



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71063

Entry Year 2018

Acreage: 1,126

County Roscommon

Management Area: Upper Muskegon

Revision Date: 2016-06-07

Stand Examiner: Jason Lewicki

Legal Description:

T23N, R02W Sections 1 and 12

Identified Planning Goals:

Vegetation management in the Upper Muskegon management area (MA) (Figure 2.27.1) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year period will focus on harvesting older jack pine and balancing age class distributions of oak, aspen and red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation. Expected trends within this 10-year planning period are the need to manage exotic species (especially Phragmites and glossy buckthorn), the need to continue to manage cover types for a balanced age-class distribution and an expected increase in recreation pressure.

Soil and topography:

Soils consist of Roselawn and Rubicon sands.

Topography is hilly with the center of the compartment being located on "9 mile hill".

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

The entire compartment with the exception of a 40 acre parcel owned by the county is made up of State ownership. There is a state leased gravel pit directly to the east of the compartment. There is a communication tower located within the center of the compartment.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

None known

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

None

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Sections 7 and 18, T23N R2W, Roscommon County

Surface sediments consist of sand and gravel from ice-contact drift, glacial outwash, and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum elsewhere in the state. Most of the good gravel pits are associated with upland areas. The compartment exhibits significant topographic relief (Nine Mile Hill). The Nine Mile Pit (NM Lease 107) is located in sections 17 & 18 and additional potential appears to be good. Active oil and gas production is greater than six miles away. However, all state minerals in the compartment are currently leased for oil and gas exploration and development.

Vehicle Access:

Vehicle access is very good throughout the entire compartment. M-18 runs along its entire western border. There are numerous forest two tracks providing access throughout.

Survey Needs:

Possible survey needed along the county property for the timber harvest in stand 45.

Recreational Facilities and Opportunities:

Dispersed recreation occurs within the compartment from the varying cover types offering hunting and gathering (Mushrooms/Berries) opportunities. Consider visual management techniques to maintain noise and visual buffers along I-75 corridor and rest area.

Fire Protection:

Additional Compartment Information:

The following reports from the Inventory are attached:

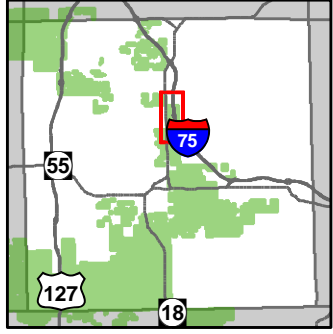
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

