

CADILLAC FOREST MANAGEMENT UNIT



COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 107 ENTRY YEAR: 2012

Compartment Acreage (GIS Acres): 1593 County: Missaukee

Revision Date: 10/11/2010 10:38 AM

Stand Examiner: Steven Eisele, Forest Technician

Legal Description: T21N, R6W, Sections 11, 14, 23, 26, 35.

RMU (if applicable): 230

Management Goals: Maintain species and age class diversity.

Soil and Topography: Mostly Rubicon and Croswell sands. Terrain is mostly level.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Private parcels are scattered through out the compartment. There are full time residences, as well as seasonal cabins around Dyer Lake. Michigan Gas Storage Company has a gas storage field in section 35. Fields in section 26 are tilled and planted every year by local farmer.

Unique, Natural Features (include only non-site specific and non-sensitive information):

35	Historical wood turtle* record from Clam River (SW 1/4 of sections 26 and 35); additional wood turtle record to NE. Historical slippershell mussel* occurrence from Clam River (SW 1/4 of sections 26 and 35); another record to W. Kirtland's warbler documented to immediate SE. Bald eagle recorded to E. Grasshopper sparrow recorded to W. Secretive locust recorded to E. Elktoe mussel about 0.75 mile to W from Clam River.
	Hill's thistle record to SE. Ginseng documented to SE.
	Potential for red-shouldered hawk and northern goshawk. Potential for great blue heron rookery. Potential for Kirtland's warbler and prairie warbler in young jack pine. Potential for Blanding's turtle, eastern massasauga, and wood turtle. Potential for dusted skipper, grizzled skipper, and red-legged spittlebug in grassy openings and young jack pine. Potential for secretive locust.
	Potential for dry prairie plants in grassy openings: Hill's thistle, rough fescue, Alleghany plum, and pale agoseris.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): Possible Woodland Indian earthwork in the area.

Special Management Designations or Considerations: Timber Intensive. Maintain cover types and age class diversity.

Watershed and Fisheries Considerations: Clam River in SW1/4 of section 35.

Wildlife Habitat Considerations: Comp. 107 - Featured wildlife species are deer, ruffed grouse, woodcock, bear, and bobcat. Wildlife habitat objectives are to continue to maintain species and age class diversity across the compartment. (L Smith, 9/24/10)

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 600 and 800 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw is quarried for clay/shale in other parts of the State. Gravel pits are located inside the compartment and surrounding the compartment and potential is considered to be good. Section 35 is part of Cranberry Lake Field. The field is a Stray Sandstone gas storage area (7.7 Bcf) and a Richfield secondary recovery operation (1.7 MBO). All state lands are leased for oil and gas development, or are nominated for the May 2010 auction. Section 26 and 35 also are leased for Underground Gas Storage.

Vehicle Access: A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR. Also indicated are forest roads and trails under the jurisdiction of the DNR that are proposed for abandonment. These roads were determined to be in excess of the access needs in the area, are a threat to the resources, or are a concern environmentally.

Proposed new roads or roads recommended for substantial improvement are noted below:

Survey Needs: Internal corners needed in sections 14, 23 and 35.

Recreational Facilities and Opportunities: Hunting, fishing and snowmobiling are the main recreation activities in this compartment. There are no designated trails. Dispersed fishing on Dyer Lake and Clam river.

Fire Protection: Initial attack within this compartment is from the Houghton Lake Field Office. There are “no plow” zones located within this compartment. Areas of urban interface concerns occur on the private lands within the compartment boundaries. Access for suppression equipment would be fairly good. Response times could add to the potential for large fire growth. 10-6-10/BRA

Additional Compartment Information:

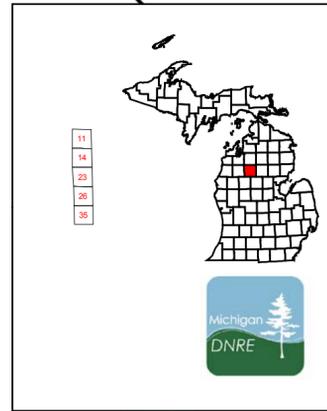
The following parcels are recommended for acquisition if they become available for sale:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **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**

