



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 125

Entry Year 2016

Acreage: 1,122

County Roscommon

Management Area: Upper Muskegon

Revision Date: 04/25/2014

Stand Examiner: Dale Ekdom

Legal Description:

T22N R1W Sections 19 and 30

Identified Planning Goals:

Maintain current age and species diversity in a range of early and late successional ecosystems as determined by the Upper Muskegon Management Area plan.

Soil and topography:

Terrain is flat to slightly rolling with a few steeper areas. Soils are mostly Grayling and Rubicon sands in the south 2/3rds and Ottawa loamy sands in the north 1/3rd of the compartment.

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

Compartment is a solid block of state ownership with state land to the east. Private land to the north is mostly farmland with a few permanent and seasonal residences on acreages. Private land to the west and south is being developed as both seasonal and permanent residences on both larger parcels and smaller lots. Maple Valley Cemetery and the south station for Richfield Township VFD is in the NWNW of Section 30.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

The northern-most part of the compartment is low and wet with some broad drainages.

Wildlife Habitat Considerations:

Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, turkeys, as well as other non-game species.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw is quarried for brick making clay elsewhere in the State. Most of the good gravel pits are associated with upland areas. The nearest gravel pit is located in Section 32 and potential appears to be good on the upland areas. The abandoned Denton Creek Field is located three miles to the west. The field produced nearly 60,000 BO from three Devonian formations. The compartment is currently leased for oil and gas development.

Vehicle Access:

Vehicle access to most of the compartment, both interior and exterior is good via county roads, forest two-tracks, and the recreational trail/routes.

Survey Needs:

None necessary at this time.

Recreational Facilities and Opportunities:

This compartment contains portions of the St. Helen snowmobile and ORV route and the St. Helen ORV trail which are heavily used in the riding seasons. Hunting of deer, turkeys, small game, and upland birds is also heavy in this

compartment.

Assure signs are placed on the trail warning users of logging activity. Where feasible, focus any retention pockets or clusters along or near trail. All sign posts shall be protected. Limit stacking of timber along the trail. Ensure logging activity does not obliterate the 50" ATV trail. Protect and maintain non-merchantable understory adjacent to trail to promote narrow use. All stumps within 20 feet of the trails shall be Flush-Cut or cut as low to the ground as possible to ensure stumps do not result in unsafe conditions. For confidence markers attached to trees cut high to retain presence of signs. No stacking of timber along the snowmobile trail. The snowmobile trail is likely to be used for hauling. Maintain road / trail bed to a condition equal to or better than before the sale prior to December 1. If harvest activities occur during the snowmobile season of December 1 thru March 31 a snow bed must be preserved. Placement of material on the trail due to icy conditions will need to be approved by the department

Fire Protection:

Fire protection concerns in this compartment are moderate because of the heavy conifer component in the south end of this compartment. However, the volatile fuels problem is somewhat negated by the presence of numerous roads and hardwood cover types which provide good access and man-made and natural fuel-breaks. There is an wildland-urban interface concern in section 19.

Additional Compartment Information:

Proposed treatments include 50 acres of jack pine scheduled to be final harvested and regenerated to jack pine and 53 acres of oak scheduled for thinning or shelterwood prep cuts. In addition, 89 acres of red pine is scheduled to be thinned and 42 acres are scheduled for barrens creation and/or maintenance.

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

Legend

- Miris Corners
- + Remonumented Section Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Stream
- Intermittent Stream
- ORV Trails
- ORV Routes
- Snowmobile Trails
- ORV Trail
- ORV Route
- Snowmobile Trail
- Regen Legend
- Natural
- Planted

Treatments

- ▨ Prescribed Burn
- ▨ Shelter Wood (w/Reserves)
- ▨ Thinning (Crown, Low, Systematic)
- ▨ Other Harvest - See Comments
- ▨ Clearcut (w/Reserves, Patch/Strip)
- ▨ Treatments w/ Site Condition

