

Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71133 Entry Year 2018 Acreage: 1,377

County Roscommon

Management Area: AuSable Outwash

Revision Date: 2016-07-26

Stand Examiner: Doug Bates

Legal Description:

T21N R1W sections 1, 2, and 12

Identified Planning Goals:

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

Soil and topography:

Soils are composed primarily of pitted outwash and ice-contact deposits. Kotar types are primarily PArVHa with some wetland toward the southeast.

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

Mostly solid block of state land surrounded by some hunting clubs and camps.

Unique Natural Features:

None identified, but the habitat could potentially harbor dusted skipper, grizzled skipper, and red-legged spittlebug in grassy openings and open stands. Potential also exists for Hill's thistle, rough fescue, Alleghany plum, and pale agoseris in stands with barrens type structure.

Archeological, Historical, and Cultural Features:

None identified or detected during field work.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

There is a small creek in the southeast corner of the compartment.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Sections 1, 2 & 12, T21N R1W, Roscommon County

Surface sediments consist of sand and gravel from ice-contact drift. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for clay elsewhere in the state. Most of the good sand and gravel pits are associated with upland areas. Most of this compartment is upland and, therefore, potential is considered good. There is an isolated, plugged Detroit River oil well in Section 12. The closest active oil or gas production is the West Branch Field five miles to the northeast. There is currently no active leasing within the compartment.

Vehicle Access:

There is good vehicle access to most areas of the compartment. However, two stands currently have limiting factors for access due to the need for a bridge or access from private landowners.

Survey Needs:

Within Section 1 survey corners will need to be established to treat stands 8, 9, and 26.

Recreational Facilities and Opportunities:

Michigan Cross Country Cycle Trail from St. Helen to M-30 and Midland to Mackinaw Scout trail occurs in this compartment west of Dunham Lake Road. All sign posts and confidence markers shall be protected. Ensure logging activity does not obliterate the trail. Prohibit blocking trail crossings or leaving slash and debris on the recreational trail. Dispersed camping

and hunting are other popular recreational pursuits with in the compartment.

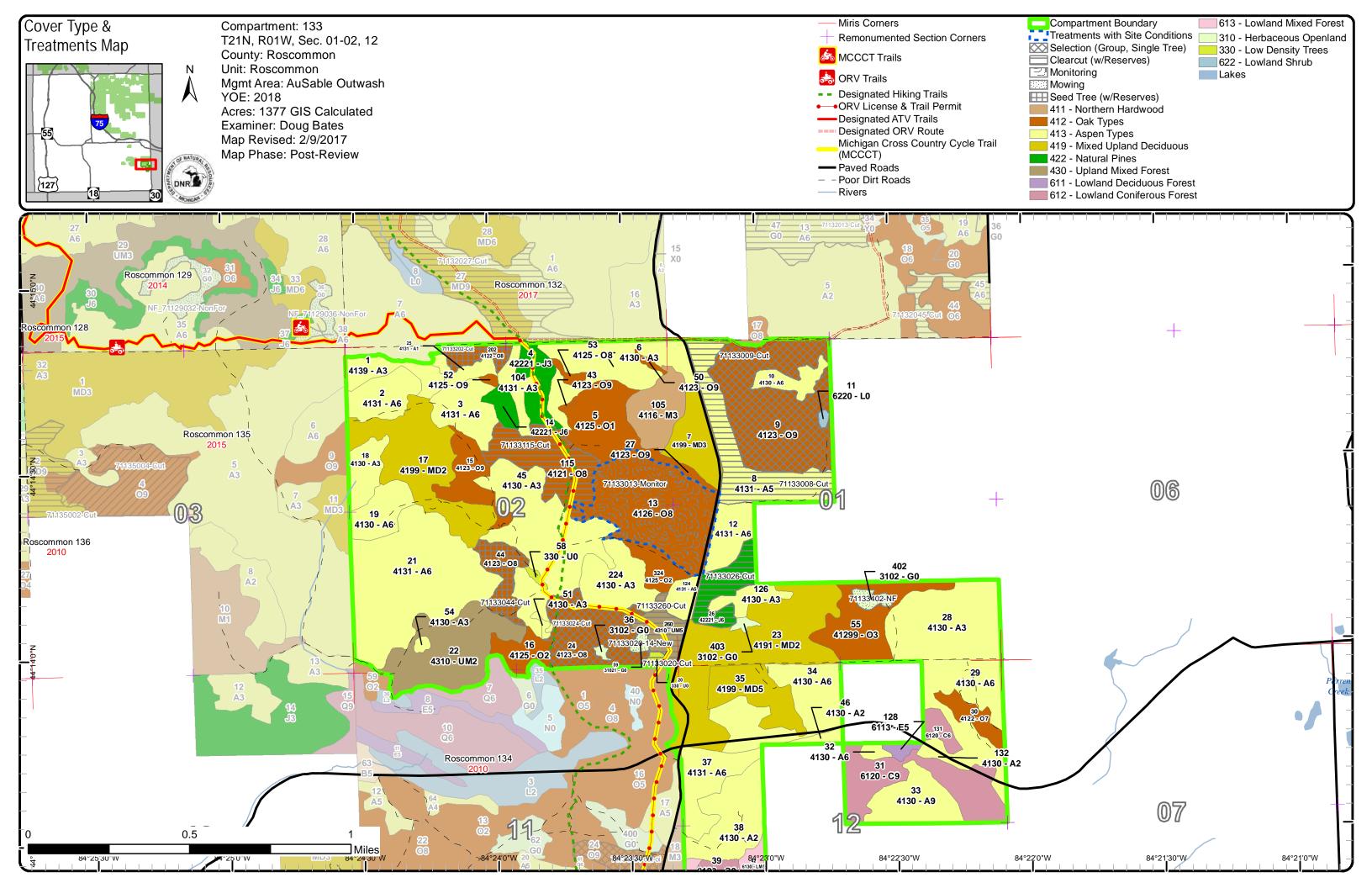
Fire Protection:

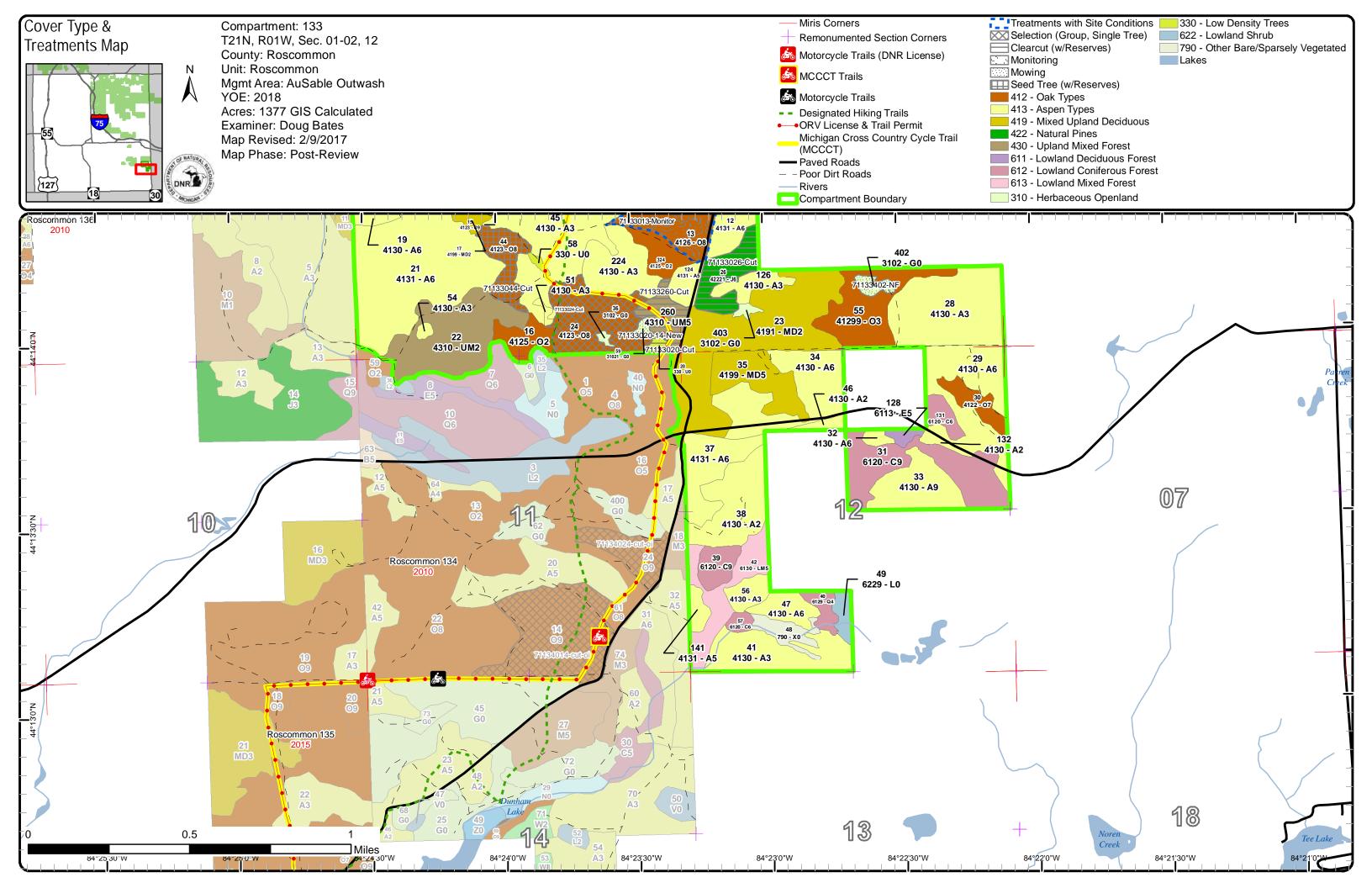
Additional Compartment Information:

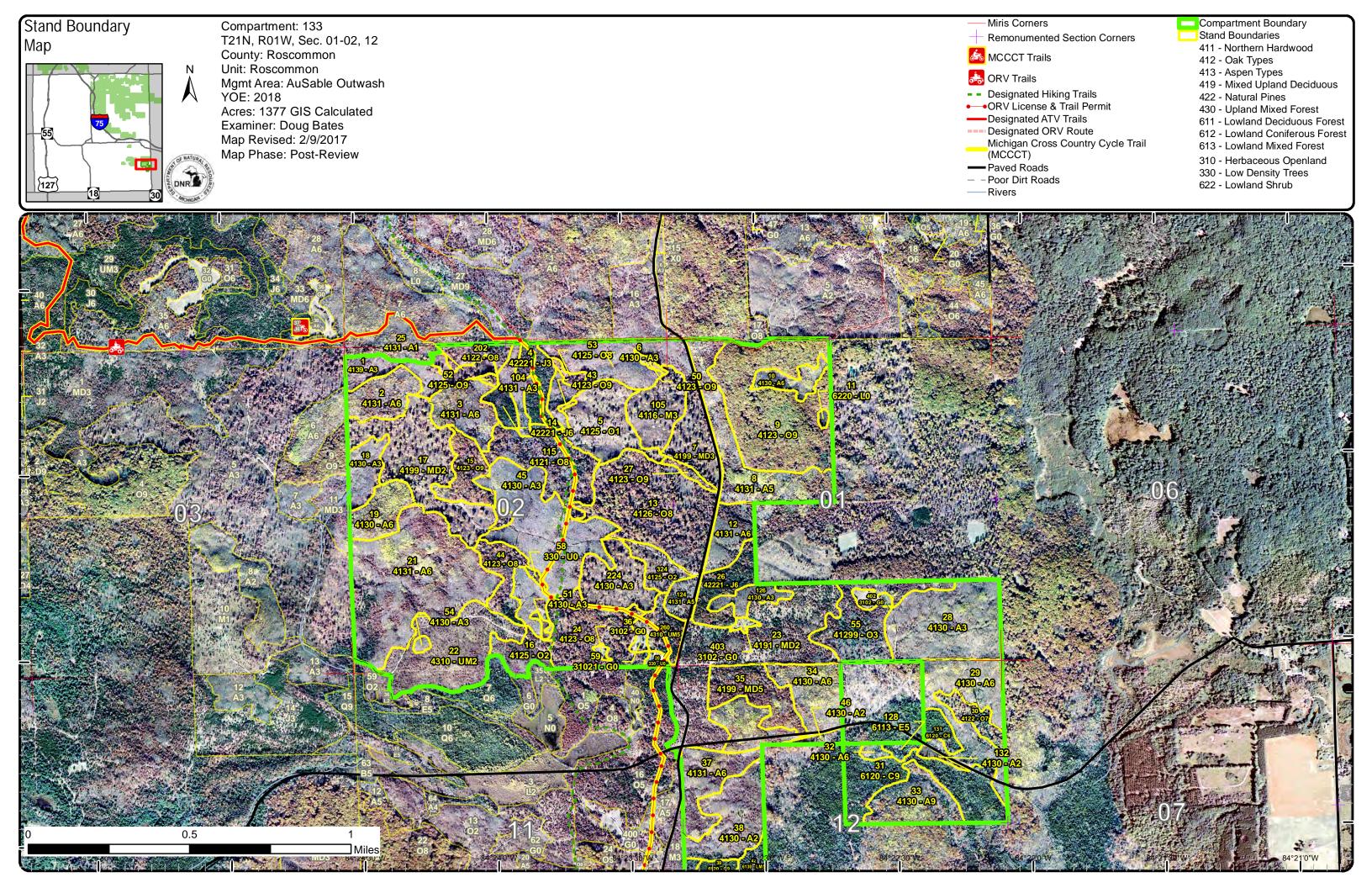
The following reports from the Inventory are attached:

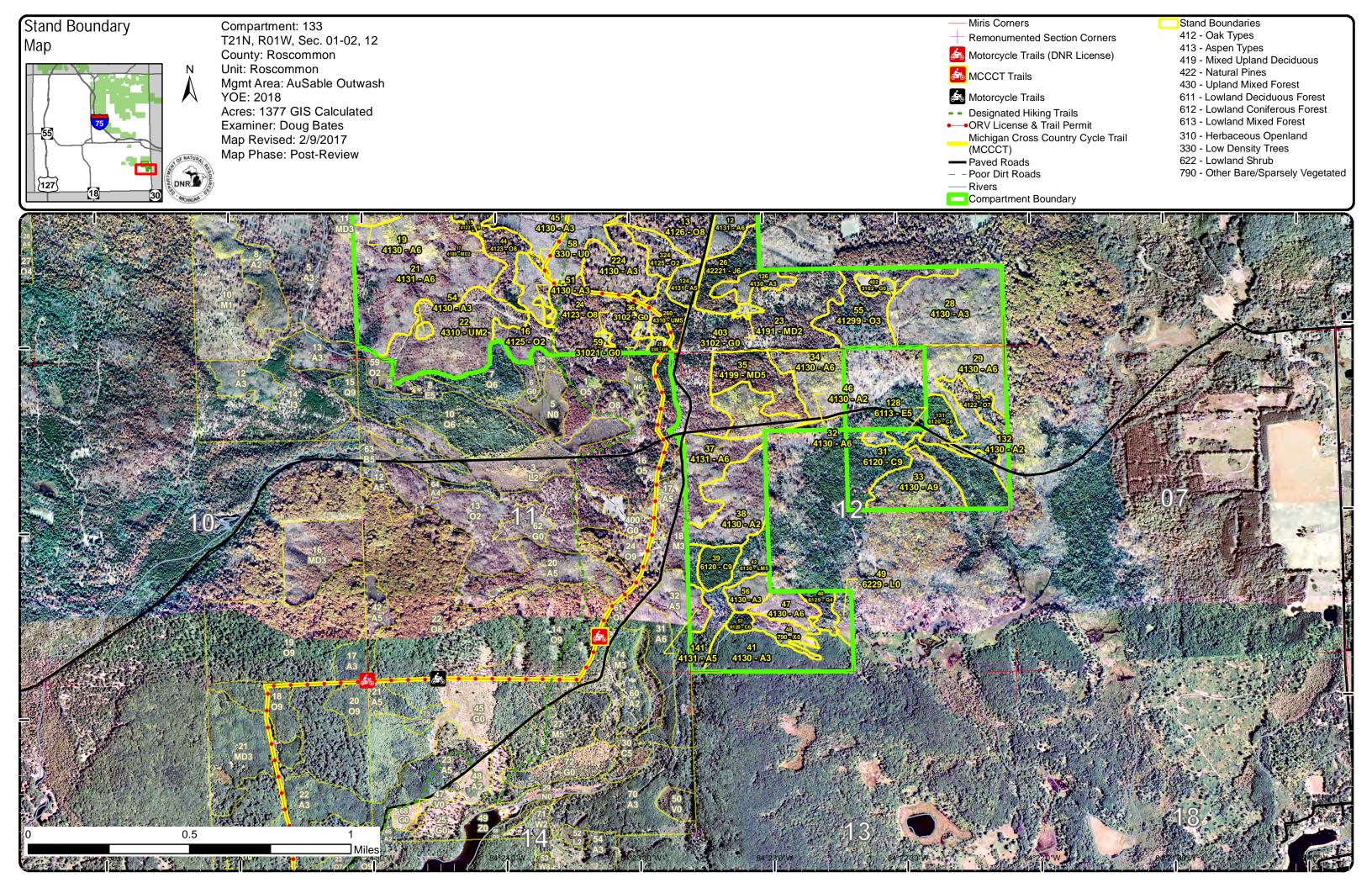
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