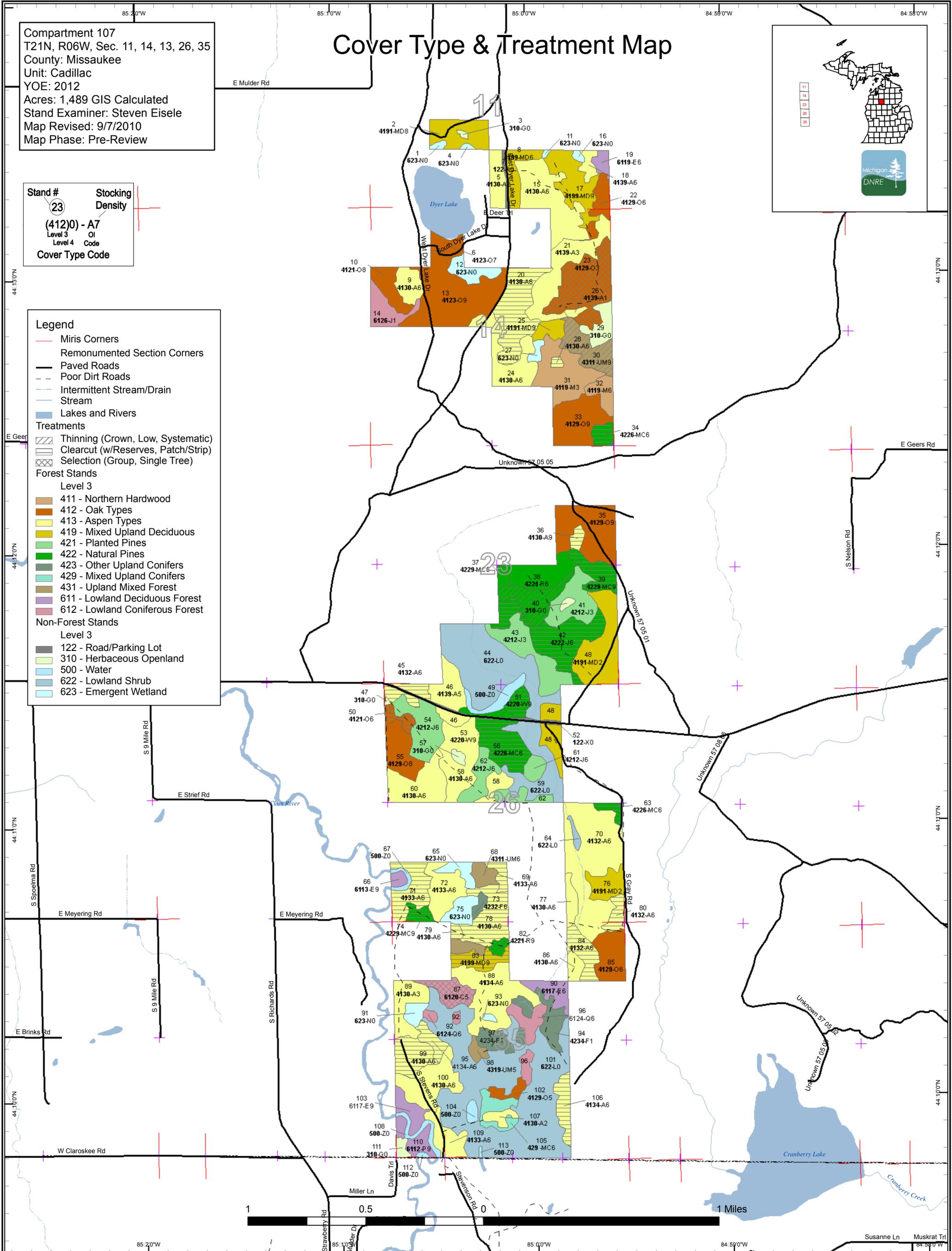
Cover Type & Treatment Map

Compartment 107
 T21N, R06W, Sec. 11, 14, 13, 26, 35
 County: Missaukee
 Unit: Cadillac
 YOE: 2012
 Acres: 1,489 GIS Calculated
 Stand Examiner: Steven Eisele
 Map Revised: 9/7/2010
 Map Phase: Pre-Review



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

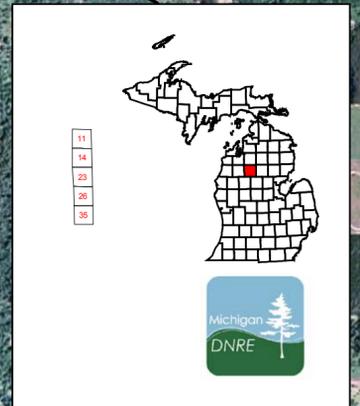
- Legend**
- Miris Corners
 - Remonumented Section Corners
 - Paved Roads
 - Poor Dirt Roads
 - Intermittent Stream/Drain
 - Stream
 - Lakes and Rivers
- Treatments**
- Thinning (Crown, Low, Systematic)
 - Clearcut (w/Reserves, Patch/Strip)
 - Selection (Group, Single Tree)
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 122 - Road/Parking Lot
 - 310 - Herbaceous Openland
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland



