



Roscommon Forest Management Unit
Compartment Review Presentation
Compartment #163 Entry Year: 2013
Compartment Acreage: 1270 County: Roscommon

Revision Date: 6/17/2011

Stand Examiner: Dale Ekdom

Legal Description: T21N R3W Sections 21 & 28

Identified Planning Goals: Upper Muskegon Management Area

Management Goals: Maintain current age and species diversity in a range of early and late successional ecosystems.

Soil and Topography: Terrain in the compartment is flat to gently rolling and cut by a part of the Townline Creek drainage. Soils are Grayling sands and Newton sandy loams in the upland areas and Rifle peat in the drainages and swamps.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Compartment is entirely state-owned and surrounded by state ownership.

Unique, Natural Features: Kirtlands Warblers have been recorded in a jack pine stand in the SW1/4 of Section 21.

Archeological, Historical, and Cultural Features: None recorded or detected during fieldwork.

Special Management Designations or Considerations: A large riparian corridor SCA is located in the north and east part of the compartment centered on a tributary of Townline Creek.

Watershed and Fisheries Considerations: Compartment contains a tributary of Townline Creek

Wildlife Habitat Considerations: Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, and turkeys, and water-fowl as well as non-game species.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift are the Jurassic Ionia Formation and the Pennsylvanian Grand River and Saginaw Formations. The Saginaw is quarried for clay in the State. There are no nearby gravel pits in the area. The nearest gravel pit is located two miles to the northeast and potential is thought to be limited. Headquarters Field is located to the south and east. The field has produced over 11.3 million BO and 4.2 Bcf

gas primarily from the Devonian Richfield Formation and is in secondary recovery operations currently. All of the State land is currently leased for oil and gas development.

Vehicle Access: Vehicle access to the entire compartment is excellent via seasonal county roads and forest two-tracks. No specific road access concerns at this time.

Survey Needs: None needed at this time.

Recreational Facilities and Opportunities: Sections of the Denton ORV loops and the Houghton Lake snowmobile trail systems lie within the compartment. The compartment is also heavily used for deer, bear, turkey, and other small game hunting.

Fire Protection: Lots of pine fuel types present but they are broken up by upland and lowland hardwood areas, wet drainages and swamps, and other natural and man-made barriers. No wildland-urban interface within the compartment.

Additional Compartment Information: Proposed treatments include 104 acres of final harvests in aspen, oak, jack pine, and red pine cover types and 77 acres of thinning in mixed pine cover types .

- **The following reports from the Inventory are attached:**
 - ◆ **Total Acres by Cover Type and Age Class**
 - ◆ **Proposed Treatment Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**
 - ◆ **Stand Details (Forested and Nonforested)**
 - ◆ **Dedicated and Proposed Special Conservation Areas**

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

Cover Type & Treatment Map

Compartment 163
 T21N, R03W, Sec. 21, 28
 County: Roscommon
 Unit: Roscommon
 YOE: 2013
 Acres: 1,270 GIS Calculated
 Stand Examiner: Dale Ekdom
 Map Revised: 8/15/2011
 Map Phase: Pre-Review

21
 28



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

Legend

- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Bike Trails
- Hiking Trails
- ORV Routes
- ORV Trails
- Ski Trails
- Snowmobile Trails
- Bike Trail
- Hiking Trail
- Ski Trail
- ORV Route
- ORV Trail
- Snowmobile Trail

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)