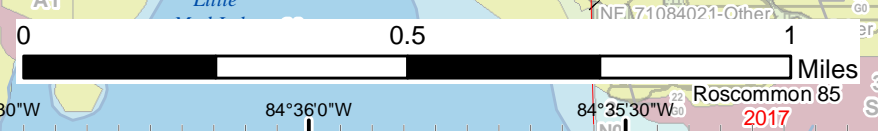
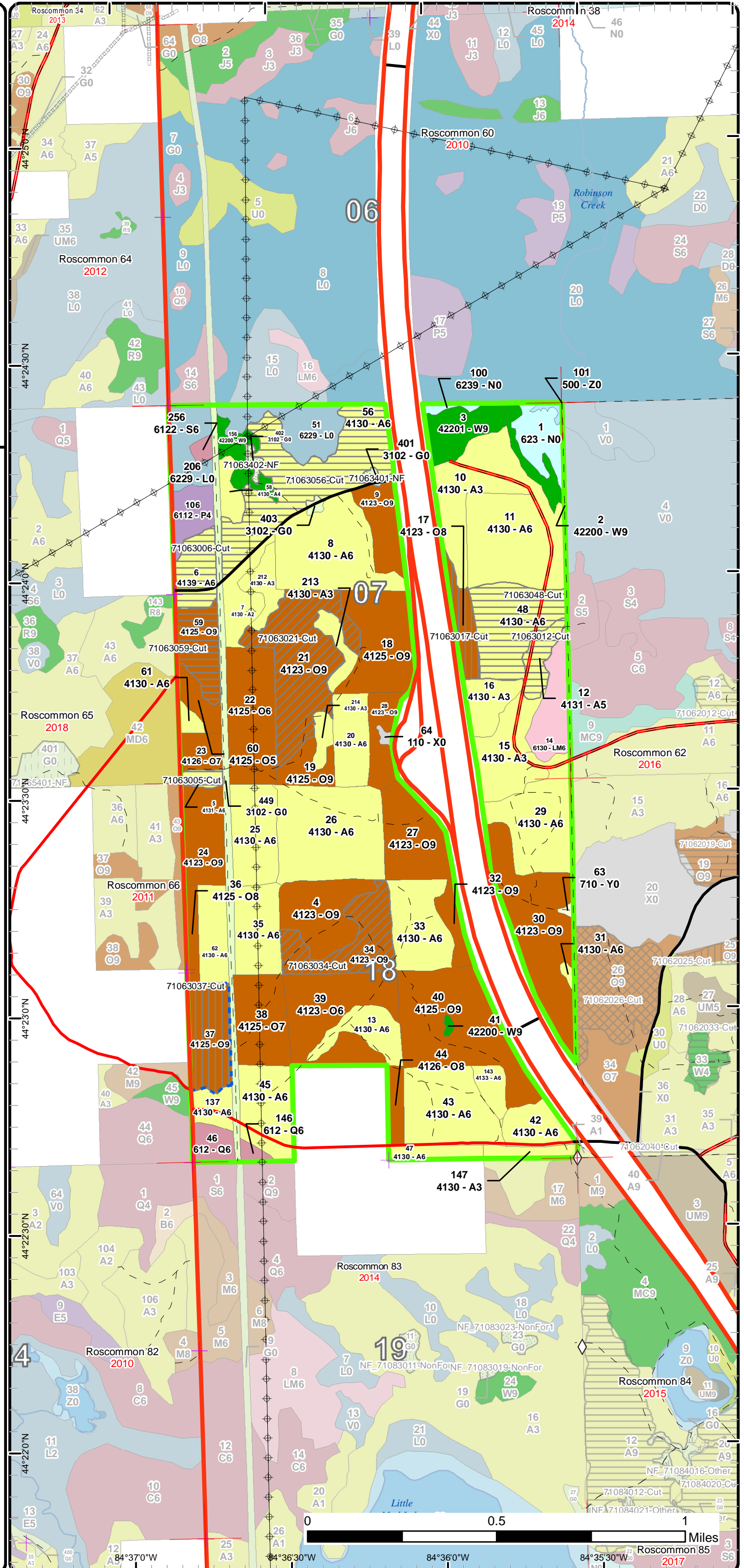
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map

Compartment: 63
 T23N,R02W, Sec.07, 18
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Upper Muskegon
 YOE: 2018
 Acres: 1126 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 2/9/2017
 Map Phase: Post-Review

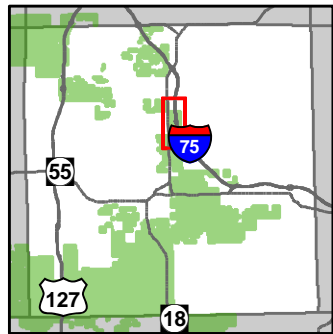


- Miris Corners
- Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Mowing
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 412 - Oak Types
- 413 - Aspen Types
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil
- Lakes