Susanne Ln Muskrat Trl

Compartment 107
 T21N, R06W, Sec. 11, 14, 13, 26, 35
 County: Missaukee
 Unit: Cadillac
 YOE: 2012
 Acres: 1,489 GIS Calculated
 Stand Examiner: Steven Eisele
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Stand Boundary Map



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

- Legend**
- Miris Corners
 - Remonumented Section Corners
 - Paved Roads
 - - Poor Dirt Roads
 - - Intermittent Stream/Drain
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 - Lakes and Rivers
 - Stand Boundaries
- Forest Stands**
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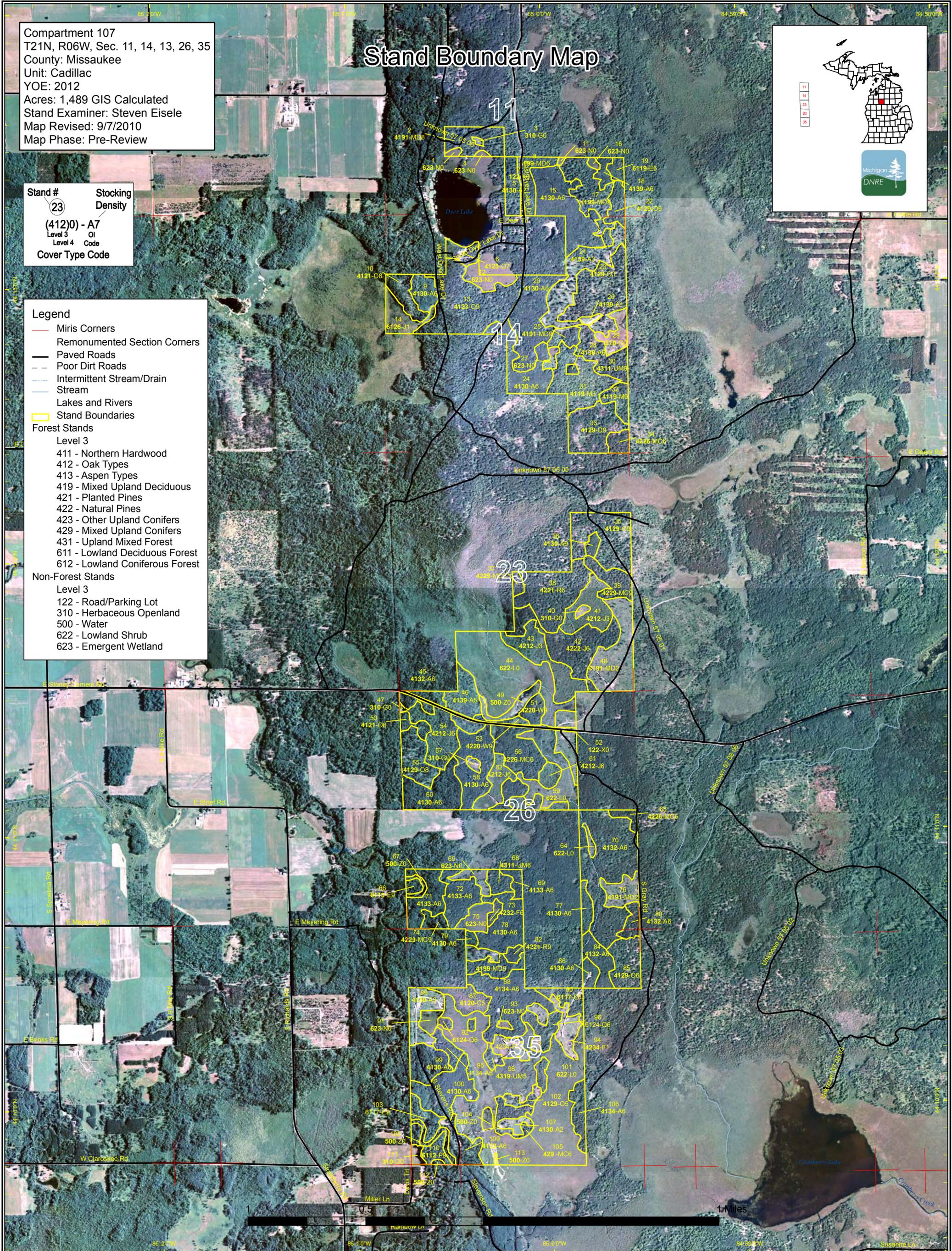


