

Survey Needs: None necessary at this time.

Recreational Facilities and Opportunities: Compartment contains portions of the Houghton Lake snowmobile and ORV trail systems.

Fire Protection: A large portion of the compartment contains high hazard fuel types, especially immature jack pine. Compartment has no recent history of major fires. There is a fairly low incidence of wildland-urban interface except for US 127 and the Canoe Camp Road bridge and the numerous recreational trails. There are numerous man-made barriers to fire spread and the compartment is also in fairly close proximity to fire suppression forces.

Additional Compartment Information: Proposed treatments include 81 acres of thinning in red pine and 18 acres of regeneration cuts in jack pine.

- **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**

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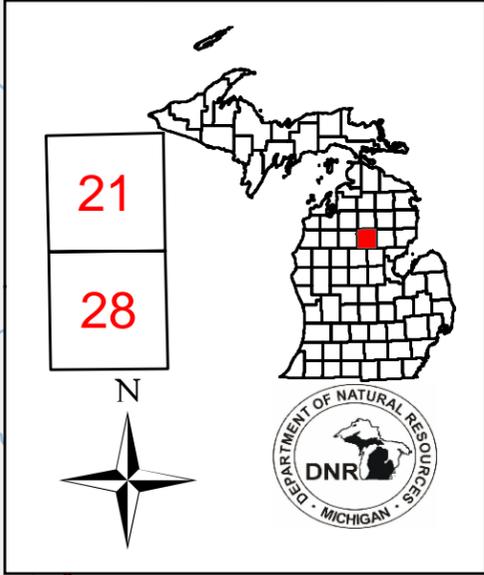
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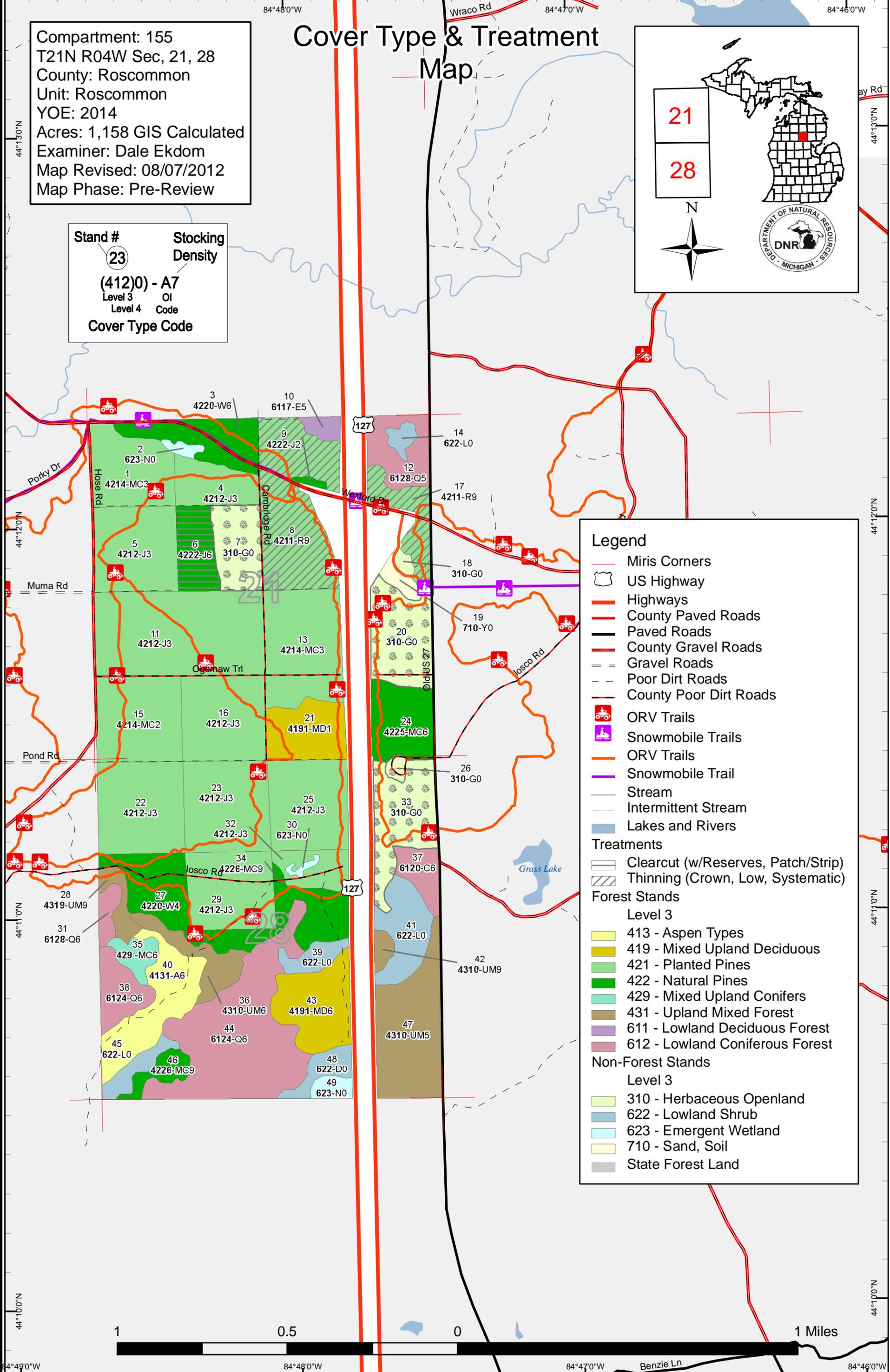
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Cover Type & Treatment Map