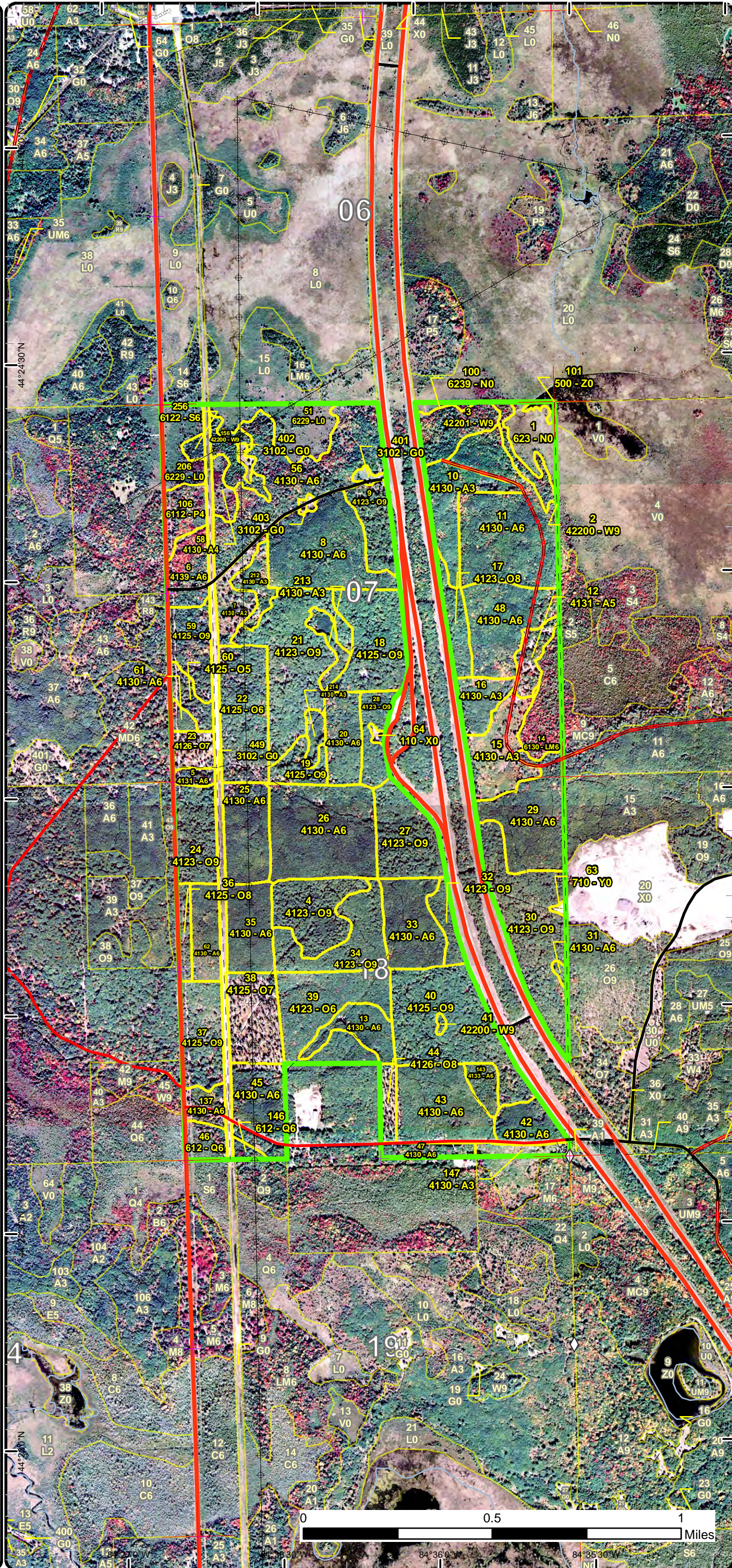


Stand Boundary Map

Compartment: 63
 T23N,R02W, Sec.07, 18
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Upper Muskegon
 YOE: 2018
 Acres: 1126 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 2/9/2017
 Map Phase: Post-Review



