ified	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Final harvest all species to 2 inches. Smaller size, leave no retention.

Specs:

Next Step

Treatments:

Acceptable Aspen to full stocking

Regen:

Other Place a grouse drumming log spec. in contract. Put in specs. to protect ORV trail. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

37	71132037-Cut	16.5	4311 - Pine, Aspen Mix	Poletimber Medium	41	Unspec ified	Harvest	Clearcut with Retention	4132 - Aspen, Jack Pine	Even-Aged	Proposal
----	--------------	------	---------------------------	----------------------	----	-----------------	---------	----------------------------	----------------------------	-----------	----------

Habitat Cut: No**Site Condition:**

Prescription Final harvest all species to a two inch d.b.h.. Leave a 3 percent retention pocket in the stand at the discretion of the sale preparer.

Specs:

Next Step

Treatments:

Acceptable Mixed percentages of aspen and jack pine to meet full stocking levels.

Regen:

Other If stockings levels are not met, plant unstocked areas with jack pine. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

38	71132038-Cut	6.9	4126 - White, Black, N. Pin Oak	Sawtimber Well	92	81-110	Harvest	Seed Tree	4122 - Oak, Pine	Even-Aged	Proposal
----	--------------	-----	------------------------------------	-------------------	----	--------	---------	-----------	------------------	-----------	----------

Habitat Cut: No**Site Condition:**

Prescription Seed tree with no retention due to narrow configuration. Mark to leave 20 basal area of large crowned oaks for mast. Side towards white oaks

Specs: when possible. Cut all species to 2 inch except oak and white pine. Harvest these to 5 inch.

Next Step

Treatments:

Acceptable Oak with mixed percentages of aspen, white pine, and other deciduous species meeting fully stocking levels

Regen:

Other Place ORV trail protection specs. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

45	71132045-Cut	11.7	4131 - Aspen, Oak	Poletimber Well	41	Unspec ified	Harvest	Clearcut	4131 - Aspen, Oak	Even-Aged	Proposal
----	--------------	------	-------------------	--------------------	----	-----------------	---------	----------	----------------------	-----------	----------

Habitat Cut: No**Site Condition:**

Prescription Final harvest all species to two inches. Do not cut any white oak and harvest other oak species to a 5 inch d.b.h.. No retention due to the stands

Specs: irregular shape and size.

Next Step

Treatments:

Acceptable Aspen with an oak component to fully stocked levels.

Regen:

Other Place the grouse drumming log spec. in sale contract. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

**Total Treatment
Acreage Proposed: 277.5**

Dominant Site Conditions

	2F	2G	3J	5D
Aspen				
Bog				8
Herbaceous Openland				
Lowland Conifers		8		
Lowland Deciduous	6			
Lowland Shrub			21	9
Mixed Upland Deciduous				
Oak	3			
Sand, Soil				
Upland Mixed Forest				
Urban				5
Total Forested Acres	9	8	21	22
Relative Percent				

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	3A: Potential old growth / biodiversity	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2F: Too steep	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	21	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Roscommon Mgt. Unit
Doug Bates : Examiner

Compartment: 132
Year of Entry: 2017

4	Unavailable	5D: Unproductive Forest Land	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5D: Unproductive Forest Land	7	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2F: Too steep	3	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5D: Unproductive Forest Land	8	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5D: Unproductive Forest Land	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: County Road							
9	Unavailable	5D: Unproductive Forest Land	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: County Road							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 6 – 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 7 – 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
--------------------------	-------------	--------------------