Compartment: 155
 T21N R04W Sec, 21, 28
 County: Roscommon
 Unit: Roscommon
 YOE: 2014
 Acres: 1,158 GIS Calculated
 Examiner: Dale Ekdorn
 Map Revised: 08/07/2012
 Map Phase: Pre-Review



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



Legend

- Miris Corners
- US Highway
- Highways
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- ORV Trails
- Snowmobile Trails
- ORV Trails
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers

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
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

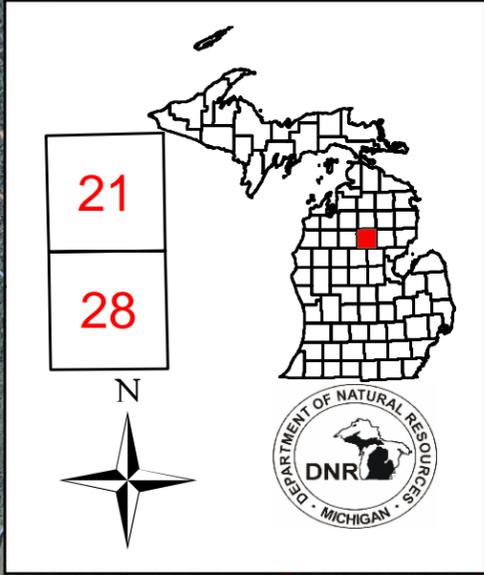
Level 3

- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand, Soil
- State Forest Land



Stand Boundary Map

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- Stream
- Intermittent Stream
- Stand Boundaries

Forest Stands

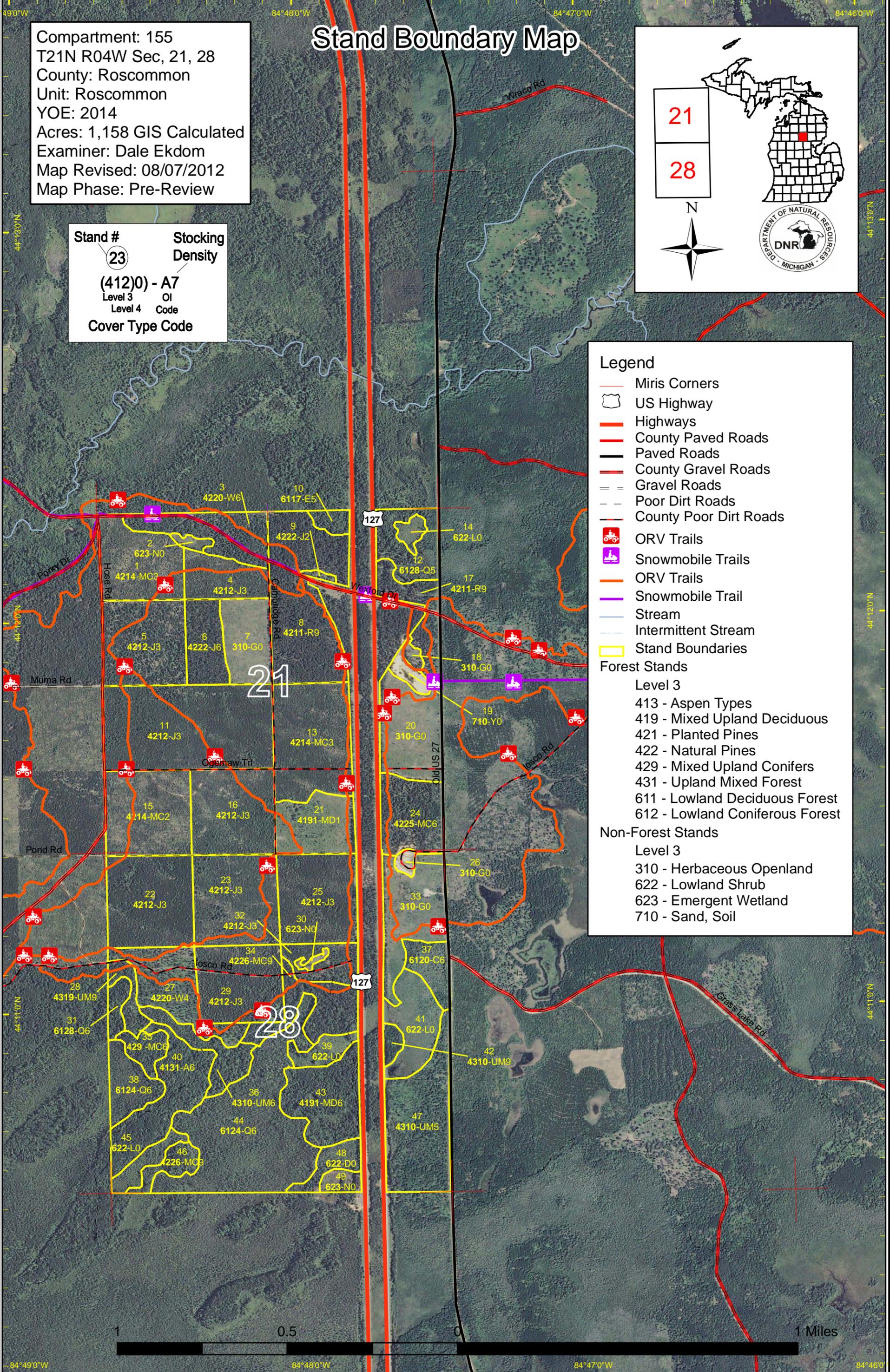
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Non-Forest Stands