Forest Stands

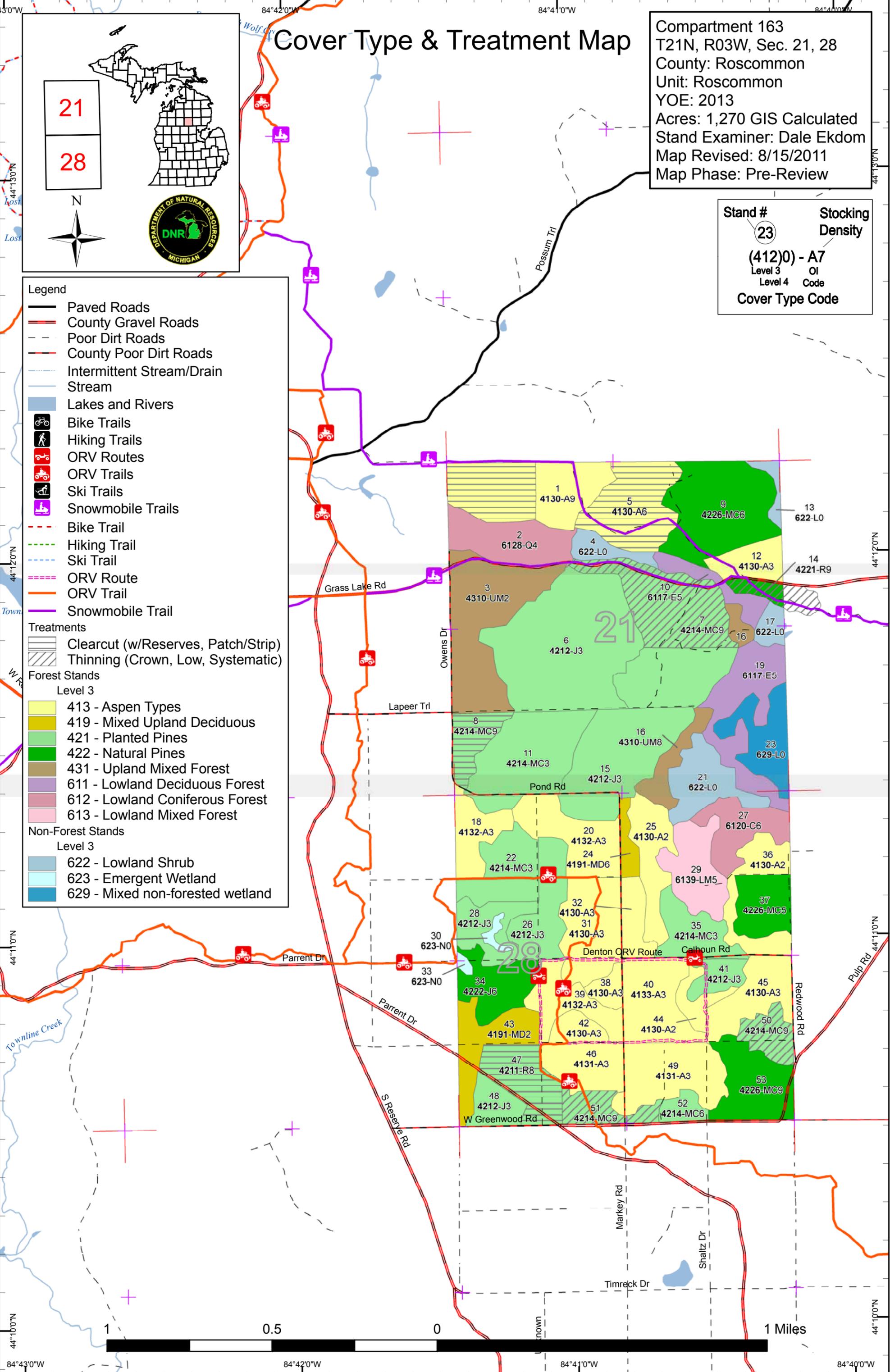
Level 3

- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland

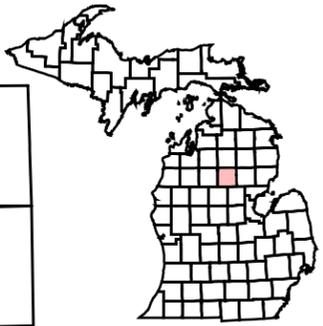


44°13'0"N 84°42'0"W 84°41'0"W 84°40'0"W 44°12'0"N 44°11'0"N 44°10'0"N

Stand Boundary Map

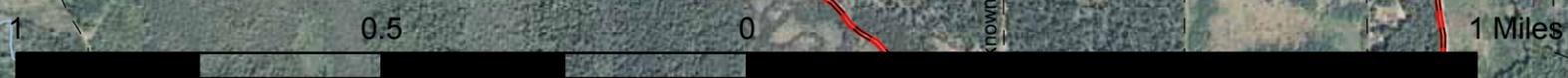
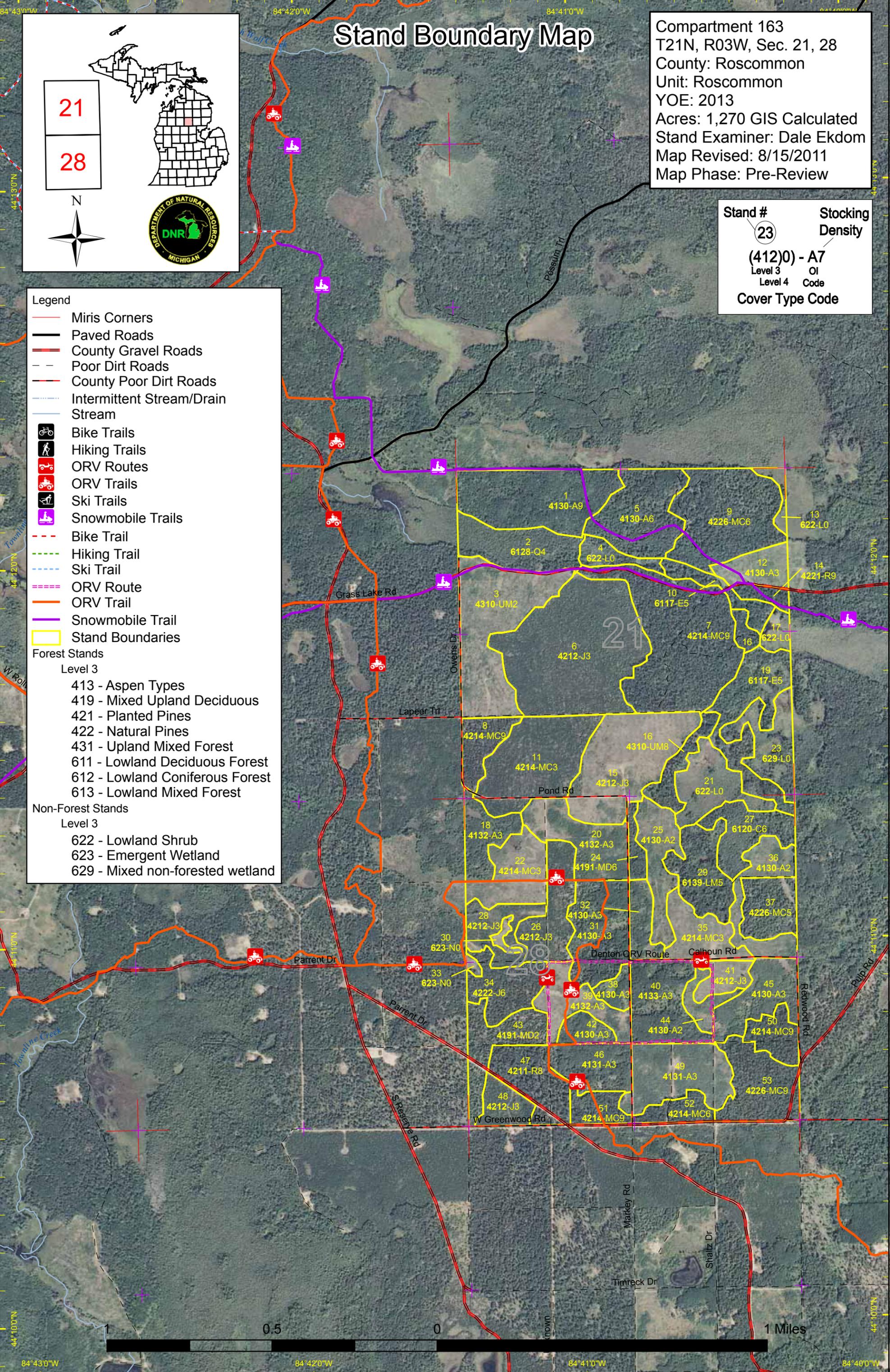
Compartment 163
 T21N, R03W, Sec. 21, 28
 County: Roscommon
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 Map Revised: 8/15/2011
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21
 28