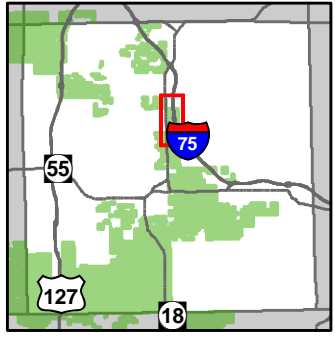
- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Stand Boundaries
- 412 - Oak Types
- 413 - Aspen Types
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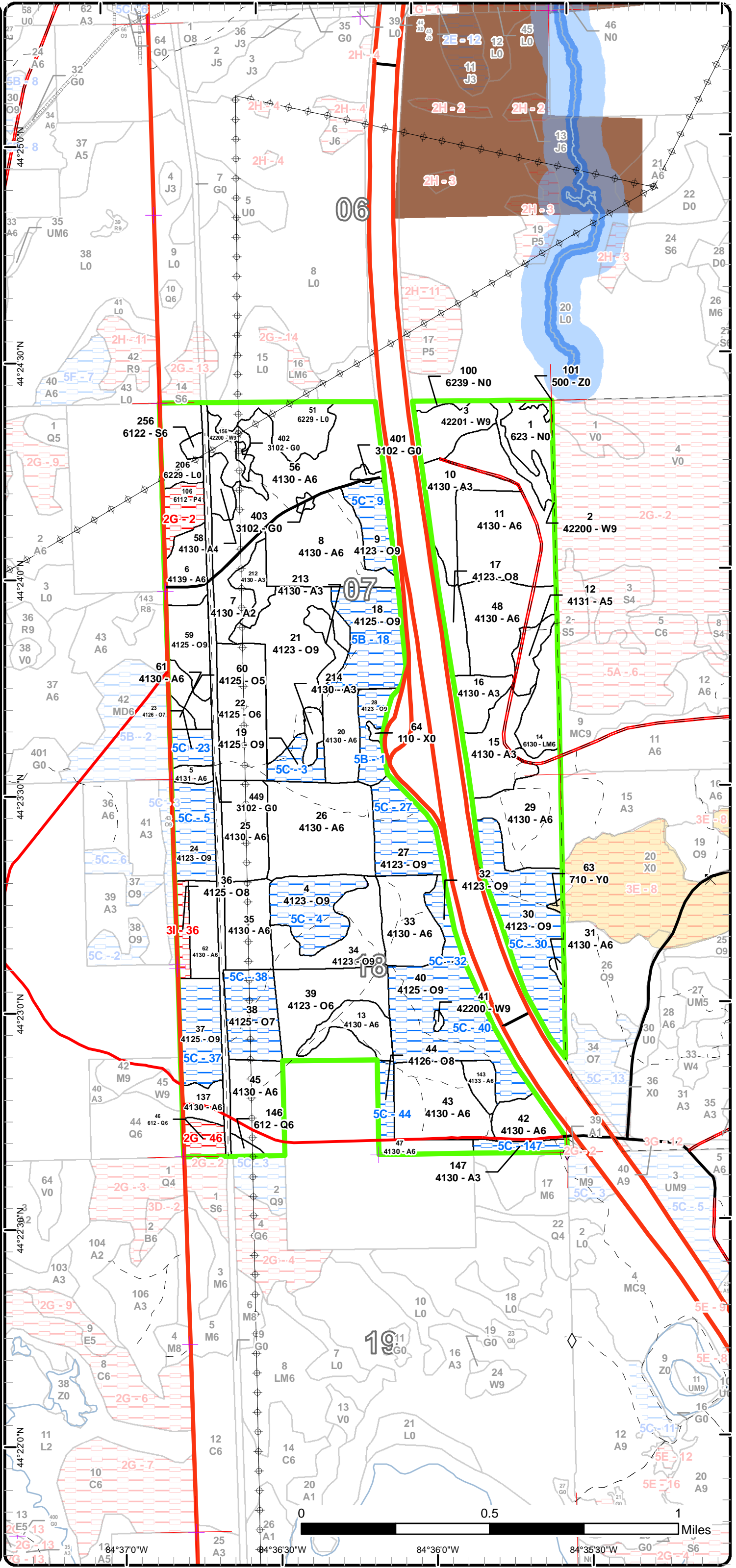
84°36'0" W 84°35'30" W

Special Conservation Areas & Site Conditions Map

Compartment: 63
 T23N,R02W, Sec.07, 18
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: Upper Muskegon
 YOE: 2018
 Acres: 1126 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 2/9/2017
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3I: Historical / archeological (add locked comments)
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Wildlife Management Areas
- Sand or Gravel Pit



