

CADILLAC FOREST MANAGEMENT UNIT



COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 014 ENTRY YEAR: 2012

Compartment Acreage (GIS Acres): 3212 County: Lake

Revision Date: 10/11/2010 10:35 AM

Stand Examiner: Cheryl Nelson, Forester

Legal Description: T18N R11W Sec. 5-8, T19N R11W Sec. 31, 32

RMU (if applicable): 304 (includes compartments 15, 21, 22, 23, & 24)

Management Goals: This RMU will be managed primarily for timber production.

Soil and Topography: Mostly Rubicon-Roselawn sands and Graycalm-Montcalm sands. Generally rolling to hilly. The Sanborn Creek traverses the southern part of the RMU.

Ownership Patterns, Development, and Land Use in and Around the Compartment: A large block of state-ownership with scattered private holdings. There are some residences in the RMU, but not many. Most of the private ownership is undeveloped.

Unique, Natural Features (include only non-site specific and non-sensitive information): The Michigan Natural Features Inventory lists a Great Blue Heron rookery, W. Common Loon, Hooded Warbler, Grasshopper Sparrow, Box Turtle, and E. Massasauga rattlesnake as having occurred in this compartment. This compartment has the potential for the Blanding's turtle, E. Massasauga rattlesnake, E. Box Turtle, Great Blue Heron rookery, Dusted Skipper, Grizzled Skipper, and the Red-legged spittlebug.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None known.

Special Management Designations or Considerations: The integrity of Sanborn Creek will be maintained. Visual management techniques will be applied where necessary. The aspen acreage will be maintained and upland brush areas will be created from the oak types.

Watershed and Fisheries Considerations: **FISHERIES COMMENTS**

Wildlife Habitat Considerations: Priority wildlife species are those associated with dry-mesic conifer, dry-mixed hardwoods, and aspen community types particularly deer, turkey, and ruffed grouse. Many stands in this compartment have converted to white pine or have a heavy white pine component and/or understory. Wildlife habitat objectives are to continue to maintain this compartment for a diversity of cover types and age classes and improve the forest opening complex. (L. Smith, 6/1/10)

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of an end moraine of coarse textured till. 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 surround the compartment and potential is considered good. This area is located four miles northwest of the Reed City Field. The Reed City field produces from many formations. The east half of Section 8 is currently leased for oil & gas development.

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: None known.

Recreational Facilities and Opportunities: This area is used heavily for hunting, camping, and fishing (on accessible lakes). The Tin Cup Spring Motorcycle Trail and Route occur in this compartment and are heavily used. Snowmobiling, horseback riding, berry and mushroom picking are known to occur in this compartment.

Fire Protection: There are some urban interface issues within the compartment. Many of the fuels would not support crown fire, but due to the large unbroken areas, access, and longer response times due to location, this compartment has the potential for large fire growth. 10-4-10/BRA

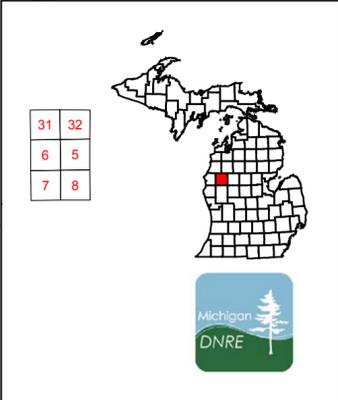
Additional Compartment Information:

- **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**

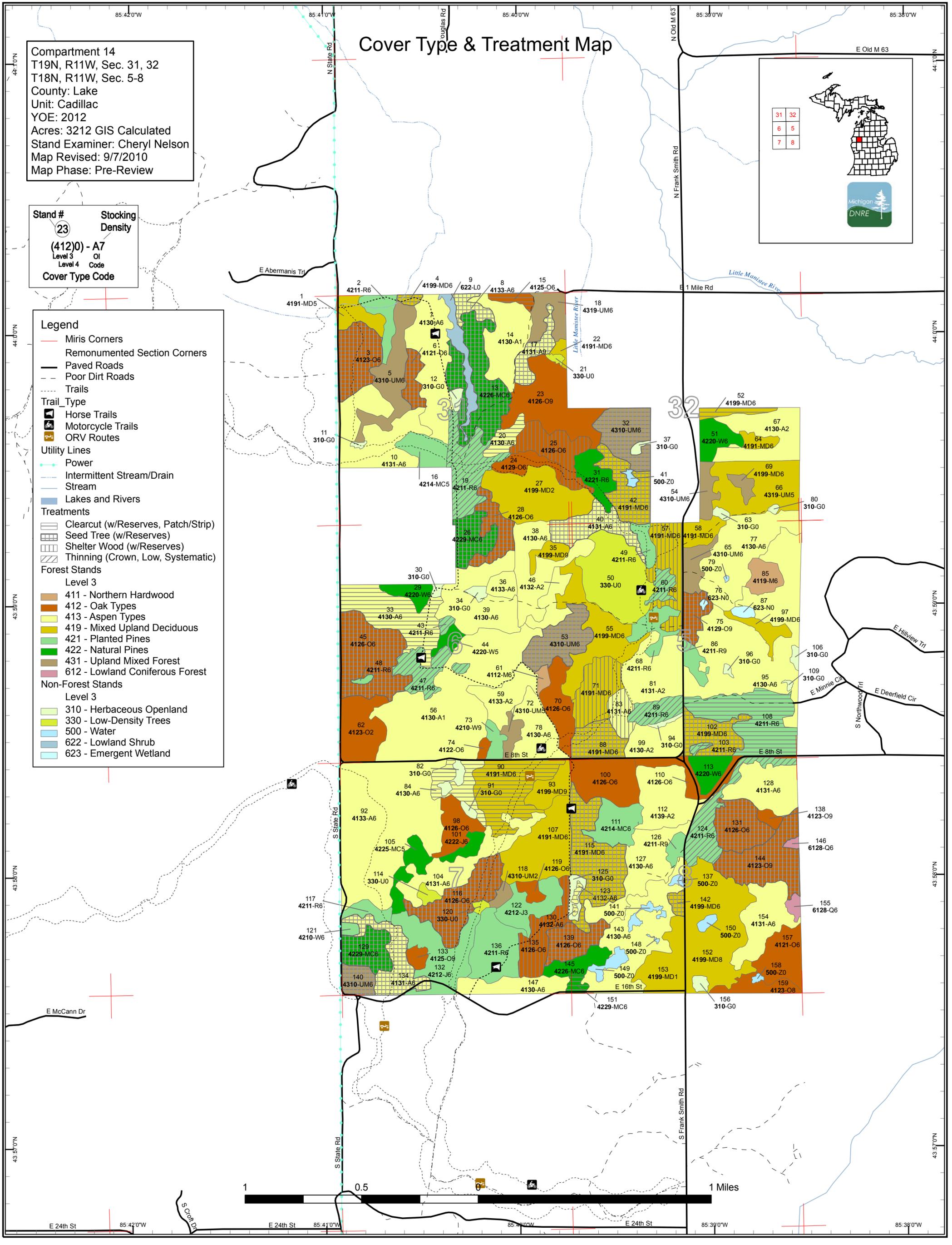
Cover Type & Treatment Map

Compartment 14
 T19N, R11W, Sec. 31, 32
 T18N, R11W, Sec. 5-8
 County: Lake
 Unit: Cadillac
 YOE: 2012
 Acres: 3212 GIS Calculated
 Stand Examiner: Cheryl Nelson
 Map Revised: 9/7/2010
 Map Phase: Pre-Review