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

- Legend**
- Miris Corners
 - Paved Roads
 - County Gravel Roads
 - - Poor Dirt Roads
 - - County Poor Dirt Roads
 - - - Intermittent Stream/Drain
 - Stream
 - Bike Trails
 - Hiking Trails
 - ORV Routes
 - ORV Trails
 - Ski Trails
 - Snowmobile Trails
 - - - Bike Trail
 - - - Hiking Trail
 - - - Ski Trail
 - - - ORV Route
 - ORV Trail
 - Snowmobile Trail
 - Stand Boundaries
- Forest Stands**
- Level 3
- 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3
- 622 - Lowland Shrub
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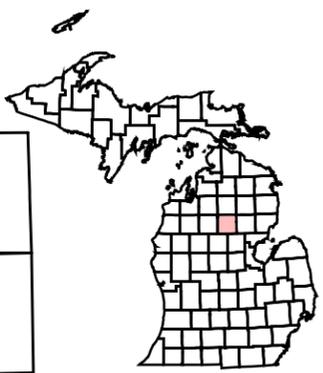
84°43'0"W 84°42'0"W 84°41'0"W 84°40'0"W

44°10'0"N 44°11'0"N 44°12'0"N

Dedicated & Proposed Special Conservation Area Map

Compartment 163
T21N, R03W, Sec. 21, 28
County: Roscommon
Unit: Roscommon
YOE: 2013
Acres: 1,270 GIS Calculated
Stand Examiner: Dale Ekdom
Map Revised: 8/15/2011
Map Phase: Pre-Review

21
28



- Legend**
- Miris Corners
 - + Remonumented Section Corners
 - Proposed Special Conservation Areas
 - ▨ SCA - Special Conservation Area
 - Special Conservation Areas
 - Cold Water Streams
 - Stand Boundaries
 - Forest Stands
 - Level 3
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
 - 613 - Lowland Mixed Forest
 - Non-Forest Stands
 - Level 3
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland
 - 629 - Mixed non-forested wetland