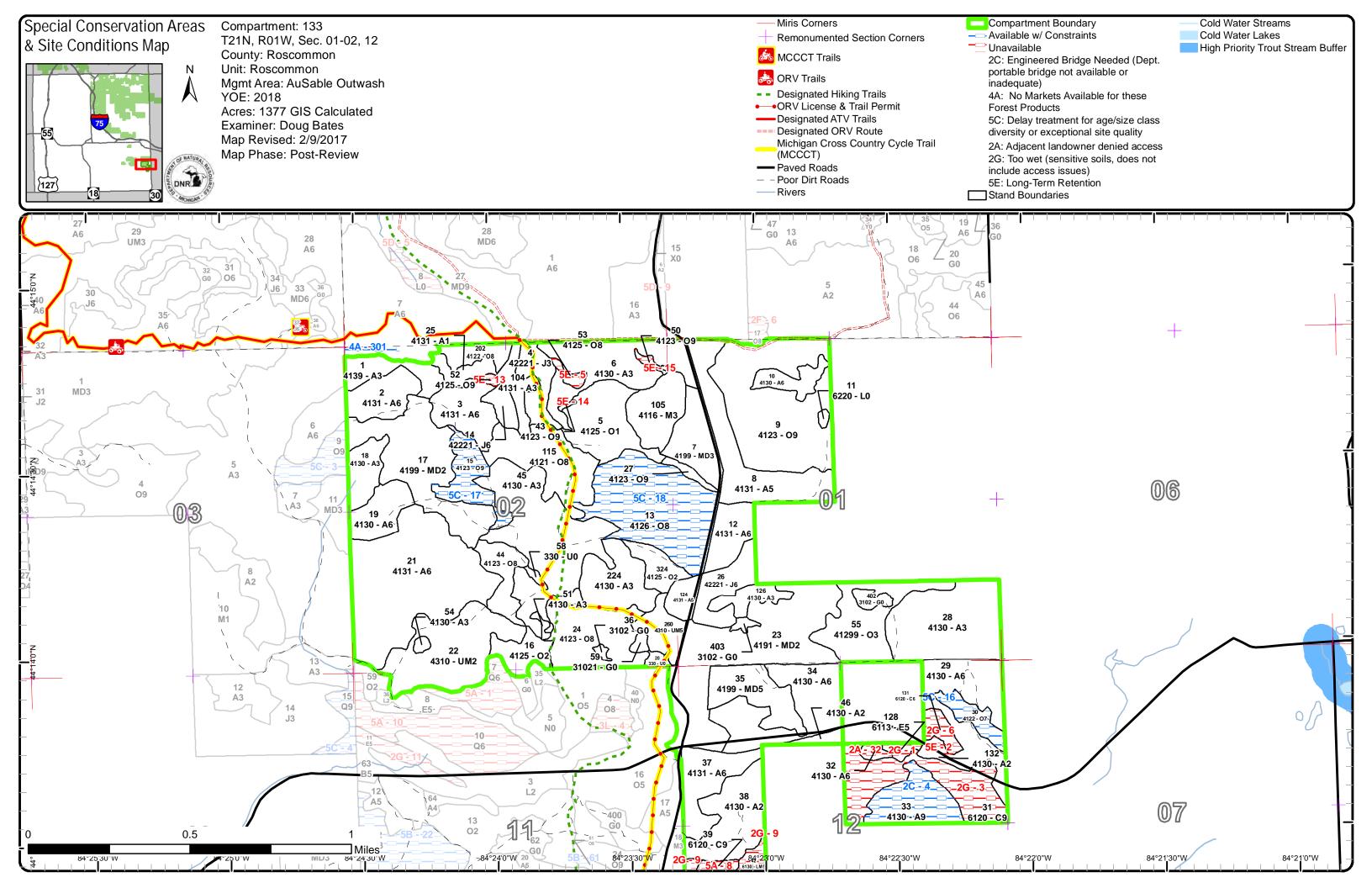
The following information is displayed, where pertinent, on the attached compartment maps:
Base feature information, stand boundaries, cover types, and numbers
Proposed treatments
Site condition boundaries
Details on the road access system