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

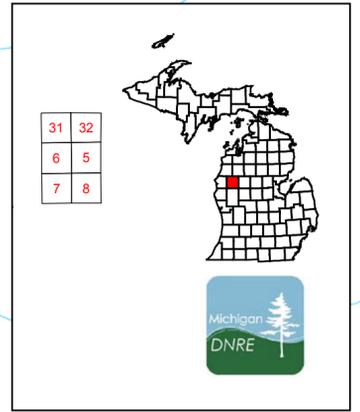
- Legend**
- Miris Corners
 - Remounted Section Corners
 - Paved Roads
 - Poor Dirt Roads
 - Trails
 - Trail Type
 - Horse Trails
 - Motorcycle Trails
 - ORV Routes
 - Utility Lines
 - Power
 - Intermittent Stream/Drain
 - Stream
 - Lakes and Rivers
 - Treatments
 - Clearcut (w/Reserves, Patch/Strip)
 - Seed Tree (w/Reserves)
 - Shelter Wood (w/Reserves)
 - Thinning (Crown, Low, Systematic)
 - Forest Stands
 - Level 3
 - 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
 - 612 - Lowland Coniferous Forest
 - Non-Forest Stands
 - Level 3
 - 310 - Herbaceous Openland
 - 330 - Low-Density Trees
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland



E 24th St 85:42'0"W 85:41'0"W 85:40'0"W 85:39'0"W 85:38'0"W

Dedicated & Proposed Special Conservation Area Map

Compartment 14
 T19N, R11W, Sec. 31, 32
 T18N, R11W, Sec. 5-8
 County: Lake
 Unit: Cadillac
 YOE: 2012
 Acres: 3212 GIS Calculated
 Stand Examiner: Cheryl Nelson
 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

- cad014_trails
- Miris Corners

Remonumented Section Corners

Proposed Special Conservation Areas

- SCA - Special Conservation Area
- SCA Removal

Dedicated Special Conservation Areas

Cold Water Streams

Forest Stands

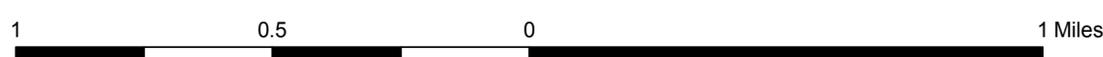
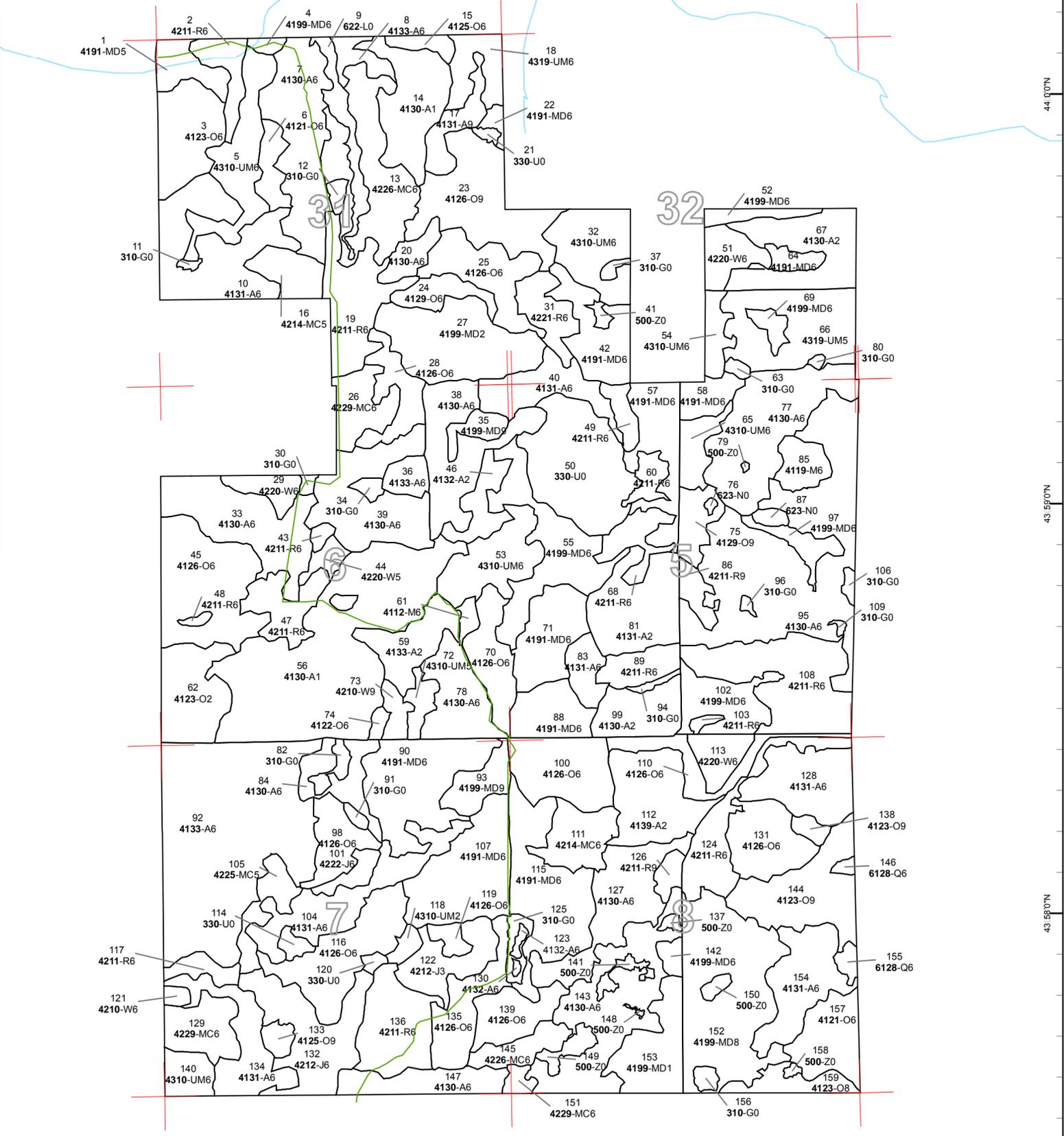
Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



