



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63101

Entry Year 2020

Acreage: 1,827

County Missaukee

Management Area: Upper Muskegon

Revision Date: 2018-06-14

Stand Examiner: Steve Eisele

Legal Description:

T21N R5W Sections 22, 23, 24

Identified Planning Goals:

Vegetation management in the Upper Muskegon Management Area will provide forest products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year period will focus on harvesting older jack pine and balancing age class distributions of oak, aspen and red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation. Expected trends within this 10-year planning period are the need to manage exotic species (especially Phragmites and glossy buckthorn), the need to continue to manage cover types for a balanced age-class distribution and an expected increase in recreation pressure.

Soil and topography:

Rubicon and Grayling sand/soil types. Eastern edge is lower and wet towards the Muskegon river. Western end has some steeper slopes. The middle is mostly flat with jack pine oak areas.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

Solid state ownership except for 80 acres in sw corner of section 23. Hunt club property.

Unique Natural Features:

Muskegon river in east end of compartment. Potential for warblers, skippers, and spittle bugs. Also grasses and thistle in openings.

Archeological, Historical, and Cultural Features:

Old fire tower location in NW of section 22. Foundation pads/plates are all that remains. Also a location cap.

Special Management Designations or Considerations:

Manage and monitor the jack pine and oak. Maintain different ages. Look at adding some red pine plantings where practical.

Watershed and Fisheries Considerations:

Muskegon river just to east of compartment.

Wildlife Habitat Considerations:

Featured wildlife species in this Management Area are diverse reflecting the wide range of habitat types present. Featured Species of wildlife include american bittern, american woodcock, beaver, black bear, eastern massasuga rattlesnake, mallard, golden-winged warbler, pileated woodpecker, red-headed woodpecker, ruffed grouse, snowshoe hare, wild turkey, and white-tailed deer. Most of these species benefit from young forest and open types while some require some old trees for foraging and nest/den sites. Maintaining the opening types and balancing harvests with a diverse assortment of age classes in the timber types will meet the goals for these species.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are not located in the area, but there appears to be good sand & gravel potential within the compartment. The nearest production is the Cranberry Lake Field, which is also a gas storage field. All of the state-owned mineral rights in and around the compartment are currently leased for oil and gas exploration and development. Marathon holds these leases, and they have recently been divesting their interests in the state. There is no known metallic mineral potential in this part of the state. The state does not own all of the mineral rights within Sec 24. Private mineral rights owners must be allowed reasonable access to the land should they choose to explore and/or develop the minerals.

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.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Leota ORV trail and Muskegon river.

Fire Protection:

This compartment is within zone 4 response area. Initial attack responsibilities are from Houghton Lake Field office and other field offices for the Zone 4 response. BET 6-4-18

Additional Compartment Information:

None at this time.

The following reports from the Inventory are attached:

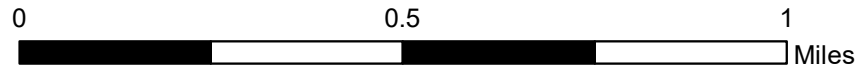
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