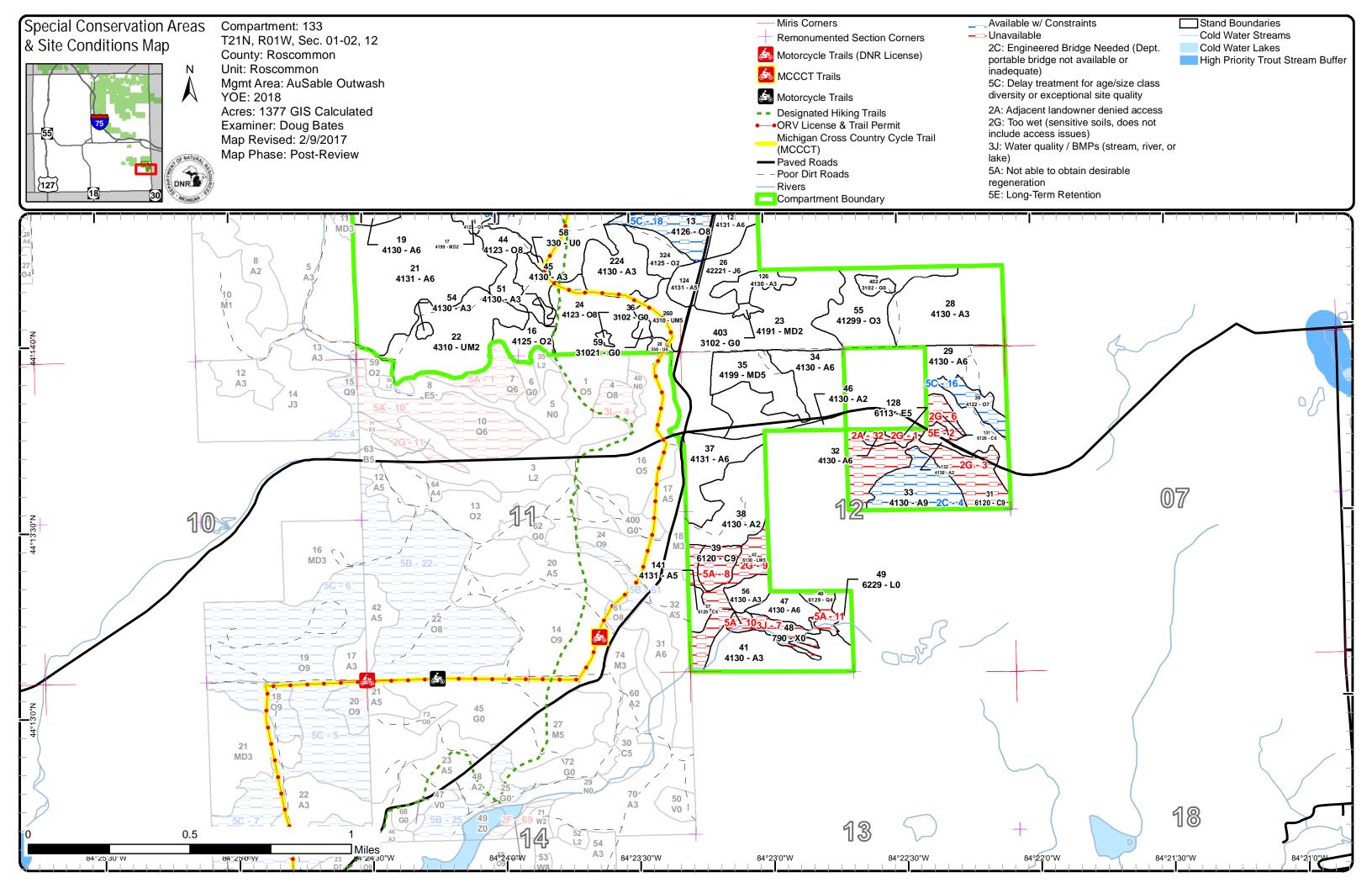












Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit

Doug Bates: Examiner

Unit Compartment 133 Year of Entry 2018



Age Class

| | | | | | | , | | | | | | | | , | | | | | |
|-------------------------|-----|---------|-------|-----|---|--------|--|--------------|---|------------------------|-----|---|------|--------|---|---|-------|---------|--|
| | No. | Kaper / | 37 /2 | | | 8 / \$ | 18 18 18 18 18 18 18 18 18 18 18 18 18 1 | / % /& | | / } [?] /& | | | 0,00 | (2) /E | | | I A A | St Juli | P. A. S. |
| Aspen | 0 | 33 | 221 | 241 | 0 | 129 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 649 |
| Bare/Sparsely Vegetated | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 |
| Herbaceous Openland | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Jack Pine | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 |
| Low-Density Trees | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Lowland Deciduous | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Lowland Mixed Forest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| Lowland Shrub | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Mixed Upland Deciduous | 0 | 69 | 0 | 76 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 167 |
| Northern Hardwood | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| Oak | 0 | 39 | 11 | 30 | 0 | 0 | 0 | 0 | 0 | 117 | 143 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 338 |
| Upland Mixed Forest | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 |
| Total | 25 | 161 | 277 | 365 | 0 | 151 | 0 | 28 | 0 | 143 | 230 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1377 |



Report 2 – Treatment Summary

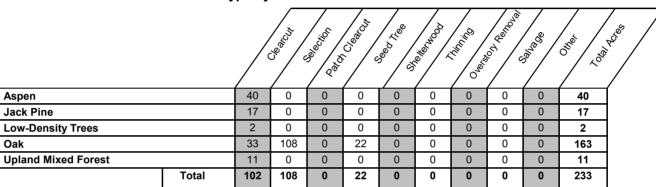
Roscommon Mgt. Unit Year of Entry: 2018

Acres of Harvest

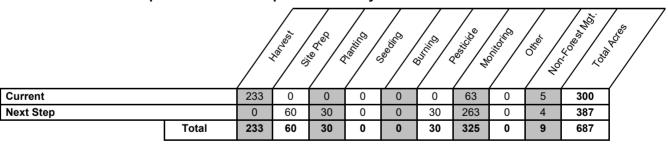
Compartment 133
Total Compartment Acres: 1,377

Commercial Harvest - 232 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Compartment: 133

Year of Entry: 2018

S t a

Treatment Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** n Name CoverType Density Age Range Type Method Objective Structure Status d 8 71133008-Cut 39.7 4131 - Aspen, Oak Poletimber Clearcut with 413 - Aspen Draft Field 41 Unspec Harvest Even-Aged Medium ified Retention Boundary

Habitat Cut: No Site Condition:

<u>Prescription</u> Final harvest all species to 2 inches but the oak. Remove oak down to 5 inches. Mark an additional 10 basal area of large oaks, preferably <u>Specs:</u> white, for mast/visual. Delineate out and buffer the large bowls at the north from the treatment and use for retention.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen to full stocking

Regen:

Other Has interface with private property. Was not able to find certified corners. May need to be surveyed to establish line.

Comment:

Proposed Start Date: 10/01/2017

412 - Oak Types 71133009-Cut 74 1 4123 - Red Oak Sawtimber 95 111-Harvest Single Tree Uneven-Draft Field Well 140 Selection Boundary Aged

Habitat Cut: No Site Condition:

Prescription
Specs:
Thin the stand down to a 70-90 basal area average managing for good formed crop trees and opening up some regeneration gaps (60 feet)to try and encourage oak regeneration. The red maple understory is thick. The treatment will be roundwood only, but still will have a high percentage of maple regeneration damage. This is not a concern, not the target species want regenerated and will create areas for oak to have a fair start. Side towards leaving/managing for white oak when possible. Place an oak wilt spec. and recreational trail protection spec. in the sale contract.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Oak with a mixed deciduous component.

Regen:

Other Has interface with private property. Was not able to find certified corners. May need to be surveyed to establish line.

Comment:

Proposed Start Date: 10/01/2017

71133013-62.5 4126 - White. Sawtimber 81-110 **Draft Field** 87 Monitorina Other - Specify 4121 - Oak. Even-Aged Monitor Black, N. Pin Oak Medium Aspen Boundary

<u>Habitat Cut:</u> No <u>Site Condition:</u> Age-Class or Site Quality

<u>Prescription</u> Monitor for the spread of oak wilt from stand to the north. It enters into stand look at treating stand sooner than next rotation.

Specs:

Next Step Treatments:

TTOGETTOTICO

<u>Acceptable</u>

Regen:

Other Comment:

Proposed Start Date: 10/01/2017

20 71133020-14- 1.7 330 - Low-Density Nonstocked 0 Unspec NonForestMgt Mowing 310 - Draft Field New Trees ified Herbaceous Openland

Habitat Cut: No Site Condition:

Prescription Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Nine mile 11

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Comment:

Proposed Start Date: 10/01/2017

Red Pine

Boundary

S t а n

Treatment Stand **Treatment Treatment Cover Type** Acres Stand Size BA Age **Approval** Name CoverType Density Age Range Type Method Objective Structure **Status** d 71133020-Cut 2.0 330 - Low-Density 4211 - Planted **Draft Field** 20 Nonstocked 0 Unspec Harvest Clearcut Even-Aged

Site Condition: Habitat Cut: No

Prescription Harvest all trees to 2 inches and chip. Plant site back to red pine.

Trees

Specs:

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

ified

Treatments: Monitoring, Artificial Regen(3yr)

Acceptable fully stocked red pine plantation.

Regen:

Other Place a recreational trail protection spec. and possibly spread some slash in the illegal scramble areas that are bare sand.

Comment:

Proposed Start Date: 10/01/2017

24 71133024-Cut 34 2 4123 - Red Oak Sawtimber 89 81-110 Harvest **Group Selection** 4121 - Oak, Even-Aged Draft Field Medium Aspen Boundary

Habitat Cut: No Site Condition:

Prescription Harvest by removing aspen, red maple, and jack pine to 2 inches. With oak remove to 5 inches. Mark groups of oak in 20-30 basal area clumps evenly spaced throughout stand. Leave no oaks around the aspen regeneration and remove oak overstory over areas of heavy oak Specs:

regeneration. Do not remove oaks if will cause to much damage to regeneration. Do not allow whole tree skidding, but make a roundwood

operation. Favor white oaks for residual. Place a 3 percent retention island around stand 36.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable oak with an aspen component to full stocking

Regen:

Other Make sure have oak wilt spec. and recreational trail protection spec.