Report 1 – Total Acres by Cover Type and Age Class

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment 63 Year of Entry 2018



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	32	58	32	11	254	138	3	0	13	0	0	0	0	0	0	0	0	541
Herbaceous Openland	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Lowland Aspen/Balsam Poplar	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Conifers	0	0	0	0	0	0	0	0	0	2	7	0	0	0	0	0	0	0	9
Lowland Mixed Forest	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	16
Lowland Shrub	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Lowland Spruce/Fir	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Marsh	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Oak	0	0	0	0	0	71	0	0	0	0	15	0	315	44	0	0	0	0	445
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	1	0	30
Total	76	32	58	32	11	335	140	48	0	15	22	0	315	44	0	0	1	0	1128



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2018

Acres of Harvest

Compartment 63
Total Compartment Acres: 1,126

Commercial Harvest - 194
Harvests with Site Condition - 20
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	103	0	0	0	0	0	0	0	0	103
Oak	15	0	0	0	29	67	0	0	0	111
Total	118	0	0	0	29	67	0	0	0	214

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	214	0	0	0	0	0	0	3		217
Next Step	0	0	0	0	0	147	0	3		150
Total	214	0	0	0	0	147	0	6		367



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
5	71063005-Cut	3.1	4131 - Aspen, Oak	Poletimber Well	61	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut stand with 2" spec. No aspen retention due to the size. Possibly leave a few healthy oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

6	71063006-Cut	12.9	4139 - Aspen, Mixed Deciduous	Poletimber Well	82	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with reserves. Leave large diameter, wind firm white pine. Leave an island of aspen for retention. Use the brush pile and drumming log

Specs: spec. Apply brush piles along north edge.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

12	71063012-Cut	7.8	4131 - Aspen, Oak	Poletimber Medium	51	1-50	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut stand and regenerate aspen. Aspen should expand through stand. Leave no aspen retention. Possibly leave oak healthy oak. Leave

Specs: brush piles on east side of stand as well as using the drumming log spec. Protect oak saplings.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

17	71063017-Cut	9.6	4123 - Red Oak	Sawtimber Medium	111	81-110	Harvest	Shelterwood	4121 - Oak, Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin or shelterwood stand since adjacent aspen is being harvested. Leave 50-70 BA of oak for visuals along I-75.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of oak, aspen and red maple at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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
21	71063021-Cut	43.3	4123 - Red Oak	Sawtimber Well	111	81-110	Harvest	Crown Thinning	412 - Oak Types	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Thin stand down to 70-80 basal area. Remove poor formed and suppressed oak. Favor keeping large crowned healthy trees for mast production. Protect understory during harvest operations.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

34	71063034-Cut	23.5	4123 - Red Oak	Sawtimber Well	111	111- 140	Harvest	Crown Thinning	412 - Oak Types	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand to promote growth on quality red oak sawtimber. Target 70-80 BA. Remove high risk, suppressed and poor formed oak and maple.

Specs: Protect pine understory.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

37	71063037-Cut	19.7	4125 - Black, N. Pin Oak	Sawtimber Well	111	111- 140	Harvest	Shelterwood	412 - Oak Types	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Age-Class or Site Quality**

Prescription Shelterwood stand leaving 50-70 BA of good crowned oak. Protect maple and white pine understory. Manage for maple and pine understory.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of maple, oak and pine at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

48	71063048-Cut	28.5	4130 - Aspen	Poetimber Well	56	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut stand to meet MA guidelines for aspen sustainability. Leave all the oak. Leave retention in the form of a buffer strip along marsh edge

Specs: and a few(1-2)scattered islands of aspen. Apply brush pile and drumming log spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen at fully stocked levels

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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
56	71063056-Cut	50.6	4130 - Aspen	Poletimber Well	57	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut stand. Leave pine component for cover and structure. Leave islands of aspen and pine for retention. Lower areas could cause operability during wet times of the year. Apply brush pile and drumming log spec. Focus brush piles along the north side of stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen to fully stocked levels

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

59	71063059-Cut	14.7	4125 - Black, N. Pin Oak	Sawtimber Well	99	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut stand and manage for a mix of oak, aspen and maple. Save and protect existing advanced oak regeneration. Leave retention on the south end where the oak regeneration is already high and oak overstory is sparse.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of aspen, oak and maple at fully stocked levels.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

401	71063401-NF	1.6	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, East Markey Field 14.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

402	71063402-NF	1.5	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, East Markey Field 13.