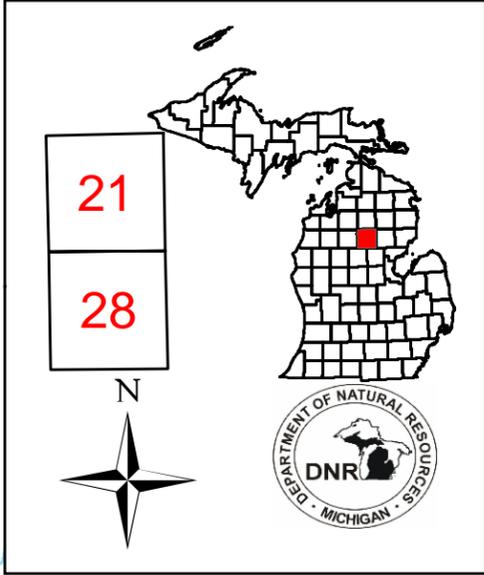
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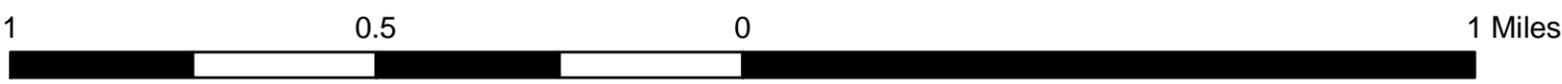
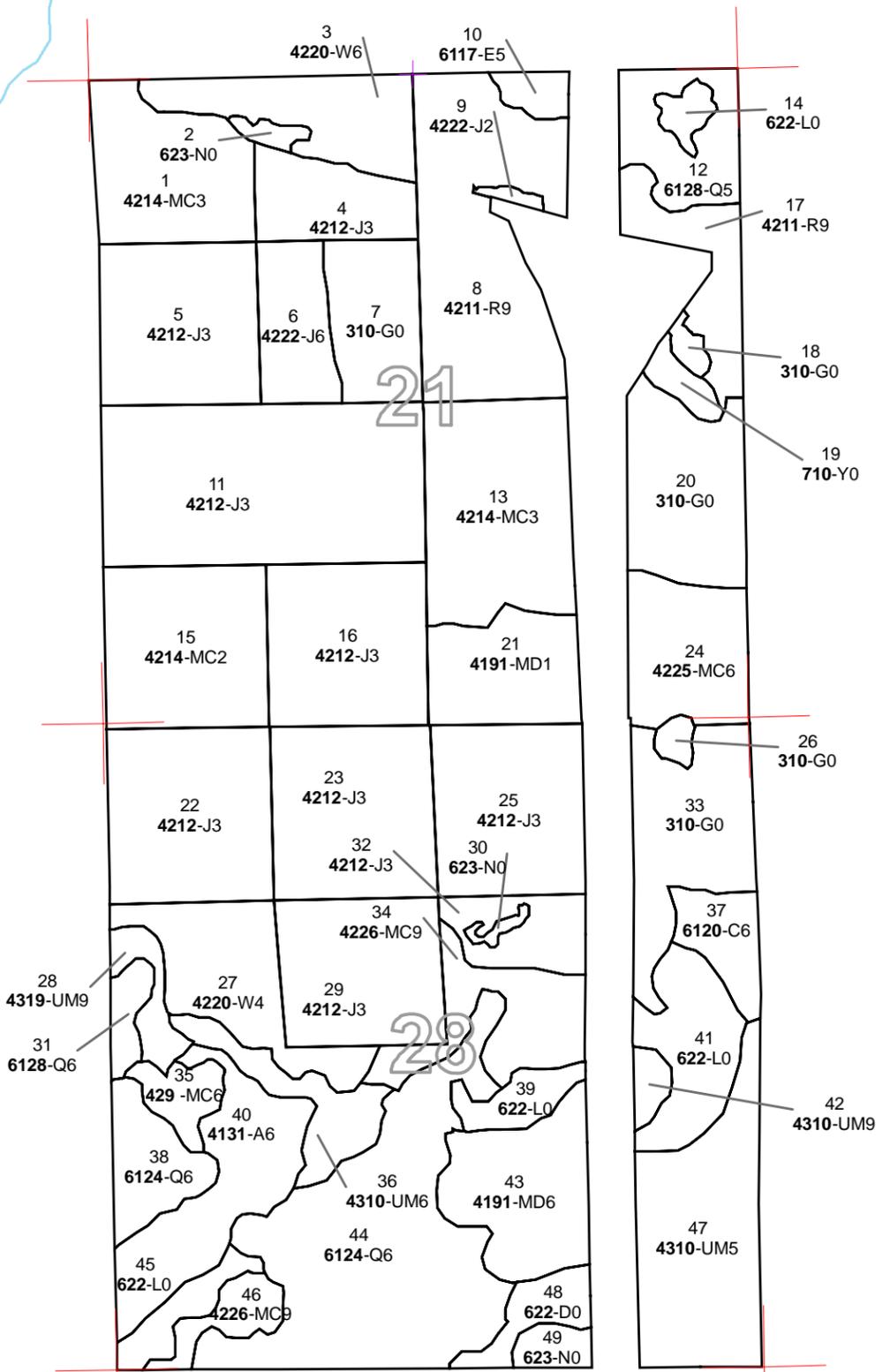
Dedicated & Proposed Special Conservation Area Map