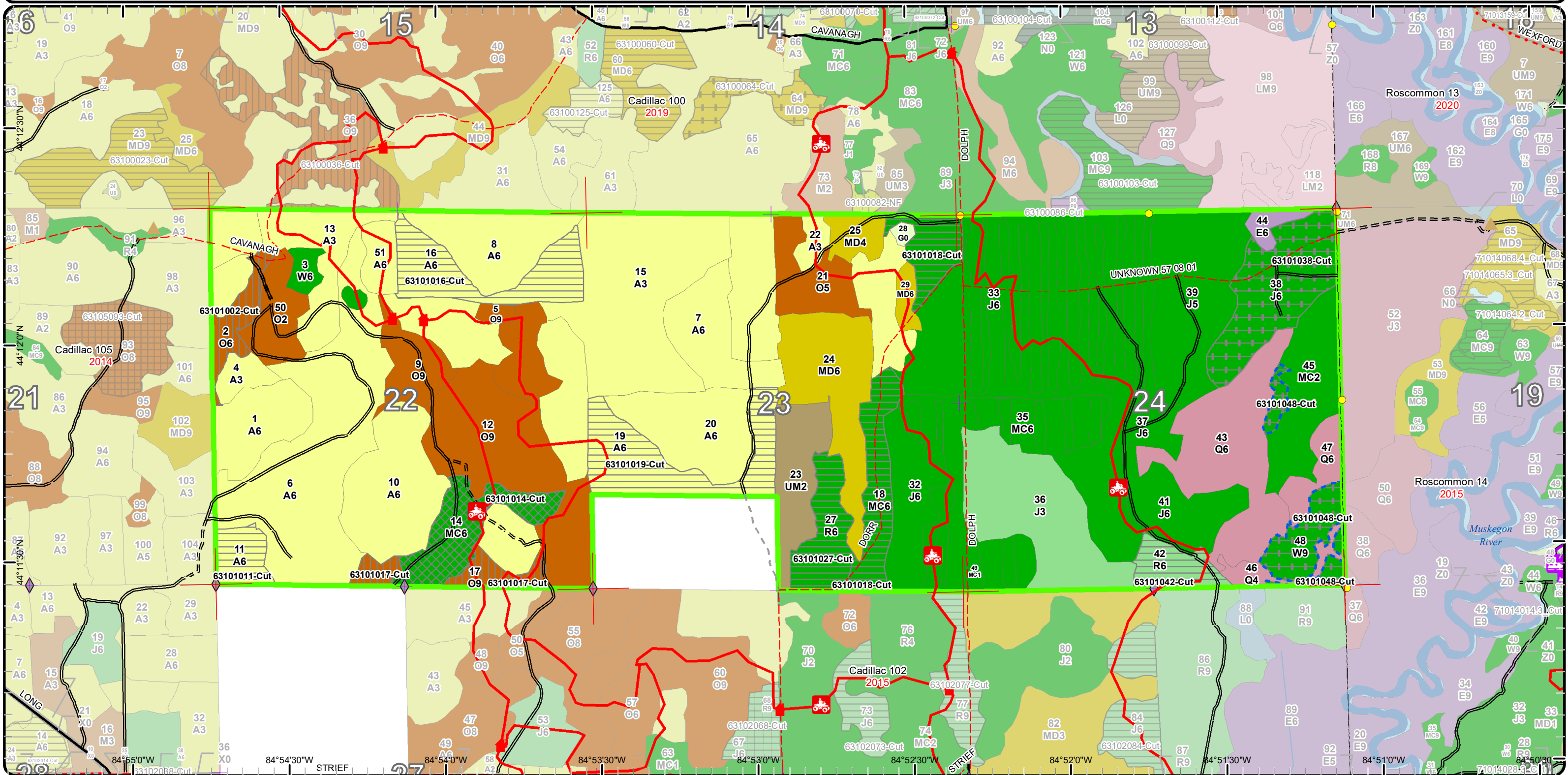
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 101
 T21N R05W Sec. 14-16
 County: Missaukee
 Unit: Cadillac
 Mgmt Area: Upper Muskegon
 YOE: 2020
 Acres: 1,827 GIS Calculated
 Examiner: Steve Eisele
 Map Revised: 10/23/2018
 Map Phase: Post - Review

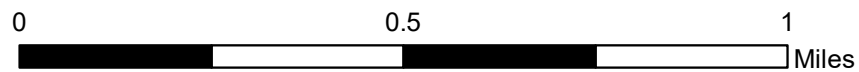


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- DNR - Secondary Forest Road
- 🚙 ORV Trails
- 🚙 Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- ▲ Berms
- 🏠 Structures
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Shelter Wood (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- Lakes

