



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 188 ENTRY YEAR: 2013

Compartment Acreage: 1932 County: Ogemaw

Revision Date: 06-29-2011

Stand Examiner: Ben Wiese

Legal Description: T23N R01E sections 26, 27, 34, and 35
T22N R01E sections 2

Management Area: Ogemaw Hills

Management Goals: Provide for sustainable ecosystem based management including forest products, wildlife and recreation. Maintain healthy and diverse forested stands.

Soil and Topography: Surface soils include Graycalm, Klacking, Rubicon, Grayling, Menominee sand and Isabella and Montcalm loamy sand. Topography is hilly.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is bordered by state owned and private land.

Unique, Natural Features: None noted

Archeological, Historical, and Cultural Features: Known archeological sites in the west half of section 26.

Special Management Designations or Considerations: Stand 74 nominated as a special conservation area.

Watershed and Fisheries Considerations: None noted.

Wildlife Habitat Considerations: Deer, grouse, turkey, bear, birds.

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 200 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan Formation is quarried for gypsum elsewhere in the State. A gravel pit is located in Section 23 and potential is thought to be good. The Rose City Fields are located two miles to the northeast. The fields have produced over 9.3 million BO and 9.9 Bcf gas from the Devonian Richfield Formation and are in secondary recovery operations currently. The main field also produces from the Prairie du Chien, and has produced over 31 Bcf gas and 200,000 BO. None of the State land is currently leased in the compartment.

Vehicle Access: There is good access throughout the compartment utilizing county roads and various forest roads located along most quarter-quarter lines.

Survey Needs: None at this time

Recreational Facilities and Opportunities: Opportunities include hunting, dispersed camping, snowmobiling and ORV operating.

Fire Protection: Cover types include red pine, jack pine, mixed conifer, oak and mixed upland types.

Additional Compartment Information:

- **The following 5 reports from the Inventory System:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

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

Cover Type & Treatment Map

Legend

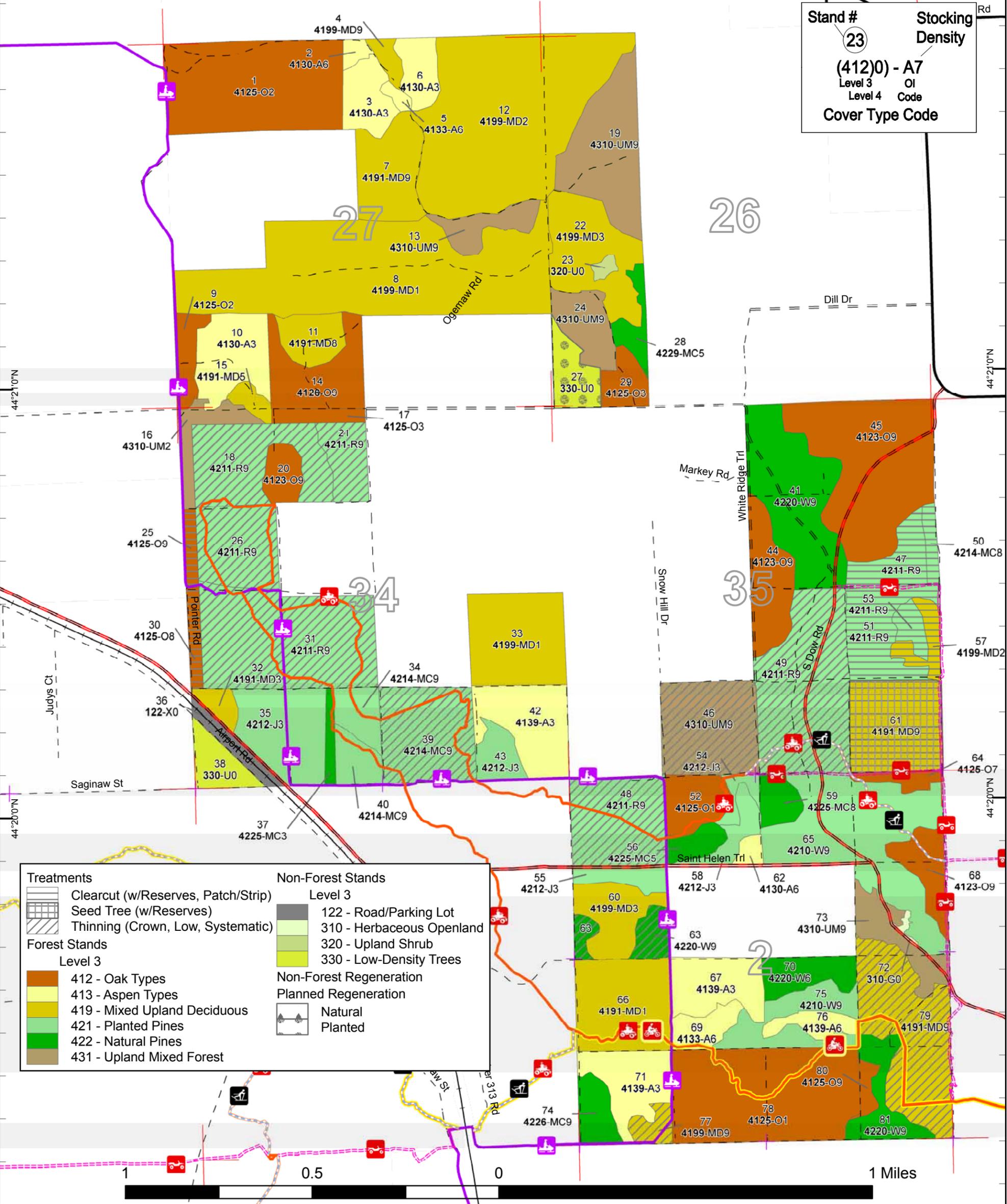
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Railroads
- Lakes and Rivers
- MCCCT Trails
- ORV Routes
- ORV Trails
- Ski Trails
- Snowmobile Trails
- MCCCT Trail
- ORV Route
- ORV Trail
- Ski Trail
- Snowmobile Trail
- State Forest Land