Table 1 – Total Acres by Cover Type and Age Class

Data updated yesterday after 6:00 PM



	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 +		Uneven Age
Aspen	0	48	98	74	6	101	146	20	0	0	0	0	0	0	0	493
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
Herbaceous Openland	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Jack Pine	0	0	79	0	0	34	0	0	0	0	0	0	0	0	17	130
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15
Lowland Deciduous	0	0	0	0	4	0	0	0	3	0	0	0	0	0	17	23
Lowland Shrub	225	0	0	0	0	0	0	0	0	0	0	0	0	0	0	225
Marsh	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Mixed Upland Deciduous	0	53	0	0	0	0	0	0	0	10	0	0	0	0	55	118
Natural Mixed Pines	0	0	0	0	0	4	0	0	0	0	0	0	0	0	46	50
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	35
Oak	0	0	0	0	0	0	4	0	0	7	0	0	0	0	201	212
Red Pine	0	0	0	0	0	0	0	0	0	3	0	0	0	0	35	37
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9
Upland Mixed Forest	0	5	0	0	0	3	0	0	0	0	0	0	0	0	23	31
Upland Spruce/Fir	0	22	0	0	0	0	0	0	0	0	0	0	0	0	2	24
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Water	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9
Total	299	127	177	74	9	142	151	20	11	20	0	0	0	0	475	1505



Table 2 – Proposed Treatment Summaries

Data updated yesterday after 6:00 PM

Cadillac Mgt. Unit
Year of Entry 2012

Compartment 107
Total Compartment Acres: 1505

Acres by Treatment Type

Commercial Harvest - 337	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
Aspen	151	0	0	0	0	0	151
Cedar	0	10	0	0	0	0	10
Jack Pine	34	0	0	0	0	0	34
Mixed Upland Deciduous	10	0	0	0	0	0	10
Natural Mixed Pines	47	0	0	0	0	0	47
Oak	5	37	0	0	0	0	41
Red Pine	0	0	0	0	20	0	20
Upland Mixed Forest	0	0	0	0	17	0	17
White Pine	6	0	0	0	0	0	6
Total	253	47	0	0	37	0	337

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Data updated yesterday after 6:00 PM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
20 63107020-Cut	33.1	4130 - Aspen	High Density Pole	47	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal

Prescription clearcut with reserves, leave oakSpecs:OtherComments:NextSteps:

23 63107023-Cut	36.7	4129 - Mixed Oak	High Density Sapling	80	Harvest	Single Tree Selection	Mixed Oak	Cmpt. Review Proposal
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Prescription Salvage dead oakSpecs:OtherComments:Next

Monitor regen.

Steps:

28 63107028-Cut	1.2	4130 - Aspen	High Density Pole	48	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal
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Prescription clearcut with reserves, leave oakSpecs:OtherComments:Next

monitor regen

Steps:

30 63107030-Cut	17.4	4311 - Pine, Aspen Mix	High Density Log	80	Harvest	Crown Thinning	Pine, Aspen Mix	Cmpt. Review Proposal
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Prescription Do an overstory removal. Harvest all log size oak, red pine and white pine. Take all aspen and jack pineSpecs:OtherComments:Next

Monitor regen.

Steps:

34 63107034-Cut	5.3	42260 - Natural Pine, Mixed Deciduous	High Density Pole	55	Harvest	Clearcut with Reserves	Natural Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Clearcut with reserves. Leave live oak and red pineSpecs:OtherComments:NextSteps:

36 63107036-Cut	3.0	4130 - Aspen	High Density Log	55	Harvest	Clearcut	Aspen	Cmpt. Review Proposal
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Prescription Final harvest with no retention to promote better sprouting.Specs:OtherComments:NextSteps:

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Data updated yesterday after 6:00 PM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
38 63107038_cut-Cut	17.0	42210 - Natural Red Pine	High Density Pole	55	Harvest	Crown Thinning	Natural Red Pine	Cmpt. Review Proposal

Prescription Remove all pine and oak over 10 inches DBHSpecs:OtherComments:NextSteps:

39 63107039-Cut	12.4	42290 - Natural Mixed Pine	High Density Log	55	Harvest	Clearcut with Reserves	Natural Red Pine	Cmpt. Review Proposal
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Prescription Remove all jack pine and white pine. Leave all red pine and 10 to 20 basal areal of oak.Specs:OtherComments:Next

Monitor regen. Alternative species acceptable are a mix of pine, and oak. Plant red pine if no natural in allotted time.