85.42°W 85.41°W 85.40°W 85.39°W 85.38°W

44.10°N 44.00°N 43.50°N 43.50°N 43.57°N

44.10°N 44.00°N 43.50°N 43.50°N 43.57°N

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	259	112	229	315	220	61	32	19	0	0	0	0	0	0	1248
Herbaceous Openland	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Jack Pine	0	0	41	22	6	0	0	0	0	0	0	0	0	0	0	70
Low-Density Trees	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
Lowland Conifers	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	5
Lowland Shrub	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Marsh	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Mixed Upland Deciduous	0	78	0	56	47	0	0	55	56	259	37	0	0	0	0	587
Natural Mixed Pines	0	0	0	14	0	0	31	73	0	0	0	0	0	0	0	117
Northern Hardwood	0	0	3	0	0	12	0	0	0	0	0	0	0	0	0	15
Oak	0	31	0	0	0	0	0	33	106	316	57	0	0	0	0	542
Planted Mixed Pines	0	0	0	0	20	14	0	0	0	0	0	0	0	0	0	35
Red Pine	0	0	0	51	0	31	180	0	0	0	0	0	0	0	0	262
Upland Mixed Forest	0	0	0	14	4	0	40	0	11	75	12	0	0	0	0	156
Water	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
White Pine	0	0	0	26	0	23	0	0	0	0	0	0	0	0	0	49
Total	127	368	157	412	392	301	312	192	195	652	105	0	0	0	0	3212



Table 2 – Proposed Treatment Summaries

Data updated yesterday after 6:00 PM

Cadillac Mgt. Unit
Year of Entry 2012

Compartment 014
Total Compartment Acres: 3212

Acres by Treatment Type

Commercial Harvest - 1022	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	74	0	73	11	0	0	158
Mixed Upland Deciduous	55	0	126	56	0	0	236
Natural Mixed Pines	4	0	87	0	0	0	91
Oak	6	0	250	53	0	0	309
Red Pine	54	0	0	0	105	0	159
Upland Mixed Forest	0	0	70	0	0	0	70
Total	191	0	606	119	105	0	1022

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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
3 63014003-Cut	30.5	4123 - Red Oak	High Density Pole	82	Harvest	Seed Tree with Reserves	Oak, Aspen	Cmpt. Review Proposal

Prescription Cut all red maple and aspen. Cut all trees in aspen zones. Mark oak to leave averaging 20-30 BA. Focus retention along ORV Trail.

Specs:

Other Acceptable regen is a mix of oak, aspen, red maple, and black cherry.

Comments:

Next Regen survey.

Steps:

4 63014004-Cut	2.6	4199 - Other Mixed Upland Deciduous	High Density Pole	82	Harvest	Seed Tree with Reserves	Oak, Aspen	Cmpt. Review Proposal
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Prescription Cut all aspen, red maple, and pine. Mark oak to leave averaging 30-40 BA. Focus retention along Horse Trail.

Specs:

Other Acceptable regen is a mix of oak, aspen, red maple, and pine.

Comments:

Next

Steps:

6 63014006-Cut	10.2	4121 - Oak, Aspen	High Density Pole	80	Harvest	Seed Tree with Reserves	Oak, Aspen	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Clearcut in aspen zones. Mark oak and red pine to keep averaging 30-40 BA. Retention will be included in the marked oak and red pine residual 30-40 BA.

Specs:

Other Acceptable regen is a mix of oak, aspen, red maple, and red pine.

Comments:

Next Regen survey.

Steps:

8 63014008-Cut	7.9	4133 - Aspen, Mixed Pine	High Density Pole	72	Harvest	Seed Tree with Reserves	Aspen	Cmpt. Review Proposal
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Prescription Clearcut stand. No retention due to small stand size.

Specs:

Other Acceptable regen is a mix of aspen, maple, and black cherry.

Comments:

Next Regen survey.

Steps:

13 63014013-Cut	48.9	42260 - Natural Pine, Mixed Deciduous	High Density Pole	68	Harvest	Seed Tree with Reserves	Natural Mixed Pine	Cmpt. Review Proposal
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Prescription Cut all trees except, mark a mix of species to leave averaging 20-30 BA. Retention will be included in the marked mix of species residual 20-30 BA.

Specs:

Other Protect oak regen that is currently in the stand with cutting spec. Use upland boundary as edge of cut along creek. Horse Trail runs along a short section of the western boundary of stand.

Comments:

Next Regen survey.

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
15 63014015-Cut	5.5	4125 - Black, N. Pin Oak	High Density Pole	85	Harvest	Clearcut with Reserves	Aspen, Oak	Cmpt. Review Proposal

Prescription Cut all aspen and red maple. Do not cut any oak. Clearcut in aspen zones. Retention will be the oak residual.

Specs:

Other Acceptable regen is a mix of aspen, red maple, oak, and pine.

Comments:

Next Regen survey.

Steps:

17 63014017-Cut	13.3	4131 - Aspen, Oak	High Density Log	68	Harvest	Seed Tree with Reserves	Aspen, Oak	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Clearcut in aspen zones. In heavy oak areas mark oak to leave averaging 30-40 BA. Retention will be included in the oak residual 30-40 BA.

Specs:

Other Acceptable regen is a mix of aspen, oak, and red maple.

Comments:

Next Regen survey.

Steps:

19 63014019-Cut	34.6	42110 - Planted Red Pine	High Density Pole	53	Harvest	Low Thinning	Oak, Aspen	Cmpt. Review Proposal
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Prescription Remove approximately 1/3 of red pine BA. Cut all jack pine. Rows are fairly easy to identify. Remove any non-red pine trees as needed for equipment access.

Specs:

Other ORV Route, ORV Trail, and Horse Trail run through stand.

Comments:

Next

Steps:

20 63014020-Cut	9.1	4130 - Aspen	High Density Pole	58	Harvest	Clearcut	Aspen	Cmpt. Review Proposal
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Prescription Clearcut stand. No retention due to small stand size.

Specs:

Other Acceptable regen is a mix of aspen, red maple, and oak.

Comments:

Next Regen survey.

Steps:

25 63014025-Cut	28.2	4126 - White, Black, N. Pin Oak	High Density Pole	88	Harvest	Shelterwood	White, Black, N. Pin Oak	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Mark oak to leave averaging 40-50 BA. Focus retention along ORV Route and Trail.

Specs:

Other Acceptable regen is a mix of oak, aspen, red maple and white pine.

Comments:

Next

Steps:

26 63014026-Cut	18.3	42290 - Natural Mixed Pine	High Density Pole	55	Harvest	Seed Tree with Reserves	Natural Mixed Pine	Cmpt. Review Proposal
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Prescription Mark pine to leave averaging 20-30 BA. Do not cut any oak. Focus retention along Horse Trail.