Forest Stands

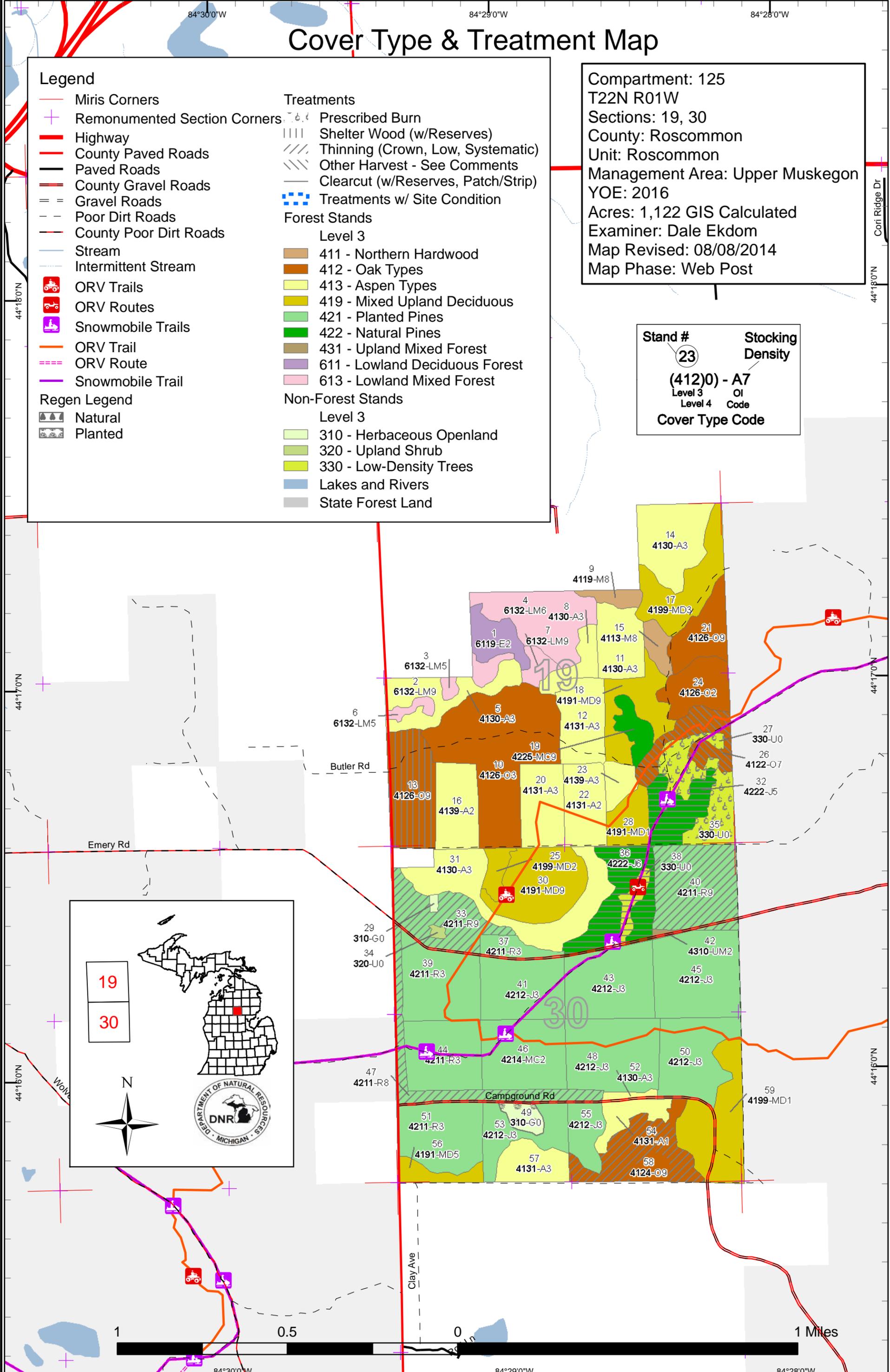
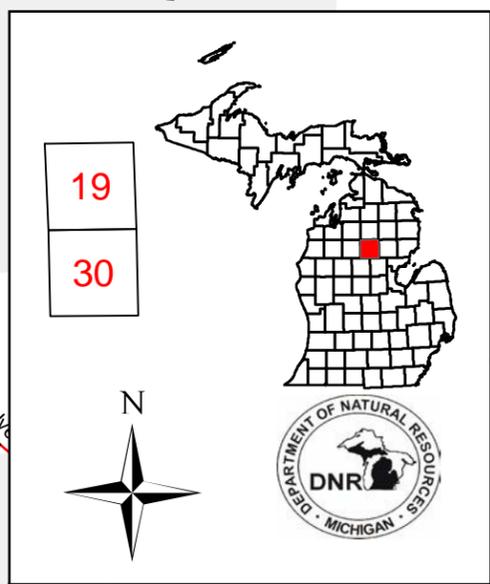
- Level 3
- 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 613 - Lowland Mixed Forest

Non-Forest Stands

- Level 3
- 310 - Herbaceous Openland
 - 320 - Upland Shrub
 - 330 - Low-Density Trees
 - Lakes and Rivers
 - State Forest Land

Compartment: 125
 T22N R01W
 Sections: 19, 30
 County: Roscommon
 Unit: Roscommon
 Management Area: Upper Muskegon
 YOE: 2016
 Acres: 1,122 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 08/08/2014
 Map Phase: Web Post

Stand #
 23
 (4120) - A7
 Level 3
 Level 4
 Stocking Density
 OI
 Code
 Cover Type Code