Specs:

Next Step NonForestMgt, Mowing

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

**Total Treatment
Acreage Proposed: 216.8**

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 63
Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5B	5C	2G	3I
		With Condition	Not Available					
541	536	5	0	Aspen		5		
26	26	0	0	Herbaceous Openland				
10	0	0	10	Lowland Aspen/Balsam Poplar			10	
9	2	0	7	Lowland Conifers			7	
16	16	0	0	Lowland Mixed Forest				
32	32	0	0	Lowland Shrub				
2	2	0	0	Lowland Spruce/Fir				
14	14	0	0	Marsh				
443	162	276	6	Oak	39	237		6
1	1	0	0	Sand, Soil				
1	1	0	0	Urban				
1	1	0	0	Water				
30	30	0	0	White Pine				
1,126	822	281	23	Total Forested Acres	39	242	17	6
	73%	25%	2%	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	Available	5B: Maintain for regeneration purposes	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 63
Year of Entry: 2018

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5B: Maintain for regeneration purposes	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 63
Year of Entry: 2018

27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	3I: Historical / archeological (add locked comments)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 63
Year of Entry: 2018

38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
147	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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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
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.

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 63
Year of Entry: 2018

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	42200 - Natural White Pine	Sawtimber Well	6.5	61	81-110	Small stand along marsh edge dominated by white pine and red maple. A few scattered oaks.
3	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	13.8	61	81-110	
4	4123 - Red Oak	Sawtimber Well	22.7	111	81-110	Red oak stand that was thinned in the past. 70-90BA average. Thick understory of red maple and areas of aspen.
5	4131 - Aspen, Oak	Poletimber Well	3.1	61	51-80	Small stand of quaking aspen mixed with low quality black oak. Both oak and aspen are in decline..
6	4139 - Aspen, Mixed Deciduous	Poletimber Well	12.9	82	81-110	Quaking aspen stand mixed with red maple. and some white pine. Some large diameter white pine scattered about. Heavier to red maple on the north end. North end also has high water table which could pose some equipment issues during wet times of the year.
7	4130 - Aspen	Sapling Medium	10.7	8	Immature	
8	4130 - Aspen	Poletimber Well	37.8	41	111-140	stand of nice quality stand on north facing slope. Good amounts of red oak pole timber especially on the south end at the top of the hill. Some beech.
9	4123 - Red Oak	Sawtimber Well	13.4	111	51-80	Stand was thinned last entry. 70 BA average.
10	4130 - Aspen	Sapling Well	18.4	18	Immature	
11	4130 - Aspen	Poletimber Well	51.1	56	81-110	Second growth mixed aspen stand of good quality. Scattered red oak and red maple from stump sprouts.
12	4131 - Aspen, Oak	Poletimber Medium	7.8	51	1-50	Low density stand. Patches of poor quality quaking aspen with open areas with scattered cherry. Some scattered oak.
13	4130 - Aspen	Poletimber Well	12.3	43	81-110	
14	6130 - Fir, Aspen, Maple	Poletimber Well	15.7	61	81-110	
15	4130 - Aspen	Sapling Well	20.9	8	Immature	
16	4130 - Aspen	Sapling Well	10.3	18	Immature	
17	4123 - Red Oak	Sawtimber Medium	9.6	111	81-110	Thin strip of oak along I-75. Stand had the aspen and maple removed in 1960.