Comment:

Proposed Start Date: 10/01/2017

42221 - Natural 4211 - Planted Draft Field 71133026-Cut 16.9 Poletimber 64 81-110 Harvest Clearcut with Even-Aged Jack Pine, Mixed Well Retention Red Pine Boundary

Deciduous

Habitat Cut: No Site Condition:

Prescription Final harvest all species to 2 inches and chip to allow for establishing a red pine plantation. Leave a 3 percent retention island in an area with the

Specs: highest oak content.

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

<u>Treatments:</u> Monitoring, Artificial Regen(3yr)

Acceptable fully stocked red pine plantation.

Regen:

Other

Comment:

10/01/2017 **Proposed Start Date:**

71133044-Cut 13.6 4123 - Red Oak Sawtimber 92 81-110 Harvest Seed Tree with 4121 - Oak Even-Aged **Draft Field** Boundary

Medium

Retention Aspen

Habitat Cut: No Site Condition: Prescription Remove all species to 2 inches except oak. Remove oak to 5 inches. Mark to have an average basal area of 20-30 in oak for seed/mast and

side towards white oak when feasible. Areas with more oak in understory remove more of the oak overstory. Will look like patches in the end. Place a retention island along the border with stand 17.

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Specs:

Acceptable oak and mixed deciduous to full stocking. If not interplant open areas to red pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017 Roscommon Mgt. Unit Report 3 --

S t a Report 3 -- Treatments

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Compartment: 133

Year of Entry: 2018

| 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 |
|-------------|-------------------|-------|--------------------|---------------------|--------------|-------------|-------------------|----------------------------|-------------------------|------------------|-------------------------|
| 115 | 71133115-Cut | 32.5 | 4121 - Oak, Aspen | Sawtimber Medium | 92 | 51-80 | Harvest | Clearcut with Retention | 4121 - Oak, Aspen | Even-Aged | Draft Field Boundary |

Habitat Cut: No Site Condition:

<u>Prescription</u> Harvest by removing aspen, red maple, and jack pine to 2 inches. With red oak remove to 5 inches. Do not cut any white oak. Place a 3 <u>Specs:</u> percent retention island in middle of stand west of the trail road.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Push the stand to an aspen dominated stand with and oak component.

Regen:

Other Place an oak wilt spec, and recreational trail protection spec, in the sale contract.

Comment:

Proposed Start Date: 10/01/2017

202 71133202-Cut 8.2 4122 - Oak, Pine Sawtimber 89 81-110 Harvest Seed Tree with 4122 - Oak, Pine Even-Aged Draft Field Retention Boundary

Habitat Cut: No Site Condition:

Prescription Final harvest all species to 2 inches but the oak. Remove oak to 5 inches. Mark out 10 basal area of large monarch red pine where applicable and approximately 20 basal area of large crowned oaks for mast, preferably white oak where applicable. Place a small retention pockets around the dispersed campsite on the far east side. Make sure it includes the witness trees.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable oak and mixed pine of varying percentages to full stocking.

Regen:

Other Comment:

Proposed Start Date: 10/01/2017

260 71133260-Cut 11.3 4310 - Pine, Oak Poletimber 65 81-110 Harvest Clearcut 4211 - Planted Even-Aged Draft Field Mix Medium Red Pine Boundary

Habitat Cut: No Site Condition:

<u>Prescription</u> Final harvest all species to two inches and chip to allow for planting of red pine. No retention due to stands smaller size, quality, and

<u>Specs:</u> recreational trail bisecting it.

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

Treatments: Monitoring, Artificial Regen(3yr)

Acceptable fully stocked red pine plantation.

Regen:

Other Protect recreational trail and possibly use some of the tops to slash in the illegal scramble area within the sale.

Comment:

Proposed Start Date: 10/01/2017

402 71133402-NF 3.5 3102 - Grass Nonstocked Unspec NonForestMgt Mowing 310 - Draft Field ified Herbaceous Boundary

Openland

Habitat Cut: No Site Condition:

<u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Nine Mile 13.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:
Other
Comment:

Proposed Start Date: 10/01/2017

Total Treatment Acreage Proposed:

300.2

Roscommon Mgt. Unit

Compartment: 133 Year of Entry: 2018 Doug Bates : Examiner

| Availa | ability for | Managemer | nt | | | | | | | | |
|--------|-------------|----------------|---------------|-------------------------|--------|---------|-------|---------|----|----|----|
| Total | Acres | Acres Avail | Acres |] | Domina | nt Site | e Con | ditions | 5 | | |
| Acres | Available | With Condition | Not Available | | 2C | 5C | 2A | 2G | 3J | 5A | 5E |
| 648 | 621 | 24 | 4 | Aspen | 24 | | 2 | | | | 2 |
| 8 | 0 | 0 | 8 | Bare/Sparsely Vegetated | | | | | 8 | | |
| 55 | 0 | 0 | 55 | Cedar | | | | 44 | | 12 | |
| 8 | 8 | 0 | 0 | Herbaceous Openland | | | | | | | |
| 35 | 35 | 0 | 0 | Jack Pine | | | | | | | |
| 3 | 3 | 0 | 0 | Low-Density Trees | | | | | | | |
| 6 | 0 | 0 | 6 | Lowland Conifers | | | | | | 6 | |
| 3 | 0 | 0 | 3 | Lowland Deciduous | | | | 3 | | | |
| 23 | 0 | 0 | 23 | Lowland Mixed Forest | | | | 23 | | | |
| 6 | 6 | 0 | 0 | Lowland Shrub | | | | | | | |
| 167 | 167 | 0 | 0 | Mixed Upland Deciduous | | | | | | | |
| 20 | 20 | 0 | 0 | Northern Hardwood | | | | | | | |
| 338 | 245 | 88 | 5 | Oak | | 88 | | | | | 5 |
| 56 | 56 | 0 | 0 | Upland Mixed Forest | | | | | | | |
| 1,377 | 1,161 | 112 | 104 | Total Forested Acres | 24 | 88 | 2 | 69 | 8 | 17 | 7 |
| | 84% | 8% | 8% | 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.

| | ond 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) | 3 | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified | Unspecified |
| | omments: ream flows throug | h from private. | | | | | |
| 2 | Unavailable | 5E: Long-Term Retention | 2 | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | Unspecified | Unspecified | Unspecified |
| Cc | omments: | | | | | | |

Report 4 – Site Conditions

Roscommon Mgt. Unit

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Compartment: 133

| 3 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 38 | 3J: Water quality / BMPs (stream, river, or lake) | 5A: Not able to obtain desirable regeneration | Unspecified | Unspecified |
|---|-------------|---|----|---|---|-------------|-------------|
| (| Comments: | | | | | | |
| 4 | Available | 2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate) | 24 | 2B: Unknown if access through adjacent landowner(s) is possible | Unspecified | Unspecified | Unspecified |
| (| Comments: | | | | | | |
| 5 | Unavailable | 5E: Long-Term Retention | 2 | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified | Unspecified | Unspecified |
| (| Comments: | | | | | | |
| 6 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 6 | 5A: Not able to obtain desirable regeneration | Unspecified | Unspecified | Unspecified |
| (| Comments: | | | | | | |
| 7 | Unavailable | 3J: Water quality / BMPs (stream, river, or lake) | 8 | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified | Unspecified | Unspecified |
| | Comments: | | | | | | |

Report 4 – Site Conditions

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| 8 | Unavailable | 5A: Not able to obtain desirable regeneration | 9 | 3H: Deer Wintering Areas | 3J: Water quality / BMPs (stream, river, or lake) | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified |
|----|-------------|---|----|---|---|---|-------------|
| (| Comments: | | | | | | |
| 9 | Unavailable | 2G: Too wet (sensitive soils, does not include access issues) | 23 | 3J: Water quality / BMPs (stream, river, or lake) | Unspecified | Unspecified | Unspecified |
| (| Comments: | | | | | | |
| 10 | Unavailable | 5A: Not able to obtain desirable regeneration | 3 | 3H: Deer Wintering Areas | 3J: Water quality / BMPs (stream, river, or lake) | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified |
| (| Comments: | | | | | | |
| 11 | Unavailable | 5A: Not able to obtain desirable regeneration | 6 | 2G: Too wet (sensitive soils, does not include access issues) | Unspecified | Unspecified | Unspecified |
| (| Comments: | | | | | | |
| 13 | Unavailable | 5E: Long-Term Retention | 1 | 2F: Too steep | Unspecified | Unspecified | Unspecified |
| (| Comments: | | | | | | |
| 14 | Unavailable | 5E: Long-Term Retention | 1 | 2F: Too steep | Unspecified | Unspecified | Unspecified |
| (| Comments: | | | | | | |