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

Legend

- Miris Corners
- Stand Boundaries
- Forest Stands
 - Level 3
 - 413 - Aspen Types
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- Non-Forest Stands
 - Level 3
 - 310 - Herbaceous Openland
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland
 - 710 - Sand, Soil
- Dedicated Special Conservation Areas
- Cold Water Streams



84°49'0"W 84°48'0"W 84°47'0"W 44°11'0"N 44°10'0"N

Table 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 +		Unrepen Age
Aspen	0	0	0	0	33	0	0	0	0	0	0	0	0	0	33
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12
Herbaceous Openland	94	0	0	0	0	0	0	0	0	0	0	0	0	0	94
Jack Pine	0	236	120	0	18	0	0	0	0	0	0	0	0	0	373
Lowland Conifers	0	0	0	0	0	0	0	0	0	98	0	0	0	25	123
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5
Lowland Shrub	43	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Marsh	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Mixed Upland Deciduous	25	0	0	0	31	0	0	0	0	0	0	0	0	0	56
Natural Mixed Pines	0	0	26	0	0	0	23	0	0	0	0	0	0	8	57
Planted Mixed Pines	0	123	0	0	0	0	0	0	0	0	0	0	0	0	123
Red Pine	0	0	0	0	0	0	0	0	0	80	0	0	0	0	80
Sand, Soil	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Treed Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Upland Conifers	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Upland Mixed Forest	0	0	0	0	0	0	23	0	0	4	0	0	0	47	73
White Pine	0	0	0	26	0	0	0	0	0	0	0	0	0	30	56
Total	184	358	146	26	83	0	54	0	0	182	5	0	0	121	1158



Table 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit
Year of Entry 2014

Compartment 155
Total Compartment Acres: 1158

Acres by Treatment Type

Commercial Harvest - 98	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Jack Pine	18	0	0	0	0	0	18
Red Pine	0	0	0	0	80	0	80
Total	18	0	0	0	80	0	98

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



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	71155006-Cut	18.0	42220 - Natural Jack Pine	High Density Pole	42		Harvest	Clearcut	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> final harvest and manage for RP/Oak mix, no retention of scots pine, mark some oak to leave for mast <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Rx burn to reduce scots pine seed source, trench/plant RP <u>Proposed Start Date:</u> 10/01/2013										
8	71155008-Cut	61.7	42110 - Planted Red Pine	High Density Log	94	200+	Harvest	Low Thinning	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> Thin to 120-140 SF to improve quality of the stand, remove suppressed, defect, doubles, etc. first and then concentrate on marking to final <u>Specs:</u> desired density <u>Other Comments:</u> remove portions of stand relating to historical site from sale and keep equipment out of these areas, add ORV/SMT protection specs to the sale <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										
17	71155017-Cut	18.5	42110 - Planted Red Pine	High Density Log	96	141-170	Harvest	Low Thinning	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> Thin to 120 SF to improve the quality of the stand, remove suppressed, defect, doubles, etc. first and then concentrate on marking to final <u>Specs:</u> desired density <u>Other Comments:</u> thin MDOT RP with this stand?, add ORV/SMT protection specs to the sale <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										
Total Treatment Acreage Proposed:		98.2								

Table 4 -- Treatments Prescribed with
a Limiting FactorS
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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Error