Steps:

42 63107042-Cut	34.3	42220 - Natural Jack Pine	High Density Pole	45	Harvest	Clearcut	Natural Jack Pine	Cmpt. Review Proposal
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Prescription Final harvest. Have logger scarify during harvest.Specs:Other

Mark some oak green to leave for mast and retention

Comments:Next

A mix of pine and oak acceptable. Plant jack pine if no natural in allotted time.

Steps:

45 63107045-Cut	7.5	4132 - Aspen, Jack Pine	High Density Pole	55	Harvest	Clearcut with Reserves	Aspen, Jack Pine	Cmpt. Review Proposal
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Prescription clearcut with reserves, leave oak less than 6 inches DBHSpecs:OtherComments:Next

Monitor regen

Steps:

50 63107050-Cut	4.5	4121 - Oak, Aspen	High Density Pole	85	Harvest	Clearcut with Reserves	Oak, Aspen	Cmpt. Review Proposal
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Prescription clearcut with reserves. Leave oak less than 6 inches DBHSpecs:Other

Small acreage

Comments:NextSteps:

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Data updated yesterday after 6:00 PM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
51 63107051-Cut	6.1	42200 - Natural White Pine	High Density Log	60	Harvest	Clearcut with Reserves	Natural Mixed Pine	Cmpt. Review Proposal

Prescription Diameter limit cut. Take all aspen and all pine over 10 inches DBH

Specs:

Other A mix of pine and aspen acceptable.

Comments:

Next Monitor regen. Plant red and jack if no natural in allotted time.

Steps:

56 63107056-Cut	21.7	42260 - Natural Pine, Mixed Deciduous	High Density Pole	47	Harvest	Clearcut with Reserves	Natural Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Final harvest with reserves. Leave oak less than 6 inch DBH. Leave edge areas along wet.

Specs:

Other A mix of pine and deciduous acceptable

Comments:

Next Monitor regen. Consider planting jack pine if no natural in allotted time.

Steps:

60 63107060cut-Cut	14.5	4130 - Aspen	High Density Pole	55	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal - Incomplete
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Prescription clearcut with reserves. Leave some mast oak

Specs:

Other

Comments:

Next

Steps:

63 63107063-Cut	3.5	42260 - Natural Pine, Mixed Deciduous	High Density Pole	45	Harvest	Clearcut with Reserves	Natural Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Clearcut with reserves. Leave some mast oak

Specs:

Other A mix of pine and oak acceptable

Comments:

Next Monitor regen. Plant jack pine if no natural in allotted time.

Steps:

69 63107069-Cut	4.1	4133 - Aspen, Mixed Pine	High Density Pole	50	Harvest	Clearcut with Reserves	Aspen, Mixed Pine	Cmpt. Review Proposal
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Prescription Clear cut with reserves. Leave oak less than 6 inches DBH. Mark some mast oak to leave

Specs:

Other

Comments:

Next

Steps:

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Data updated yesterday after 6:00 PM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
71 63107071-Cut	17.1	4133 - Aspen, Mixed Pine	High Density Pole	45	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal

Prescription Final harvest. Leave some oakSpecs:OtherComments:NextSteps:

74 63107074-Cut	4.3	42290 - Natural Mixed Pine	High Density Log	90	Harvest	Clearcut with Reserves	Natural Mixed Pine	Cmpt. Review Proposal
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Prescription Overstory removal of all species over 10 inch DBHSpecs:OtherComments:NextSteps:

78 63107078-Cut	21.9	4130 - Aspen	High Density Pole	56	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal
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Prescription clearcut with reserves, leave oakSpecs:OtherComments:NextSteps:

79 63107079-Cut	1.8	4130 - Aspen	High Density Pole	55	Harvest	Clearcut	Aspen	Cmpt. Review Proposal
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Prescription Final harvest, no reserves to promote sprouting.Specs:Other

Small acreage

Comments:NextSteps:

80 63107080-Cut	5.9	4130 - Aspen	High Density Pole	50	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal
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Prescription Clearcut with reserves. Mark some oak to leaveSpecs:OtherComments:NextSteps:

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Data updated yesterday after 6:00 PM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
82 63107082-Cut	2.8	42210 - Natural Red Pine	High Density Log	87	Harvest	Crown Thinning	Natural Red Pine	Cmpt. Review Proposal

Prescription Thin red pine to approx 50 basal area. Remove all aspen and maple

Specs:

Other

Comments:

Next

Monitor regen.

