

Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63134 Entry Year 2019 Acreage: 3,270

County Wexford

Management Area: Manistee River Valley

Revision Date: 06/08/2017

Stand Examiner: Blair Tweedale

Legal Description:

24N, R10W, Sections: 7, 9, 16, 17, 18, 19, 20, and 21

Identified Planning Goals:

Vegetation management in the Manistee River Valley management area (MA) (Figure 4.23.1) will provide timber products; maintain or enhance wildlife habitat; protect areas of unique character including the Manistee River and its tributaries, a designated natural river; threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period includes continuing aspen management to maintain early successional habitat for hunting and other wildlife-related recreational opportunities; increasing regeneration of oak; focusing on balancing the red pine age class structure through final harvests and re-planting; and on improving red pine quality through partial harvests. Expected trends within this 10-year planning period are increased recreational pressure, especially on the established trails and along the Manistee River and its tributaries; an increased wildland/urban interface and a need to restore barrens communities through prescribed fire; and invasive plant control.

Soil and topography:

Rubicon and Croswell sands in upland areas. Tawas in wet areas. Most of the compartment is flat with the exception being above the creeks and river, along with steep banks above the Manistee. The eastern side of the compartment contains many wet/poorly drained areas with old and inactive beaver activity causing areas of standing water.

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

There is some private ownership in every section in this compartment; most of this is low development acreage apart from a subdivision along the Manistee River just west of the SW corner of section 9. The previous management plan recommended acquisition of parcels in sections 7, 9, 16, 17, 18, 20 & 21.

Unique Natural Features:

Manistee River, Apple creek and Blind creek. Many unnamed feeder streams. Some ridge areas along the river and between the creeks have spots that have never been cut. Wood turtle just ne of section 9; also to the w and sw. Great blue heron rookery within 1/2 mi s of section 19. Goshawk to the n. Bald eagle to the se. Red-shouldered hawk to the nw and ne. Ginseng to the e. Hill's thistle to the e and ne. Pine Barrens to the ne (Walton Marsh). Potential for bog bluegrass in swamp hardwoods. Potential for rare plants of cedar swamp: limestone oak fern, ram's head lady's-slipper and calypso orchid. Potential for ginseng in mesic slopes along Manistee River. Potential for great blue heron rookery, osprey, eagle, goshawk, red-shouldered hawk. Potential for wood turtle, eastern massasauga, and Blanding's turtle.

Archeological, Historical, and Cultural Features:

Prehistoric earthworks and Woodland Indian camp within compartment.

Special Management Designations or Considerations:

While the Manistee river in Wexford county is not designated as a natural river, there is a Memorandum Of Understanding between FRD and Fisheries Division to manage the state land adjacent to the river as such.

Watershed and Fisheries Considerations:

The Manistee River, Filer Creek, Blind Creek, Apple Creek, and a number of small, unnamed streams flow through Compartment 134. All are Designated Trout Streams. Apple, Blind, and Filer Creeks host self-sustaining populations of brook and rainbow trout. The Manistee River is stocked with brown trout, but also hosts some natural reproduction of brown, brook, and rainbow trout. While the state Natural River designation ends at the Missaukee/Wexford County line, Fisheries, Forest Management, and Wildlife Division entered into an agreement to adopt and utilize the Upper Manistee River state natural river zoning ordinance. Per Natural Rivers standards, the minimum vegetative buffer on the mainstream is 175 feet, and 100 feet for tributaries.

Wildlife Habitat Considerations:

Featured wildlife species include deer, bear, and ruffed grouse. Management objectives are to keep a variety of cover types and age class diversity as well as maintain and/or enhance habitat including work on openings and edges to preserve wildlife viewing and hunting opportunities. (A. Herban 6/07/17)

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured till and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift are the Mississippian Michigan Formation, Marshall Sandstone and Coldwater Shale. The Michigan is quarried for gypsum in other areas of the State and the Marshall was used as a building stone. This area is located seven miles southeast of the prolific Silurian Niagaran reef trend. There is currently no known metallic mineral potential in this part of the state. Sand/gravel pits are not located in the area, but there may be some sand and gravel potential within the compartment. The nearest active or past oil and gas production is located greater than four miles from the compartment. Oil and gas potential in the area is considered low and no state-owned mineral rights are currently leased for oil and gas exploration. The state does not own the mineral rights beneath some of the compartment.

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. The DNR would recommend that the Wexford County Road Commission repair and replace the crossing on Kolavric Rd over Blind Creek.

Survey Needs:

Nothing is needed at this time. Further investigation into a historical trespass in SWNW of section 21 should be followed up.