Limiting Factor and No
Treatment Reason

Total Treatment
Acreage Proposed: 0

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: #Error

**Total Treatment
Acreage Proposed: 0**

Stand	Roscommon Mgt. Unit			5 – Forested Stands		Compartment: 155	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
1	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Sapling	33.7	15			cut 1996, planted 1997, mix of planted RP and natural JP/Oak regeneration
3	42200 - Natural White Pine	High Density Pole	25.9	32	81-110		WP released in 1994, possible thin next YOE
4	42120 - Planted Jack Pine	High Density Sapling	19.0	15			cut 1996, planted 1997
5	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	39.4	19			J3 planted 1993, scattered areas heavy to WP poles, some areas have planted RP
6	42220 - Natural Jack Pine	High Density Pole	18.0	42			mix of planted and natural JP/Scots P and natural RP/Oak, JP and SP declining but oak and RP doing OK but poor quality, heavy u.s. of scots pine in spots with moderate to heavy stocking of u.s. oak thru-out stand, stand is part of a 1997 sale which was never cut due to producer going bankrupt, KOTAR type is PArVHa/PVCd transition, plant to RP after sale is cut and manage for a mix of RP and oak,
8	42110 - Planted Red Pine	High Density Log	61.7	94	200+		planted RP in N-S rows, thinned at least once already in late 1990's, stand growing well but needs to be thinned again, recommend thinning to 120-140 SF/Acre to improve the quality of the stand, retain WP and Oak where possible for diversity
9	42220 - Natural Jack Pine	Medium Density	1.3	18			mix of natural J/A regeneration and RP poles/SL, growing very slow possibly due to soil compaction
10	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	4.5	107			RM with Balsam Fir, wet/soft soils, leave for visuals on US-127
11	42120 - Planted Jack Pine	High Density Sapling	79.5	19			JP planted in 1993, parts (esp. NW corner) have planted RP, parts heavy to J/R poles & Oak poles left from a 4" cut
12	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	19.2	Uneven Age			mishmash of upland and lowland, access is poor thru-out due to wet terrain and soft soils, stand is swamp conifers with a few higher islands of hardwoods, leave for visuals on old 27/US-127
13	42140 - Planted Mixed Pine	High Density Sapling	48.8	17			planted RP with natural J/O regeneration from cut in 1995, narrow 1/2 chain buffer or R/J/Oak poles between cut and freeway fence
15	42141 - Planted Mixed Pine, Mixed Deciduous	Medium Density	40.4	16			planted RP with natural J/O regeneration
16	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	39.8	15			cut 1994, planted to JP 1995
17	42110 - Planted Red Pine	High Density Log	18.5	96	141-170		R9 stand which was thinned by removing approx. every 3rd row in 2007, hold 10- years B4 thinning again or thin now with stand on the west side of US-127





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	4191 - Mixed Upland Deciduous with Conifer	Low Density Sapling	24.8	5		cut 2007, looks to have been trenched and or planted, further research indicates it was mistakenly trenched but not planted, middle is O3 with some pole-size trees, rest is PC/Oak stumps sprouts with nat. JP /RP regen, 1/2 chain of pole-size J/R/Oak between edge of cut and freeway fence which was left as a buffer
22	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	43.8	22		cut 1987 and JP planted 1990, scattered R/W pine poles
23	42120 - Planted Jack Pine	High Density Sapling	42.8	15		planted to JP in 1997 after 1995 cut
24	42250 - Pine, Oak	High Density Pole	26.1	23	51-80	appears to have been cut to 4" and regenerated in 1989 - no planting FTP found, youngest JP is 22 years old with older J/R/W pine and black oak approx. 10-20 years older, oldest trees are merchantable but still small, evaluate next YOE for possible treatment with some sort of intermediate cut or hold 20-30 years and final harvest & plant RP
25	42120 - Planted Jack Pine	High Density Sapling	39.2	22		JP lanted 1990, some JP almost pole-size, narrow 1/2 chain buffer of R/J/Oak poles between cut and freeway fence
27	42200 - Natural White Pine	Low Density Pole	29.9	Uneven Age	1-50	removed everything but WO and R/W pine in 2006 via shortwood operation, now stand is WO SL, WP poles, and O/A saplings
28	4319 - Mixed Upland Forest	High Density Log	7.3	68	141-170	stand is marginally operable transition zone between swamp to the south/west and upland to the north/east, access is limited by initially steep terrain on the north side and then wet/soft soils scattered thru-out stand - winter cut when frozen if treated
29	42120 - Planted Jack Pine	High Density Sapling	36.7	22		cut 1987, planted 1990 to JP
31	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	5.5	Uneven Age		soft/spongy soils with standing water in spots, lots of blowdown in spots
32	42120 - Planted Jack Pine	High Density Sapling	13.7	15		JP planted 1997 after 1995 cut, left narrow 1/2 chain buffer of R/J/Oak poles and SL between cut and freeway fence
34	42260 - Natural Pine, Mixed Deciduous	High Density Log	23.3	67	111-140	JP/Oak SL's and poles with nice WP u.s. of saps/poles, evaluate next YOE for possible thinning
35	429 - Mixed Upland Conifers	High Density Pole	7.8	68	111-140	WP poles with some overtopping HW/JP SL, also scattered WP XL, stand is cut by several drainages and there are numerous small potholes of "L" on the interior and edges of the stand, west end has 1 acre inclusion of R/W pine SL/XL, NW part has inclusion of RM & WB with WP u.s.
36	4310 - Pine, Oak Mix	High Density Pole	15.2	67		mix of JP/O SL and WP poles, WP/RM u.s. almost polesize, spots are heavy to oak u.s. also,hold for 10 years until RM/WP u.s. is merchantable and then fianl harvest and plant RP which should do good because of the high water table - treat with adjacent A6 and W6 stands in 2024