Steps:

83 63107083-Cut	9.5	4129 - Mixed Oak	High Density Log	85	Harvest	Clearcut with Reserves	Oak, Pine	Cmpt. Review Proposal
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Prescription Clear cut with reserves. Leave oak less than 8 inch DBH

Specs:

Other

Comments:

Next

Steps:

84 63107084-Cut	11.3	4132 - Aspen, Jack Pine	High Density Pole	50	Harvest	Clearcut with Reserves	Aspen, Jack Pine	Cmpt. Review Proposal
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Prescription Clearcut with reserve. Leave oak

Specs:

Other

Comments:

Next

Steps:

87 63107087-Cut	10.5	6120 - Lowland Cedar	Medium Density Pole	70	Harvest	Group Selection	Lowland Cedar	Cmpt. Review Proposal
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Prescription Salvage dead cedar. Winter cut.

Specs:

Other

Do a negotiated sale of dead cedar.

Comments:

Next

Steps:

95 63107095-Cut	6.0	4134 - Aspen, Spruce/Fir	High Density Pole	60	Harvest	Clearcut with Reserves	Aspen, Spruce/Fir	Cmpt. Review Proposal
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Prescription Clearcut with reserves. Leave oak less than 6 inches.

Specs:

Other

Comments:

Next

Steps:

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Data updated yesterday after 6:00 PM

	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
99	63107099-Cut	14.4	4130 - Aspen	High Density Pole	60	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal

Prescription Clear cut with reserves. Leave oak

Specs:

Other

Comments:

Next Monitor regen.

Steps:

106	63107106-Cut	9.3	4134 - Aspen, Spruce/Fir	High Density Pole	50	Harvest	Clearcut with Reserves	Aspen, Spruce/Fir	Cmpt. Review Proposal
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Prescription Clear cut with reserves. Leave oak and wet edges

Specs:

Other

Comments:

Next

Steps:

**Total Treatment
Acreage Proposed: 337.1**

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Data updated yesterday after 6:00 PM

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
Acres Proposed: 0

Data updated yesterday after 6:00 PM

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

Year of Entry: 2012



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
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**



Data updated yesterday after 6:00 PM

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	17.4	Uneven Age	51-80	this stand has had aspen and maple removed as well as dead oak now oak log size trees over good subcanopy of aspen and maple
5	4130 - Aspen	Medium Density	9.8	13		
6	4123 - Red Oak	Low Density Log	6.8	85	1-50	lake access oak has been salvaged due to oak wilt
8	4199 - Other Mixed Upland Deciduous	High Density Pole	10.2	80	51-80	corridor along road near private residences
9	4130 - Aspen	High Density Pole	9.1	18		
10	4121 - Oak, Aspen	Medium Density Log	10.5	Uneven Age	51-80	oak mortality
13	4123 - Red Oak	High Density Log	50.1	Uneven Age	51-80	treated last year of entry with a salvage treat next year of entry
14	6126 - Lowland Jack Pine	Low Density Sapling	11.4	10		Stand swapped from Non-Forested to Forested. wet marsh area filling in with jack pine and tamarack
15	4130 - Aspen	High Density Pole	35.4	28		
17	4199 - Other Mixed Upland Deciduous	High Density Log	21.8	Uneven Age	1-50	treated last year of entry mast oak over aspen maple
18	4139 - Aspen, Mixed Deciduous	High Density Pole	4.2	28		
19	6119 - Mixed Lowland Deciduous Forest	High Density Pole	3.7	30		wet
20	4130 - Aspen	High Density Pole	33.1	47		
21	4139 - Aspen, Mixed Deciduous	High Density Sapling	27.9	7		treated last year of entry some mast oak and log size red pine left scattered throughout
22	4129 - Mixed Oak	High Density Pole	9.0	Uneven Age		
23	4129 - Mixed Oak	High Density Sapling	36.7	Uneven Age	51-80	this stand was treated last year of entry as a seed tree cut
24	4130 - Aspen	High Density Pole	21.8	18		
25	4191 - Mixed Upland Deciduous with Conifer	High Density Log	5.9	Uneven Age	81-110	small acreage has been cut all around it leave as a retention stand