Compartment 188
 T22N, R01E, Sec. 2
 T23N, R01E, Sec. 26-27, 34-35
 County: Ogemaw
 Unit: Roscommon
 YOE: 2013
 Acres: 1,936 GIS Calculated
 Stand Examiner: Ben Wiese
 Map Revised: 8/15/2011
 Map Phase: Pre-Review

27 26
 34 35
 2

N

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



Treatments		Non-Forest Stands	
	Clearcut (w/Reserves, Patch/Strip)		Level 3
	Seed Tree (w/Reserves)		122 - Road/Parking Lot
	Thinning (Crown, Low, Systematic)		310 - Herbaceous Openland
Forest Stands			320 - Upland Shrub
Level 3			330 - Low-Density Trees
	412 - Oak Types	Non-Forest Regeneration	
	413 - Aspen Types		Natural
	419 - Mixed Upland Deciduous		Planted
	421 - Planted Pines	Planned Regeneration	
	422 - Natural Pines		
	431 - Upland Mixed Forest		



Stand Boundary Map

Compartment 188
 T22N, R01E, Sec. 2
 T23N, R01E, Sec. 26-27, 34-35
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Legend

- Miris Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Railroads
- MCCCT Trails
- ORV Routes
- ORV Trails
- Ski Trails
- Snowmobile Trails
- MCCCT Trail
- ORV Route
- ORV Trail
- Snowmobile Trail
- Ski Trail