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

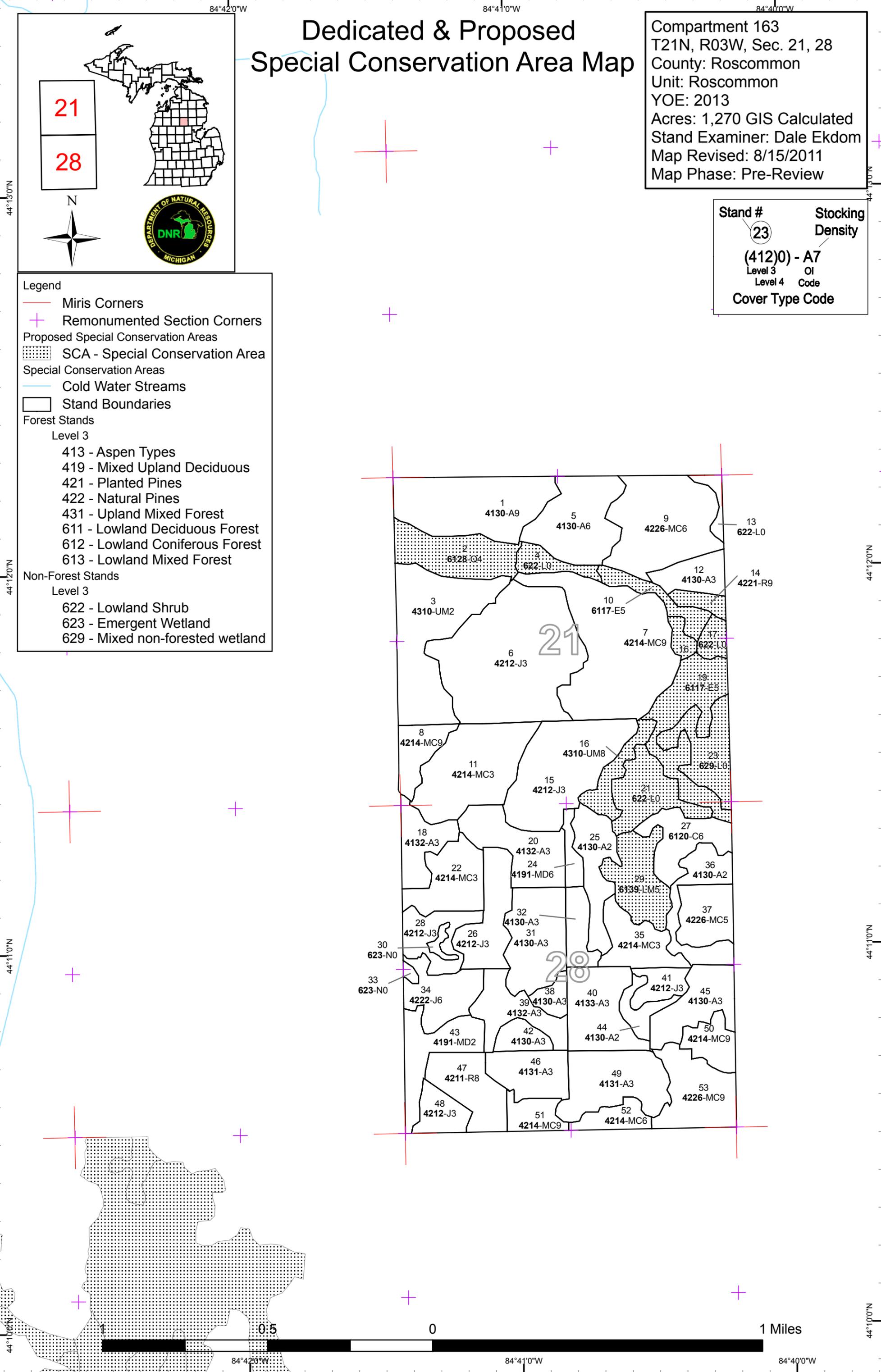
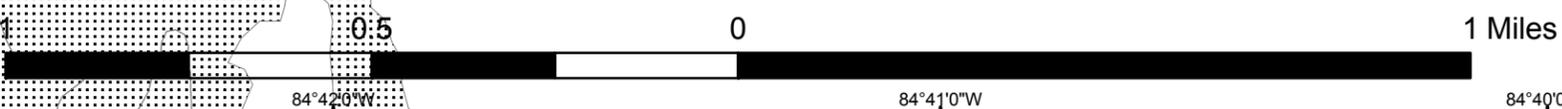
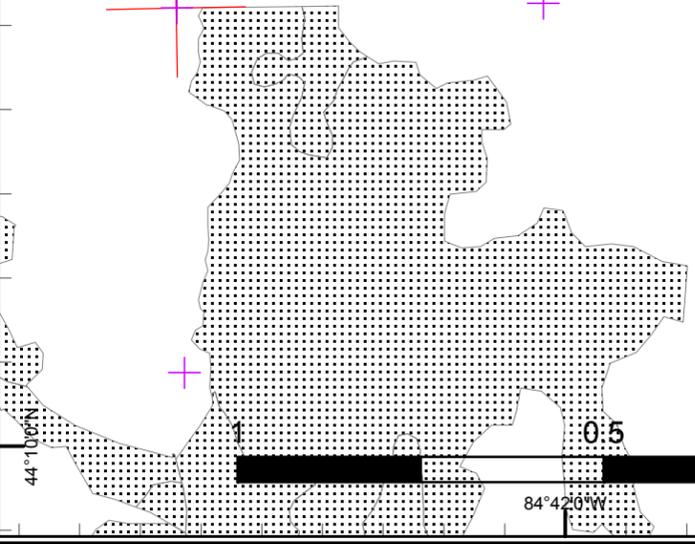
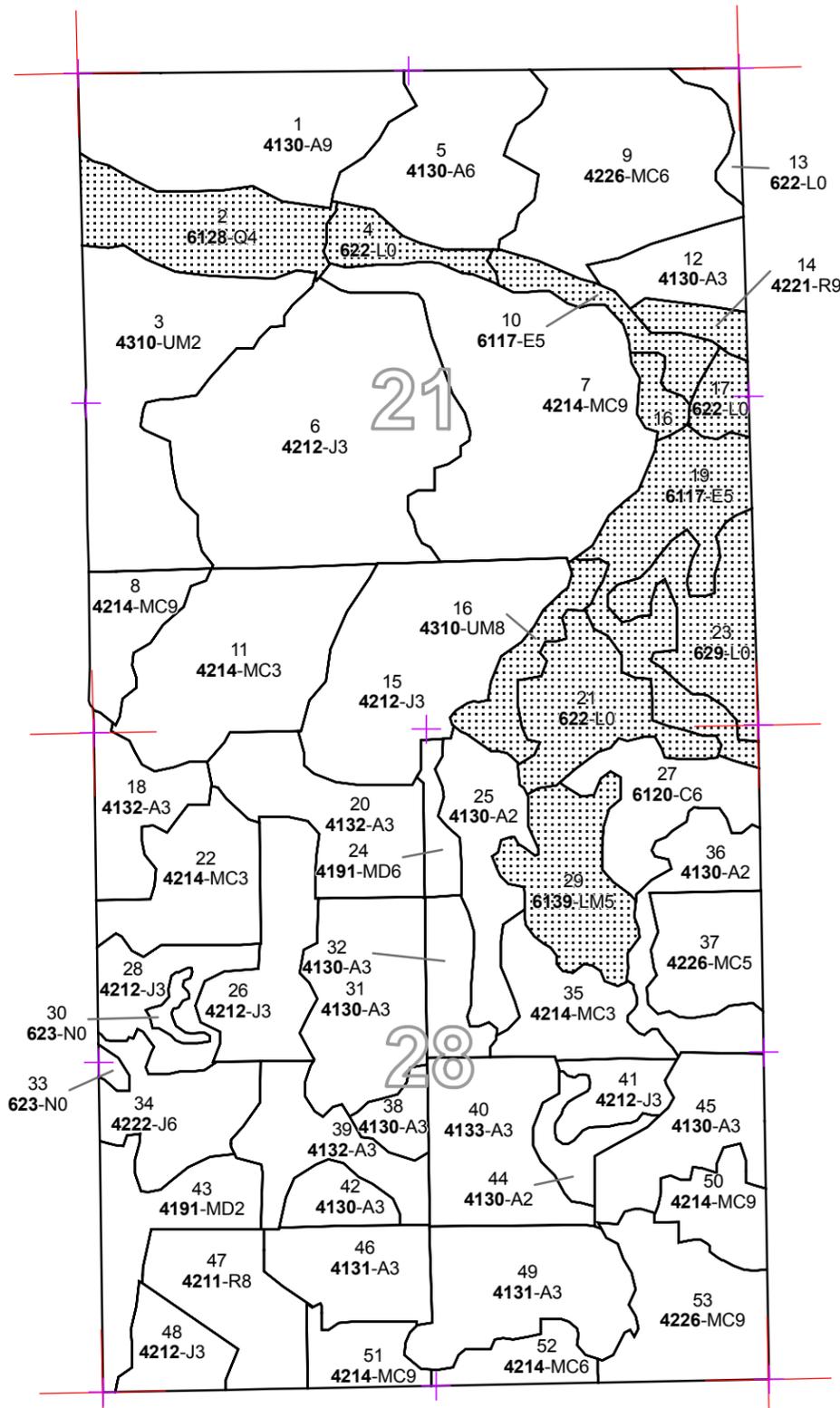