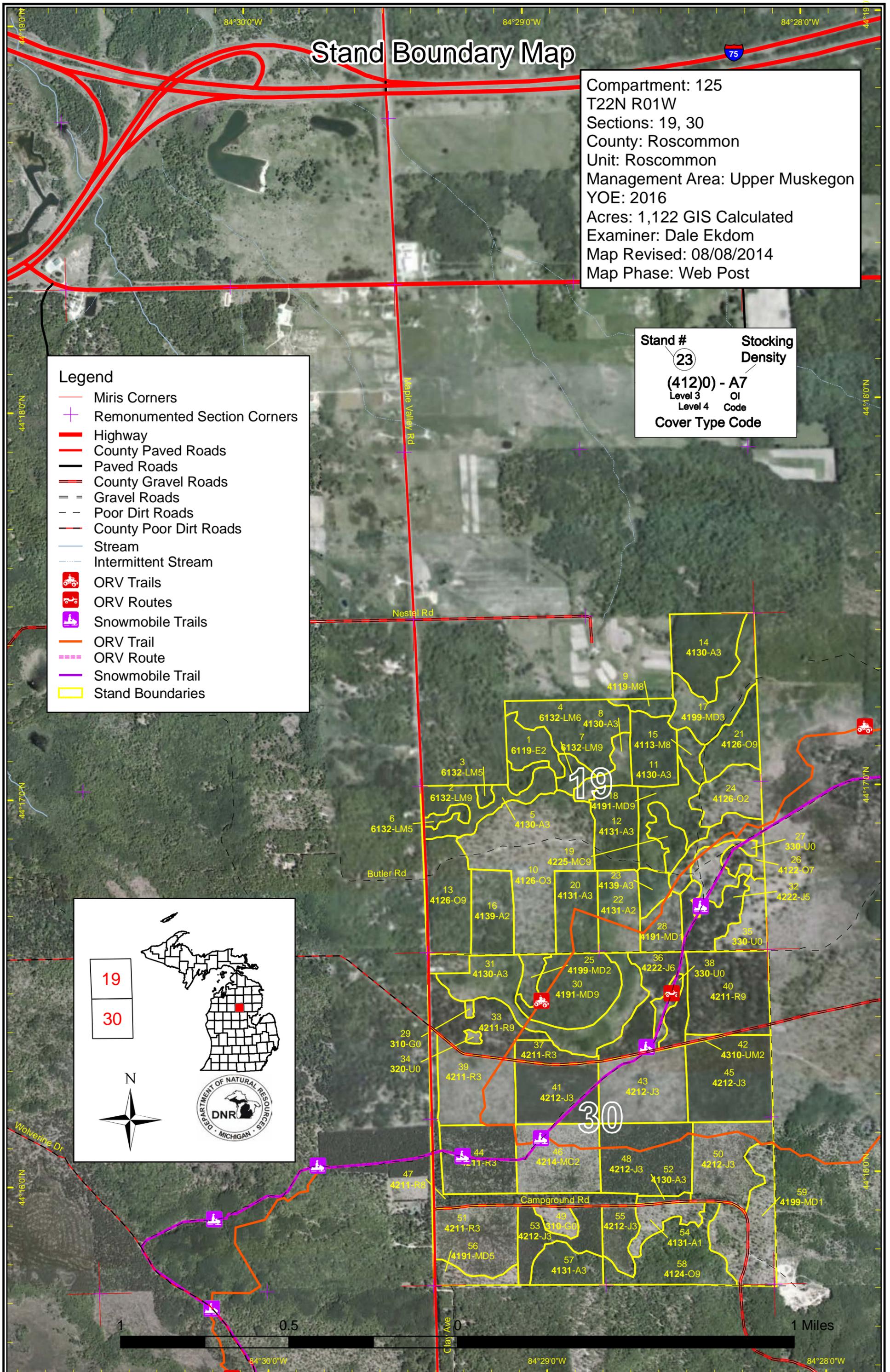
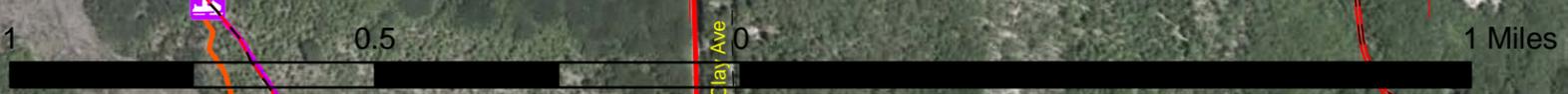
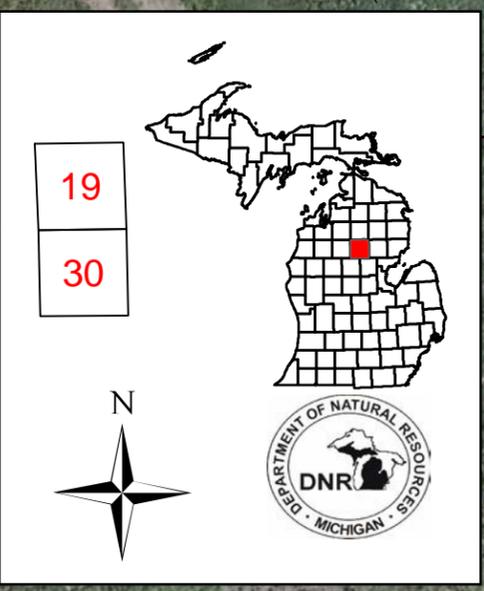


Stand Boundary Map

Compartment: 125
 T22N R01W
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 Map Revised: 08/08/2014
 Map Phase: Web Post

Stand # **23**
(412)0 - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code

- Legend**
- Miris Corners
 - + Remonumented Section Corners
 - Highway
 - County Paved Roads
 - Paved Roads
 - County Gravel Roads
 - Gravel Roads
 - Poor Dirt Roads
 - County Poor Dirt Roads
 - Stream
 - Intermittent Stream
 - ORV Trails
 - ORV Routes
 - Snowmobile Trails
 - ORV Trail
 - ORV Route
 - Snowmobile Trail
 - Stand Boundaries