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

Stand Boundaries

Forest Stands

Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest

Non-Forest Stands

Level 3

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees

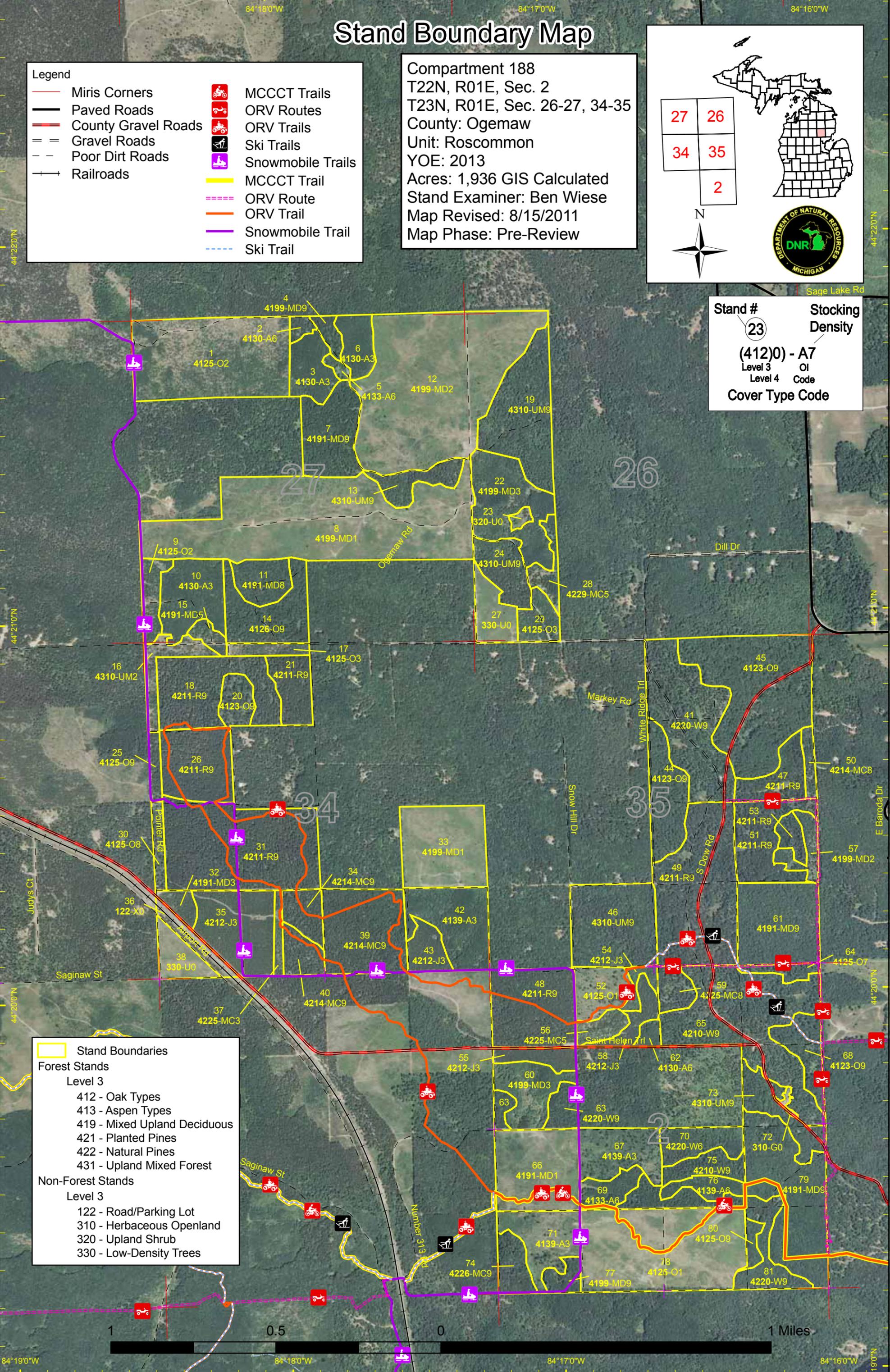


Table 1 – Total Acres by Cover Type and Age Class



	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 +		Unretn Age
Aspen	0	47	26	83	0	0	0	0	0	0	0	0	0	0	0	156
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Jack Pine	0	0	0	66	0	0	0	0	0	0	0	0	0	0	0	66
Low-Density Trees	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Mixed Upland Deciduous	0	338	0	74	0	0	14	0	0	0	77	57	0	0	0	559
Natural Mixed Pines	0	0	0	8	7	4	0	0	0	9	11	0	0	0	0	38
Oak	0	94	81	19	0	0	0	0	0	0	157	14	0	0	0	365
Planted Mixed Pines	0	0	0	0	0	0	0	0	61	0	5	0	0	0	0	66
Red Pine	0	0	0	0	0	0	0	0	55	143	120	0	0	0	0	317
Upland Mixed Forest	0	0	12	0	0	44	0	0	0	0	86	0	0	0	0	142
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
White Pine	0	0	0	0	0	0	0	0	0	141	49	0	0	0	0	191
Total	37	478	119	250	7	48	14	0	116	293	504	71	0	0	0	1936