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
37	6120 - Lowland Cedar	High Density Pole	11.5	Uneven Age		NWC/BS/BF swamp, soft/wet soils with some standing water in spots
38	6124 - Lowland Spruce- Fir	High Density Pole	15.3	92		spruce-fir swamp with black spruce falling apart and BF coming in underneath
40	4131 - Aspen, Oak	High Density Pole	33.2	49		BTA clones separated by and interspersed with areas heavy to Oak and WP poles/saps, some spots are heavy to oak poles, should hold at least 10 more years with no problem
42	4310 - Pine, Oak Mix	High Density Log	3.6	92	1-50	island of dry upland ground with oaks and RM going towards WP, no access due to US-127 on west and lowland brush/marsh on east
43	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	31.3	40		RM/BTA just reaching pole-size, R/W pine is SL & XL size, habitat cut in 1972 but left R/W pine, u.s. has scattered areas of W3, middle and west part of stand is wetter with lots of wet runs and potholes, good stand to let grow for now as volumes will increase and it will function as visual buffer on freeway
44	6124 - Lowland Spruce- Fir	High Density Pole	82.9	92		large black spruce/cedar swamp which extends to the south into adjacent compartment
46	42260 - Natural Pine, Mixed Deciduous	High Density Log	8.1	Uneven Age		
47	4310 - Pine, Oak Mix	Medium Density Pole	47.1	Uneven Age	51-80	removed everything but WO & WP in 2006, now has at least 3 age classes, possibly thin out WP/WO next YOE, some intermediate cuts done in this stand in the early 1960's



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	6233 - Wet Meadow	2.4	No	Unspecified	
7	3105 - Mixed Upland Herbaceous	22.3	Planted	Jack Pine	planted to jack pine 5/09, lots of natural oak regeneration from stump sprouts and from seed, will be forested next YOE
14	622 - Lowland Shrub	3.9	N/A	Unspecified	
18	310 - Herbaceous Openland	2.3	N/A	Unspecified	
19	710 - Sand, Soil	4.5	N/A	Unspecified	
20	3102 - Grass	32.9	Planted	Jack Pine	planted to jack pine 5/09 lots of natural oak regen thruout stand also - both stump sprout and seedling, will be forested next YOE
26	3105 - Mixed Upland Herbaceous	2.4	Planted	Jack Pine	sandy area planted to JP in 5/09 to keep ORV 's out of bulk of the stand, mixed success with lots of ORV activity still, possible liability as public is starting to use this area as a shooting range adn it immediately adjacent to US-127 highway
30	6233 - Wet Meadow	1.4	N/A	Unspecified	
33	3105 - Mixed Upland Herbaceous	34.3	Planted	Jack Pine	planted to jack pine 5/09, lots of natural oak regen also, will be forested next YOE
39	622 - Lowland Shrub	8.0	N/A	Unspecified	
41	622 - Lowland Shrub	22.7	N/A	Unspecified	
45	622 - Lowland Shrub	8.2	N/A	Unspecified	
48	6224 - Treed Bog	9.0	No	Unspecified	treed Bog - slowly filling in with swamp conifers and swamp hardwoods
49	6233 - Wet Meadow	4.8	No	Unspecified	Old barrow pit for US-127, wet meadow with rim of planted JP



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
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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
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.

Table 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 +		Unrepen Age
Aspen	0	0	0	0	33	0	0	0	0	0	0	0	0	0	33
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12
Herbaceous Openland	94	0	0	0	0	0	0	0	0	0	0	0	0	0	94
Jack Pine	0	236	120	0	18	0	0	0	0	0	0	0	0	0	373
Lowland Conifers	0	0	0	0	0	0	0	0	0	98	0	0	0	25	123
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5
Lowland Shrub	43	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Marsh	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Mixed Upland Deciduous	25	0	0	0	31	0	0	0	0	0	0	0	0	0	56
Natural Mixed Pines	0	0	26	0	0	0	23	0	0	0	0	0	0	8	57
Planted Mixed Pines	0	123	0	0	0	0	0	0	0	0	0	0	0	0	123
Red Pine	0	0	0	0	0	0	0	0	0	80	0	0	0	0	80
Sand, Soil	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Treed Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Upland Conifers	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Upland Mixed Forest	0	0	0	0	0	0	23	0	0	4	0	0	0	47	73
White Pine	0	0	0	26	0	0	0	0	0	0	0	0	0	30	56
Total	184	358	146	26	83	0	54	0	0	182	5	0	0	121	1158



Table 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit
Year of Entry 2014

Compartment 155
Total Compartment Acres: 1158

Acres by Treatment Type

Commercial Harvest - 98	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
Jack Pine	18	0	0	0	0	0	18
Red Pine	0	0	0	0	80	0	80
Total	18	0	0	0	80	0	98