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4131 - Aspen, Oak	Poletimber Well	258.1	41	Unspecified	Very nice pole sized aspen stand with some logs. The aspen is very dense with 150+ basal areas in 3/4 of the stand. Oak pockets do exist scattered about with the majority being along the outer fringes of the stand. Will find some oak regeneration under the aspen but mostly under the oak overstory. Little regeneration of aspen. Save another rotation to stagger age classes in compartment.
2	4122 - Oak, Pine	Sapling Poor	14.8	7	Immature	Stand treated in spring 2008 with all species removed to 4 inches. All white oak left along with some green marked trees. Good mix of oak and jack pine. The oak regeneration is good especially off the stump sprouts. The shorter seeded oak is getting browsed heavily by deer. The sprouted oak is over 10 feet tall and not being touched. Will be a good mixed stand.
3	4130 - Aspen	Poletimber Well	5.1	41	Unspecified	Ridge peninsula with steep slopes on the three sides that adjoin Stand 4. Best to leave the stand and not treat as to keep the slope vegetated preventing erosion. Also there is the possibility of ORV damages occurring if the trees are removed especially with the "challenging slopes" and ORV trail on the north end.
5	4131 - Aspen, Oak	Sapling Medium	80.2	11	Immature	Harvest done in 2004. Very undulating terrain with very limited flat terrain. The southern half is dense aspen with the north being sparse oak, mainly stump sprouted and cherry. Lot more grass openings in this area with a couple large bowls.
6	4131 - Aspen, Oak	Sapling Medium	3.7	11	Immature	Small strip of land between Dunham Lake road and private property to the east.
7	4130 - Aspen	Poletimber Well	63.5	41	Unspecified	Eastern tip (1/4) of stand is an east facing slope of moderately stocked oak and jack pine. The aspen picks up as the slope grades out in steepness and progresses to the west. Hilly terrain. Majority of the oak regeneration is stump sprouted. The aspen is just entering into log sizes but should hold another rotation to allowing more trees to enter log size and to stagger the cutting in the area.
10	4126 - White, Black, N. Pin Oak	Poletimber Medium	21.1	41	51-80	Rolling terrain with 3/4 of the maple and oak overstory being from stump sprouts/ The regeneration is a mix of oak followed by maple. Not real dense but fairly stocked. Some aspen clones mixed in also. Several small open areas all over with no canopy closure or regeneration. The oak is not good quality but is producing mast.
11	4131 - Aspen, Oak	Poletimber Well	16.3	41	Unspecified	Most of the oak overstory is from stump sprouting. Good quality aspen with some sawlogs. The regeneration though is mainly red maple on the east end but oak on the west. The west half also has a higher oak percentage in the overstory. Small percentage of quacking aspen on the south line. Big tooth aspen that will hold longer than quacking so leave this rotation.
12	4131 - Aspen, Oak	Sapling Medium	18.1	7	Immature	Good aspen/oak mixed regenerating stand. Heavy oak in the sub-canopy also. Left all the white oak and removed the rest. Stand is patchy with aspen clones and then pockets of oak. The heaviest oak regeneration is under the oak overstory.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
13	4131 - Aspen, Oak	Poletimber Well	138.4	41	Unspecified	Aspen stand with a good oak component and some maple. The aspen meets the age class for early treatment and this site would be a good one. The east fringe is a very steep slope and is unharvestable. It does contain all representative species and would be good for long-term retention. Will prevent erosion of the slope banks. Leave all white oak, very small percentage and mark some large mast oaks where present.
16	4131 - Aspen, Oak	Sapling Well	23.6	11	Immature	Dense aspen regeneration of the ridge tops and partially down the slope sides. The bottom of the slopes and valley bottoms contain mainly oak stump sprouts and cherry.
17	4121 - Oak, Aspen	Sawtimber Medium	2.7	89	81-110	Large bowl with very steep sides that is currently receiving damages from illegal use by pickups and ORV's. The bottom of the bowl is barren sand about 3/4 acre in size. The terrain is too steep to treat and by doing so the banks would erode even more and entice further expansion of the illegal hill runs.
18	4125 - Black, N. Pin Oak	Poletimber Well	35.0	41	81-110	Oak stand with 3/4 of the oak regeneration being from stump sprouts with multiple stems. Predominate regeneration in understory is oak. Is a pocket of heavy red maple in one spot. Also includes a two acre inclusion of aspen in the northern third.