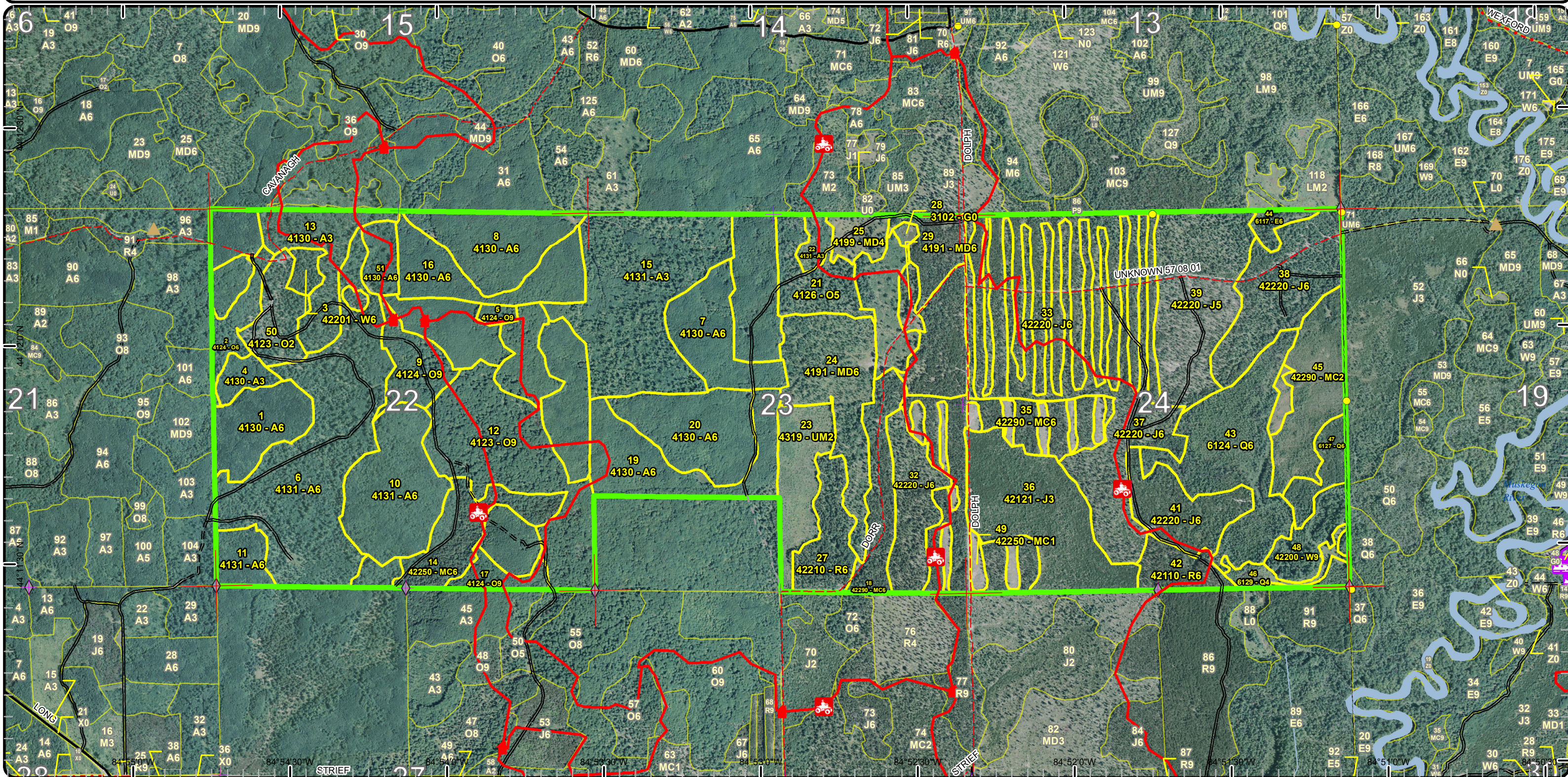


Stand Boundary Map

Compartment: 101
 T21N R05W Sec. 14-16
 County: Missaukee
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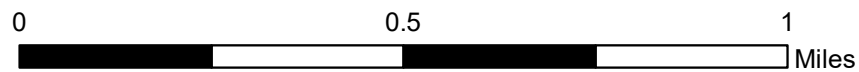


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- Compartment Boundary
- Stand Boundaries
- 421 - Planted Pines
- 422 - Natural Pines
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- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous

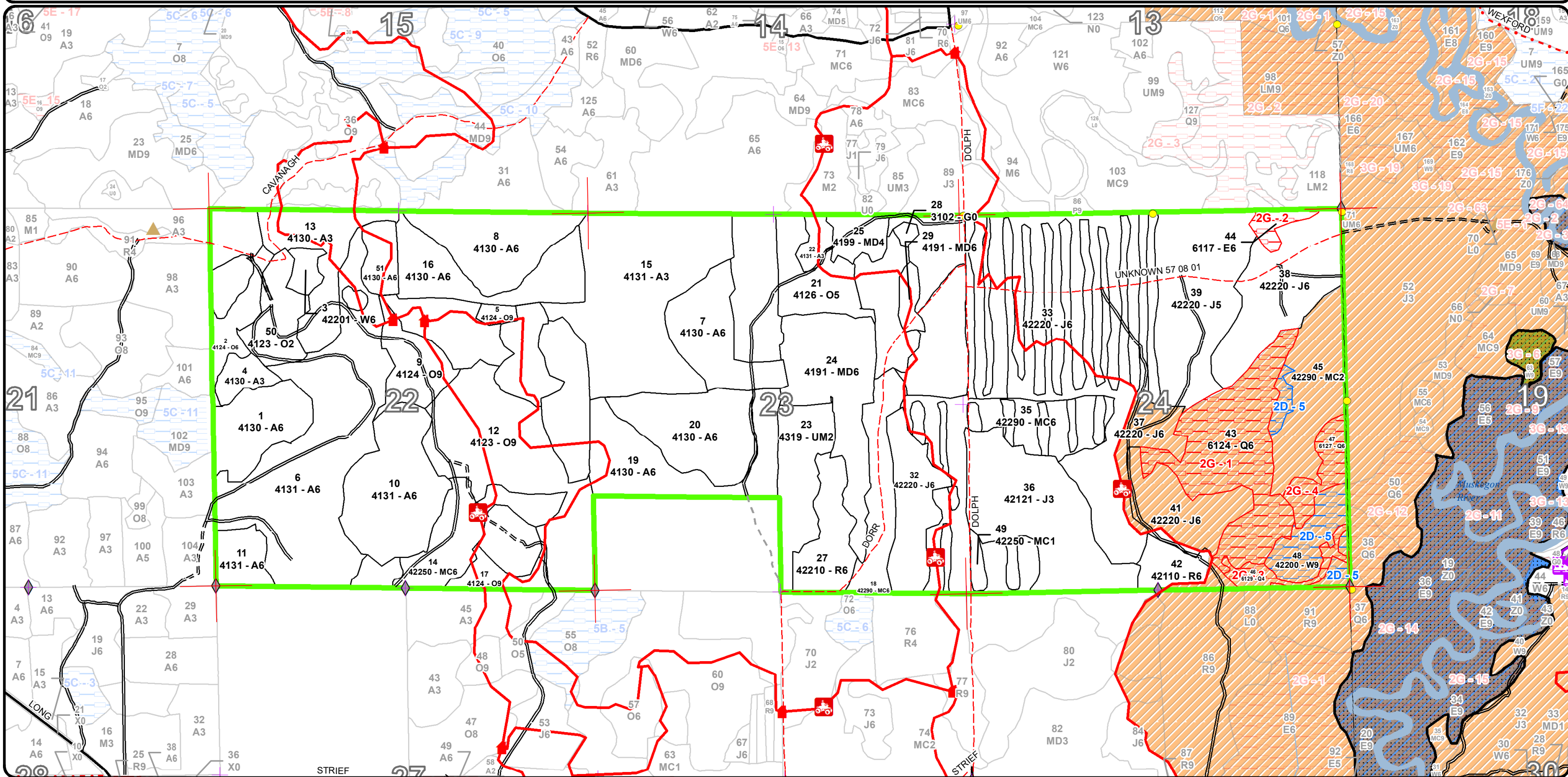


Special Conservation Areas & Site Conditions Map

Compartment: 101
 T21N R05W Sec. 14-16
 County: Missaukee
 Unit: Cadillac
 Mgmt Area: Upper Muskegon
 YOE: 2020
 Acres: 1,827 GIS Calculated
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- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- Stand Boundaries
- SCA
- Eastern Massasauga Managed Land
- Cold Water Lakes
- Verified Type 1 Old Growth
- Riparian Area