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



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	71155006-Cut	18.0	42220 - Natural Jack Pine	High Density Pole	42		Harvest	Clearcut	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> final harvest and manage for RP/Oak mix, no retention of scots pine, mark some oak to leave for mast <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Rx burn to reduce scots pine seed source, trench/plant RP <u>Proposed Start Date:</u> 10/01/2013										
8	71155008-Cut	61.7	42110 - Planted Red Pine	High Density Log	94	200+	Harvest	Low Thinning	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> Thin to 120-140 SF to improve quality of the stand, remove suppressed, defect, doubles, etc. first and then concentrate on marking to final <u>Specs:</u> desired density <u>Other Comments:</u> remove portions of stand relating to historical site from sale and keep equipment out of these areas, add ORV/SMT protection specs to the sale <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										
17	71155017-Cut	18.5	42110 - Planted Red Pine	High Density Log	96	141-170	Harvest	Low Thinning	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> Thin to 120 SF to improve the quality of the stand, remove suppressed, defect, doubles, etc. first and then concentrate on marking to final <u>Specs:</u> desired density <u>Other Comments:</u> thin MDOT RP with this stand?, add ORV/SMT protection specs to the sale <u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2013										
Total Treatment Acreage Proposed:		98.2								

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

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Error

Limiting Factor and No
Treatment Reason

Total Treatment
Acreage Proposed: 0

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: #Error

**Total Treatment
Acreage Proposed: 0**

Stand	Roscommon Mgt. Unit			5 – Forested Stands		Compartment: 155	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
1	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Sapling	33.7	15			cut 1996, planted 1997, mix of planted RP and natural JP/Oak regeneration
3	42200 - Natural White Pine	High Density Pole	25.9	32	81-110		WP released in 1994, possible thin next YOE
4	42120 - Planted Jack Pine	High Density Sapling	19.0	15			cut 1996, planted 1997
5	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	39.4	19			J3 planted 1993, scattered areas heavy to WP poles, some areas have planted RP
6	42220 - Natural Jack Pine	High Density Pole	18.0	42			mix of planted and natural JP/Scots P and natural RP/Oak, JP and SP declining but oak and RP doing OK but poor quality, heavy u.s. of scots pine in spots with moderate to heavy stocking of u.s. oak thru-out stand, stand is part of a 1997 sale which was never cut due to producer going bankrupt, KOTAR type is PArVHa/PVCd transition, plant to RP after sale is cut and manage for a mix of RP and oak,
8	42110 - Planted Red Pine	High Density Log	61.7	94	200+		planted RP in N-S rows, thinned at least once already in late 1990's, stand growing well but needs to be thinned again, recommend thinning to 120-140 SF/Acre to improve the quality of the stand, retain WP and Oak where possible for diversity
9	42220 - Natural Jack Pine	Medium Density	1.3	18			mix of natural J/A regeneration and RP poles/SL, growing very slow possibly due to soil compaction
10	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	4.5	107			RM with Balsam Fir, wet/soft soils, leave for visuals on US-127
11	42120 - Planted Jack Pine	High Density Sapling	79.5	19			JP planted in 1993, parts (esp. NW corner) have planted RP, parts heavy to J/R poles & Oak poles left from a 4" cut
12	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	19.2	Uneven Age			mishmash of upland and lowland, access is poor thru-out due to wet terrain and soft soils, stand is swamp conifers with a few higher islands of hardwoods, leave for visuals on old 27/US-127
13	42140 - Planted Mixed Pine	High Density Sapling	48.8	17			planted RP with natural J/O regeneration from cut in 1995, narrow 1/2 chain buffer or R/J/Oak poles between cut and freeway fence
15	42141 - Planted Mixed Pine, Mixed Deciduous	Medium Density	40.4	16			planted RP with natural J/O regeneration
16	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	39.8	15			cut 1994, planted to JP 1995
17	42110 - Planted Red Pine	High Density Log	18.5	96	141-170		R9 stand which was thinned by removing approx. every 3rd row in 2007, hold 10- years B4 thinning again or thin now with stand on the west side of US-127