19	4131 - Aspen, Oak	Poletimber Well	112.1	41	Unspecified	Undulating terrain with steep slopes on the western edge. Nice aspen with a good amount of oak mixed in which mostly is from stump sprouts so they are multi-stemmed. An ORV trail bisects through this stand. For future access to harvest this stand, trucks will only be able to go out to the north through C131. The roads running on the north and south ends of this compartment are too steep and sandy for large trucks to operate. Do not treat this rotation as too stagger treatments areas within the compartment.
21	4131 - Aspen, Oak	Sapling Well	34.0	4	Immature	Stand harvested in 2011 under the Wildfire Aspen sale that included portions of Stand 18, Compartment 131 to the north. Good aspen and oak regeneration. Have oak from both stump sprouts and seeding. There is a patch of older aspen/oak in smaller pole size on the north line that originates from a Stand 18, Compartment 131.
22	4199 - Other Mixed Upland Deciduous	Poletimber Well	52.0	41	81-110	Mixed stand heavy with oak followed up by aspen clones and a few pockets of jack pine. Most of the oak is from stump sprouts. Hold off because has a high percentage of immature oak.
23	4132 - Aspen, Jack Pine	Poletimber Medium	27.8	41	Unspecified	A mixed stand with the only common species overall being aspen. It is largely the bottom of a valley between two aspen ridges. An ORV Route runs through it. There are pockets of jack pine and cherry to pure jack pine and pure aspen pockets. Both are poor quality. Recommend treating this stand and do it in the dormancy season to help stimulate growth. Do a mid-inventory check for regeneration and if not restocking planting jack pine.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
27	4199 - Other Mixed Upland Deciduous	Sawtimber Well	52.4	88	111-140	This stand is overmature, poor quality pin oak and mature aspen. There are lots of standing dead oak in here and is getting hit by firewooders. The stand needs to be harvested to keep oak and aspen component. There is good regeneration of both in the understory. There is a broad based drain in the north end of the stand that runs from stand 9 into 8. A dried up stream bed (1-2 feet wide) still exists but the beaver have it dammed up to the north. The draw has filled in with aspen in the log size now. To access the portion of this stand west of the stream bed, placement of crane mats will be needed to bridge the span. The broad based drain area will be painted out as retention to protect the more sensitive soils.
28	4199 - Other Mixed Upland Deciduous	Poletimber Well	18.8	41	51-80	Fragmented stand with numerous amounts of open grass areas between the stump sprouted oaks and pin cherry. It is right on the low edge of the canopy closure. There is an aspen clone in a shallow draw roughly in the middle of the stand. Oak saplings in the understory of this aspen.
29	4131 - Aspen, Oak	Poletimber Well	8.3	41	Unspecified	Pole sized aspen with some logs and mixed in oak. The oaks are mostly stump sprouted pin oaks. Regeneration is an even mix of oak and red maple. Stand will hold another rotation. The terrain is rolling topography but none to steep to treat.
30	4130 - Aspen	Poletimber Well	17.3	41	Unspecified	Good aspen stand on rolling topography that slopes sharply to the west down to a lowland marsh. Main regeneration under the aspen is red maple. Recommend treating this during dormancy to stimulate regeneration. The west line has had over 80 freshly cut pole-sized trees from beaver activity in the adjacent marsh. Some white pine at the south tip. Paint out some of the steeper slopes within the stand for retention.
32	4130 - Aspen	Poletimber Well	6.5	41	Unspecified	Dense quaking aspen stand that would be good to treat and stagger the aspen age classes in the compartment.
35	4125 - Black, N. Pin Oak	Poletimber Medium	19.3	41	51-80	Moderate canopy closure with mainly stump sprouted oaks. Find aspen mainly on the outer edges. Some jack pine along the slope into stand 20.
37	4311 - Pine, Aspen Mix	Poletimber Medium	16.5	41	Unspecified	Bowl stand with poor quality aspen and jack pine. Scattered patches of open grass here and there. Treat this stand to break - up the aspen age class in the compartment.
38	4126 - White, Black, N. Pin Oak	Sawtimber Well	6.9	92	81-110	Overmature pin oak stand with some white oak. The regeneration is good oak with some red maple and a trace of aspen and white pine. Recommend seed tree harvesting leaving the large crowned oaks for mast, siding towards the white oaks. Cut the oak and white pine down to 5 inches.
39	4131 - Aspen, Oak	Poletimber Medium	23.0	41	Unspecified	Ridge top with good component of oak with aspen. Most of the oak is stump sprouted. White oak is mainly seeded. Oak regeneration is found over most of the stand with just small pockets of red maple scattered about. Leave the stand for another rotation to get the oak understory more time to get into the canopy. When harvest remove the aspen and thin the oak. A wildfire burnt through a portion of this stand within the last ten years. It originated from the camping spot in stand 25.