Recreational Facilities and Opportunities:

This compartment has a variety of recreational opportunities. The Michigan Cross Country Cycle Trail (MCCCT) runs along 29-1/2 Rd, and 31 Rd at the eastern edge of this compartment. Baxter Bridge State Forest campground, and a designated boat launch provide camping and boating amenities. The Manistee River provides a heavily used canoeing, and fishing corridor. Other recreational opportunities include hunting, dispersed camping and trapping. Policy and Procedure 32.22-01 (Best Management Practices for Forest and Wildlife Management Adjacent to Recreational Trails). Should be considered if forest treatments impact these motorized recreational trails. Timber management impacting Baxter Bridge State Forest campground should be coordinated with local PRD staff to reduce impacts to campers. (T.M.N. 12-6-16).

Fire Protection:

There are a variety of timber types within this compartment, with some of the areas being of concern for large fire growth. Many areas of remote recreational activities could cause more ignition starts of wildfires. Access for equipment could be a concern, due to the Manistee River, and its tributaries. There are also private land within the compartment, which increases the urban interface concerns.

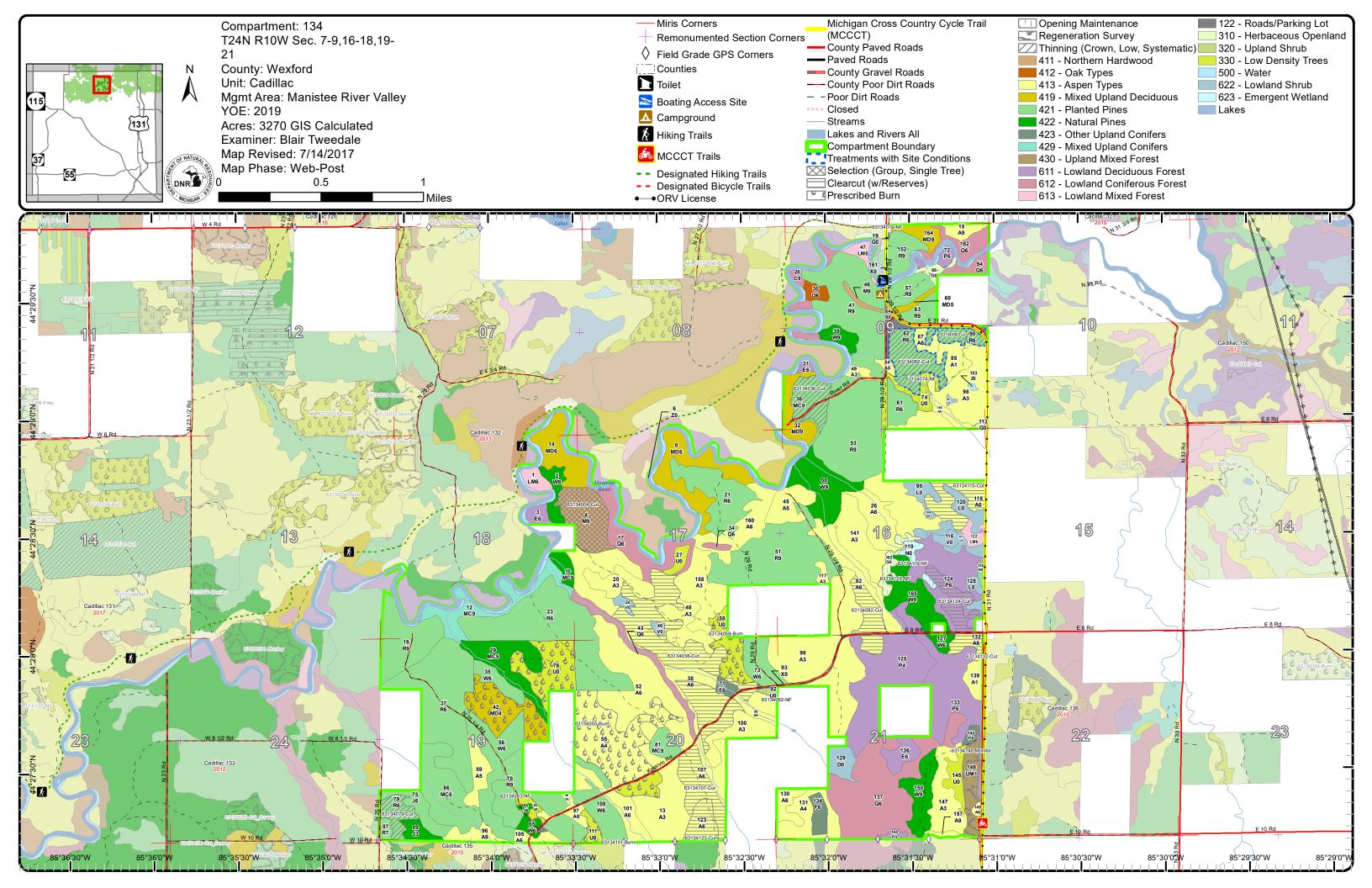
Additional Compartment Information:

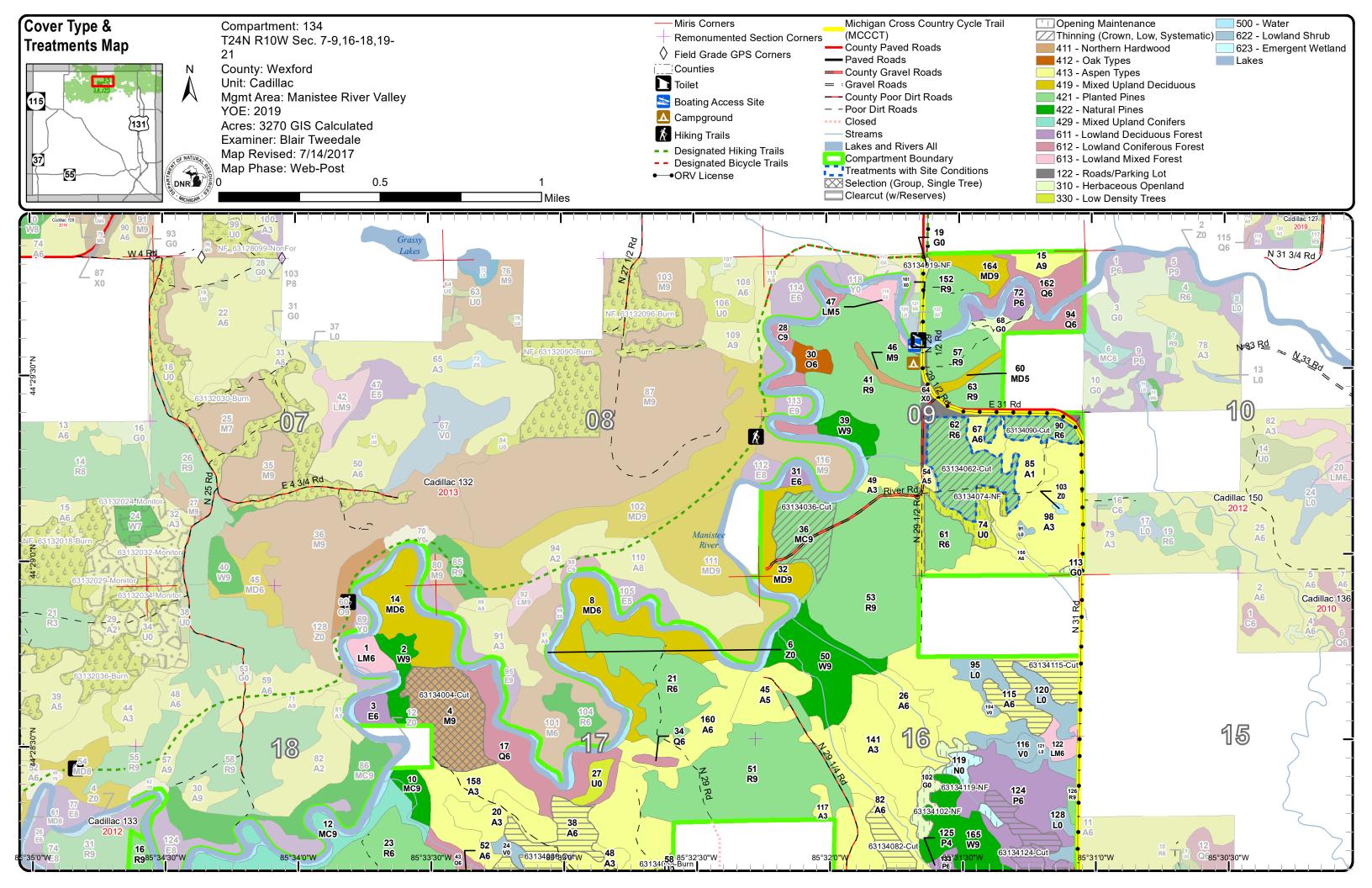
The following reports from the Inventory are attached:

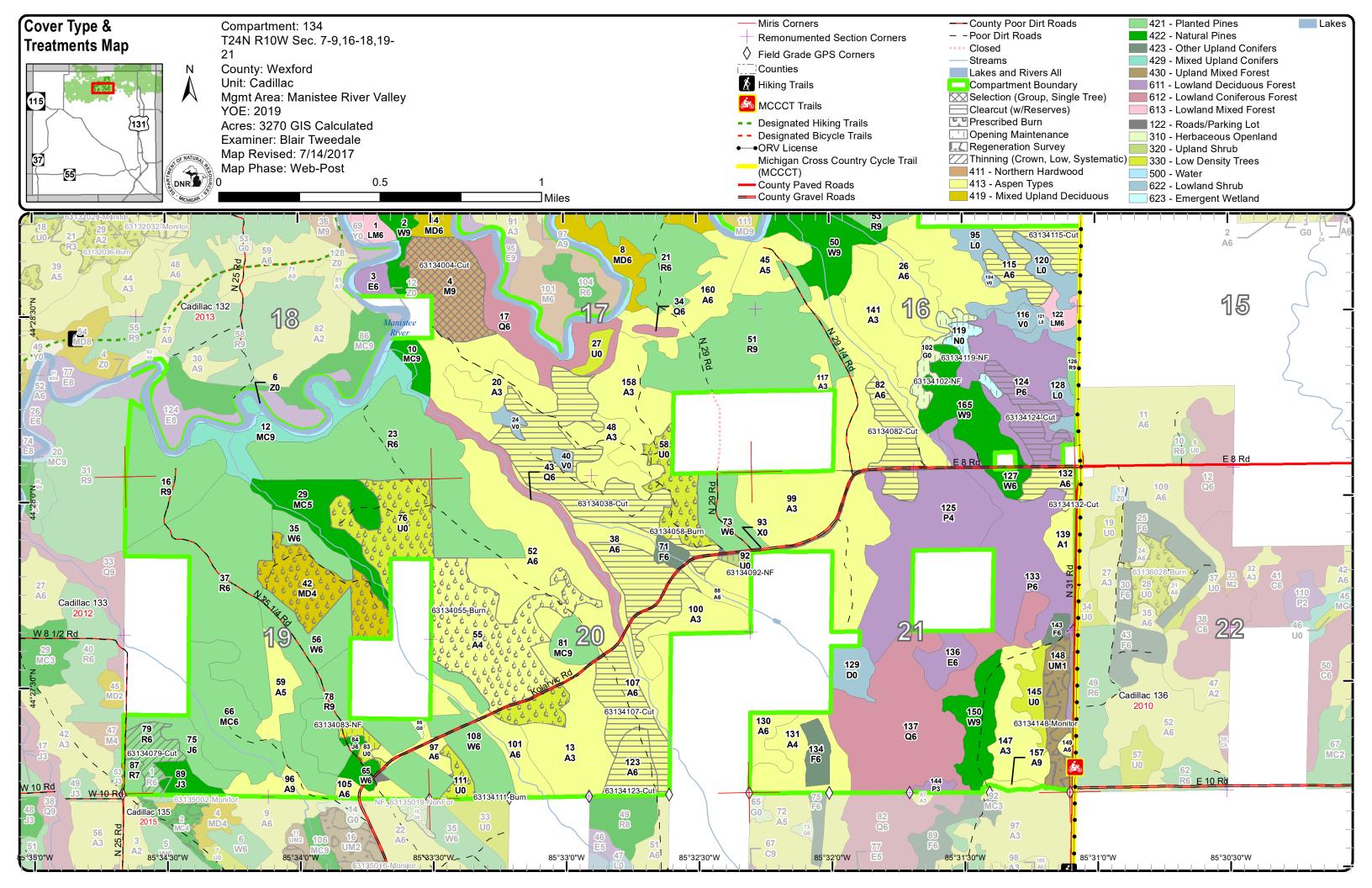
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