Specs:

Other Acceptable regen is a mix of pine, oak, and black cherry.

Comments:

Next Regen survey.

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
28 63014028-Cut	17.8	4126 - White, Black, N. Pin Oak	High Density Pole	78	Harvest	Seed Tree with Reserves	Mixed Oak	Cmpt. Review Proposal

Prescription Cut all trees except, mark oak to leave 20-30 BA. Do not cut red pine. Retention will be included in oak residual 20-30 BA, and uncut red pine.

Specs:

Other Acceptable regen is a mix of oak, pine, and black cherry.

Comments:

Next Regen survey.

Steps:

32 63014032-Cut	29.6	4310 - Pine, Oak Mix	High Density Pole	81	Harvest	Seed Tree with Reserves	Oak, Pine	Cmpt. Review Proposal
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Prescription Cut all jack pine and red maple. Row thin red pine where possible. Open up around mature oak with good oak regen underneath. Mark a mix of species to leave averaging 30-40 BA. Retention will be included in the residual 30-40 BA.

Specs:

Other Acceptable regen is a mix of oak, pine, black cherry, and red maple.

Comments:

Next Regen survey.

Steps:

33 63014033-Cut	45.8	4130 - Aspen	High Density Pole	48	Harvest	Clearcut	Aspen	Cmpt. Review Proposal
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Prescription Clearcut stand. No retention to promote featured wildlife species such as grouse and cottontail rabbit. Include cutting spec 5.2.4.2 - Dead and down creation, hare and grouse, in the timber sale. Horse Trail runs through stand, mark trees as necessary to maintain integrity of the trail.

Specs:

Other Acceptable regen is a mix of aspen and black cherry.

Comments:

Next Regen survey.

Steps:

40 63014040-Cut	24.3	4131 - Aspen, Oak	High Density Pole	56	Harvest	Seed Tree with Reserves	Aspen, Oak	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Clearcut in aspen zones. Mark oak to leave averaging 30-40 BA. Focus retention along ORV Route and Trail.

Specs:

Other Acceptable regen is a mix of aspen, oak, red maple, and beech.

Comments:

Next Regen survey.

Steps:

42 63014042-Cut	26.1	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	87	Harvest	Seed Tree with Reserves	Oak, Pine	Cmpt. Review Proposal
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Prescription Cut all red maple, jack pine, and white pine. Mark to leave oak averaging 30-40 BA. Focus retention along ORV Route and Trail.

Specs:

Other East side of stand is heavier to pine so 30-40 BA oak average will be harder to maintain in these areas, may need to leave pine to increase BA.

Comments:

Next Regen survey.

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
43 63014043-Cut	2.3	42110 - Planted Red Pine	High Density Pole	47	Harvest	Systematic Thinning	Planted Red Pine	Cmpt. Review Proposal

Prescription Third row thin.Specs:OtherComments:NextSteps:

45 63014045-Cut	53.1	4126 - White, Black, N. Pin Oak	High Density Pole	82	Harvest	Seed Tree with Reserves	Mixed Oak	Cmpt. Review Proposal
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Prescription Cut all aspen, black cherry, and red maple. Clearcut in aspen zones. Mark oak to leave averaging 30-40 BA. Retention will be included in the oak residual 30-40 BA.Specs:Other Acceptable regen is a mix of oak, red maple, aspen, and black cherry.Comments:NextSteps: Regen survey.

47 63014047-Cut	20.2	42110 - Planted Red Pine	High Density Pole	48	Harvest	Low Thinning	Planted Red Pine	Cmpt. Review Proposal
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Prescription Mark to thin red pine. Remove approximately 1/3 of the BA.Specs:OtherComments: Horse Trail runs through stand.NextSteps:

52 63014052-Cut	6.5	4199 - Other Mixed Upland Deciduous	High Density Pole	60	Harvest	Clearcut with Reserves	Aspen, Oak	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Mark oak to leave averaging 20-30 BA. Retention will be included in the oak residual 20-30 BA.Specs:OtherComments: Acceptable regen is a mix of aspen, red maple, oak, and black cherry.NextSteps: Regen survey.

53 63014053-Cut	29.3	4310 - Pine, Oak Mix	High Density Pole	82	Harvest	Seed Tree with Reserves	Oak, Pine	Cmpt. Review Proposal
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Prescription Cut all aspen, jack pine, and red maple. Mark oak and pine to leave averaging 30-40 BA. Focus retention along Horse Trail.Specs:OtherComments: Acceptable regen is a mix of oak, pine, red maple, aspen, and black cherry.NextSteps: Regen survey.

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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
57 63014057-Cut	27.8	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	90	Harvest	Shelterwood	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Cut all aspen, red maple, and jack pine. Do not cut red pine. Mark oak and white pine to leave averaging 40-50 BA. Focus retention along the ORV Route and Trail.

Other Comments: Acceptable regen is a mix of aspen, red maple, jack pine, red pine, oak, black cherry, and black cherry.

Next Steps:

60 63014060-Cut	6.8	42110 - Planted Red Pine	High Density Pole	52	Harvest	Systematic Thinning	Planted Red Pine	Cmpt. Review Proposal
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Prescription Third row thin.

Specs:

Other Comments: ORV Route runs through stand.

Next Steps:

71 63014071-Cut	27.7	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	80	Harvest	Shelterwood	Mixed Upland Deciduous with Cedar	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Clearcut in aspen zones. Mark oak and pine to leave averaging 40-50 BA. Focus retention along the ORV Route and Trail.

Other Comments: Acceptable regen is a mix of oak, aspen, red maple, pine, and black cherry.

Next Steps:

75 63014075-Cut	12.1	4129 - Mixed Oak	High Density Log	90	Harvest	Seed Tree with Reserves	Oak, Aspen	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Clearcut in aspen zones. Mark oak to leave averaging 30-40 BA. Retention will be included in the marked oak residual 30-40 BA.

Other Comments: Acceptable regen is a mix of oak, aspen, red maple, black cherry, and beech.

Next Steps: Regen survey.

83 63014083-Cut	10.8	4131 - Aspen, Oak	High Density Pole	72	Harvest	Shelterwood	Aspen, Oak	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Clearcut in aspen zones. Thin oak leaving islands averaging 70 BA. Focus retention along ORV Route and Trail.

Specs:

Other Comments:

Next Steps:



Stand

Data updated yesterday after 6:00 PM

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
84	63014084-Cut	17.1	4130 - Aspen	High Density Pole	62	Harvest	Clearcut	Aspen	Cmpt. Review Proposal

Prescription Clearcut stand. Protect hathornes with cutting spec. No retention to promote featured wildlife species such as grouse and cottontail rabbit.

Specs: Include cutting spec 5.2.4.2 - Dead and down creation, hare and grouse, in the timber sale.