Report 4 – Site Conditions

Roscommon Mgt. Unit

Doug Bates : Examiner

Compartment: 133 Year of Entry: 2018

| Comments: 16 | 15 | Unavailable | 5E: Long-Term Retention | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
|--|-----|-------------|-----------------------------|----|-------------|-------------|-------------|-------------|
| age/size class diversity or exceptional site quality Comments: 17 Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: 18 Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: 18 Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: 32 Unavailable 2A: Adjacent landowner denied access Comments: 31 Unspecified | Co | omments: | | | | | | |
| 17 Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: 18 Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: 18 Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: 32 Unavailable 2A: Adjacent landowner denied access Comments: 31 Unspecified Unspe | 16 | Available | age/size class diversity or | 9 | Unspecified | Unspecified | Unspecified | Unspecified |
| age/size class diversity or exceptional site quality Comments: 18 | Co | omments: | | | | | | |
| 18 Available 5C: Delay treatment for age/size class diversity or exceptional site quality Comments: 32 Unavailable 2A: Adjacent landowner denied access Comments: 301 Available 4A: No Markets Available for these Forest Products 63 Unspecified | 17 | Available | age/size class diversity or | 17 | Unspecified | Unspecified | Unspecified | Unspecified |
| age/size class diversity or exceptional site quality Comments: 32 Unavailable 2A: Adjacent landowner denied access Comments: 301 Available 4A: No Markets Available for these Forest Products 2 Unspecified U | Co | omments: | | | | | | |
| 32 Unavailable 2A: Adjacent landowner denied access Comments: 301 Available 4A: No Markets Available for these Forest Products 2 Unspecified Unspec | 18 | Available | age/size class diversity or | 63 | Unspecified | Unspecified | Unspecified | Unspecified |
| Comments: 301 Available 4A: No Markets Available 2 Unspecified Unspecified Unspecified Unspecified Unspecified | Co | omments: | | | | | | |
| 301 Available 4A: No Markets Available 2 Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified | 32 | Unavailable | | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| for these Forest Products | Co | omments: | | | | | | |
| Comments: | 301 | Available | | 2 | Unspecified | Unspecified | Unspecified | Unspecified |
| | Co | omments: | | | | | | |

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 | | | | |
| | | | | |

Roscommon Mgt. Unit Compartment: 133
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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.

| Conservation Area | Туре | Description | HCVA = High Conservation Value Area SCA = Special Conservation Area | | | | |
|----------------------|----------------------|---|--|--|--|--|--|
| SCA | Cold Water Stream | stocked trout populations and those of other colyear to year. Coldwater streams in Michigan typ | lved oxygen conditions that allow naturally-reproduced or oldwater fish species (e.g., slimy sculpin) to persist from pically provide these conditions due to substantial ws. Such streams are established by Director's action and ler 210. | | | | |

| S | Roscommon | Mgt. Unit | | Report 7 | ′ – Forested | Stands Compartment: 133 Year of Entry: 2018 |
|------------------|---|----------------------|-------|--------------|--------------|---|
| t a n d | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
| 1 | 4139 - Aspen, Mixed Deciduous | Sapling Well | 13.0 | 15 | Immature | Aspen/maple mixed stand. |
| 2 | 4131 - Aspen, Oak | Poletimber Well | 16.8 | 44 | Unspecified | Poor quality aspen stand. Recommend holding one more rotation, but if need to adjust age classes, this is one that could be treated. |
| 3 | 4131 - Aspen, Oak | Poletimber Well | 18.7 | 44 | Unspecified | Good aspen stand that is not ready to treat. Give one more rotation at least. Nice oak stump sprouts on throughout with dense oak regeneration in understory in places. All portions of stand contain some percentage in all portions of the stand. Aspen is mixed throughout also. |
| 4 | 42221 - Natural Jack Pine, Mixed Deciduous | Sapling Well | 12.6 | 28 | Immature | Not the best quality jack pine with a good amount of oak regeneration though in the understory. The sliver between this stand and stand 5 is an uphill slope with most of it being aspen. They did not cut it with stand 5. Manage it with stand 3. |
| 5 | 4125 - Black, N. Pin Oak | Sapling Poor | 28.5 | 9 | Immature | Stand cut fall 2008. Just barely enough canopy to call forested. Really good oak regeneration mixed with some jack pine and aspen Couple good sized aspen clones on being on the north end and the other the south. Average of 10 basal area of oak logs trees left for seed. |
| 6 | 4130 - Aspen | Sapling Well | 38.1 | 16 | Immature | Decent aspen regeneration with oak and maple component. |
| 7 | 4199 - Other Mixed Upland Deciduous | Sapling Well | 19.4 | 8 | Immature | The original prescription for this stand was to burn the stand to remove competition from maple/cherry and then interplant with red pine. The site was looked at by Fire Staff and was determined a prescribed burn would not deal with the maple at its current size/density. Inspection of stand during inventory and from observation during prior months, it is all most certain a pocket of oak wilt is in the stand in the southern tip. Site was approved to plant red pine last Y.O.E It was decided to let this stand stay as is at the Compartment Review and not try to establish pine. The maple regeneration is to far advanced at this time to treat. |
| 8 | 4131 - Aspen, Oak | Poletimber Medium | 39.7 | 41 | Unspecified | Stand appears older than age and feel should be treated. There are pockets of dense oak regeneration especially in the southwest corner. There are a couple of large steep walled bowls within stand at the northern end. Delineate these out for retention. |
| 9 | 4123 - Red Oak | Sawtimber Well | 74.1 | 95 | 111-140 | Aspen was removed about 20 yrs ago. Healthy northern red, but has some cull. Thick red maple understory 1-2" dbh. Large NRO clear-cut to the north that is rm, aspen, and cherry PVT land to east. Recommend a thinning. Manage for crop trees in areas where applicable and open up some regeneration gaps to try and get some oak regeneration. The maple is so thick, there will be heavy damage to it by operating. This may help the oak get an equal start. Shortwood only though. |
| 10 | 4130 - Aspen | Poletimber Well | 9.0 | 27 | Unspecified | Stand was treated when the surrounding stand was thinned. There are no access roads into this stand. Good aspen but still has a heavy red maple component. |