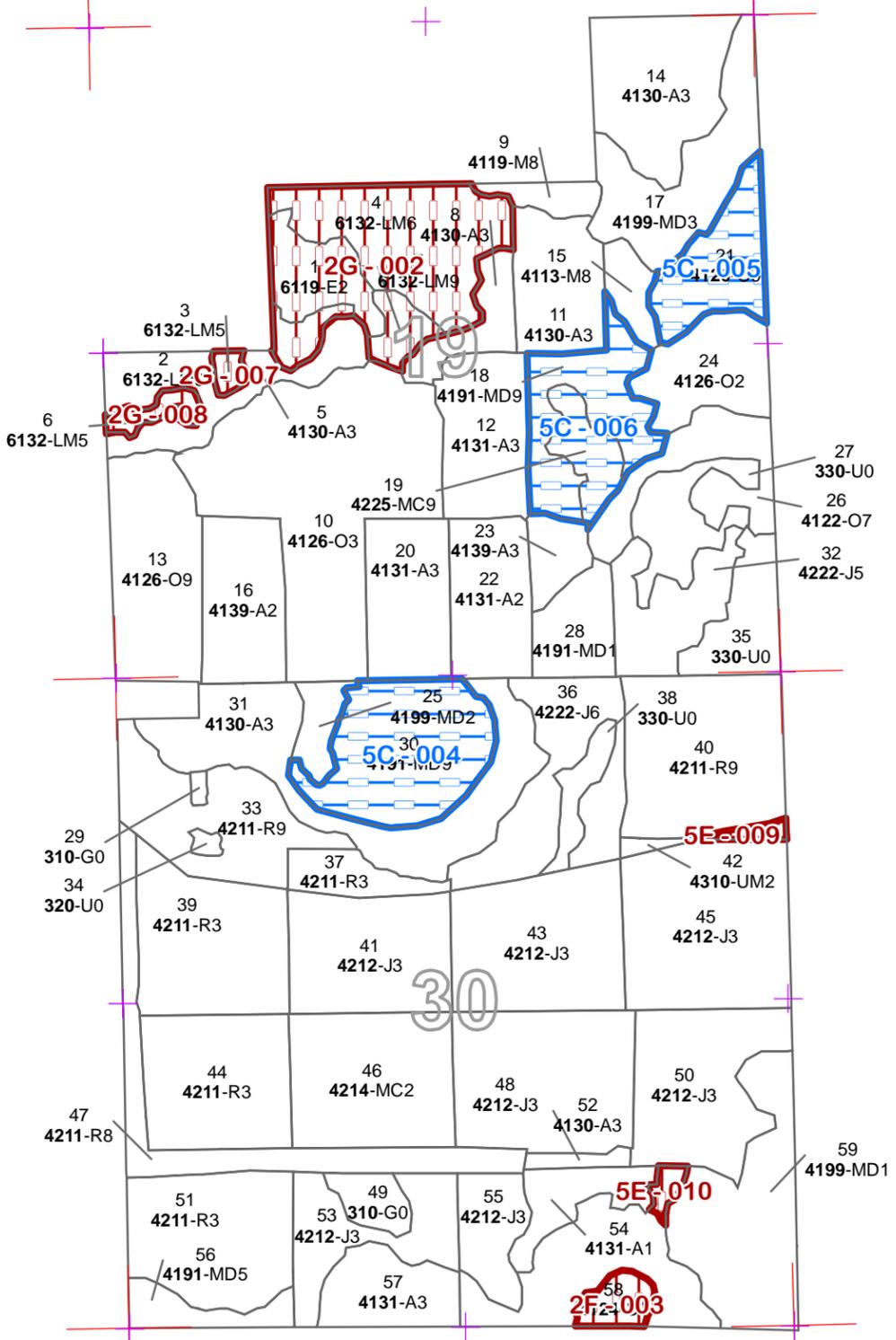
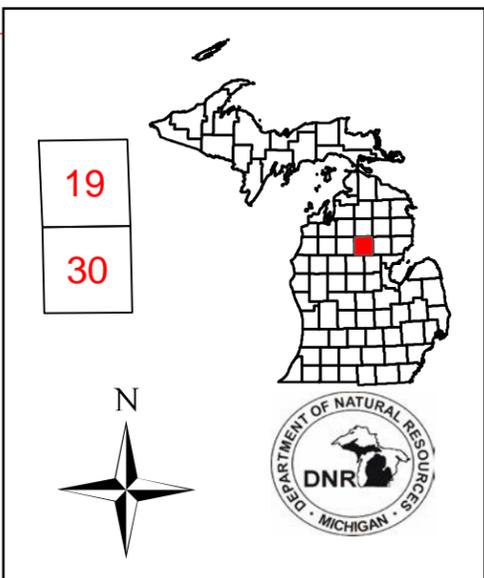
Special Conservation Areas & Site Conditions Map

Compartment: 125
 T22N R01W
 Sections: 19, 30
 County: Roscommon
 Unit: Roscommon
 Management Area: Upper Muskegon
 YOE: 2016
 Acres: 1,122 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 08/08/2014
 Map Phase: Web Post

Legend

- Miris Corners
- + Remonumented Section Corners
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Stand Boundaries

Stand #
 23
Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



84°30'0"W 84°29'0"W 84°28'0"W

44°18'0"N

44°17'0"N

44°16'0"N

44°18'0"N

44°17'0"N

44°16'0"N

Report 1 – Total Acres by Cover Type and Age Class



	Age Class														Total
	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 +	Uneven Age	
Aspen	10	67	151	0	0	0	0	0	0	0	0	0	0	0	227
Herbaceous Openland	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Jack Pine	0	76	124	0	0	44	0	0	0	0	0	0	0	0	244
Low-Density Trees	31	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Lowland Deciduous	0	12	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Mixed Forest	0	0	0	0	0	0	5	0	40	0	0	0	0	0	45
Mixed Upland Deciduous	39	25	11	0	7	0	0	0	32	20	0	0	0	0	135
Natural Mixed Pines	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Northern Hardwood	0	0	0	0	0	0	0	5	6	0	0	0	0	0	10
Oak	85	0	0	0	0	0	0	0	61	34	0	0	0	0	180
Planted Mixed Pines	0	33	0	0	0	0	0	0	0	0	0	0	0	0	33
Red Pine	0	62	37	0	0	0	39	50	0	0	0	0	0	0	188
Upland Mixed Forest	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Upland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	173	274	325	0	7	44	39	55	97	108	0	0	0	0	1122