Other Comments: Acceptable regen is a mix of aspen, black cherry, and jack pine.

Next Steps: Regen survey.

88	63014088-Cut	19.7	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	80	Harvest	Seed Tree with Reserves	Oak, Pine	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Mark a mix of pine and oak to leave averaging 20-30 BA. Focus retention along ORV Route and Trail.

Specs:

Other Comments: Acceptable regen is a mix of oak, pine, aspen, red maple, and black cherry.

Next Steps: Regen survey.

89	63014089-Cut	13.0	42110 - Planted Red Pine	High Density Pole	52	Harvest	Low Thinning	Planted Red Pine	Cmpt. Review Proposal
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Prescription Mark to thin red pine. Remove approximately 1/3 of the BA. ORV Route runs along western boarder of stand.

Specs:

Other Comments:

Next Steps:

90	63014090-Cut	48.0	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	68	Harvest	Clearcut with Reserves	Pine, Oak	Cmpt. Review Proposal
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Prescription Cut all aspen, jack pine, and black cherry. Mark a mix of species to leave averaging 20-30 BA. Focus retention along ORV Route and Trail.

Specs:

Other Comments: Acceptable regen is a mix of jack pine, oak, aspen, and black cherry.

Comments:

Next Steps: Regen survey.

102	63014102-Cut	23.0	4199 - Other Mixed Upland Deciduous	High Density Pole	84	Harvest	Seed Tree with Reserves	Aspen, Oak	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Mark oak in heavy oak areas to leave averaging 30-40 BA. Retention will be included in the oak residual 30-40 BA.

Specs:

Other Comments: Acceptable regen is a mix of aspen, red maple, and oak.

Comments:

Next Steps: Regen survey.

103	63014103-Cut	1.7	42110 - Planted Red Pine	High Density Pole	52	Harvest	Low Thinning	Planted Red Pine	Cmpt. Review Proposal
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Prescription Third row thin.

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
108 63014108-Cut	53.7	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	52	Harvest	Clearcut	Planted Red Pine	Cmpt. Review Proposal

Prescription Clearcut Stand.Specs:OtherComments:Next Replant to red pine.Steps:

115 63014115-Cut	50.2	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	70	Harvest	Seed Tree with Reserves	Oak, Aspen	Cmpt. Review Proposal
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Prescription Cut all aspen, jack pine, and red maple. Clearcut in aspen zones. Mark a mix of oak and red pine to leave averaging 20-30 BA. Focus retention along Horse Trail.Specs:Other Acceptable regen is a mix of oak, aspen, red maple, and pine.Comments:Next Regen survey.Steps:

116 63014116-Cut	39.3	4126 - White, Black, N. Pin Oak	High Density Pole	85	Harvest	Seed Tree with Reserves	Oak, Pine	Cmpt. Review Proposal
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Prescription Cut all aspen. Mark a mix of oak and pine to leave averaging 30-40 BA. Focus retention along ORV Route and Trail.Specs:Other Acceptable regen is a mix of oak, aspen, and pine.Comments:Next Regen survey.Steps:

123 63014123-Cut	1.4	4132 - Aspen, Jack Pine	High Density Pole	67	Harvest	Clearcut	Aspen, Jack Pine	Cmpt. Review Proposal
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Prescription Clearcut. No retention due to small acreage.Specs:Other Acceptable regen is a mix of aspen, red maple, jack pine, and oak.Comments:Next Regen survey.Steps:

124 63014124-Cut	26.4	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	52	Harvest	Low Thinning	Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Mark to thin red pine. Remove approximately 1/3 of BA.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
129 63014129-Cut	19.9	42290 - Natural Mixed Pine	High Density Pole	66	Harvest	Seed Tree with Reserves	Natural Pine, Mixed Deciduous	Cmpt. Review Proposal

Prescription Cut all aspen, red maple, and jack pine. Cut all white pine 8" and over. Do not cut white oak and red pine. Retention will be the uncut white oak, red pine, and white pine less than 8" DBH.

Other
Comments:

Next Plant to jack pine.
Steps:

130 63014130-Cut	0.6	4132 - Aspen, Jack Pine	High Density Pole	67	Harvest	Clearcut	Aspen, Jack Pine	Cmpt. Review Proposal
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Prescription Clearcut stand. No retention due to small acreage.

Specs:

Other Acceptable regen is a mix of aspen, jack pine, red maple, and oak.

Comments:

Next Regen survey.
Steps:

131 63014131-Cut	26.8	4126 - White, Black, N. Pin Oak	High Density Pole	90	Harvest	Seed Tree with Reserves	Mixed Oak	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Mark oak to leave averaging 20-30 BA. Retention will be included in the marked oak residual 20-30 BA.

Specs:

Other Acceptable regen is a mix of oak, red maple, and aspen.

Comments:

Next Regen survey.
Steps:

134 63014134-Cut	27.5	4131 - Aspen, Oak	High Density Pole	55	Harvest	Seed Tree with Reserves	Aspen, Oak	Cmpt. Review Proposal
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Prescription Cut all aspen, red maple, and white pine. Do not cut any red oak. Mark to leave red pine averaging 20-30 BA. Focus retention along ORV Route.

Specs:

Other Acceptable regen is a mix of aspen, oak, red maple, and pine.

Comments:

Next Regen survey.
Steps:

135 63014135-Cut	24.6	4126 - White, Black, N. Pin Oak	High Density Pole	87	Harvest	Shelterwood	Mixed Oak	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Clearcut in aspen zones. Mark oak to leave averaging 40-50 BA. Do not cut red pine. Focus retention along

Specs: Horse Trail.

Other Acceptable regen is a mix of oak, aspen, black cherry, and red maple.

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
139 63014139-Cut	19.3	4126 - White, Black, N. Pin Oak	High Density Pole	82	Harvest	Seed Tree with Reserves	Mixed Oak	Cmpt. Review Proposal

Prescription Mark a mix of species to leave averaging 30-40 BA. Retention will be included in the marked mix of species 30-40 BA.

Specs:

Other Acceptable regen is a mix of oak, red maple, and pine.

Comments:

Next Regen survey.

Steps:

140 63014140-Cut	10.9	4310 - Pine, Oak Mix	High Density Log	75	Harvest	Seed Tree with Reserves	Oak, Pine	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Cut white pine 8" and over. Mark oak and red pine to leave averaging 30-40 BA. Retention will be included in the

Specs: marked oak and red pine residual of 30-40 BA, and the white pine less than 8" DBH..

Other Acceptable regen is a mix of oak, pine, aspen, and red maple.

Comments:

Next Regen survey.

Steps:

142 63014142-Cut	4.0	4199 - Other Mixed Upland Deciduous	High Density Pole	83	Harvest	Seed Tree with Reserves	Oak, Aspen	Cmpt. Review Proposal
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Prescription Cut all aspen and red maple. Do not cut any red pine. Mark oak to leave averaging 20-30 BA. Retention will be included in the marked oak

Specs: residual 20-30 BA, and uncut red pine.