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Roscommon Mgt. Unit

Report 7 – Forested Stands

Compartment: 63
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	4125 - Black, N. Pin Oak	Sawtimber Well	28.5	111	81-110	Good quality red/black oak stand that was thinned in 1988. Heavy red maple understory. Good stand for acorn production. Deer feeding on acorns during winter. 6 plots taken, 50 -110 BA 76 average BA.
19	4125 - Black, N. Pin Oak	Sawtimber Well	8.0	111	51-80	Oak stand that was heavily thinned two entries ago. Understory is thick red maple and bigtooth aspen.
20	4130 - Aspen	Poletimber Well	14.7	43	51-80	Aspen stand with good amounts of oak poles. Some scattered sawtimber size oak.
21	4123 - Red Oak	Sawtimber Well	43.3	111	81-110	Good quality stand of black/red oak. Stand was thinned two entries ago. Deer are currently using stand in winter for acorns. Understory is not very thick. North end has some steep ravines.
22	4125 - Black, N. Pin Oak	Poletimber Well	29.4	43	51-80	Nice stand of mixed oak poletimber. Some are approaching small log size.
23	4126 - White, Black, N. Pin Oak	Sawtimber Poor	7.0	111	81-110	
24	4123 - Red Oak	Sawtimber Well	18.6	111	81-110	Oak stand that was thinned in 1988. Some aspen poles on the north end. A few scattered beech saplings. 80 BA average.
25	4130 - Aspen	Poletimber Well	20.6	29	51-80	
26	4130 - Aspen	Poletimber Well	44.8	43	81-110	Nice young aspen pole timber stand. 6-8"avg DBH. Some nice red oak pole timber mixed in on the south end. Some black oak on the north end where site is lower.
27	4123 - Red Oak	Sawtimber Well	23.4	111	81-110	Oak stand that was heavily thinned in in88. Understory is 20+' tall. All aspen and red maple were removed. 80 BA avg.
28	4123 - Red Oak	Sawtimber Well	10.7	111	141-170	Nice stand of good quality black oak sawtimber. approximately half of the stand is behind the MDOT fence for the rest area.
29	4130 - Aspen	Poletimber Well	30.8	43	51-80	
30	4123 - Red Oak	Sawtimber Well	43.5	121	81-110	Red oak stand that was thinned in 2008. Stand has lower quality to the south.
31	4130 - Aspen	Poletimber Well	1.1	43	1-50	
32	4123 - Red Oak	Sawtimber Well	6.7	111	81-110	Oak stand that was thinned approximately 30 years ago. Aspen and red maple poletimber are reaching the canopy. Hold for I-75 visuals.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
33	4130 - Aspen	Poletimber Well	22.2	43	81-110	Nice quality bigtooth aspen mixed with a little red maple and oak. Some small diameter sawtimber developing. High density poletimber stand.
34	4123 - Red Oak	Sawtimber Well	23.5	111	111-140	Nice quality red oak stand. Stand averages 100-120.
35	4130 - Aspen	Poletimber Well	18.6	43	81-110	Nice quality second growth Bigtooth aspen stand. 6-8" dbh. Some small logs forming.
36	4125 - Black, N. Pin Oak	Sawtimber Medium	5.8	111	51-80	Old concrete /rock foundation found within stand. Approximately 10'x14'. Small narrow stand of oak that power line splits.
37	4125 - Black, N. Pin Oak	Sawtimber Well	19.7	111	111-140	Stand of 110+ year old good quality black oak. Stand had maple and aspen removed in the past. Heavy red maple in the understory. Some white pine saplings found within the southern 2/3 of the the stand. BA ranges from 80-130.
38	4125 - Black, N. Pin Oak	Sawtimber Poor	20.9	111	1-50	Stand was seed tree cut last entry. 10-30 BA average of sawtimber oak. low stocking of oak and maple. Deer have impacted oak regen.
39	4123 - Red Oak	Poletimber Well	34.4	43	81-110	Nice stand of red oak poletimber.