Report 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit
Year of Entry 2016

Compartment 125
Total Compartment Acres: 1,122

Acres by Treatment Type

Commercial Harvest - 209 Tree Planting - 49 Other - 24
 Habitat Cut - 0 Opening Maintenance - 0

Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Low-Density Trees		5	0	0	0	0	0	5
Natural Pines		43	0	0	0	0	0	43
Oak Types		0	0	0	29	25	18	72
Planted Pines		0	0	0	0	89	0	89
Total		49	0	0	29	113	18	209



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
13	71125013-Cut	29.3	4126 - White, Black, N. Pin Oak	High Density Log	85	81-110	Harvest	Shelter Wood with Reserves	4122 - Oak, Pine	Cmpt. Review Proposal
<u>Prescription</u> treatment is a light shelterwood (prep cut) to encourage more oak regeneration prior to a heavier shelterwood, cut all red maple and aspen and mark oak to a target basal area of 70 SF/acre, favor well crowned red and white oak over lesser quality black oak, leave R/W pine for diversity and for visual on F-97 unless they need to be removed for manuverablility within the stand										
<u>Specs:</u>										
<u>Other</u> buffer swamp to the north for retention										
<u>Comments:</u>										
<u>Next</u> regeneration survey to determine success of treatment										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
26	71125026-Cut	17.6	4122 - Oak, Pine	Low Density Log	93	1-50	Harvest	Other - Specify in Comments	330 - Low Density Trees	Cmpt. Review Proposal
<u>Prescription</u> remove all jack pine from the stand prior to burning, leave all oak and mark up to 10 SF of the larger red/white/jack pine to leave, treat with adjacent stands										
<u>Specs:</u>										
<u>Other</u> no retention other than the residual oak and any pine marked to leave										
<u>Comments:</u>										
<u>Next</u> periodic burns to maintain stand and surrounding stands in a semi-open condition - oak/pine barrens/savannah										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
32	71125032-Cut	16.7	42220 - Natural Jack Pine	Medium Density Pole	53		Harvest	Clearcut with Reserves	4212 - Planted Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> final harvest and regenerate to jack pine,										
<u>Specs:</u>										
<u>Other</u> leave up to 2 oak/ acre for mast/diversity, mark out up to 2 or 3 half acre or smaller islands along snowmobile trail for retention, square off stand										
<u>Comments:</u> boundaries with barrens stands to the north and east to make prescribed burning these barrens stands safer and more efficient										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										
33	71125033-Cut	26.8	42110 - Planted Red Pine	High Density Log	77	141-170	Harvest	Low Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> thin to 110 SF/acre to improve the quality of the stand										
<u>Specs:</u>										
<u>Other</u> leave north part with steepest slopes for retention										
<u>Comments:</u>										
<u>Next</u>										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2015										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
36	71125036-Cut	26.8	42220 - Natural Jack Pine	High Density Pole	53		Harvest	Clearcut with Reserves	4212 - Planted Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> cut and regenerate to jack pine <u>Specs:</u> <u>Other</u> leave up to 2 oak/acre for mast/diversity and mark smaller red pine to leave on the south end along Emery Road for visual, mark out a 2 or s half <u>Comments:</u> acre or smaller islands along snowmobile trail for retention and visual, leave brushy area/red and white pine area in north-west for retention also <u>Next</u> trench and plant jack pine <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
40	71125040-Cut	38.7	42110 - Planted Red Pine	High Density Log	69	141-170	Harvest	Low Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> thin from below to 110 SF to improve the quality of the stand, <u>Specs:</u> <u>Other</u> leave part of stand south of Emery Road for retention <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
47	71125047-Cut	23.1	42110 - Planted Red Pine	Medium Density Log	76	141-170	Harvest	Low Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> thin parts of the stand that meet silvicultural criteria to 120 SF/acre to improve the quality of the stand <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
58	71125058-Cut	24.8	4124 - Red with White Oak	High Density Log	85	111-140	Harvest	Crown Thinning	4124 - Red with White Oak	Cmpt. Review Proposal
<u>Prescription</u> thin this stand by cutting all red maple and aspen and marking oak to to cut leaving 70 SF/acre of the best quality and best crowned oak, favor red oak over white oak and white oak over black oak, thin red/white pine with the oak where pine needs to be thinned for equipment access <u>Specs:</u> <u>Other</u> leave north arm along Campground Road for retention, leave out steepest portion of stand on the south <u>Comments:</u> <u>Next</u> <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										
38	NF_71125038-Cut	5.5	3302 - Low Density Conifer Trees				Harvest	Clearcut	4212 - Planted Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> harvest merchantable trees in this stand with surrounding stand and regenerate to jack pine <u>Specs:</u> <u>Other</u> leave up to 2 oak/acre for visual, diversity, and wildlife mast, <u>Comments:</u> <u>Next</u> trench and plant jack pine <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2015										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status	
	71125_OutOfY OE-Burn	10.5					Prescribed Burn	Unspecified	31022 - Warm Season Grass	Fld. Tr. Bdy. - Incomplete	
	<u>Prescription</u> Burn to maintain, promote and expand oak barrens ecosystem.										
	<u>Specs:</u>										
	<u>Other</u> Burn with stand 17 compartment 126										
	<u>Comments:</u>										
	<u>Next</u>										
	<u>Steps:</u>										
	<u>Proposed</u>										
	<u>Start Date:</u> Unspecified										
27	NF_71125027- Burn	13.1	3303 - Mixed Low Density Trees				Prescribed Burn	Unspecified	330 - Low Density Trees	Cmpt. Review Proposal	
	<u>Prescription</u> burn to create pine/oak barrens										
	<u>Specs:</u>										
	<u>Other</u> square off stand boundaries with foresed stand to the south to make prescribed burning this barrens stand safer and more effcent										
	<u>Comments:</u>										
	<u>Next</u> periodic burns to maintain pine/oak barrens										
	<u>Steps:</u>										
	<u>Proposed</u>										
	<u>Start Date:</u> Unspecified										
Total Treatment Acreage Proposed:		232.8									