Other Acceptable regen is a mix of oak, aspen, and red pine.

Comments:

Next Regen survey.

Steps:

144 63014144-Cut	41.2	4123 - Red Oak	High Density Log	82	Harvest	Seed Tree with Reserves	Mixed Oak	Cmpt. Review Proposal
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Prescription Cut all red maple. Mark a mix of oak and cherry to leave averaging 30-40 BA. Retention will be included in the marked oak and cherry residual

Specs: of 30-40 BA.

Other Acceptable regen is a mix of oak, red maple, aspen, and black cherry.

Comments:

Next Regen survey.

Steps:

151 63014151-Cut	3.8	42290 - Natural Mixed Pine	High Density Pole	60	Harvest	Clearcut with Reserves	Pine, Oak	Cmpt. Review Proposal
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Prescription Cut all species except oak. Retention will be the uncut oak.

Specs:

Other Acceptable regen is a mix of pine, oak, aspen, and black cherry.

Comments:

Next Regen survey.

Steps:

**Total Treatment
Acreage Proposed: 1021.7**



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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
Acreage 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**

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Cadillac Mgt. Unit

5 – Forested Stands

Compartment: 014
Year of Entry: 2012

Data updated yesterday after 6:00 PM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	13.2	87	51-80	
2	42110 - Planted Red Pine	High Density Pole	12.3	27		Red pine planted 1983. FTP C63-222.
3	4123 - Red Oak	High Density Pole	30.5	82	141-170	
4	4199 - Other Mixed Upland Deciduous	High Density Pole	2.6	82	81-110	
5	4310 - Pine, Oak Mix	High Density Pole	33.4	57		Small amount of aspen. Larger DBH red pine to south of stand.
6	4121 - Oak, Aspen	High Density Pole	10.2	80	111-140	
7	4130 - Aspen	High Density Pole	50.9	48	51-80	Timber sale has taken place but no record could be found.
8	4133 - Aspen, Mixed Pine	High Density Pole	7.9	72	1-50	
10	4131 - Aspen, Oak	High Density Pole	53.4	28		Pocket of oak, white pine, and red maple to the east.
13	42260 - Natural Pine, Mixed Deciduous	High Density Pole	48.9	68	81-110	Stand is falling apart. Some good oak regen. Deer browse damage noticeable.
14	4130 - Aspen	Low Density Sapling	35.6	5		Stand treated timber sale #630430201, "Red Hand Hardwoods". Closed 2005.
15	4125 - Black, N. Pin Oak	High Density Pole	5.5	85	51-80	White pine understory heavier to west of stand. Signs in trespass "R&R Hunting Club Members Only". Will need to contact owners when blue line is put in.
16	42141 - Planted Mixed Pine, Mixed Deciduous	Medium Density Pole	14.1	43	51-80	Cannot find FTP.
17	4131 - Aspen, Oak	High Density Log	13.3	68	81-110	Good quality stand. Some blow-down in oak areas.
18	4319 - Mixed Upland Forest	High Density Pole	16.1	85		Pockets of heavy hawthorn. Heavy blowdown throughout the stand.
19	42110 - Planted Red Pine	High Density Pole	34.6	53	141-170	Small amount of oak in understory of jack pine.
20	4130 - Aspen	High Density Pole	9.1	58	111-140	Pine heavier to west side of stand.
22	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	2.9	85	1-50	Low volumes, large open areas.

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Cadillac Mgt. Unit

5 – Forested Stands

Compartment: 014
Year of Entry: 2012

Data updated yesterday after 6:00 PM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	4126 - White, Black, N. Pin Oak	High Density Log	50.3	76	81-110	Open areas throughout stand. There are a couple of low, wet areas in the stand but of very small size. Leave stand for age class distribution.
24	4129 - Mixed Oak	High Density Pole	11.5	78		Trace of black cherry. Small acreage. Stand left between ORV trails after harvest.
25	4126 - White, Black, N. Pin Oak	High Density Pole	28.2	88	81-110	Areas of heavy red maple saplings.
26	42290 - Natural Mixed Pine	High Density Pole	18.3	55	51-80	White pine heavier to the south of stand.
27	4199 - Other Mixed Upland Deciduous	Medium Density	50.6	5		Stand swapped from Non-Forested to Forested. Zones of aspen clones, red maple, and oak.
28	4126 - White, Black, N. Pin Oak	High Density Pole	17.8	78	81-110	New stand added. Could possibly be split due to BA differences but left as one stand for treatment purposes.
29	42200 - Natural White Pine	High Density Pole	9.1	45	51-80	
31	42210 - Natural Red Pine	High Density Pole	15.9	52	141-170	
32	4310 - Pine, Oak Mix	High Density Pole	29.6	81	141-170	Stand underplanted with red pine but no FTP could be found. Oak falling out of stand. Lots of down woody debris.
33	4130 - Aspen	High Density Pole	45.8	48	51-80	Small amount of jack pine to southeast of stand.
35	4199 - Other Mixed Upland Deciduous	High Density Log	7.3	84		Do not cut. Keep this stand for age class diversity and mast production.
36	4133 - Aspen, Mixed Pine	High Density Pole	7.9	33		Stand appears to have been treated with stand 22 but no record could be found of timber sale.
38	4130 - Aspen	High Density Pole	39.7	17		Stand treated 1993 timber sale #630179201.
39	4130 - Aspen	High Density Pole	45.2	33		
40	4131 - Aspen, Oak	High Density Pole	24.3	56	81-110	Areas of older aspen clones (some with 12-14" DBH trees), throughout. Some areas of all black oak, white oak, and red maple with no aspen present.
42	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	26.1	87	81-110	East side of stand heavier to pine. Oak and jack pine falling out of stand. Good amount of black and white oak regen.
43	42110 - Planted Red Pine	High Density Pole	2.3	47	111-140	