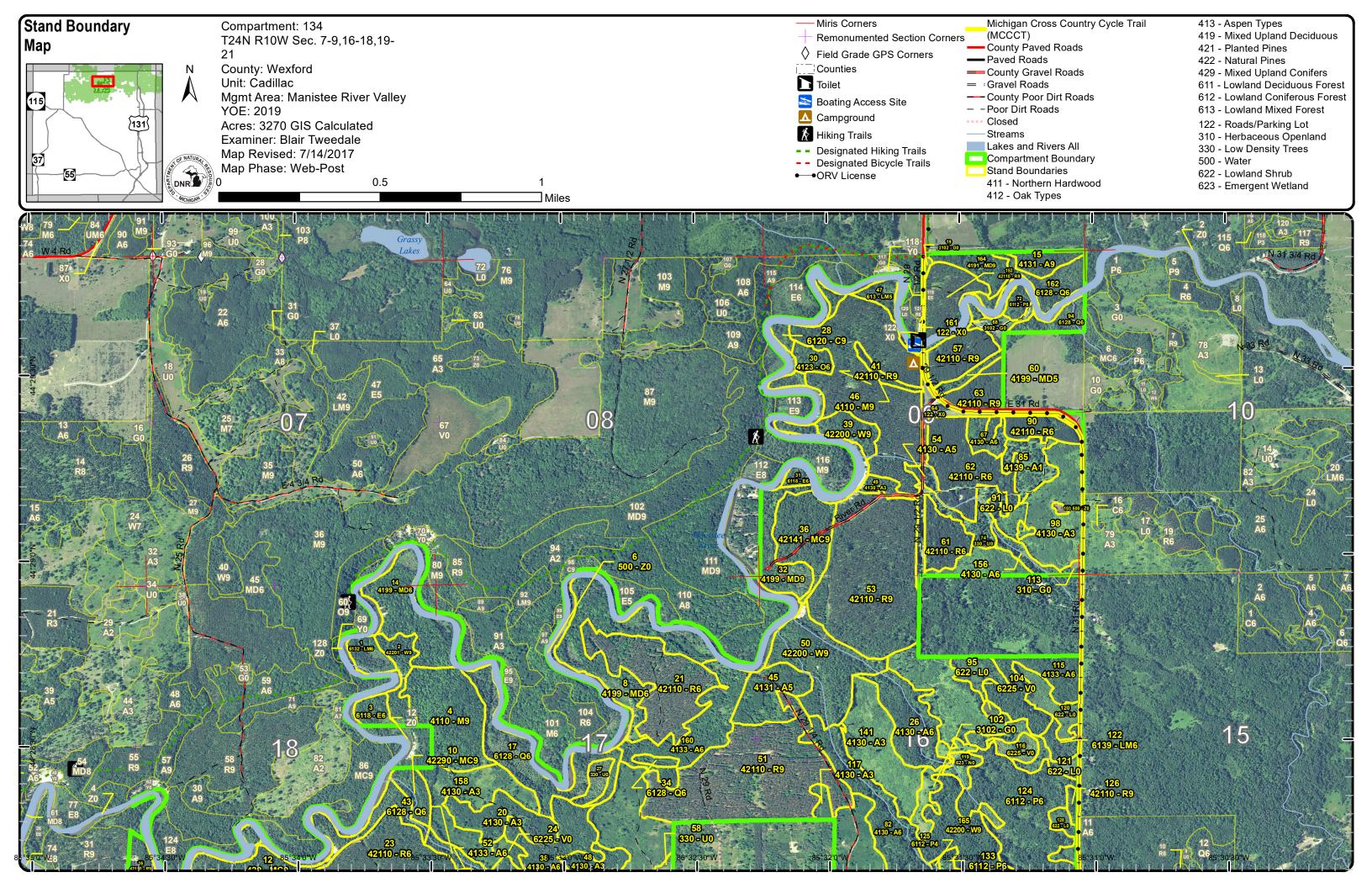
The following information is displayed, where pertinent, on the attached compartment maps:

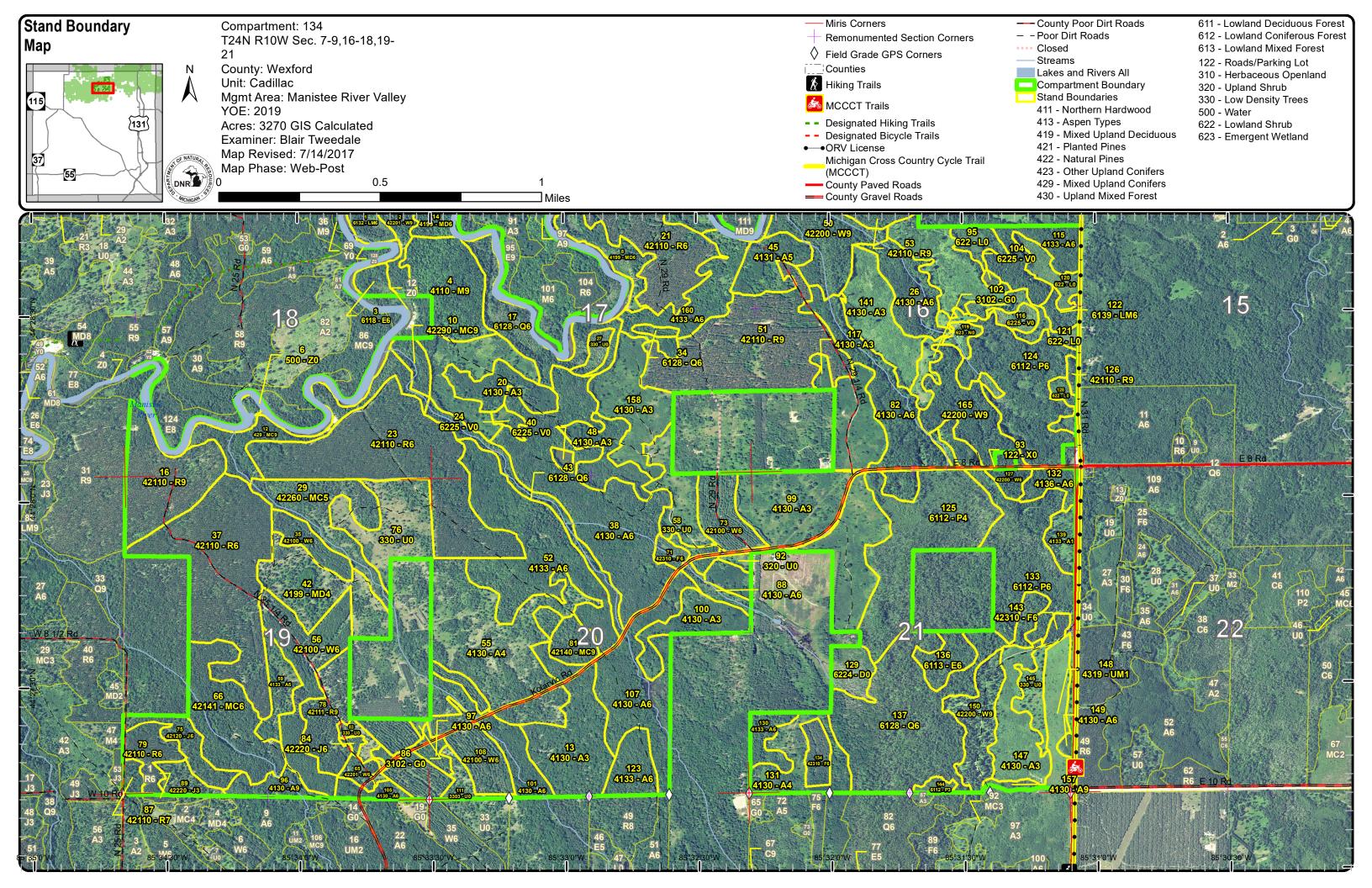
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