Table 1 – Total Acres by Cover Type and Age Class



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Unre/en Age
Aspen	0	150	50	69	34	88	0	0	0	0	0	0	0	0	0	392
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	22
Jack Pine	0	63	147	0	22	0	0	0	0	0	0	0	0	0	0	232
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	28
Lowland Deciduous	0	0	0	0	0	0	36	0	0	11	0	0	0	0	0	47
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25
Lowland Shrub	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
Marsh	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	29
Natural Mixed Pines	0	0	0	0	0	53	0	0	0	0	0	0	0	0	49	102
Planted Mixed Pines	0	20	73	0	0	0	0	0	0	102	14	0	0	0	10	219
Red Pine	0	0	0	0	0	0	0	0	0	25	0	6	0	0	0	30
Upland Mixed Forest	0	56	0	0	0	0	0	0	0	0	0	0	0	0	16	73
Total	70	290	271	98	56	141	36	0	0	138	42	6	0	0	122	1270



Table 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit
Year of Entry 2013

Compartment 163
Total Compartment Acres: 1270

Acres by Treatment Type

Commercial Harvest - 169	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 13	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	65	0	0	0	0	0		65
Planted Mixed Pines	14	0	0	0	72	0		86
Red Pine	25	0	0	0	6	0		30
Total	104	0	0	0	77	0		181



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	71163001-Cut	27.9	4130 - Aspen	High Density Log	45	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<p><u>Prescription:</u> final harvest for aspen mgt., red line a few pine islands for retention/visual, leave all oak for mast, visual, retention, and diversity or mark oak mast trees, mark some R/W pine for diversity, watch visual on SMT, buffer swamp on south side as needed, use "rabbit" specs along swamp edge to south</p> <p><u>Specs:</u></p> <p><u>Other:</u> should regenerate to aspen but alternate regen will be RP if aspen fails, any combination of hardwoods and pine to a fully stocked stand is acceptable, add proper protection specs to ensure SMT stays open to snowmobiles during hauling</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p>									
5	71163005-Cut	37.4	4130 - Aspen	High Density Pole	45	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<p><u>Prescription:</u> cut now for aspen mgt., leave islands of pine on the south end for retention/visual/diversity on the SMT, leave all oak or mark some oak to leave for mast, buffer swam as needed and use "rabbit" spec. along swamp to north and south</p> <p><u>Specs:</u></p> <p><u>Other:</u> should regenerate to aspen but alternate regen will be RP if aspen fails, any combination of hardwoods and pine to a fully stocked stand is acceptable, use 2T on east edge as east boundary, add proper protection specs to ensure SMT stays open to snowmobiles during hauling</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p>									
7	71163007-Cut	45.5	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	82	Harvest	Crown Thinning	42141 - Planted Mixed Pine, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription:</u> thin areas with low amount of W3/W6 by removing JP, leave any areas of W3W6 out of sale as the WP is too dense to remove trees w/o damaging residual, leave part north of SMT and west arm for retention/visual, residuals should range from 90-120 SF of R/W pine and oak,</p> <p><u>Specs:</u></p> <p><u>Other:</u> actual treatment area may vary more than the Chapter 7 amount as location of redline will vary due to leaving areas of W6W3 out of any treatment - approve this change at C.R., use KW specs in this stand to protect nesting habitat in adjacent stands, add proper protection specs to ensure SMT stays open to snowmobiles during hauling</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p>									
8	71163008-Cut	14.0	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	90	Harvest	Clearcut with Reserves	42141 - Planted Mixed Pine, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription:</u> final harvest and plant RP, no retention other than marking good oak mast trees, possible green-up concern on north end so may need to mark some R/W pine to leave on north end</p> <p><u>Specs:</u></p> <p><u>Other:</u> manage for a mixed stand of planted RP and natural JP/Oak, use KW specs in this stand to protect nesting habitat in adjacent stands, add proper protection specs to ensure SMT stays open to snowmobiles during hauling, wildlife biologist would like to interplant some acorns if funding and availability can be accomplished and oak regeneration is lacking - low priority</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> trench and plant RP</p>									
14	71163014-Cut	5.6	42210 - Natural Red Pine	High Density Log	105	Harvest	Low Thinning	42210 - Natural Red Pine	Cmpt. Review Proposal
<p><u>Prescription:</u> thin to 90-120 SF/Acre so as to enhance old growth/bio-diversity characteristics</p> <p><u>Specs:</u></p> <p><u>Other:</u> stand has a dense A/RM understory which will need to be addressed with appropriate sale specs to protect at least some of the understory, save W3 understory where possible, treat stand to the east in 71165 when this stand is treated (same stand)</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u></p>									