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	4191 - Mixed Upland Deciduous with Conifer	Low Density Sapling	24.8	5		cut 2007, looks to have been trenched and or planted, further research indicates it was mistakenly trenched but not planted, middle is O3 with some pole-size trees, rest is PC/Oak stumps sprouts with nat. JP /RP regen, 1/2 chain of pole-size J/R/Oak between edge of cut and freeway fence which was left as a buffer
22	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	43.8	22		cut 1987 and JP planted 1990, scattered R/W pine poles
23	42120 - Planted Jack Pine	High Density Sapling	42.8	15		planted to JP in 1997 after 1995 cut
24	42250 - Pine, Oak	High Density Pole	26.1	23	51-80	appears to have been cut to 4" and regenerated in 1989 - no planting FTP found, youngest JP is 22 years old with older J/R/W pine and black oak approx. 10-20 years older, oldest trees are merchantable but still small, evaluate next YOE for possible treatment with some sort of intermediate cut or hold 20-30 years and final harvest & plant RP
25	42120 - Planted Jack Pine	High Density Sapling	39.2	22		JP lanted 1990, some JP almost pole-size, narrow 1/2 chain buffer of R/J/Oak poles between cut and freeway fence
27	42200 - Natural White Pine	Low Density Pole	29.9	Uneven Age	1-50	removed everything but WO and R/W pine in 2006 via shortwood operation, now stand is WO SL, WP poles, and O/A saplings
28	4319 - Mixed Upland Forest	High Density Log	7.3	68	141-170	stand is marginally operable transition zone between swamp to the south/west and upland to the north/east, access is limited by initially steep terrain on the north side and then wet/soft soils scattered thru-out stand - winter cut when frozen if treated
29	42120 - Planted Jack Pine	High Density Sapling	36.7	22		cut 1987, planted 1990 to JP
31	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	5.5	Uneven Age		soft/spongy soils with standing water in spots, lots of blowdown in spots
32	42120 - Planted Jack Pine	High Density Sapling	13.7	15		JP planted 1997 after 1995 cut, left narrow 1/2 chain buffer of R/J/Oak poles and SL between cut and freeway fence
34	42260 - Natural Pine, Mixed Deciduous	High Density Log	23.3	67	111-140	JP/Oak SL's and poles with nice WP u.s. of saps/poles, evaluate next YOE for possible thinning
35	429 - Mixed Upland Conifers	High Density Pole	7.8	68	111-140	WP poles with some overtopping HW/JP SL, also scattered WP XL, stand is cut by several drainages and there are numerous small potholes of "L" on the interior and edges of the stand, west end has 1 acre inclusion of R/W pine SL/XL, NW part has inclusion of RM & WB with WP u.s.
36	4310 - Pine, Oak Mix	High Density Pole	15.2	67		mix of JP/O SL and WP poles, WP/RM u.s. almost polesize, spots are heavy to oak u.s. also,hold for 10 years until RM/WP u.s. is merchantable and then fianl harvest and plant RP which should do good because of the high water table - treat with adjacent A6 and W6 stands in 2024



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
37	6120 - Lowland Cedar	High Density Pole	11.5	Uneven Age		NWC/BS/BF swamp, soft/wet soils with some standing water in spots
38	6124 - Lowland Spruce- Fir	High Density Pole	15.3	92		spruce-fir swamp with black spruce falling apart and BF coming in underneath
40	4131 - Aspen, Oak	High Density Pole	33.2	49		BTA clones separated by and interspersed with areas heavy to Oak and WP poles/saps, some spots are heavy to oak poles, should hold at least 10 more years with no problem
42	4310 - Pine, Oak Mix	High Density Log	3.6	92	1-50	island of dry upland ground with oaks and RM going towards WP, no access due to US-127 on west and lowland brush/marsh on east
43	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	31.3	40		RM/BTA just reaching pole-size, R/W pine is SL & XL size, habitat cut in 1972 but left R/W pine, u.s. has scattered areas of W3, middle and west part of stand is wetter with lots of wet runs and potholes, good stand to let grow for now as volumes will increase and it will function as visual buffer on freeway
44	6124 - Lowland Spruce- Fir	High Density Pole	82.9	92		large black spruce/cedar swamp which extends to the south into adjacent compartment
46	42260 - Natural Pine, Mixed Deciduous	High Density Log	8.1	Uneven Age		
47	4310 - Pine, Oak Mix	Medium Density Pole	47.1	Uneven Age	51-80	removed everything but WO & WP in 2006, now has at least 3 age classes, possibly thin out WP/WO next YOE, some intermediate cuts done in this stand in the early 1960's



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	6233 - Wet Meadow	2.4	No	Unspecified	
7	3105 - Mixed Upland Herbaceous	22.3	Planted	Jack Pine	planted to jack pine 5/09, lots of natural oak regeneration from stump sprouts and from seed, will be forested next YOE
14	622 - Lowland Shrub	3.9	N/A	Unspecified	
18	310 - Herbaceous Openland	2.3	N/A	Unspecified	
19	710 - Sand, Soil	4.5	N/A	Unspecified	
20	3102 - Grass	32.9	Planted	Jack Pine	planted to jack pine 5/09 lots of natural oak regen thru out stand also - both stump sprout and seedling, will be forested next YOE
26	3105 - Mixed Upland Herbaceous	2.4	Planted	Jack Pine	sandy area planted to JP in 5/09 to keep ORV 's out of bulk of the stand, mixed success with lots of ORV activity still, possible liability as public is starting to use this area as a shooting range adn it immediately adjacent to US-127 highway
30	6233 - Wet Meadow	1.4	N/A	Unspecified	
33	3105 - Mixed Upland Herbaceous	34.3	Planted	Jack Pine	planted to jack pine 5/09, lots of natural oak regen also, will be forested next YOE
39	622 - Lowland Shrub	8.0	N/A	Unspecified	
41	622 - Lowland Shrub	22.7	N/A	Unspecified	
45	622 - Lowland Shrub	8.2	N/A	Unspecified	
48	6224 - Treed Bog	9.0	No	Unspecified	treed Bog - slowly filling in with swamp conifers and swamp hardwoods
49	6233 - Wet Meadow	4.8	No	Unspecified	Old barrow pit for US-127, wet meadow with rim of planted JP



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
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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
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.