| s t | Roscommon | Mgt. Unit | | Report 7 | ′ – Forested | Stands Compartment: 133 Year of Entry: 2018 |
|-------------|---|---------------------|-------|--------------|--------------|--|
| a n d | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
| 12 | 4131 - Aspen, Oak | Poletimber Well | 14.7 | 25 | Unspecified | The northern third of the stand is a ridge top full of stump sprouted oaks. The ridges slopes then downward to the north into a sparsely forested bowl of mostly cherry and jack pine. The aspen clones just coming into pole sizes. |
| 13 | 4126 - White, Black, N. Pin Oak | Sawtimber Medium | 62.5 | 87 | 81-110 | Supposedly a seed tree harvest was done in 2002. With the residual basal area of oak currently believe otherwise. The oak is poor quality but does have very good oak and aspen regeneration in the understory. Regeneration amounts are at the point that the overstory could be removed but there are other oak stands with higher aspen components that should be treated first. Hold another rotation will stagger the oak age classes in compartment. Monitor though to see if possible oak wilt pocket in Stand 7 spreads south. If so treat per protocol. |
| 14 | 42221 - Natural Jack Pine, Mixed Deciduous | Poletimber Well | 5.6 | 28 | Immature | Jack pine stand mixed with oak, maple, and aspen. Good amount of oak regeneration. Currently it should hold to rotation age. There is a 1/4 acre island of saw class sized oaks on the northwest line. Good for mast production. |
| 15 | 4123 - Red Oak | Sawtimber Well | 17.0 | 92 | 81-110 | Decent quality oak stand with good aspen clones mixed in. The understory regeneration in the oak overstory is oak and maple. Recommend holding one more rotation to stagger the age classes of oak and allow the aspen to get a little larger. Will not impact the regeneration if wait one more rotation. |
| 16 | 4125 - Black, N. Pin Oak | Sapling Medium | 11.0 | 15 | Immature | An oak clear-cut along swamp edge. Was concern about regen due to deer browse. The aspen and oak have come in good in pockets that cover a good portion of the stand. An 1.5 acre chunk of the stand on the south line was trenched and planted to red pine in 2002. Kind of marginal ground so the pine have not done real well, but they still are alive. |
| 17 | 4199 - Other Mixed Upland Deciduous | Sapling Medium | 50.1 | 8 | Immature | This stand was to be treated by herbicide and planted to red pine last year of entry. It was decided at compartment review to let this stand go as is, that the regeneration is to far along to feasibly treat and establish to red pine. |
| 18 | 4130 - Aspen | Sapling Well | 12.2 | 15 | Immature | |
| 19 | 4130 - Aspen | Poletimber Well | 15.0 | 41 | Unspecified | Very nice aspen regeneration with oak and maple in the overstory. The oak and maple are mostly stump sprouted. The understory is red maple. |

4131 - Aspen, Oak

4310 - Pine, Oak Mix

21

22

Poletimber

Well

Sapling Medium 87.2

45.0

27

15

Unspecified

Immature

Good aspen with a fair amount of oak stump sprouts in the overstory. Both maple and oak in the understory. Good one to hold at least another rotation to get more diameter growth.

Planted to red pine in 2002. There is a fair amount of oak and

aspen competition.

| s t | Roscommor | n Mgt. Unit | | Report 7 | - Forested | Stands Compartment: 133 Year of Entry: 2018 |
|-------------|---|---------------------|-------|--------------|-------------|--|
| a n d | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
| 23 | 4191 - Mixed Upland Deciduous with Conifer | Sapling Medium | 75.7 | 25 | Immature | Sale consisted of strips being laid out approximately 100 feet wide. Every other strip was cut starting in 1992 and the remaining strips done in 1998. Can't tell where the corresponding strips are now. There are several fairly large open grass areas currently throughout the entire stand. The oak is mainly stump sprouts with naturally seeded bushy, poor quality jack pine. A couple good aspen clones are found in stand. |
| 24 | 4123 - Red Oak | Sawtimber Medium | 34.2 | 89 | 81-110 | Mature oak stand with a some declining oaks. Very good regeneration of oak throughout the stand. the aspen is in clones from pole sizes up to saw. Recommend treating the stand to help with oak age class and aspen also. Treat by removing all aspen and leaving pockets of oak overstory. |
| 25 | 4131 - Aspen, Oak | Sapling Poor | 6.7 | 9 | Immature | Stand was harvested in 2008. Coming back in to aspen with a component of oak and maple. There is decent oak regeneration in the understory. Some residual saw class oaks left post-harvest. |
| 26 | 42221 - Natural Jack Pine, Mixed Deciduous | Poletimber Well | 16.9 | 64 | 81-110 | Mature jack pine ready for treatment. Not much regeneration in understory except a small amount of oak. Do a final harvest and plant to red pine. |
| 27 | 4123 - Red Oak | Sawtimber Well | 2.7 | 87 | 111-140 | Steep north facing slope not treated. Inoperable so leave for retention and site condition. |
| 28 | 4130 - Aspen | Sapling Well | 49.4 | 17 | Immature | Stand harvested in the spring 2000. The red maple regeneration in the understory is a jungle. |
| 29 | 4130 - Aspen | Poletimber Well | 38.0 | 26 | Immature | Between Stand 31 and Railroad Grade Road there is a couple acre island of large saw class aspen and red pine. It was left out of the harvest because on three sides are streams and the last is private. Leave as retention. Otherwise decent regenerating aspen stand. |
| 30 | 4122 - Oak, Pine | Sawtimber Poor | 8.8 | 89 | 111-140 | Sale completed in the winter 2008. Almost two different stands with the west half being saw class oak and some red pine around 70 basal area, and the east half is dense white pine with 130 average basal area. The corresponding overstory type is where find the same species for regeneration in the higher amounts. Do find the other species in more minimal amounts. Recommend hold stand another rotation to stagger oak age classes In compartment. |
| 31 | 6120 - Lowland Cedar | Sawtimber Well | 37.8 | 92 | 141-170 | Good sized free flowing streams in this stand. A mixed forest with cedar still being the main component. No cedar regeneration but everything thing else it seems. Recommend leaving stand for visual and diversity. Wet ground and streams make it nearly impossible to treat without causing some sort of damage. |
| 32 | 4130 - Aspen | Poletimber Well | 2.4 | 97 | 81-110 | Small aspen stand with limited means for access to treat. Low ground on all sides with the south line being private. There is all least two flowing streams in the lowland types that would require at least one being crossed. May best be a wildlife habitat cut to keep aspen type. |

| S t a n d | Roscommon Mgt. Unit | | | Report 7 | - Forested | Stands Compartment: 133 Year of Entry: 2018 |
|-----------------------|--|----------------------|-------|--------------|-------------|--|
| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
| 33 | 4130 - Aspen | Sawtimber Well | 23.6 | 92 | 81-110 | Very nice aspen that needs to be harvested but the land is an upland peninsula surrounded on the threes sides by a cedar swamp. The cedar swamp at the narrowest has a free flowing stream and very steep walls. The distance to span is longer than any temporary bridge we have. The south line is private and would be the only feasible means for access. Would be a treatment for the Limited Factor Forester or Wildlife Division may want to habitat cut. |
| 34 | 4130 - Aspen | Poletimber Well | 38.9 | 40 | Unspecified | Nice aspen stand. |
| 35 | 4199 - Other Mixed Upland Deciduous | Poletimber Medium | 22.3 | 40 | 81-110 | Younger oak stand that is not the best quality. Lot of stump sprouting with numerous sparse, open area (50-70b.a.) Areas containing the aspen clones have a higher basal area. There is not much in the way of regeneration in the understory. The southern end contains the highest and it's red maple. |
| 37 | 4131 - Aspen, Oak | Poletimber Well | 22.4 | 25 | Unspecified | Either aspen clones or pockets of oak. Not an even mix of both together. |
| 38 | 4130 - Aspen | Sapling Medium | 30.3 | 15 | Immature | Aspen stand with several open area not regenerating as fast. It does have a natural spring coming out of a hillside at the southeast corner next to the private property creating a free flowing stream at least 2 feet wide. |
| 39 | 6120 - Lowland Cedar | Sawtimber Well | 8.8 | 91 | 171-200 | Has a free flowing stream bisecting stand, flowing through center stand 42 in 57. No regeneration in understory but lots of deer sign. |
| 40 | 6129 - Mixed Coniferous Lowland Forest | Poletimber Poor | 5.6 | 91 | 51-80 | Poor quality stand with areas devoid of cedar has dense tag alder undergrowth with some tamarack regen. |
| 41 | 4130 - Aspen | Sapling Well | 30.7 | 27 | Immature | |
| 42 | 6130 - Fir, Aspen, Maple | Poletimber Medium | 22.7 | 82 | 51-80 | Two-aged stand. All the ash in the overstory is dead but it is regenerating in understory. Dense balsam fir with maple and tag alder mixed in. Has a stream flowing through it between stands 39 and 57. This portion of the stand contains the largest maple also. Created a haul raod along the east line to access Stand 56. The road has not regenerated, suspecting water table went up in this area. Either cattails or tag alder. |
| 43 | 4123 - Red Oak | Sawtimber Well | 0.5 | 95 | 111-140 | Deep forested ravine to steep to treat. Leave as retention and site condition. |
| 44 | 4123 - Red Oak | Sawtimber Medium | 13.6 | 92 | 81-110 | Low quality oak. Oak regeneration doing well. Recommend seed tree the stand leaving some oak for seed and mast. |
| 45 | 4130 - Aspen | Sapling Well | 64.8 | 17 | 1-50 | Stand clearcut in 1990 |