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	54	240	0	90	298	13	0	0	0	0	0	0	0	0	0	0	0	694
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	0	107	67	31	91	56	67	51	0	0	0	0	0	0	0	0	0	469
Lowland Conifers	0	0	0	0	0	0	22	0	68	0	0	0	0	0	0	0	0	0	90
Lowland Deciduous	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	0	11	0	6	0	0	0	0	0	0	0	0	0	0	0	0	53	70
Natural Mixed Pines	0	23	0	0	0	40	0	103	32	0	0	0	0	0	0	0	0	0	198
Oak	0	21	0	0	0	0	0	25	0	81	67	0	0	0	0	0	0	0	194
Red Pine	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	25	41
Upland Mixed Forest	0	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
White Pine	0	0	0	0	0	0	8	0	0	27	0	0	0	0	0	0	0	0	35
Total	2	129	358	67	127	429	99	195	151	130	67	0	0	0	0	0	0	78	1829



Report 2 – Treatment Summary

Cadillac Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 101

Total Compartment Acres: 1,827

Commercial Harvest - 290
 Harvests with Site Condition - 27
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	94	0	0	0	0	0	0	0	0	94
Jack Pine	0	0	0	0	0	0	51	0	0	51
Natural Mixed Pines	45	32	0	0	0	0	0	0	0	76
Oak	0	0	0	0	29	0	0	0	0	29
Red Pine	40	0	0	0	0	0	0	0	0	40
White Pine	0	0	0	0	0	0	27	0	0	27
Total	179	32	0	0	29	0	78	0	0	317

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	317	0	0	0	0	0	0	0	0	317
Next Step	0	40	40	0	0	40	199	0	0	320
Total	317	40	40	0	0	40	199	0	0	637



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
2	63101002-Cut	13.6	4124 - Red with White Oak	Poletimber Well	90	111- 140	Harvest	Shelterwood	4121 - Oak, Aspen	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Do an oak shelter wood remove all aspen and maple mark some oak green to leave 10-20-ba
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Mix of oak and aspen with some red maple.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

11	63101011-Cut	13.1	4131 - Aspen, Oak	Poletimber Well	50	Unspec ified	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clear cut leave oak. Use grouse spec
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Aspen mixed deciduous
Regen:

Other Good survey corner in sw
Comment:

Proposed Start Date: 10/1 /2019

14	63101014-Cut	31.7	42250 - Pine, Oak	Poletimber Well	75	111- 140	Harvest	Single Tree Selection	4221 - Natural Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Mark to cut mostly log size pine and oak down to approx. 80-90 ba Mark green to leave along ORV trail
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Mlx of pine and oak
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

16	63101016-Cut	36.0	4130 - Aspen	Poletimber Well	45	Unspec ified	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clear cut leave some scattered oak and a few small islands for retention
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Mix of aspen and deciduous
Regen:

Other Use road for northern boundary of harvest
Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
17	63101017-Cut	15.2	4124 - Red with White Oak	Sawtimber Well	90	81-110	Harvest	Shelterwood with Retention	4124 - Red with White Oak	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Shelter wood oak, leave 10-30 ba, cut all aspen and maple, treat with adjacent stand Mark green to leave along ORV trail
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Mixed oaks with deciduous
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

18	63101018-Cut	44.7	42290 - Natural Mixed Pine	Poletimber Well	60	81-110	Harvest	Clearcut with Retention	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Remove all jp and oak. Cut only red pine over 10 inches dbh
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Mix of pine and oak
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

19	63101019-Cut	44.8	4130 - Aspen	Poletimber Well	46	Unspec ified	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clear cut leave some scattered oak and a few small islands
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Mix of aspen and deciduous
Regen:

Other Establish private boundary use old roads and skid trails for boundary where possible.
Comment:

Proposed Start Date: 10/1 /2019

27	63101027-Cut	24.6	42210 - Natural Red Pine	Poletimber Well	65	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clear cut and plant to red pine
Specs:

Next Step SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical
Treatments:

Acceptable Plant to red pine
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
38	63101038-Cut	51.2	42220 - Natural Jack Pine	Poletimber Well	75	51-80	Harvest	Overstory Removal	42260 - Natural Pine, Mixed Deciduous	Even-Aged	Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription Do an over story removal of pine and oak over 8 in dbh

Specs:

Next Step

Treatments:

Acceptable Mix of pine and oak

Regen:

Other put in reptile spec

Comment:

Proposed Start Date: 10/1 /2019

42	63101042-Cut	15.6	42110 - Planted Red Pine	Poletimber Well	80	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clear cut and plant back to red pine. Add reptile spec

Specs:

Next Step SitePrep, Trenching; Pesticide, Skidder/Mechanical; Planting, Initial Plant

Treatments:

Acceptable Plant to red pine

Regen:

Other Look at re routing ORV trail at west end of existing stand

Comment:

Proposed Start Date: 10/1 /2019

48	63101048-Cut	26.8	42200 - Natural White Pine	Sawtimber Well	80	81-110	Harvest	Overstory Removal	42260 - Natural Pine, Mixed Deciduous	Two-Aged	Approved Proposal
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Habitat Cut: No**Site Condition: Portable Bridge Needed**

Prescription Will need crane mats or some way to cross some wet areas to access. Should be a winter cut of mostly log size pine and maple. Over story removal

Specs:

Next Step

Treatments:

Acceptable Mix of conifers and maple

Regen:

Other Put in reptile spec

Comment:

Proposed Start Date: 10/1 /2019

Total Treatment Acreage Proposed: 317.3

Report 4 – Site Conditions

Cadillac Mgt. Unit
Steve Eisele : Examiner

Compartment: 101
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	2D	2G
		With Condition	Not Available			
694	694	0	0	Aspen		
2	2	0	0	Herbaceous Openland		
470	470	0	0	Jack Pine		
90	0	0	90	Lowland Conifers		90
6	0	0	6	Lowland Deciduous		6
69	69	0	0	Mixed Upland Deciduous		
199	199	0	0	Natural Mixed Pines		
193	193	0	0	Oak		
40	40	0	0	Red Pine		
30	30	0	0	Upland Mixed Forest		
34	8	27	0	White Pine	27	
1,827	1,705	27	96	Total Forested Acres	27	96
	93%	1%	5%	Relative Percent		

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	68	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Steve Eisele : Examiner

Compartment: 101
Year of Entry: 2020

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.