S
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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
	#Type!	#Type!							

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

**Total Treatment
Acreage Proposed: 0.0**

Report 5 – Site Conditions

Roscommon Mgt. Unit

Compartment 125

Dale Ekdorn : Examiner

Year of Entry 2016

Availability for Management

Availability for Management			Dominant Site Conditions					
Total Acres	Acres Available	Acres Not Available		No	5E	5C	2G	2F
227	227		Aspen	227				
244	244		Jack Pine	244				
12		12	Lowland Deciduous				12	
45		45	Lowland Mixed Forest				45	
135	135		Mixed Upland Deciduous	83		52		
8	8		Natural Mixed Pines			8		
10	10		Northern Hardwood	10				
180	173	7	Oak	157	2	17		5
33	33		Planted Mixed Pines	33				
188	186	1	Red Pine	186	1			
1	1		Upland Mixed Forest	1				
1,082	1,018	65	Total Forested Acres	941	3	77	56	5
	94%	6%	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
002	Not Available	2G: Too wet (sensitive soils, does not include access issues)	52	2B: Unknown if access through adjacent landowner(s) is possible	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)		
Comments:							
003	Not Available	2F: Too steep	5				
Comments:							
004	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32				
Comments:							

Report 5 – Site Conditions

Roscommon Mgt. Unit

Compartment 125

Dale Ekdorn : Examiner

Year of Entry 2016

005	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17
Comments:			
006	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28
Comments:			
007	Not Available	2G: Too wet (sensitive soils, does not include access issues)	2
Comments:			
008	Not Available	2G: Too wet (sensitive soils, does not include access issues)	3
Comments:			
009	Not Available	5E: Long Term Retention	2
Comments:			
010	Not Available	5E: Long Term Retention	2
Comments:			



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
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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
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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6119 - Mixed Lowland Deciduous Forest	Medium Density	11.7	16		previous inventory stated stand regenerated from a blowdown in 1997, nice mix of red maple and trembling aspen with some pole size red maple and cedar, some cedar starting in understory
2	6132 - Mixed Lowland Forest with Cedar	High Density Log	3.9	98		wet stand with standing and flowing water, some blowdown occurring, fairly open understory except for scattered balsam fir saplings, lots of wildlife sign in stand - deer, bobcat, rabbit
3	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	1.8	73		wet pothole with red maple and swamp conifers
4	6132 - Mixed Lowland Forest with Cedar	High Density Pole	30.9	95		mx of species, mix of upland/lowland, mix of forested/non-forested, upland has aspen/red maple, white pine, and some oak, lowland has cedar, balsam fir, red maple, and some hemlock or is lowland aspen or "L", stand is a series of upland ridges separated by lowland swamp or "L" types, lots of wildlife sign especial deer, more upland knobs have some beech seedlings/saplings in the understory, good stand to leave for wildlife
5	4130 - Aspen	High Density Sapling	20.7	25		cut 1988, upland aspen but has some wet spots esp. the along the north edge, scattered conifer saplings in the understory
6	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	3.1	73		wet pothole with red maple and swamp conifers
7	6132 - Mixed Lowland Forest with Cedar	High Density Log	5.0	98		wet stand with standing and flowing water, some blowdown occurring, fairly open understory except for scattered balsam fir saplings, lots of wildlife sign in stand - deer, bobcat, rabbit
8	4130 - Aspen	High Density Sapling	8.9	17		upland/lowland mix, regenerated in 1996, upland parts are solid A3, lower areas are more sparse with pin cherry and WP
9	4119 - Mixed Northern Hardwoods	Medium Density Log	4.7	85	81-110	NHW stand select cut in 2007, mostly NHW specise but there are 1 or 2 R/W pine XL's and 1 or 2 hemlock poles, white ash is a small component of the stand but is still doing well, lots and lots and lots of deer browse
10	4126 - White, Black, N. Pin Oak	High Density Sapling	67.9	5	1-50	Shelterwood/Seed Tree cut in 2008 leaving green painted black oak, all R/W pine poles, and all white oak SL's, stand is now 2 aged going towards all aged with oak SL's, pine poles, and hardwood saplings forming 3 age classes excellent oak regeneration of both stumps sprouts and seed source reproduction, R/W pine poles are approx. 25-35 years of age and the oak SL's are 84 years of age
11	4130 - Aspen	High Density Sapling	18.2	26		stand is a mix of BTA and red maple sapling/poles and white pine poles, red maple is mostly stump sprout origin and is concentrated in the wetter/lower portions of the stand, white pine is also mostly in the wetter portions of the stand, aspen approaching pole size in the drier portions of the stand and parts of the stand are already pole-size
12	4131 - Aspen, Oak	High Density Sapling	21.3	26		A3 converting to A6, stand is upland but slopes down from north to south