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Cadillac Mgt. Unit

5 – Forested Stands

Compartment: 107
Year of Entry: 2012

Data updated yesterday after 6:00 PM

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	4139 - Aspen, Mixed Deciduous	Low Density Sapling	1.5	7		this was the landing area from previous sale starting to fill in
28	4130 - Aspen	High Density Pole	1.2	48		small acreage
30	4311 - Pine, Aspen Mix	High Density Log	17.4	Uneven Age	51-80	
31	4119 - Mixed Northern Hardwoods	High Density Sapling	27.5	Uneven Age		good regen from previous sale
32	4119 - Mixed Northern Hardwoods	High Density Pole	7.8	Uneven Age	1-50	
33	4129 - Mixed Oak	High Density Log	25.0	Uneven Age	51-80	
34	42260 - Natural Pine, Mixed Deciduous	High Density Pole	5.3	Uneven Age	81-110	
35	4129 - Mixed Oak	High Density Log	32.6	Uneven Age	1-50	salvage sale of dead oak last year of entry good regen getting established
36	4130 - Aspen	High Density Log	3.0	55		
37	42290 - Natural Mixed Pine	Medium Density Pole	2.6	Uneven Age		wet
38	42210 - Natural Red Pine	High Density Pole	34.7	Uneven Age	51-80	
39	42290 - Natural Mixed Pine	High Density Log	12.4	Uneven Age	51-80	
41	42120 - Planted Jack Pine	High Density Sapling	18.4	16		trenched and seeded
42	42220 - Natural Jack Pine	High Density Pole	34.3	45		remove jack and oak, nat regen
43	42120 - Planted Jack Pine	High Density Sapling	23.2	16		trenched and seeded
45	4132 - Aspen, Jack Pine	High Density Pole	7.5	55		establish private boundary
46	4139 - Aspen, Mixed Deciduous	Medium Density Pole	17.4	16		came back patchy oak being browsed
48	4191 - Mixed Upland Deciduous with Conifer	Medium Density	42.5	6		treated last year of entry good regen scattered log size red and jack left

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Cadillac Mgt. Unit

5 – Forested Stands

Compartment: 107
Year of Entry: 2012

Data updated yesterday after 6:00 PM

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
50	4121 - Oak, Aspen	High Density Pole	4.5	Uneven Age	51-80	small acreage
51	42200 - Natural White Pine	High Density Log	6.1	Uneven Age	51-80	
53	42200 - Natural White Pine	High Density Log	2.9	Uneven Age		narrow strip along stoney corners road leave as buffer
54	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	20.7	16		seeded trenches
55	4129 - Mixed Oak	Medium Density Log	16.1	Uneven Age	51-80	select cut last year of entry log size oak over aspen maple regen
56	42260 - Natural Pine, Mixed Deciduous	High Density Pole	21.7	Uneven Age		
58	4130 - Aspen	High Density Pole	32.2	47		aspen is healthy and will hold
60	4130 - Aspen	High Density Pole	22.6	55		healthy aspen
61	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	5.1	16		trenched and seeded
62	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	17.3	Uneven Age		trenched and seeded
63	42260 - Natural Pine, Mixed Deciduous	High Density Pole	3.5	45	51-80	establish private boundary
66	6113 - Lowland Maple	High Density Log	2.5	70		no access due to river
68	4311 - Pine, Aspen Mix	High Density Pole	5.7	Uneven Age		
69	4133 - Aspen, Mixed Pine	High Density Pole	4.1	50		more oak and white pine than stand 80
70	4132 - Aspen, Jack Pine	High Density Pole	58.8	50		
71	4133 - Aspen, Mixed Pine	High Density Pole	17.1	45		
72	4133 - Aspen, Mixed Pine	High Density Pole	17.0	45		
73	42320 - Upland Spruce	High Density Pole	2.4	Uneven Age		deer yard wet