Table 2 – Proposed Treatment Summaries

Roscommon Mgt. Unit
Year of Entry 2013

Compartment 188
Total Compartment Acres: 1936

Acres by Treatment Type

Commercial Harvest - 455	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 81	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Mixed Upland Deciduous	8	0	39	0	63	0	110
Oak	11	0	0	0	0	0	11
Planted Mixed Pines	5	0	0	0	41	0	46
Red Pine	47	0	0	0	269	0	317
Upland Mixed Forest	0	0	0	0	41	0	41
White Pine	0	0	0	0	11	0	11
Total	71	0	39	0	426	0	536

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

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
18 71188018-Cut	39.8	42110 - Planted Red Pine	High Density Log	78	Harvest	Low Thinning	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal

Prescription Light thinning to open the canopy around the better formed dominant trees. Low thin to a residual basal area of 90-110. Leave the largest crowned vigorous dominant and codominant trees.

Other ATV trail in southwest part of the stand. Consider leaving trees closest to the trail bed to prevent stumps from becoming a safety hazard.
Comments: Private ownership to the southwest.

Next Steps:

21 71188021-Cut	14.8	42110 - Planted Red Pine	High Density Log	79	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Low thinning to favor the best quality, large crowned, dominant and codominant trees; residual basal area of 90-110.

Specs:

Other Private ownership to the south and east.

Comments:

Next Steps:

25 71188025-Cut	4.7	4125 - Black, N. Pin Oak	High Density Log	97	Harvest	Clearcut with Reserves	3303 - Mixed Low Density Trees	Cmpt. Review Proposal
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Prescription Use as a landing for the harvest of the stands to the west. Clearcut with reserves leave some super canopy oak and conifer that is less than 4".

Specs:

Other

Comments:

Next Site prep. plant red pine.

Steps:

26 71188026-Cut	30.1	42110 - Planted Red Pine	High Density Log	76	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Thin from below to 90-110 basal area. Leave the best quality trees.

Specs:

Other ATV trail in the east and west part of the stand. Consider leaving trees closest to the trail bed to prevent stumps from becoming a safety hazard

Comments:

Next

Steps:

30 71188030-Cut	5.9	4125 - Black, N. Pin Oak	Medium Density Log	92	Harvest	Clearcut with Reserves	3303 - Mixed Low Density Trees	Cmpt. Review Proposal
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Prescription Use as a landing for the harvest of the stands to the west. Clearcut with reserves, leave some mature oak and conifer less than 4".

Specs:

Other

Comments:

Next Site prep, plant to red pine.

Steps:

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
31 71188031-Cut	77.4	42110 - Planted Red Pine	High Density Log	86	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Thin from below to 90-110 basal area. Leave the best formed, quality dominant and codominant trees.

Specs:

Other Comments: ATV trail in stand. Consider leaving trees closest to the trail bed to prevent stumps from becoming a safety hazard

Next Steps:

39 71188039-Cut	40.9	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	72	Harvest	Low Thinning	42141 - Planted Mixed Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Thin red pine from below. The rest of stand will be a combination of low thinning and selection to promote a mixed upland uneven-aged stand by removing suppressed and unhealthy trees. Select the best formed healthy trees to leave. Remove some oak and aspen to induce sprouting. Residual basal area should be 80-90.

Other Comments: ATV trail through stand. Consider leaving trees closest to the trail bed to prevent stumps from becoming a safety hazard

Next Steps:

46 71188046-Cut	41.4	4310 - Pine, Oak Mix	High Density Log	95	Harvest	Low Thinning	4310 - Pine, Oak Mix	Cmpt. Review Proposal
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Prescription Begin uneven-aged management, thin from below to 70-90 basal area depending on size and quality of residual stems. Manage for mixed upland. Remove most aspen, leave some for future snags and CWD. Leave the best formed, healthy trees. Try to leave single stem red maple. Leave some super canopy pine. Try to encourage oak regeneration via stump sprouts and from seed.

Other Comments:

Next Steps:

47 71188047-Cut	15.6	42110 - Planted Red Pine	High Density Log	93	Harvest	Clearcut with Reserves	3302 - Low Density Conifer Trees	Cmpt. Review Proposal
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Prescription Final harvest clearcut with reserves. Chip slash. Plant red pine.

Specs:

Other Comments:

Next Steps: Trench, plant red pine, site prep as needed. Area biologist recommends interplanting acorns.