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
13	4126 - White, Black, N. Pin Oak	High Density Log	29.3	85	81-110	decent quality black oak with white oak and scattered BTA, R/W pine, and red maple, spots are heavy to RP saps/poles, oak is mostly small SL size and other hardwoods are P-L size, some firewood cutting occurring with some new trails appearing as a result
14	4130 - Aspen	High Density Sapling	27.4	25		A3 regenerated in 1988, rolling terrain with a few wetter spots, aspen is growing well and is almost pole size, mostly red maple saplings but some oak and beech saplings in the understory also
15	4113 - R.Maple, Conifer	Medium Density Log	5.8	95	51-80	M9 last YOE and select cut in 2007, now fairly open with oak/aspens/maple understory, 2 aged
16	4139 - Aspen, Mixed Deciduous	Medium Density	20.1	26		BT Aspen with red maple and black oak, south end has good A3 going to A6, north end is more open with red maple and oak saplings
17	4199 - Other Mixed Upland Deciduous	High Density Sapling	25.0	17		decent A3 regeneration, fairly equal amounts of aspen, red maple, and oak, stand slopes down from north to the south with the north end being lower/wetter than the rest of the stand,
18	4191 - Mixed Upland Deciduous with Conifer	High Density Log	20.3	91	111-140	mix of good quality red oak, white oak, and black oak with red maple poles and scattered WP poles, understory ranges from W2 to M2, south and west portion has red maple understory - also most aspen is here, north east portion is more open with scattered W2 and WP poles
19	42250 - Pine, Oak	High Density Log	8.1	93	171-200	nic WP log stand, 2 aged going towards all aged, all species doing well except aspen which is a minor component of the stand, white pine understory almost pole-size so could hold 10 years until understory is merchantable
20	4131 - Aspen, Oak	High Density Sapling	20.0	26		overall this stand is A3 but the south end is more open and sparse with more oak and red maple saplings and poles,
21	4126 - White, Black, N. Pin Oak	High Density Log	16.7	93	141-170	oak ridge sloping to the north-south-west, 2 aged oak stand, mostly decent quality black and white oak with a few red oak mixed in, edges are somewhat steeper slopes and have heavy white pine poles as a component amidst oak SL's (especially the south end of the stand), rest of the stand is oak SL's with scattered white pine poles, red maple poles thru-out stand, scattered solitary aspen and groups of aspen thru-out stand also, red maple and white pine poles fairly small yet, oak seedlings/saplings starting in spots and heavy in some areas, all species healthy and growing well including the BTA, grade of oak is variable
22	4131 - Aspen, Oak	Medium Density	19.2	16		A3 on west and north, east edge is more open and sparse with more oak, red maple, and some scattered jack pine saplings
23	4139 - Aspen, Mixed Deciduous	High Density Sapling	6.6	26		decent A3 regeneration with scattered pine poles
24	4126 - White, Black, N. Pin Oak	Medium Density	17.3	5	1-50	Cut 2008, left green painted black oak, all R/W pine poles, and all white oak SL's, good regeneration of aspen, jack pine, red maple, and oak, should be fully stocked next YOE



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
25	4199 - Other Mixed Upland Deciduous	Medium Density	5.7	5		cut 2008, left green painted black oaks, all R/W pine poles/saplings, and all white oak SL trees, approx. 50% saplings and 50% poles and SL's, 2 aged - possibly 3 aged going towards all aged
26	4122 - Oak, Pine	Low Density Log	17.6	93	1-50	semi-open oak stand with clumps of J6 and scattered jack pine, possibly cut out jack pine now or in 10 years and maintain in semi-open condition (oak/pine) barrens by burning, may want to mark some jack pine to leave also, treat wth adjacent stands
28	4191 - Mixed Upland Deciduous with Conifer	Low Density Sapling	11.4	26		fairly sparse but still foreste, stand is in somewhat of a frost pocket and consists of JP poles with scattered hardwood saplings
30	4191 - Mixed Upland Deciduous with Conifer	High Density Log	31.7	84	111-140	Most of stand is flat/rolling terrain but south, west, and east edges have some steeper slopes, mostly decent quality black oak and white oak with some red oak mixed in, also a significant component of red/white pine, overall stand is 2 aged going towards all-aged, NE part is O9W3, NW and west is O9R5R2, South and SE is O9W4O1, white pine and red pine saplings overall are almost pole-size, oak appears to be healthy as does both the red/white pine, scattered red/white pine logs-XL's thru-out stand, south end is less dense with a fairly open understory
31	4130 - Aspen	High Density Sapling	38.4	16		nice A3 in most spots but a few areas are sparser with upland brush and scattered oak/red maple
32	42220 - Natural Jack Pine	Medium Density Pole	16.8	53		mature jack pine stand, parts of which have fairly small trees (frost pocket?)
33	42110 - Planted Red Pine	High Density Log	26.8	77	141-170	Red pine stand which was thinned in 1999 by cutting everything but red and white pine and some scattered oak, stand mostly red pine poles and sawlogs with some scattered oak SL's, moderate stocking of oak in the understory, east end is less stocked than the west end,
36	42220 - Natural Jack Pine	High Density Pole	26.8	53		mature jack pine but parts are fairly small trees (Frost pockets?), south end has most of the red pine which is also mature/over-mature, north-west corner of the stand is heavy to hardwoods/brush and also a small triangle ofR/W pine with scattered oak
37	42110 - Planted Red Pine	High Density Sapling	7.7	23		red pine planted in 1990, some volunteer jack pine and oak also, biggest red pine is approaching pole size
39	42111 - Planted Red Pine, Mixed Deciduous	High Density Sapling	31.6	14		red pine planted in 1999, mix of natural jack pine and oak regeneration also
40	42110 - Planted Red Pine	High Density Log	38.7	69	141-170	WW2 era red pine plantation, thinned in 1999 by removing everything except red and white pine and scattered oak, mostly red pine logs with some poles, low to moderate stocking of oak in the understory
41	42120 - Planted Jack Pine	High Density Sapling	28.4	21		kack pine planted 1992, scattered oak saps also