**Table 3 -- Treatments Prescribed
with No Limiting Factor**



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
47	71163047-Cut	24.7	42111 - Planted Red Pine, Mixed Deciduous	Medium Density Log	82	Harvest	Clearcut with Reserves	4122 - Oak, Pine	Cmpt. Review Proposal
<u>Prescription:</u> final harvest and manage for the O/J understory, mark some RP for diversity & visual, leave part south of Parrent Drive for retention, plant RP in <u>Specs:</u> any larger areas which do not regenerate to Oak or JP, any combination of hardwoods and pine to a fully stocked stand is acceptable <u>Other</u> consider marking some leave trees closest to the trail to eliminate potential problems with stumps <u>Comments:</u> <u>Next</u> <u>Steps:</u>									
50	71163050-Cut	12.7	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	82	Harvest	Low Thinning	42141 - Planted Mixed Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> thin to 120 SF by removing J/A/M and marking some oak and R/W pine to cut, remove suppressed/low quality/defective R/W pine and oak with <u>Specs:</u> smaller tops which will stump sprout, leave good oak mast trees <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u>									
51	71163051-Cut	10.6	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	82	Harvest	Crown Thinning	42141 - Planted Mixed Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> thin by removing all J/A/M and marking RP /oak to cut, no retention due to size of the stand, pine/oak residual should be 90 -120 SF/acre <u>Specs:</u> <u>Other</u> if needed - have logger cut some WP for ease of operations and scale or could mark WP to cut also, may need to make rows for access in <u>Comments:</u> spots, consider marking some leave trees closest to the trail to eliminate potential problems with stumps <u>Next</u> <u>Steps:</u>									
52	71163052-Cut	3.0	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Pole	82	Harvest	Crown Thinning	42141 - Planted Mixed Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> cut all J/A/M and mark RP/oak to cut, thin to 90-120 SF, no retention due to size of the treatment <u>Specs:</u> <u>Other</u> if needed - have logger cut some WP for ease of operations and scale or could mark WP to cut also, may need to make rows for access in spots <u>Comments:</u> <u>Next</u> <u>Steps:</u>									
Total Treatment Acreage Proposed:		181.5							

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription
Specs:

Other
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

**Total Treatment
Acreage Proposed: 0**

**Out of YOE -- Treatments
Prescribed with No Limiting Factor**

Year of Entry: 2013



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
71048_OutOfY OE_1-Cut	2.2				Harvest	Low Thinning	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> thin to 120 SF by concentrating on improving the quality of the stand, no retention other than residual RP, save areas heavy to oak understory <u>Specs:</u> where possible</p> <p><u>Other</u> cut with stand to the west in 71046 <u>Comments:</u></p> <p><u>Next</u> manage for utility poles next YOE <u>Steps:</u></p>								
71048_OutOfY OE-Cut	4.0			0	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<p><u>Prescription</u> final harvest for aspen mgmt., mark oak SL to leave for wildlife mast, mark R/W pine SL for diversity, no retention other than marked leave <u>Specs:</u> trees, address green-up concerns on the east side of this stand if still a problem, dormant season cut to promote vigorous sprouting of the older aspen in the stand, any regeneration to a fully stocked stand is acceptable, trench and plant RP if regeneration fails</p> <p><u>Other</u> cut with stand to the west in 71046 <u>Comments:</u></p> <p><u>Next</u> <u>Steps:</u></p>								
71118_OutOfY OE-Cut	6.6			0	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Cmpt. Review Proposal
<p><u>Prescription</u> final harvest for aspen mgmt. mark or leave all oak for diversity/retention/visuals. buffer low marshy ground on southwest. leave out any wetter <u>Specs:</u> areas in the north part of the stand for BMP reasons. leave out areas with heavy R/W pine component for diversity/retention/visuals. Any regeneration of aspen/oak/pine to a fully stocked stand is acceptable. regeneration alternative is to plant red pine if stand is not fully stocked but this is unlikely.</p> <p><u>Other</u> treat with stand to the west in 71117, add proper protection specs to ensure trail status open to snowmobiles during hauling <u>Comments:</u></p> <p><u>Next</u> <u>Steps:</u></p>								
71165_OutOfY OE-Cut	5.1				Harvest	Low Thinning	42260 - Natural Pine, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> thin to 90-120 SF/Acre so as to enhance old growth/bio-diversity characteristics <u>Specs:</u></p> <p><u>Other</u> stand has a dense A/RM understory which will need to be addressed with appropriate sale specs, save W3 understory where possible, treat <u>Comments:</u> stand to the west in 71163 when this stand is treated (same stand)</p> <p><u>Next</u> <u>Steps:</u></p>								
Total Treatment Acreage Proposed:	17.9							