| S t a n d | Roscommon Mgt. Unit | | | Report 7 | - Forested | Stands Compartment: 133 Year of Entry: 2018 |
|-----------------------|-------------------------------------|---------------------|-------|--------------|-------------|--|
| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
| 46 | 4130 - Aspen | Sapling Medium | 3.2 | 16 | Immature | Stand was harvested in 2001. The east side slopes down into a low area and was left out of the harvest. There is an illegal road built back to a cabin across state land. This road was closed after the sale but has now since been reopened without authorization. Portions of the state land are being mowed and illegally signed. The owner of the cabin/property have frontage on the public road but is further with no current drive established. |
| 47 | 4130 - Aspen | Poletimber Well | 9.7 | 27 | Unspecified | |
| 50 | 4123 - Red Oak | Sawtimber Well | 1.5 | 91 | 111-140 | Retention island from stand 105 |
| 51 | 4130 - Aspen | Sapling Well | 1.2 | 17 | 1-50 | Stand clearcut in 1990 |
| 52 | 4125 - Black, N. Pin Oak | Sawtimber Well | 1.0 | 94 | 81-110 | Very steep north facing slope that is inoperable. Leave for retention and site condition it. |
| 53 | 4125 - Black, N. Pin Oak | Sawtimber Medium | 2.4 | 92 | 51-80 | Two small sawlog oak class islands connected by a seasonally wet depression that was left out of the treatment of Stand 6. Will classify as retention and site condition due to small size a wet swale. |
| 54 | 4130 - Aspen | Sapling Well | 1.3 | 17 | Immature | Aspen clone trenched around when planted red pine. |
| 55 | 41299 - Oak (OI) | Sapling Well | 30.0 | 25 | Immature | Sale consisted of strips being laid out approximately 100 feet wide. Every other strip was cut starting in 1992 and the remaining strips done in 1998. Not able to differentiate between the strips now. Contains ridge tops with stump sprouted oaks with pine mixed in. There are a couple of large bowls almost entirely of red maple regrowth. |
| 56 | 4130 - Aspen | Sapling Well | 7.3 | 15 | Immature | Cut the same time as Stand 38 to the north. Created/froze a haul road from Stand 38 across stand 42's east side to this stand. |
| 57 | 6120 - Lowland Cedar | Poletimber Well | 2.7 | 91 | 171-200 | Free flowing stream bisects stand and flows into stand 48. |
| 104 | 4131 - Aspen, Oak | Sapling Well | 8.9 | 28 | Immature | Will be nothing but a poor quality aspen stand . Fair amount of aspen in the understory mixed with oak. Not enough merchanttable wood yet to treat. Hold another ten and if declines further, if not hold one more then treat. |
| 105 | 4116 - Mixed N. Hardwood - Aspen | Sapling Well | 20.0 | 8 | Immature | This stand was to be burnt and have red pine inter-planted around the oak 20-30 basal area oak seed tree overstory left last Y.O.E However, it was not burnt soon enough post-harvest and a subsequent visit by a prescribed burn specialist and unit manager have determined the red maple is to large/dense to treat by burning. Only other method to treat maple is by herbicide. The maple is to tall for ground spraying so it will have to be aerial. It was decided on a site inspection and subsequent Compartment Review to let this stand go as is to maple and aspen. The regeneration is to far along now to feasible treat. |

| s t | Roscommon Mgt. Unit | | | Report 7 | Forested | Stands Compartment: 133 Year of Entry: 2018 |
|-------------|-----------------------|----------------------|-------|--------------|----------------------------|---|
| a n d | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
| 115 | 4121 - Oak, Aspen | Sawtimber Medium | 32.5 | 92 | 51-80 | Two-aged stand with oak saw class mixed with pole class aspen. The regeneration is very good to oak. Treat now to restart the aspen and open up the canopy for the oak regeneration. Believe if wait will cause more damage to further regeneration plus this will help a=stagger the 40-49 year old aspen spike. Will come back to an oak/aspen mix. |
| 124 | 4131 - Aspen, Oak | Poletimber Medium | 7.1 | 25 | Immature | Aspen stand with areas of pure oak mixed in. The aspen is just merchantable size but the oak isn't. |
| 126 | 4130 - Aspen | Sapling Well | 7.9 | 25 | Immature | A poor quality aspen stand. |
| 128 | 6113 - Lowland Maple | Poletimber Medium | 2.7 | 82 | 51-80 | A small wet ground stand with thick balsam fir understory. Best to leave stand alone and not disturb the soils for minimal product available. Good habitat now. |
| 131 | 6120 - Lowland Cedar | Poletimber Well | 5.9 | 92 | 141-170 | Cedar component starting to slip in this stand to be replaced by red maple a balsam fire. Has a stream flowing off the private land through this stand and tying into the stream that parallels the north edge of Railroad Grade Road. |
| 132 | 4130 - Aspen | Sapling Medium | 2.1 | 8 | Immature | Sale cut winter 2008. Decent aspen regeneration on a ridge top between a road and steep drop-off into a cedar type. |
| 141 | 4131 - Aspen, Oak | Poletimber Medium | 4.6 | 27 | Immature | Both ends of stand contains the aspen with the center portion being sparser oak. |
| 202 | 4122 - Oak, Pine | Sawtimber Medium | 8.2 | 89 | 81-110 | Poor quality jack pine and oak stand. Some overmature jack pine in the saw class that is dying out. Mortality even in the younger jack pine. Good regeneration amount of oak and pine in understory. Recommend a harvest treatment removing all jack pine and seed tree the oak for mast. Place retention pocket at eastern tip. Contains a dispersed camping site and two witness trees. |
| 224 | 4130 - Aspen | Sapling Well | 23.6 | 9 | Immature | |
| 260 | 4310 - Pine, Oak Mix | Poletimber Medium | 11.3 | 65 | 81-110 | Overmature jack pine and oak ready for treatment. Treat by final harvest and establish a red pine plantation. |
| 1 | | | | | | _ |

Immature

4125 - Black, N. Pin Oak

324

Sapling Medium

9.8

Was final harvest leaving all red pine and some additional oaks for mast. This totaled about 20 basal area average. The new stand is coming in with a good mix of oaks, aspen, pine.

Compartment: 133 Year of Entry: 2018



| Stand | Cover Type | Acres | Managed Site | General Comments: |
|-------|------------------------------------|-------|-----------------|--|
| 11 | 6220 - Alder/willow | 1.0 | No | |
| 20 | 330 - Low-Density Trees | 2.0 | No | A grassy multi-use area with large overstory oak and some jack pine mixed about. Oak is overmature and dying resulting in grass area expanding. Trees are being cut up for firewood. Portions are used for dispersed camping while one spot is suffering from illegal ORV activity leaving a bare sand spot. This is due to a portion of the ORV trail going through this stand. Plant with red pine with stand 260. |
| 36 | 3102 - Grass | 1.0 | No | Grass bowl depression with a handful of scattered cherry. |
| 48 | 790 - Other Bare/Sparsely Vegetate | 8.1 | No | A flowing stream coming out of Stand 57 into stand 40. It had a beaver dam on it at one time that flooded the area out killing overstory trees. The dam is broken and water receded but is still mainly grass. On the upper most high ground young oak saplings on coming in. |
| 49 | 6229 - Mixed lowland shrub | 5.0 | No | part of a larger swamp that goes east onto private. Some regeneration of tamarack and balsam fir species sparsely in the northern 2/3rds. Not enough to make it forested though. |
| 58 | 330 - Low-Density Trees | 1.1 | No | |
| 59 | 31021 - Cool Season Grass | 1.7 | Yes | A wildlife opening maintained by wildlife division. |
| 402 | 3102 - Grass | 3.5 | Yes | Grass opening maintained by Wildlife Division. |
| 403 | 3102 - Grass | 1.5 | No | |