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42	4310 - Pine, Oak Mix	Medium Density	1.2	25		cut with stand to the south in fall 1987 but left unplanted, now is fairly equal mix of jack pine and oak with some red pine saplings mixed in
43	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	34.5	15		planted to jack pine in 1998, scattered hardwoods also
44	42111 - Planted Red Pine, Mixed Deciduous	High Density Sapling	29.2	23		red pine planted in 1990 with some natural oak and jack pine scattered within stand
45	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	40.7	23		cut 1987, planted to jack pine in 1990
46	42141 - Planted Mixed Pine, Mixed Deciduous	Medium Density	32.6	14		red pine planted in 1999 with scattered jack pine and oak coming in naturally
47	42110 - Planted Red Pine	Medium Density Log	23.1	76	141-170	stand is a buffer left when stand behind it along campgrounds road and F-97 were final harvested in last 20 - 30 years, now ranges from J3 to R9, could leave for another 10 years until these adjacent stands grow more or thin those parts of the stand which meet silvicultural criteria (approx. 75-80% of the stand)
48	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	37.2	23		planted to jack pine in 1990, scattered oak and natural red pine also
50	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	30.5	12		cut 1998 and seeded to jack pine that year, supplemental planted to jack pine in 2001 and again in 2002, some areas heavy to oak
51	42110 - Planted Red Pine	High Density Sapling	30.6	15		planted to red pine in 1998, lots of natural jack pine coming in also
52	4130 - Aspen	High Density Sapling	2.5	26		aspen regenerated in 1987 with scattered oak SL's and conifer saplings in understory
53	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	18.0	23		planted to jack pine in 1990, now mix of natural and planted jack pine and naturally regenerated oak
54	4131 - Aspen, Oak	Low Density Sapling	10.0	3	1-50	cut early in 2010, left green painted black oak, all R/W pine poles, white oak sawlogs and saplings, just makes forested with larger trees which had been left, oak and pine saplings coming in as well as aspen, 2 aged stand
55	42120 - Planted Jack Pine	High Density Sapling	11.3	15		cut in 1996, planted to jack pine in 1998
56	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	7.1	41	1-50	cut early 2010, left green painted oak all R/W pine poles and saplings, and white oak sawlogs, east 1/3-1/2 is fairly open (non-forested with scattered trees) and the west 1/2-2/3 is R4/5 with scattered oak SL's, stand is now 2 aged going to all aged as R/W pine is younger than the oaks but older than the hardwood saplings

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Roscommon Mgt. Unit

Report 8 – Forested Stands

Compartment: 125
Year of Entry: 2016

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	4131 - Aspen, Oak	High Density Sapling	14.2	26		A3 going to A6, aspen but also a few areas heavy to oak and maple
58	4124 - Red with White Oak	High Density Log	31.5	85	111-140	Oak knob with red/white oak SL mixed with aspen and red maple poles/SL, south central part has fairly steep slopes, best oak is at the top of the hill and on these slopes and the quality decreases as you go downhill to the north, east, and west, oak at top of the hill is mixed with BTA XL's and there is little to no red maple component here, perimeter of the hill is oak with SL aspen and lots of pole-size and some SL size red maple, scattered L-X red pine at the top of the hill and more pole/log red /white pine with some jack pine at the north end of the stand, some areas are heavy to white oak, understory at the top of the hill is mostly witch-hazel and juneberry, bottom of hill is fairly open except for a few spots which have heavy red maple saplings
59	4199 - Other Mixed Upland Deciduous	Low Density Sapling	33.5	3	1-50	cut late 2009/early 2010, left green painted oaks, allred and white pine poles, and white pine SL's, stand is mix of A3 or O3 (primarily white oak) with scattered oak SL's and pine poles



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
27	3303 - Mixed Low Density Trees	13.1	No	Unspecified	mix of low density jack pine poles and oak SL's
29	3102 - Grass	0.8	No	Unspecified	old landing area?
34	3205 - Mixed Upland Shrub	1.0	No	Unspecified	old landing area?
35	3302 - Low Density Conifer Trees	12.9	No	Unspecified	grassy opening with scattered jack pine poles and oak SL's. prescribed in 2012 to burn with stand to the east in 71126 to maintain as oak/pine barrens
38	3302 - Low Density Conifer Trees	5.5	No	Low	low density trees, scattered jack pine and hardwood poles, some areas are more J6, frost pocket, could cut with adjacent J6 and regenerate to jack pine
49	3102 - Grass	5.6	Plantation	Jack Pine	cut 2010 and then planted to jack pine in 2010, still non-forested, scattered oak SL trees which were left are either dying or dead