Report 7 – Forested Stands

Compartment: 101
Year of Entry: 2020



Stand	Cadillac Mgt. Unit		Acres	Stand Age	BA Range	General Comments:
	Level 4 Cover Type	Size Density				
1	4130 - Aspen	Poletimber Well	40.5	45	Unspecified	Good stocking solid aspen stand. Hold until next y.o.e.
2	4124 - Red with White Oak	Poletimber Well	13.6	90	111-140	More oak than aspen.
3	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	7.6	58	51-80	Conifer stand left out of adjacent cuts.
4	4130 - Aspen	Sapling Well	16.1	16	Immature	Thick aspen, mixed deciduos.
5	4124 - Red with White Oak	Sawtimber Well	3.1	85	51-80	This is retention area left from cuts all around it. leave.
6	4131 - Aspen, Oak	Poletimber Well	116.7	16	Immature	Shelterwood cut last time. Now scattered mature oak over a mix of oak, red maple and aspen regeneration.
7	4130 - Aspen	Poletimber Well	83.9	35	Unspecified	Thick aspen stand, no overstory oak.
8	4130 - Aspen	Poletimber Well	38.0	45	Unspecified	Thick aspen stand with some mixed deciduos. Small diameters. Cut next time
9	4124 - Red with White Oak	Sawtimber Well	38.1	90	51-80	Nice straight red oak with some white mixed in
10	4131 - Aspen, Oak	Poletimber Well	65.7	48	Unspecified	Solid aspen stand with same age oak and red maple
11	4131 - Aspen, Oak	Poletimber Well	13.1	50	Unspecified	Solid aspen with same age oak and maple
12	4123 - Red Oak	Sawtimber Well	77.8	80	51-80	Good straight stem red oak. A lot of red maple regen Treat next time when regen is more established
13	4130 - Aspen	Sapling Well	53.8	6	Immature	Treated with sale 63-044-10-01
14	42250 - Pine, Oak	Poletimber Well	31.7	75	111-140	Has been thinned in the past
15	4131 - Aspen, Oak	Sapling Well	95.6	16	Immature	Cut 2002 with some residual oak left over top of aspen, red maple , oak regen.
16	4130 - Aspen	Poletimber Well	36.0	45	Unspecified	Thick aspen stand with some mixed maple and oak.
17	4124 - Red with White Oak	Sawtimber Well	15.2	90	81-110	
18	42290 - Natural Mixed Pine	Poletimber Well	44.7	60	81-110	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	4130 - Aspen	Poletimber Well	44.8	46	Unspecified	Solid aspen stand with no residual oak over story
20	4130 - Aspen	Poletimber Well	72.6	46	Unspecified	Solid aspen stand with no residual oak over story Look at treating next yoe
21	4126 - White, Black, N. Pin Oak	Poletimber Medium	24.7	65	81-110	Previous sale with scattered oak left as residual. Light stocking right now but regen is coming. Look at treating next yoe
22	4131 - Aspen, Oak	Sapling Well	6.2	35	Unspecified	Old cut listed as an upland brush last time is now filling in with aspen and mixed deciduos. Alot of deer sign.
23	4319 - Mixed Upland Forest	Sapling Medium	30.5	5	Immature	Trenched in 2010 First planted by hand crew in 2011 Replanted by hand crew in 2015 2 year old red pine seedlings. Regen check 2016, 247 TPA red pine and non target 303 TPA. Allow mixed competition and planted red pine at current stocking. No more need for regeneration check.
24	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	52.7	65	1-50	Treated with sale 63-052-00-01
25	4199 - Other Mixed Upland Deciduous	Poletimber Poor	10.9	15	Immature	Old brush area now filling in with scattered trees
27	42210 - Natural Red Pine	Poletimber Well	24.6	65	81-110	Has been treated in the past
29	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	5.7	35	51-80	Open areas patchy poor quality
32	42220 - Natural Jack Pine	Poletimber Well	56.4	55	1-50	Seed tree cut in 2004
33	42220 - Natural Jack Pine	Poletimber Well	90.6	40	81-110	Uncut strips. Look at clear cutting next yoe
35	42290 - Natural Mixed Pine	Poletimber Well	58.7	65	81-110	Uncut areas around strip cuts
36	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	67.3	23	81-110	Jack Pine plantation. Cut in 95, trenched and planted.
37	42220 - Natural Jack Pine	Poletimber Well	107.2	18	51-80	Previous Seed tree cut #63-068-00-01 Residual jack pine and oak over natural regen of jack pine and oak.
38	42220 - Natural Jack Pine	Poletimber Well	51.2	75	51-80	Good natural regen coming in.
39	42220 - Natural Jack Pine	Poletimber Medium	66.5	65	51-80	
41	42220 - Natural Jack Pine	Poletimber Well	30.7	35	81-110	Some wet areas

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Cadillac Mgt. Unit

Report 7 – Forested Stands

Compartment: 101
Year of Entry: 2020

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42	42110 - Planted Red Pine	Poletimber Well	15.6	80	111-140	Had jack pine removed last time.
43	6124 - Lowland Spruce-Fir	Poletimber Well	67.8	75	111-140	Mixed lowland forest very wet.
44	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	6.0	80	81-110	Wet lowland, old ox bow from river
45	42290 - Natural Mixed Pine	Sapling Medium	40.4	40	51-80	Hummocky , wet spots. Slow growing
46	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	8.2	50	1-50	Bog areas with scattered trees.
47	6127 - Lowland Pine	Poletimber Well	13.6	50	81-110	Swampy, wet, leather leaf, dense understory
48	42200 - Natural White Pine	Sawtimber Well	26.8	80	81-110	Super canopy white pine over mixed forest.
49	42250 - Pine, Oak	Sapling Poor	23.1	4	Immature	
50	4123 - Red Oak	Sapling Medium	20.6	6	Immature	mix of oak, red maple and aspen regeneration.
51	4130 - Aspen	Poletimber Well	10.8	16	Immature	Shelterwood cut last time, with stand 6 but this area came back to solid aspen maple with very little oak. Hilly



Stand	Cover Type	Acres	Managed Site	General Comments:
28	3102 - Grass	1.8	No	Leather leaf and sedge, Wet at times