48 71188048-Cut	39.0	42110 - Planted Red Pine	High Density Log	89	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Thin from below leave super canopy oak and red pine. Residual BA should be around 90-110. Leave the best formed dominant and codominant red pine. Leave well formed and healthy red maple and oak. Do not cut single stem red maple.

Other Comments: ATV trail through central part of stand. Consider leaving trees closest to the trail bed to prevent stumps from becoming a safety hazard

Next Steps:



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
49	71188049-Cut	68.4	42110 - Planted Red Pine	High Density Log	93	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription: Thin from below to a residual basal area of 70-90. Leave large, dominant, healthy trees

Specs:

Other Comments: ATV trail in south part of stand. Consider leaving trees closest to the trail bed to prevent stumps from becoming a safety hazard

Next Steps:

50	71188050-Cut	4.7	42140 - Planted Mixed Pine	Medium Density Log	93	Harvest	Clearcut with Reserves	3302 - Low Density Conifer Trees	Cmpt. Review Proposal
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Prescription: Final harvest, clearcut, plant red pine. Leave red pine saplings and some dominants for reserves. Chip slash.

Specs:

Other

Comments:

Next

Steps:

51	71188051-Cut	25.9	42110 - Planted Red Pine	High Density Log	86	Harvest	Clearcut with Reserves	3302 - Low Density Conifer Trees	Cmpt. Review Proposal
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Prescription: Final Harvest, clearcut with reserves. Chip slash.

Specs:

Other

Comments:

Next Steps: Trench, plant red pine, site prep as needed. Area biologist recommends interplanting acorns.

53	71188053-Cut	5.8	42110 - Planted Red Pine	High Density Log	93	Harvest	Clearcut with Reserves	3302 - Low Density Conifer Trees	Cmpt. Review Proposal
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Prescription: Final harvest, clearcut with reserves. Chip slash. Plant to red pine, site prep such as roller chopping may be necessary.

Specs:

Other

Comments:

Next Steps: Plant to red pine, site prep such as needed.

57	71188057-Cut	8.4	4199 - Other Mixed Upland Deciduous	Medium Density Saplin	25	Harvest	Clearcut with Reserves	3302 - Low Density Conifer Trees	Cmpt. Review Proposal
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Prescription: Final harvest. Clearcut with reserves, leave best oak and red maple saplings, and some large red pine. Chip slash.

Specs:

Other

Comments:

Next Steps: Plant red pine, site prep as needed.

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
61 71188061-Cut	39.1	4191 - Mixed Upland Deciduous with Conifer	High Density Log	93	Harvest	Seed Tree with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Seed tree with reserves. Manage for oak pine canopy. Leave super canopy red pine, dominant healthy oak, white pine of good health and form, and some aspen for snag and CWD. Do not cut single stem red maple. Protect already established understory.

Other Comments:

Next Steps:

63 71188063-Cut	11.2	42200 - Natural White Pine	High Density Log	92	Harvest	Low Thinning	42200 - Natural White Pine	Cmpt. Review Proposal
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Prescription Thin from below (heavy) to open crown, leave best dominants and some of the large oak and red maple. Residual basal area should be 80-100.

Other Comments:

Next Steps:

77 71188077-Cut	6.1	4199 - Other Mixed Upland Deciduous	High Density Log	92	Harvest	Low Thinning	4199 - Other Mixed Upland Deciduous	Cmpt. Review Proposal
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Prescription Remove aspen except for a few fo snags and CWD. Thin the rest of stand from below. Leave the best formed healthy dominant and co-dominant trees Promote mixed upland. residual basal area should be 80-100.

Other Comments:

Next Steps:

79 71188079-Cut	56.6	4191 - Mixed Upland Deciduous with Conifer	High Density Log	105	Harvest	Low Thinning	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
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Prescription Thin from below to begin uneven aged treatment. Promote mixed upland by leaving the best formed, healthy dominant and co-dominant trees. Try to grow quality "big" trees. Leave super canopy white pine. Residual basal area should be between 80-100 depending on the species and sized class. Cut aspen but leave a few for snag creation and CWD. Encourage oak stump sprouting. Try not to harvest quality single stem red maple.