S
t
a
n
d

Roscommon Mgt. Unit

Report 8 – Forested Stands

Compartment: 132
Year of Entry: 2017

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
40	6127 - Lowland Pine	Sawtimber Poor	8.2	125	51-80	Low ground stand with supercanopy white pine with cedar in the mid canopy. Getting balsam fir in the mid-canopy with good amounts of balsam fir and white pine regeneration in pockets. The tag alder is prevalent in the entire stand. Has moss and leatherleaf also. Ground to sensitive to try a treatment. Leave to manage naturally.
43	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	5.9	84	81-110	Steep west facing slope with a narrow flat bench before dropping off into the marsh. Thick regeneration of balsam fir mainly followed up by white pine. Leave this stand because it is difficult to harvest without causing damages via erosion.
44	4125 - Black, N. Pin Oak	Poletimber Well	18.0	41	81-110	Oak stand with mostly multi-stemmed stump sprouted oaks. Patches of aspen clones mixed throughout. In a shallow valley.
45	4131 - Aspen, Oak	Poletimber Well	11.7	41	Unspecified	Nice quality aspen stand with some stump sprouted oaks on a ridge top. More maple at the south finger that hits the south road. Find red maple scattered in understory also. Treat now to stagger aspen age classes in compartment. Harvest in dormant season to aid regeneration and avoid conflicts with the ORV route on the south road, which is the route the trucks will need to go.
46	4130 - Aspen	Poletimber Well	7.7	41	Unspecified	Poor quality quacking aspen stand on steep slope in most places. Not much regeneration in the understory, and what is there is oak. Recommend leaving this stand because most of it is on slopes to difficult to harvest and would lead to erosion problems. Also the ORV route runs through here and the tree density has kept them from climbing the slopes illegally as is the case to stand 34 to the south.



Stand	Cover Type	Acres	Managed Site	General Comments:
4	6225 - Bog	7.9	No	Leatherleaf bog that has two narrow grassed valleys running one on either side, to the north.
8	6220 - Alder/willow	7.3	No	Was part of the large wetland complex to the north, stand 9, but through the years the beaver have dammed the flow off to this area and it has grassed in. There is still tag alder and dogwood giving sign of a higher water table.
9	629 - Mixed non-forested wetland	21.3	No	Marsh with a stream that is being dammed up in at least two stops. The cedar that was in here has died off. Tag alder filling in. Some pockets of slightly higher islands where large white pine have been able to not be flooded out. The beaver are hitting the aspen stand to the east hard.
14	122 - Road/Parking Lot	2.8	No	Dunham Lake Road
15	122 - Road/Parking Lot	2.0	No	Dunham Lake Road
20	31029 - Grass (OI)	3.2	No	Grass valley with some scattered jack pine on the perimeter. Luckily ORV's have not found this open ing.
24	3102 - Grass	5.0	No	Grass opening with scattered pin oaks and some cherry.
25	3102 - Grass	1.3	No	Grass opening with a few oaks on the perimeter. Evidence is a lot for disbursed camping.
26	3102 - Grass	1.1	No	
31	6220 - Alder/willow	1.5	No	Tag alder marsh
33	3102 - Grass	8.4	No	The west half contains two separate bowls and seasonally hold water. There are defined stream channels leading from the leatherleaf bog to the north, Stand 4, southerly into the first bowl and subsequently south to the southern bowl. There is willow brush in these bowls. The east half is grass slope with some scattered pin oak. The ORV route runs along the southern edge of this stand and luckily they have not gone mudding in the wet bowls.
34	710 - Sand, Soil	3.8	No	Grass opening/barren sand stand in the bottom of a valley containing an ORV route. The ORV's have created a hill climb in the southern part of the stand up the side slopes. This has resulted in excessive erosion. Recommend when surrounding stands are treated by a timber sale that brush is acquired from them and used to brush the slopes in to stops traffic from further eroding the slopes.
36	3102 - Grass	1.3	No	Grass valley within an aspen stand that has some scattered oaks and cherry about. Has not received any ORV damages.
41	310 - Herbaceous Openland	1.7	No	Grass opening with scattered oaks and cherry. Might be a good spot for a wildlife food plot with all the aspen cover.



Stand	Cover Type	Acres	Managed Site	General Comments:
42	310 - Herbaceous Openland	1.1	No	Scattered oak and cherry in a grass depression.
47	3102 - Grass	2.8	No	