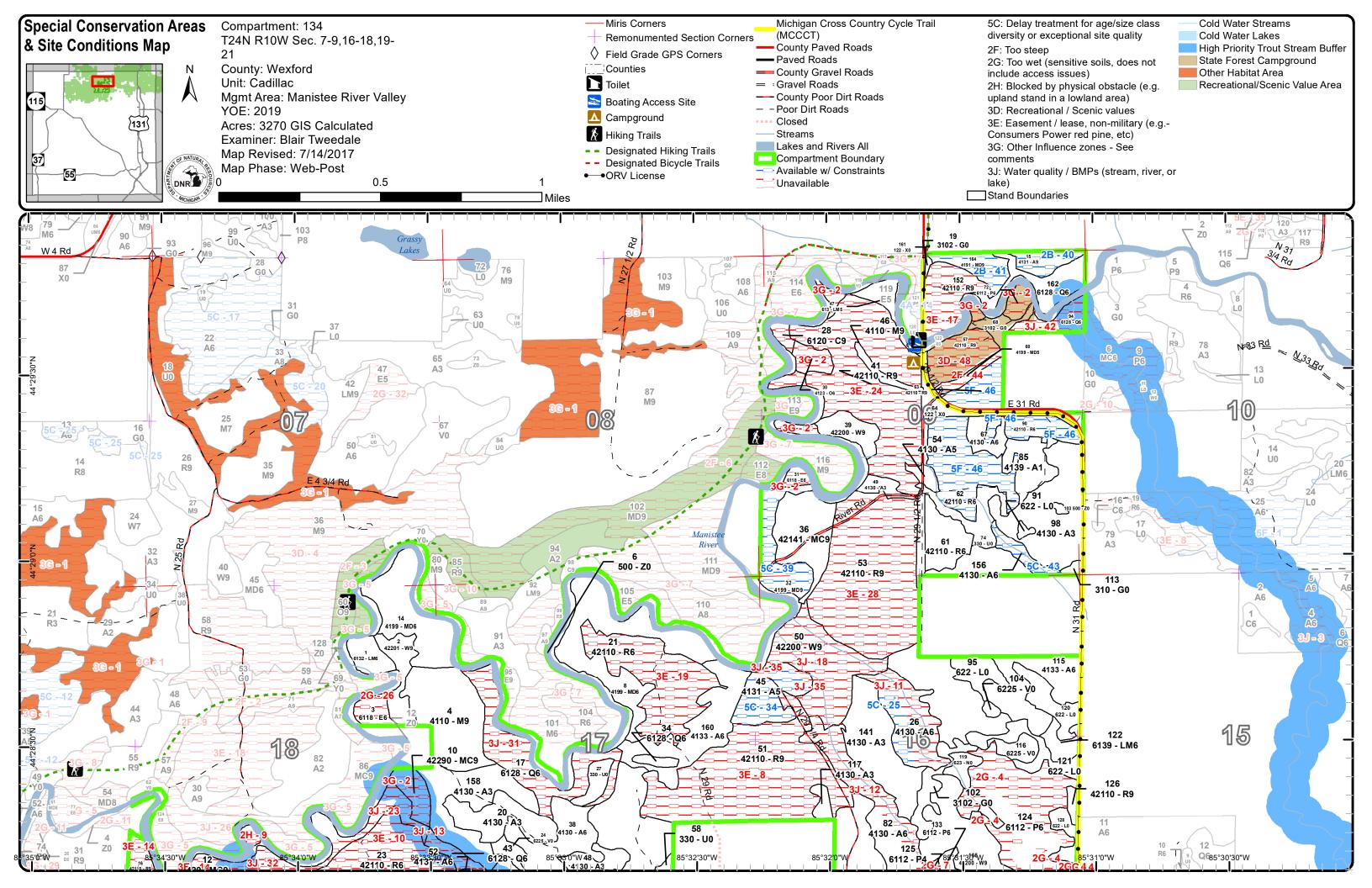


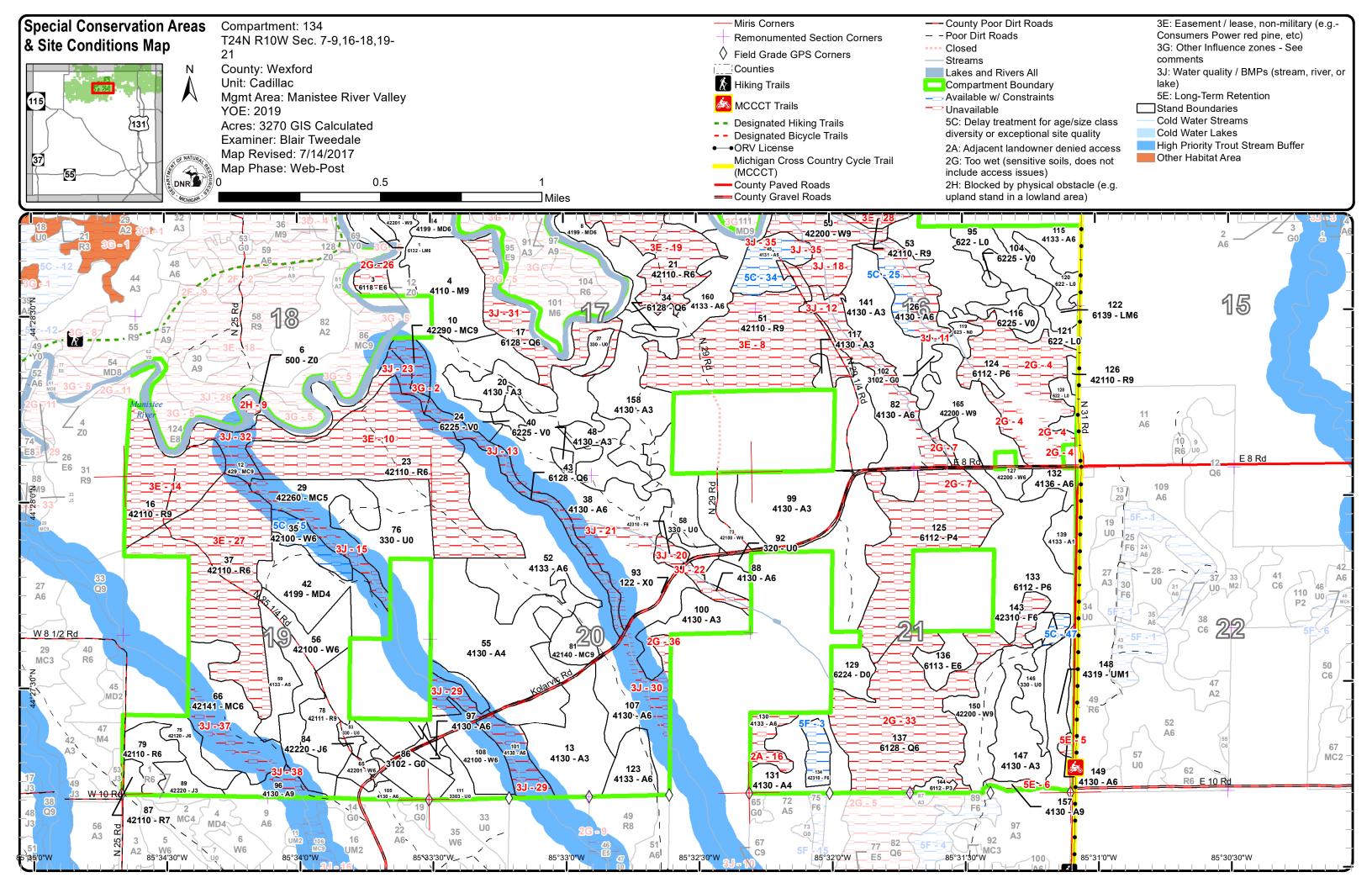












Compartment 134 Year of Entry 2019

Blair Tweedale: Examiner

Cadillac Mgt. Unit



Age Class

	¥o.	LA OR CO	3 / 2	,	,	§ / §	S S S S S S S S S S S S S S S S S S S	, } \{	/ 8 / 5	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\$ \ &	\$ \\ \ge{8}	70,	, 2E	X. S.	, S. J. W.	ZE Z	St Tres	No. No.
Aspen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1093
Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Herbaceous Openland	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Jack Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Low-Density Trees	944	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	944
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	211
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	183
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Shrub	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Marsh	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	148
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84
Red Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	704
Treed Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Upland Shrub	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Urban	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Water	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	255
Total	1184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	4099



Report 2 – Treatment Summary

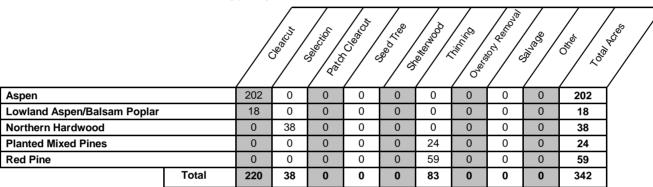
Cadillac Mgt. Unit Year of Entry: 2019