Other Comments: Snowmobile trail through stand. Add protection specs to sale contract. Consider leaving trees closest to the trail bed to prevent stumps from becoming a safety hazard

Next Steps:

**Total Treatment
Acreage Proposed: 535.7**

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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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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: 188	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
1	4125 - Black, N. Pin Oak	Medium Density	74.5	17			Trace ammounts of RP, JP, and WP. Oak has regenerated well stump sprouts and some singal stems.
2	4130 - Aspen	High Density Pole	2.8	25			
3	4130 - Aspen	High Density Sapling	15.1	25			Black cherry low to mid canopy. Small openings with big bluestem. Witch Hazel thick on NE slope of ridge.
4	4199 - Other Mixed Upland Deciduous	High Density Log	4.3	92	111-140		Scattered super canopy red pine. Species composition mixed and variable. Stand is succeeding to WP and RM.
5	4133 - Aspen, Mixed Pine	High Density Pole	2.2	25			
6	4130 - Aspen	High Density Sapling	11.3	25			WP scattered throughout stand.
7	4191 - Mixed Upland Deciduous with Conifer	High Density Log	28.0	98	51-80		Looks like red maple was cut out of stand in the past. Heavy rm regen in understory, just reaching canopy. Ridge top was not cut. Scattered red oak.
8	4199 - Other Mixed Upland Deciduous	Low Density Sapling	132.8	5			Stand clearcut '05 and planted '09. Scattered pole size conifers left. Elevation increases from E to W. Cherry spp. less prevalent on hilltops and ridges.
9	4125 - Black, N. Pin Oak	Medium Density	9.8	23			Sparse pin oak and witch understory.
10	4130 - Aspen	High Density Sapling	26.5	13			Mostly northern pin oak on ridge tops.
11	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	13.5	50	111-140		Stand appears to be of natural succession. Scattered aspen mostly in north part. Monarch red pine, with patches of natural regen. Patches of mid canopy white pine.
12	4199 - Other Mixed Upland Deciduous	Medium Density	124.9	5			Stand is diverse with variable canopy and species composition. Red pine scattered throughout. Oak regen is from 6" seedlings to 6' stump sprouts. Scattered aspen clones. Open pockets of seidge. Portion of stand were trenched and planted to red pine.
13	4310 - Pine, Oak Mix	High Density Log	12.4	98	81-110		Stand looks lik retention from previous harvest, provides good buffer between stands 8 and 12. Red maple understory with variable density. Trace BTA.
14	4126 - White, Black, N. Pin Oak	High Density Log	27.3	92	81-110		Stand was thinned in '97. Residual oak looks good. Oak and red maple stump sprouts, Aspen regen in pockets. Trace white pine in understory.
15	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	4.5	25			Stand density is variable.



S t a n d	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 188	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
16	4310 - Pine, Oak Mix	Medium Density	11.9	16			Scattered super canopy red pine.
17	4125 - Black, N. Pin Oak	High Density Sapling	6.1	16			BTA scattered in little pockets. Very good red pine site.
18	42110 - Planted Red Pine	High Density Log	39.8	78	111-140		Stand healthy, canopy 1/3 to 1/2 of total height. Oak understory is dense throughout most of the stand. Stand was previously thinned, many dominants are crowded and need space to grow.
19	4310 - Pine, Oak Mix	High Density Log	43.6	46	81-110		Very mixed stand nice white pine and red maple. red pine and red maple understory, thick in places. Oak starting to senesce.
20	4123 - Red Oak	High Density Log	9.4	97	51-80		Harvested by "thinning in" 2007
21	42110 - Planted Red Pine	High Density Log	14.8	79	171-200		Pin oak scattered in understory, dense where canopy is open. Basal area is high. potential to harvest sawlogs and some utility poles. Diameter and height can be increased with the appropriate thinning.
22	4199 - Other Mixed Upland Deciduous	High Density Sapling	36.5	26			Some red maple, and pin oak stump sprouts entering pole class. Aspen thicker on east side of stand, red maple thicker on west side of stand. Red pine, white pine, and jack pine saplings present.
24	4310 - Pine, Oak Mix	High Density Log	16.3	90	111-140		
25	4125 - Black, N. Pin Oak	High Density Log	4.7	97	51-80		Upland with mature poor quality oak. Basal area is low. Good candidate to regenerate to mixed upland. Good road access.
26	42110 - Planted Red Pine	High Density Log	30.1	90	141-170		Black oak understory dense in north part of stand. Density and height of pine increases from the north to south.
28	42290 - Natural Mixed Pine	Medium Density Pole	7.8	26	51-80		Mixed pine stand with clones of BTA.
29	4125 - Black, N. Pin Oak	High Density Sapling	9.3	26			multi stemmed stump sprout pin oak and red maple.
30	4125 - Black, N. Pin Oak	Medium Density Log	5.9	92	51-80		BTA in north part of stand. Stand is poor quality oak. Good candidate to regenerate. Good road access.
31	42110 - Planted Red Pine	High Density Log	77.5	86	141-170		Nice red pine, Good site. Single stem red maple understory dense in NE part of stand.
32	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	5.5	24			
33	4199 - Other Mixed Upland Deciduous	Low Density Sapling	39.6	3			Clearcut in 2007, trenched 2010 and planted to red pine in 2011.