Stand	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 163
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013
						General Comments:
1	4130 - Aspen	High Density Log	50.9	45		nice A9 stand, mostly aspen P-L with scattered oak and red maple SL, also scattered R/W pine X-L's, east side has smaller trees (A6) but still merchantable - could leave east side for 10 years - better aspen distribution in the compartment, hold or cut part/all as desired
2	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Pole	28.5	95		broad drainage area, very wet in spots, floodplain of Townline Creek
3	4310 - Pine, Oak Mix	Medium Density	56.4	5		J9 cut 2005, now A2J2O2, JP is natural regeneration, there are a few WP poles scattered thru-out the stand also
5	4130 - Aspen	High Density Pole	37.4	45		A6 going towards A9, areas heavy to R/W pine esp. south end along the SMT, rest of stand has scattered P/W pine and oak SL and Xl's, hold or cut part/all as desired
6	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	93.1	15		planted JP mixed with some oak/WP from nat. regeneration
7	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	79.2	82	111-140	mix of R/J pine and oak with scattered WP poles, stand was planted in 1928 to R/J pine but has lots of R/J/W pine and oak from natural sources, south end has heavy white pine/oak/JP u.s., north part more open u.s., several areas heavy to WP poles with W3 u.s.(south), scattered R/W pine XL monarch trees,
8	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	13.6	90	141-170	mix of R/J pine and oak with scattered WP, JP slightly younger than RP/Oak, u.s. mostly open but a few small areas are heavy to WP or oak, most JP topped out and declining with some already dead, south end has more RP and is definitely planted north end is an equal mix of R/J and appears more natural, manage for a mixed stand of planted RP and natural origin JP
9	42260 - Natural Pine, Mixed Deciduous	High Density Pole	52.9	45	1-50	mix of everything, oak SL, aspen poles, R/W pine S-P-L's, and JP poles, areas heavy to aspen in clones, and RP or JP pockets, stand appears 2 aged with the oak and some of the R/W pine being older and the A/JP being a younger cohort, recommend holding 10 years and then cutting A/J and leaving R/W pine and oak,
10	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	11.0	88		very wet, broad drainage area, floodplain of Townline Creek, add as riparian corridor to SCA layer
11	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Sapling	47.7	15		planted RP with natural oak/JP regeneration, cut March, 1994 and RP planted May, 1995
12	4130 - Aspen	High Density Sapling	13.6	5		mix of A/J/O and RP before cut in 2005, came back to A3
14	42210 - Natural Red Pine	High Density Log	5.6	105	111-140	R9 stand which was thinned in 1994 by removing most HW's and JP, could be thinned again, stand has scattered R/W Pine X-logs and few areas of W3 in the understory, now this stand is a 2 aged stand of RP SL and A/RM saplings





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
15	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	53.6	4		planted to JP in May 2007 after cutting in 2004, now planted JP with natural O/A regeneration and some natural JP regeneration
16	4310 - Pine, Oak Mix	Medium Density Log	16.2	Uneven Age	51-80	transition zone between "L" to the east and high ground to the west, JP/A/Oak declining but RM/WP doing well, 2 aged going toward all-aged, SE arm is an island of somewhat higher ground than "L" types on both sides of the arm, lots of blowdown thru-out stand with scattered WP X-L's, small inclusions of T6 and W9 within stand also, good stand to add to SCA layer as riparian corridor
18	4132 - Aspen, Jack Pine	High Density Sapling	17.2	26		interior of stand is heavy TA with pole size R/W pine scattered thru-out aspen, edges (especially the east/south sides) are more open with JP-Oak-pin cherry poles
19	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	35.7	50		lowland RM/Aspen stand, aspen declining but stand has numerous operability problems including wet, hummocky ground and numerous wet pockets with "L", TA SL/poles with RM poles coming up in understory as replacement stand, also scattered JP logs and WP poles, stand nominated as SCA in draft POG plan, good one to leave as an SCA - riparian corridor
20	4132 - Aspen, Jack Pine	High Density Sapling	29.3	6		BTA clones interspersed with more open areas of O/J saps, cut 2004
22	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Sapling	25.1	14		RP planted 2006 with natural O/J regeneration from cut in 2004
24	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	6.0	26		natural JP and Oak poles resulting from a 4" spec. cut in 1984, south end is heavier to aspen and north end is heavier to O/J
25	4130 - Aspen	Medium Density	22.5	5		cut 2005, regenerated to a mix o A/O/J, still filling in
26	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	25.2	15		cut 1995, planted jack pine in 1996, mix of planted jack pine and natural oak regeneration
27	6120 - Lowland Cedar	High Density Pole	21.7	Uneven Age		cedar swamp with scattered RM SL and WP X-L's, most RM is close to the edge and WP is both scattered and in pockets, bulk of the stand is cedar but there is some balsam fir in pockets where blowdown has occurred
28	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	17.4	14		cut 1995, plnated to jack pine in 1996, areas heavy to TA were left un-planted, numerous smal bogs/marshes/vernal ponds within stand which are too small to map, stand is a mix of R/J pine in spots - either mixed plantings of due to nat. regeneration of RP mixing with planted jack pine