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Cadillac Mgt. Unit

5 – Forested Stands

Compartment: 014
Year of Entry: 2012

Data updated yesterday after 6:00 PM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	42200 - Natural White Pine	Medium Density Pole	5.4	45	51-80	
45	4126 - White, Black, N. Pin Oak	High Density Pole	53.1	82	111-140	Some higher quality red oak to the south of stand but too small an area to break out.
46	4132 - Aspen, Jack Pine	Medium Density	13.7	17		Stand treated timber sale #63-017-92-01. Occasional overstory white and red pine.
47	42110 - Planted Red Pine	High Density Pole	20.2	48	141-170	Has some white pine poles on edges.
48	42110 - Planted Red Pine	High Density Pole	1.4	48	81-110	
49	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	7.0	52	111-140	Stand treated timber sale #630290201.
51	42200 - Natural White Pine	High Density Pole	13.7	20		Stand treated timber sale #630189201. White pine understory was released.
52	4199 - Other Mixed Upland Deciduous	High Density Pole	6.5	60	81-110	
53	4310 - Pine, Oak Mix	High Density Pole	29.3	82	81-110	Red pine underplanted in 1957. Jack pine falling out of stand. Aspen clone to west of stand.
54	4310 - Pine, Oak Mix	High Density Pole	9.3	28		
55	4199 - Other Mixed Upland Deciduous	High Density Pole	42.6	84	111-140	Stand underplanted with white pine (no records could be found), small pole size. Area north of recreational trail has slightly more pine but smaller diameters.
56	4130 - Aspen	Low Density Sapling	126.8	6		Stand treated timber sale #630300201, Six Wheel Mix, 2004.
57	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	27.8	90	81-110	White pine heavier to north of stand. Oak, jack pine removed 1971 timber sale.
58	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	10.6	28	81-110	
59	4133 - Aspen, Mixed Pine	Medium Density	22.1	18		
60	42110 - Planted Red Pine	High Density Pole	6.8	52	171-200	
61	4112 - Maple, Beech, Cherry Association	High Density Pole	3.2	18		

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Cadillac Mgt. Unit

5 – Forested Stands

Compartment: 014
Year of Entry: 2012

Data updated yesterday after 6:00 PM

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
62	4123 - Red Oak	Medium Density	30.8	6	1-50	Timber sale 2004.
64	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	5.6	77	1-50	New stand added.
65	4310 - Pine, Oak Mix	High Density Pole	11.6	90	81-110	New stand added.
66	4319 - Mixed Upland Forest	Medium Density Pole	4.9	28		
67	4130 - Aspen	Medium Density	36.7	17		
68	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	13.2	52	111-140	Third row thinned 1997 timber sale #630239401.
69	4199 - Other Mixed Upland Deciduous	High Density Pole	45.0	28		New stand added.
70	4126 - White, Black, N. Pin Oak	High Density Pole	21.6	78		
71	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	27.7	80	111-140	Old Pinora fire tower supports in stand. Two-track leads to site.
72	4310 - Pine, Oak Mix	Medium Density Pole	6.9	57	81-110	Area left out of surrounding treatments to form its own stand. Mix of species and sizes.
73	42101 - Planted White Pine, Mixed Deciduous	High Density Log	6.3	42	111-140	White pine looks underplanted but no FTP could be found.
74	4122 - Oak, Pine	High Density Pole	2.4	82		Oak regenerating well in open areas.
75	4129 - Mixed Oak	High Density Log	12.1	90	81-110	New stand added.
77	4130 - Aspen	High Density Pole	57.2	45		
78	4130 - Aspen	High Density Pole	27.1	35		
81	4131 - Aspen, Oak	Medium Density	38.0	5	1-50	Stand cut. Overstory of mature oak. Stand regenerating to aspen, red maple, small amount oak.
83	4131 - Aspen, Oak	High Density Pole	10.8	72	111-140	Higher quality oak/aspen. Clones of older aspen mixed with younger aspen.
84	4130 - Aspen	High Density Pole	17.1	62	81-110	



Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4119 - Mixed Northern Hardwoods	High Density Pole	11.6	45	1-50	New stand added.
42111 - Planted Red Pine, Mixed Deciduous	High Density Log	7.4	52	141-170	Stand treated timber sale # 630290201, "Blackmail Pine & Oak".
4191 - Mixed Upland Deciduous with Conifer	High Density Pole	19.7	80	81-110	
42110 - Planted Red Pine	High Density Pole	13.0	52	200+	Third row thinned 1992, sale #630059201. Few small pockets of aspen within stand.
4191 - Mixed Upland Deciduous with Conifer	High Density Pole	48.0	68	81-110	Stand falling apart. Pockets of excellent oak regen in the form of seedlings/saplings. There are a few overstory red pine.
4133 - Aspen, Mixed Pine	High Density Pole	136.0	28		Stand treated timber sale #630288101. Small amount of white pine and white birch poles. Few overstory white pine logs. Few small pockets of older aspen left over from cut. East side has a heavier white and red pine component.
4199 - Other Mixed Upland Deciduous	High Density Log	13.6	88	81-110	Possibly leave for age class diversity.
4130 - Aspen	High Density Pole	118.8	37	141-170	Stand has small areas that are heavier to red maple pulp especially south of stand 124.
4199 - Other Mixed Upland Deciduous	High Density Pole	9.0	90		Stand surrounds a cattail area.
4126 - White, Black, N. Pin Oak	High Density Pole	17.9	90	81-110	
4130 - Aspen	Medium Density	21.4	6		Stand treated timber sale #630290201, Blackmail Pine and Oak.
4126 - White, Black, N. Pin Oak	High Density Pole	32.9	68		Stand treated timber sale #630270701, Devil's Corner Re-Bid. Cut summer/fall of 2009.
42221 - Natural Jack Pine, Mixed Deciduous	High Density Pole	6.3	31		
4199 - Other Mixed Upland Deciduous	High Density Pole	23.0	84	111-140	
42110 - Planted Red Pine	High Density Pole	1.7	52	111-140	Stand has not been previously treated. Rows will be a little difficult to follow especially to the east. Treat with stand 74 which almost surrounds this stand.
4131 - Aspen, Oak	High Density Pole	37.2	31		Aspen cut in 1979.
42250 - Pine, Oak	Medium Density Pole	13.8	28		



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
107	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	46.6	31		
108	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	53.7	52	141-170	Row thinned in 1997. Timber sale #630239401. Fire scars on some red pine in the north central part of stand.
110	4126 - White, Black, N. Pin Oak	High Density Pole	16.2	88	1-50	Surrounding stands have been cut. Leave for age class distribution.
111	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Pole	20.4	37	141-170	Areas of heavy aspen and oak that are out-competing the red pine in spots.
112	4139 - Aspen, Mixed Deciduous	Medium Density	37.2	5		Stand treated timber sale #630270201, "Devil's Corner Hardwoods".
113	42200 - Natural White Pine	High Density Pole	12.2	27		Stand treated in 1993 with timber sale. White pine was released.
115	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	50.2	70	81-110	
116	4126 - White, Black, N. Pin Oak	High Density Pole	39.3	85	81-110	Red pine/white pine ridge in southwest corner of stand.
117	42110 - Planted Red Pine	High Density Pole	7.3	48	141-170	
118	4310 - Pine, Oak Mix	Medium Density	4.0	34		Slowly regenerating stand as well as seedlings planted in 1996 with 2 year old seedlings.
119	4126 - White, Black, N. Pin Oak	High Density Pole	4.8	75		Leave for mast and age class diversity. Stand on edge of wildlife field.
121	42101 - Planted White Pine, Mixed Deciduous	High Density Pole	2.5	45	111-140	White pine plantation. Rows are somewhat straight. Almost 1/2 BA comes from pulp to log oak stems.
122	42120 - Planted Jack Pine	High Density Sapling	21.8	26		Stand treated 1994, timber sale #630199201. Area trenched in Aug. 1995 then hand planted with two year old jack pine seedlings in May 1996. FTP#C63-434.
123	4132 - Aspen, Jack Pine	High Density Pole	1.4	67	111-140	
124	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	26.4	52	200+	Red maple encroachment from adjacent stand. Pocket of aspen dispersed throughout stand. FTP from 1976 states "R. Pine plantation, 50% failures replanted in 1962." Also, "Two distinct ages, prune 60% total height of older r. pine only, usually to 9 11 feet height. Crop trees spaced 20' X 20' average, where available."