S t a n d	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 188	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
34	42140 - Planted Mixed Pine	High Density Log	10.7	76	51-80		Mature mixed conifer stand, unique to this compartment.
35	42120 - Planted Jack Pine	High Density Sapling	34.4	24			
37	42250 - Pine, Oak	High Density Sapling	4.3	40			
39	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	40.9	72	111-140		Nice stand could be managed for uneven-aged pine dominant. The dominant jack pine is healthy except for the suppressed which is dying,
40	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	9.7	76	51-80		Mature mixed conifer, unique to this compartment.
41	42200 - Natural White Pine	High Density Log	53.9	83	51-80		Red maple was removed in a previous harvest, now there is a dense red maple understory with many stump sprouts. Large super canopy white pine present, parts of stand are solid white pine.
42	4139 - Aspen, Mixed Deciduous	High Density Sapling	30.3	26			Super canopy red and white pine. Large aspen pockets.
43	42120 - Planted Jack Pine	High Density Sapling	10.1	24			
44	4123 - Red Oak	High Density Log	25.7	92	81-110		Stand was thinned from below, and red maple was removed. Stand is healthy.
45	4123 - Red Oak	High Density Log	74.6	92	111-140		Nice stand with quality red oak and some cherry, has been thinned; trace bigtooth aspen, ironwood and hemlock.
46	4310 - Pine, Oak Mix	High Density Log	41.2	95	141-170		Mature mixed upland. Pole to log sized red maple stump sprouts. Black oak is senescing.
47	42110 - Planted Red Pine	High Density Log	15.6	93	111-140		Looks like there were research plots in the past. White pine beginning to establish in the understory.
48	42110 - Planted Red Pine	High Density Log	39.1	89	141-170		Decent red pine stand with a mix of red maple and oak. Stand should be thinned.
49	42110 - Planted Red Pine	High Density Log	68.4	93	111-140		Nice stand, utility poles and saw logs, some areas have been pruned. Stand has been harvested within the past 10-20 years. Some areas were not thinned recently so basal area is high. Trees are smaller to the east and there is more bracken fern. Black oak and White pine understory to east and mostly red maple understory to west. Not a good stand to regenerate because of heavy maple understory. White pine, bigtooth aspen and jack pine also present in canopy.
50	42140 - Planted Mixed Pine	Medium Density Log	4.7	93	51-80		Final harvest, clearcut plant red pine. Leave saplings and some dominant red pine.