Data updated yesterday after 6:00 PM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
74	42290 - Natural Mixed Pine	High Density Log	4.3	Uneven Age	81-110	wet areas remove no trespassing signs
76	4191 - Mixed Upland Deciduous with Conifer	Medium Density	10.3	6		final harvested last year of entry good regen
77	4130 - Aspen	High Density Pole	5.6	30		
78	4130 - Aspen	High Density Pole	21.9	56		
79	4130 - Aspen	High Density Pole	1.8	55		
80	4132 - Aspen, Jack Pine	High Density Pole	5.9	50		variety of diameters
81	4319 - Mixed Upland Forest	Medium Density	4.5	8		Treated last time. Aspen, red maple regen with residual red pine and oak.
82	42210 - Natural Red Pine	High Density Log	2.8	87	51-80	
83	4199 - Other Mixed Upland Deciduous	High Density Log	9.5	Uneven Age	81-110	Final harvest with reserves. Leave oak less than 8 inch DBH
84	4132 - Aspen, Jack Pine	High Density Pole	11.3	50		New stand added.
85	4129 - Mixed Oak	High Density Pole	16.4	Uneven Age		scrubby oak mix
86	4130 - Aspen	High Density Pole	4.5	15		oil pad in stand
87	6120 - Lowland Cedar	Medium Density Pole	10.5	Uneven Age		large areas of dead and dying standing cedar
88	4134 - Aspen, Spruce/Fir	High Density Pole	34.8	28		
89	4130 - Aspen	High Density Sapling	14.6	7		
90	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	8.9	Uneven Age		wet areas
92	6124 - Lowland Spruce-Fir	High Density Pole	2.6	Uneven Age		isolated islands
94	42340 - Upland Spruce/Fir	Low Density Sapling	14.5	7		swamp conifer cut last year of entry very little regen so far except except spruce and fir

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Cadillac Mgt. Unit

5 – Forested Stands

Compartment: 107

Data updated yesterday after 6:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
95	4134 - Aspen, Spruce/Fir	High Density Pole	6.0	60		wet on edges
96	6124 - Lowland Spruce- Fir	High Density Pole	12.4	Uneven Age	1-50	wet islands and fingers among the lowland shrub
97	42340 - Upland Spruce/Fir	Low Density Sapling	7.3	7		this stand was final harvested last year of entry minimal regen so far wet some scattered maple and aspen sprouting
98	4319 - Mixed Upland Forest	Medium Density Pole	3.4	45		oil pad in middle of stand
99	4130 - Aspen	High Density Pole	14.4	60		
100	4130 - Aspen	High Density Pole	23.4	17		
102	4129 - Mixed Oak	Medium Density Pole	4.4	50	1-50	New stand added. clearcut with reserves last year of entry. Oak left
103	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	7.7	Uneven Age	81-110	floodplain along river
105	429 - Mixed Upland Conifers	High Density Pole	9.0	Uneven Age	51-80	wet
106	4134 - Aspen, Spruce/Fir	High Density Pole	9.3	50		need to establish private boundary wet on edge
107	4130 - Aspen	Medium Density	4.0	7		
109	4133 - Aspen, Mixed Pine	High Density Pole	12.1	18	51-80	aspen cut in 92 still has white pine overstory final harvest next time
110	6112 - Lowland Aspen	High Density Log	8.2	70		no access due to river and private



Stand	Cover Type	Acres	Gen Cmts:
1	6239 - Mixed Emergent Wetland	1.2	
3	3102 - Grass	0.7	
4	623 - Emergent Wetland	0.8	
7	122 - Road/Parking Lot	2.3	
11	623 - Emergent Wetland	0.5	
12	623 - Emergent Wetland	8.2	
16	623 - Emergent Wetland	1.2	
27	623 - Emergent Wetland	2.5	
29	3102 - Grass	8.9	
40	3102 - Grass	1.3	
44	622 - Lowland Shrub	61.2	
47	3102 - Grass	0.5	
49	50 - Water	7.3	
52	122 - Road/Parking Lot	5.3	
57	3102 - Grass	1.8	
59	6220 - Alder/willow	24.3	
64	622 - Lowland Shrub	1.9	
65	623 - Emergent Wetland	5.4	



Stand	Cover Type	Acres	Gen Cmts:
67	50 - Water	2.0	
75	623 - Emergent Wetland	7.9	
91	623 - Emergent Wetland	4.5	
93	6239 - Mixed Emergent Wetland	1.0	
101	6220 - Alder/willow	137.4	
104	50 - Water	2.5	
108	50 - Water	4.6	
111	3102 - Grass	2.5	
112	50 - Water	0.6	
113	50 - Water	0.3	



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.

Data updated yesterday after 6:00 PM

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.

Data updated yesterday after 6:00 PM

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.
SCA	Concentrated Recreation Area	Facilities that are designed and maintained for routine or heavy recreational use, including State Parks, State Forest campgrounds, motorized and non-motorized trails, trailheads, staging areas and public access sites.