40	4125 - Black, N. Pin Oak	Sawtimber Well	47.2	111	81-110	Good quality black oak stand. Stand was thinned in the past. Stand is healthy and has a thick advanced understory of maple and white pine.
41	42200 - Natural White Pine	Sawtimber Well	0.7	161	141-170	
42	4130 - Aspen	Poletimber Well	11.4	28	Immature	Just entering poletimber class.
43	4130 - Aspen	Poletimber Well	30.0	43	51-80	
44	4126 - White, Black, N. Pin Oak	Sawtimber Medium	5.6	111	1-50	Stand was shelterwood cut last entry.
45	4130 - Aspen	Poletimber Well	21.0	43	81-110	Nice stand of primarily Bigtooth . Some scattered oak. Center of the stand has high SI creating some sawtimber aspen. North end has some pole timber size oak in higher densities.
46	612 - Lowland Coniferous Forest	Poletimber Well	6.9	92	51-80	OPIC - FMD: Balsam fir / black spruce. Some cedar and red maple. Regen mostly balsam fir.
47	4130 - Aspen	Poletimber Well	6.1	31	51-80	OPIC - FMD: Small acerage. Thin, narrow, highly visibile sensitive area along private property.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
48	4130 - Aspen	Poletimber Well	28.5	56	81-110	Second growth mixed aspen stand of good quality. Scattered red oak and red maple from stump sprouts.
56	4130 - Aspen	Poletimber Well	50.6	57	51-80	Low quality quaking aspen stand on high water table. Hummocky ground. Aspen is in poor shape and experiencing decline.
58	4130 - Aspen	Poletimber Poor	5.3	36	1-50	OPIC - FMD: OI Stand Year Origin was 1981
59	4125 - Black, N. Pin Oak	Sawtimber Well	14.7	99	81-110	Stand of low quality, low density oak and aspen. Two ages of oak. One of large 18"+ diameter and another in the 6-8" class.
60	4125 - Black, N. Pin Oak	Poletimber Medium	6.6	43	1-50	
61	4130 - Aspen	Poletimber Well	2.6	43	81-110	
62	4130 - Aspen	Poletimber Well	12.6	43	81-110	Bigtooth aspen stand mixed with good amounts of red oak stump sprouts. Hold for 10 more years to obtain more volume.
106	6112 - Lowland Aspen	Poletimber Poor	9.9	49	1-50	
137	4130 - Aspen	Poletimber Well	6.8	18	51-80	Just entering pole timber class.
143	4133 - Aspen, Mixed Pine	Poletimber Well	5.6	43	51-80	OPIC - FMD: Heavy W3 understory.
146	612 - Lowland Coniferous Forest	Poletimber Well	2.1	82	51-80	OPIC - FMD: Balsam fir / black spruce. Some cedar and red maple. Regen mostly balsam fir.
147	4130 - Aspen	Sapling Well	5.3	11	Immature	
156	42200 - Natural White Pine	Sawtimber Well	8.7	61	111-140	Small sawtimber white pine stand.
212	4130 - Aspen	Sapling Well	7.6	18	Immature	
213	4130 - Aspen	Sapling Well	5.8	18	Immature	Created in 1999 from aspen pockets in stand 21
214	4130 - Aspen	Sapling Well	4.0	18	Immature	Created in 1999 from aspen pockets in stand 21
256	6122 - Black Spruce	Poletimber Well	2.0	56	81-110	



Stand	Cover Type	Acres	Managed Site	General Comments:
1	623 - Emergent Wetland	12.1	No	
51	6229 - Mixed lowland shrub	18.7	No	OPIC - FMD: OI Stand Year Origin was
63	710 - Sand, Soil	0.7	No	OPIC - FMD: TIP OF 9-MILE HILL GRAVEL PIT.
64	110 - Low Intensity Urban	0.9	No	OPIC - FMD: Radio tower
100	6239 - Mixed Emergent Wetland	1.6	No	OPIC - FMD: OI Stand Year Origin was
101	500 - Water	1.2	No	OPIC - FMD: OI Stand Year Origin was
206	6229 - Mixed lowland shrub	13.5	No	OPIC - FMD: OI Stand Year Origin was
401	3102 - Grass	1.6	Yes	OPIC - FMD: WILDLIFE MANAGED OPENING.
402	3102 - Grass	1.5	Yes	OPIC - FMD: WILDLIFE MANAGED OPENING.
403	3102 - Grass	1.1	No	OPIC - FMD: OI Stand Year Origin was
449	3102 - Grass	22.3	No	OPIC - FMD: POWERLINE