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
126	42110 - Planted Red Pine	High Density Log	5.3	28	111-140	Stand treated 1993 timber sale #630290201. FTP from 1976 states "R. Pine plantation, 50% failures replanted in 1962." Also, "Two distinct ages, prune 60% total height of older r. pine only, usually to 9 to 11 feet height. Crop trees spaced 20' X 20' average, where available."
127	4130 - Aspen	High Density Pole	40.0	26		
128	4131 - Aspen, Oak	High Density Pole	33.0	47	111-140	Some large white oak, black oak, black cherry, and red maple left over from previous cut.
129	42290 - Natural Mixed Pine	High Density Pole	19.9	66	81-110	Variable species densities throughout.
130	4132 - Aspen, Jack Pine	High Density Pole	0.6	67	111-140	
131	4126 - White, Black, N. Pin Oak	High Density Pole	26.8	90	51-80	Few scattered pulp to log red pine. Southwestern-most part of stand more open.
132	42120 - Planted Jack Pine	High Density Pole	41.4	16		Pocket of sapling aspen, cherry brush in west-center of stand. Previous OI Comment: Cut 1994, sale #630199201. Area trenched in Aug. 1995, handplanted with crew to two year old jp seedlings may 1996. FTP #C-63-437. Small strip of uncut J5 on east side of stand.
133	4125 - Black, N. Pin Oak	High Density Log	4.7	82	81-110	Do not treat stand. Leave for mast and age class diversity. Possibly take aspen and red maple when harvesting adjacent stand.
134	4131 - Aspen, Oak	High Density Pole	27.5	55	51-80	Older aspen and red maple taking over. Some large red pine about 14" DBH. Occasional large white pine and black cherry. Small areas of planted red pine.
135	4126 - White, Black, N. Pin Oak	High Density Pole	24.6	87	111-140	Few scattered red pine pulp. Pocket of heavy red maple regen where some oaks have fallen out.
136	42110 - Planted Red Pine	High Density Pole	33.3	25	81-110	Pockets of good oak regen. Plow lines from illegal wildfire can be seen. Some scorch damage on trees.
138	4123 - Red Oak	High Density Log	3.8	82	111-140	Could leave for mast/age class diversity.
139	4126 - White, Black, N. Pin Oak	High Density Pole	19.3	82	51-80	Low quality oak. Lots of single-stem red maple spouts. Illegal firewood cutting in spots.
140	4310 - Pine, Oak Mix	High Density Pole	10.9	75	111-140	Could leave for mast/age class diversity.
142	4199 - Other Mixed Upland Deciduous	High Density Pole	4.0	83	111-140	

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Cadillac Mgt. Unit

5 – Forested Stands

Compartment: 014

Data updated yesterday after 6:00 PM

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
143	4130 - Aspen	High Density Pole	57.9	36		
144	4123 - Red Oak	High Density Log	41.2	82	111-140	High quality stand.
145	42260 - Natural Pine, Mixed Deciduous	High Density Pole	12.6	56	81-110	Very sparsley stocked in some areas. Illegal burn in part of stand. Fire name: Lake #6-09, March 24, 2009.
146	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	1.5	87		
147	4130 - Aspen	High Density Pole	20.7	32		Stand treated in 1978. Stand is a mix of good and poor regeneration. East side of stand has the least amount of regen but the regen that is there is the same as the rest of stand.
151	42290 - Natural Mixed Pine	High Density Pole	3.8	60	81-110	
152	4199 - Other Mixed Upland Deciduous	Medium Density Log	76.7	80	1-50	Stand treated timber sale #630350201, "Almost Slipped By". Sale completed in 2005. Stand in process of regeneration.
153	4199 - Other Mixed Upland Deciduous	Low Density Sapling	27.6	5	1-50	Stand treated timber sale #630350201, "Almost Slipped By". Sale completed in 2005. Stand in process of regeneration.
154	4131 - Aspen, Oak	High Density Pole	33.4	45		
155	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	3.3	76		
157	4121 - Oak, Aspen	High Density Pole	24.6	80	81-110	Stand had red maple removed previously but no records could be found of cut. Aspen and aspen clones were left along with oaks. Lots of red maple stump sprouts. Quality of stands lessens slightly in the north of stand.
159	4123 - Red Oak	Medium Density Log	11.8	80	51-80	Red maple and possibly aspen were removed from stand previously but no record of cut could be found. Lots of red maple stump sprouts.



Stand	Cover Type	Acres	Gen Cmts:
9	6229 - Mixed lowland shrub	13.6	
11	3102 - Grass	1.0	
12	3102 - Grass	2.6	
21	3303 - Mixed Low Density Trees	1.5	
30	3102 - Grass	1.5	
34	3102 - Grass	2.6	
37	3102 - Grass	1.8	Adjacent landowner trespass of hunting blind and farming disc on state land. CO was contacted.
41	50 - Water	1.8	
50	3303 - Mixed Low Density Trees	55.6	Stand treated timber sale #630440201, 2005.
63	3102 - Grass	1.9	
76	6230 - Cattail	0.7	
79	50 - Water	0.3	
80	3102 - Grass	0.9	
82	3102 - Grass	4.3	
87	6230 - Cattail	2.7	
91	3102 - Grass	1.8	
94	3102 - Grass	1.7	
96	3102 - Grass	1.0	



Stand	Cover Type	Acres	Gen Cmts:
106	3102 - Grass	1.8	
109	3102 - Grass	0.7	
114	3303 - Mixed Low Density Trees	3.5	Area of poor regeneration after timber sale. Area slowly becoming forested.
120	3303 - Mixed Low Density Trees	1.8	
125	3102 - Grass	4.7	
137	50 - Water	1.4	Small amount of hemlock on southern edge.
141	50 - Water	3.6	
148	50 - Water	0.3	
149	50 - Water	5.6	
150	50 - Water	2.4	Surrounded by hemlock and pine trees.
156	3102 - Grass	2.7	
158	50 - Water	0.9	



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.