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	6139 - Mixed Lowland Forest	Medium Density Pole	25.4	Uneven Age		two-track goes into south end of stand onto a 2-3 acre peninsula of high ground with a campsite, rest of stand is a series of upland ridges and lowland swales, upland areas are oak and other scattered HW's with W6W3 understory, lowland areas are RM/TA/NWC with scattered WP and BF saplings in the u.s., entire stand has this ridge/swale topography, good spot to allow WP to takeover on the uplands and let the lowlands regenerate by themselves, add to SCA to the north
31	4130 - Aspen	High Density Sapling	34.0	32		nice 30+ year old A6 stand
32	4130 - Aspen	High Density Sapling	11.6	15		mix of A/O/J, aspen is in clones interspersed with more open areas of O/J saps
34	42221 - Natural Jack Pine, Mixed Deciduous	High Density Pole	21.7	32		4" spec cut in 1978, most JP regenerated from seed but a few areas appear to be planted, almost 2 aged??, consider cutting this stand in 10 years
35	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Sapling	20.4	4		planted RP with natural O/A/J regeneration, cut in 2004 and planted to RP in 2006
36	4130 - Aspen	Medium Density	20.6	5		cut 2005, regenerated to a mix of A/O/J, still filling in
37	42260 - Natural Pine, Mixed Deciduous	Medium Density Pole	19.1	Uneven Age	51-80	mix of species and age classes, 2-aged going towards all aged, cut in 1984 to 4" spec which probably left lots of WP saplings, now stand is WP with hardwoods coming in under and around the WP, possibly thin in 10-20 years when hardwoods are more merchantable by cutting A/J and thinning oak and R/W pine
38	4130 - Aspen	High Density Sapling	6.3	15		nice A3 stand
39	4132 - Aspen, Jack Pine	High Density Sapling	20.8	5		was R9 when cut, now A2J2O2, nice A3 clones interspersed with more open areas of O/J
40	4133 - Aspen, Mixed Pine	High Density Sapling	30.9	26		mix of aspen and WP with scattered oak, RP, and JP
41	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	9.7	4		cut 2004 and planted to JP in 2006, mix of planted jack pine and natural O/A/J regeneration
42	4130 - Aspen	High Density Sapling	8.3	15		nice A3 stand
43	4191 - Mixed Upland Deciduous with Conifer	Medium Density	23.5	26		2 aged stand of A/J/O poles with scattered W/R pine poles /logs
44	4130 - Aspen	Medium Density	8.2	6		cut 2004, still regenerating
45	4130 - Aspen	High Density Sapling	24.2	15		nice A3 stand

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Roscommon Mgt. Unit

5 – Forested Stands

Compartment: 163

Year of Entry: 2013



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	4131 - Aspen, Oak	High Density Sapling	20.9	26		nice young A3 stand
47	42111 - Planted Red Pine, Mixed Deciduous	Medium Density Log	24.7	82	111-140	2 aged stand with RPSL over O/J saplings regenerated from a 1995 cut, west end has pockets of RPSL interspersed with O/J regeneration, east end has RP more well distributed with a O/J sapling understory
48	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	11.7	15		plnated jack pine with natural O/A regeneration, also scattered pin cherry, aspen is in scattered small clones
49	4131 - Aspen, Oak	High Density Sapling	35.2	5		nice young A3 stand
50	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	12.7	82	141-170	appears to be a mix of natural and planted R/W/J pine, with scattered hardwoods and R/W pine XL's scattered thruout which are 1918 YOO, bulk of stand was planted in 1928 to mix of R/J pine, therefore stand is at least 2 aged with lots of saplings of R/W pine and oak coming up in the u.s., stand is worth thinning to get more growth on residual before final harvesting in 10 years,
51	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	10.6	82	141-170	2 aged stand with R-J-O in overstory and WP/Oak in understory, mostly workable except for a few spots very heavy to W3 (mostly on the east side), the center part of the stand is W6, and the west end is R9 which was thinned in 1995 (west of the ORV trail), east of the ORV trail is unthinned
52	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Pole	9.9	Uneven Age	141-170	fairly equal mix of R/W pine (RP SL/WP poles) with some JP/A poles and Oak SL, could cut now and plant RP, hold 10-20 years and manage for WP or thin part/all now
53	42260 - Natural Pine, Mixed Deciduous	High Density Log	30.1	Uneven Age	111-140	Oak and RP/JP overstory with WP coming in underneath, WP is both poles and saplings and ranges from 20 to 45 years old, also a few scattered oak and RP/WP X-L's, JP slightly younger than the oak but still over-mature, heavy WP u.s. in most spots, recommend holding for 10-20 years and then thinning entire stand when WP is more merchantable



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	622 - Lowland Shrub	8.6	N/A	Unspecified	
13	622 - Lowland Shrub	4.2	N/A	Unspecified	
17	622 - Lowland Shrub	6.0	N/A	Unspecified	
21	622 - Lowland Shrub	24.0	N/A	Unspecified	
23	629 - Mixed non-forested wetland	23.0	N/A	Unspecified	
30	623 - Emergent Wetland	2.4	N/A	Unspecified	
33	623 - Emergent Wetland	1.3	N/A	Unspecified	



7 – 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.

Stand	SCA Type	SCA Name	Acres	Comments
2	Unique Site - SCA	71163002	28.5	add to riparian corridor SCA
10	Unique Site - SCA	71163010	11.0	add to riparian corridor SCA
14	Unique Site - SCA	71163014	5.6	thin to enhance old growth characteristics but do not add to SCA at this time, add in compartment 165 adjacent to this stand
16	Unique Site - SCA	71163016	16.2	add to riparian corridor SCA
19	Unique Site - SCA	71163019	35.7	
29	Unique Site - SCA	71163029	25.4	add to riparian corridor SCA
4	Unique Site - SCA	NF_71163004	8.6	add to riparian corridor SCA
17	Unique Site - SCA	NF_71163017	6.0	add to riparian order SCA
21	Unique Site - SCA	NF_71163021	24.0	add to riparian corridor SCA
23	Unique Site - SCA	NF_71163023	23.0	add to riparian corridor SCA



8 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
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