S t a n d	Roscommon Mgt. Unit			5 – Forested Stands		Compartment: 188	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
51	42110 - Planted Red Pine	High Density Log	25.9	86	111-140		Stand was harvested in 1996 by removing jack pine and red maple but red pine was not cut, There are openings with low residual basal area and pockets of high basal area. 20-30 acres along road that could be thinned, the rest of the stand to the east could be final harvested and planted to red pine along with several other stands.
52	4125 - Black, N. Pin Oak	Low Density Sapling	15.0	4			Stand was clearcut in 2007. White pine and white oak were left but make up less than 25% of the canopy. Trace scots pine was left and is regenerating. Regeneration is adequate oak seedlings are in the 3-5' range.
53	42110 - Planted Red Pine	High Density Log	5.8	93	81-110		Scattered super canopy red pine monarchs.
54	42120 - Planted Jack Pine	High Density Sapling	4.6	25			
55	42120 - Planted Jack Pine	High Density Sapling	8.6	25			
56	42250 - Pine, Oak	Medium Density Pole	7.2	35			Trace scots pine.
57	4199 - Other Mixed Upland Deciduous	Medium Density	7.4	25			Aspen is concentrated to the north, more oak to the south.
58	42120 - Planted Jack Pine	High Density Sapling	8.5	25			
59	42250 - Pine, Oak	Medium Density Log	8.5	83	1-50		Stand was harvested in 2006, most of the oak was removed and white pine was left.
60	4199 - Other Mixed Upland Deciduous	High Density Sapling	20.3	25			
61	4191 - Mixed Upland Deciduous with Conifer	High Density Log	38.3	93	111-140		Stand was planted to white pine in 1918. A large portion of canopy species are mixed oak and aspen. Super canopy red pine are present white pine regen is dense in places.
62	4130 - Aspen	High Density Pole	2.9	26			
63	42200 - Natural White Pine	High Density Log	11.2	92	111-140		Nice multi part, stand manage for large late seral white pine with red maple and white pine understory. CWD present. Red maple saplings in understory.
64	4125 - Black, N. Pin Oak	Low Density Log	5.4	92	1-50		Stand has been harvested, looks like shelterwood or a heavy thinning in the last entry.
65	42100 - Planted White Pine	High Density Log	71.3	84	81-110		Stand was harvested by removing the red maple, aspen and oak. White pine was left.



S t a n d	Roscommon Mgt. Unit		5 – Forested Stands			Compartment: 188	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
66	4191 - Mixed Upland Deciduous with Conifer	Low Density Sapling	40.2	7			Red pine planted in 2007.
67	4139 - Aspen, Mixed Deciduous	High Density Sapling	23.9	5			Stand was clearcut in 2006. White pine was left, looks like a seed tree. Dense red maple and aspen regen.
68	4123 - Red Oak	High Density Log	14.3	102	51-80		Stand has been thinned, residual trees are healthy. Red maple understory is dense in places. BA still low.
69	4133 - Aspen, Mixed Pine	High Density Pole	10.1	27			Stand was clearcut in 1984.
70	42200 - Natural White Pine	High Density Pole	15.2	92	81-110		Stand was harvested by removing the red maple.
71	4139 - Aspen, Mixed Deciduous	High Density Sapling	23.1	5			Stand was final harvested in 2006. Aspen is heavier to the north and west part of stand.
73	4310 - Pine, Oak Mix	High Density Log	16.5	91	111-140		White pine planted in 1920. Pocket of oak located in NW part of stand.
74	42260 - Natural Pine, Mixed Deciduous	High Density Log	10.7	92	111-140		Nice remnant white pine stand. Trace large red pine. CWD some large standing dead trees.
75	42100 - Planted White Pine	High Density Log	22.6	90	51-80		Planted in 1921. Looks like all species except white were removed. Aspen clones in scattered pockets, some is reaching into the canopy. Skid trails throughout stand.
76	4139 - Aspen, Mixed Deciduous	High Density Pole	8.0	27	81-110		Stand was clearcut in 1984. Cherry in understory is dying.
77	4199 - Other Mixed Upland Deciduous	High Density Log	6.1	92	111-140		Decent quality stand. Aspen is senescing.
78	4125 - Black, N. Pin Oak	Low Density Sapling	78.7	5			Stand planted to red pine in 2006, currently less than 2' tall so red pine cover type does not show up in inventory.
79	4191 - Mixed Upland Deciduous with Conifer	High Density Log	56.6	105	111-140		Nice mature stand on a good site. BTA starting to senesce. White pine mostly in north part of stand. BTA and white pine are not evenly distributed. Nice red oak scattered throughout stand. Scattered fire scarred white pine stumps. Stand is healthy. The dominant oaks show good growth in the last few years. ATV trail present.
80	4125 - Black, N. Pin Oak	High Density Log	3.8	92	141-170		Small healthy stand.
81	42200 - Natural White Pine	High Density Log	16.3	87	81-110		





Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
23	3201 - Sweet Fern	1.9	No	Unspecified	
27	3301 - Low Density Deciduous Tree	13.7	Planted	Red Pine	
36	122 - Road/Parking Lot	8.0	No	Unspecified	
38	3301 - Low Density Deciduous Tree	11.8	No	Jack Pine	Stand was planted to jack pine. Less than 3 feet tall.
72	3102 - Grass	1.2	No	Unspecified	Old foundation present. Knapweed.



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



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
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.