Acres of Harvest

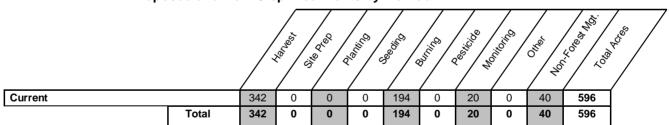
Compartment 134
Total Compartment Acres: 3,270

Commercial Harvest - 297 Harvests with Site Condition - 44 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Next Step Treatments:

Acceptable mixed hardwood species

Regen: Other

Look into future competition control on beech and ironwood in the understory.

Comment:

Proposed Start Date: 10/01/2018

63134019-NF 3102 - Grass 310 -0.6 Nonstocked Unspec NonForestMat **Brush Cutting** Proposal ified Herbaceous

Openland

Habitat Cut: No Site Condition:

Prescription Maintain in an open state. Brushing and cutting a few trees should accomplish this goal. In addition, native grasses and forbs as well as mast bearing

shrubs and trees may be planted. Treatment of invasive species as needed. Specs:

Next Step **Treatments:**

Acceptable Regen:

Other

Comment:

Habitat Cut: No

Proposed Start Date: 10/01/2018

36 63134036-Cut 24.0 42141 - Planted Sawtimber 67 141-Harvest Crown Thinning 429 - Mixed Even-Aged Proposal Mixed Pine, Mixed Well 170 **Upland Conifers** Deciduous

Site Condition:

Prescription Thin white and red pine to 80 sq. ft. Harvest maple and aspen.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Comment:

Proposed Start Date:

10/01/2018

63134038-Cut 89.7 4130 - Aspen Poletimber 61 111-Harvest Clearcut 413 - Aspen Even-Aged Proposal Well 140

Habitat Cut: No Site Condition:

Prescription Clearcut. Winter harvest only. Protect and buffer coldwater trout streams. Retention can be in the buffer corridors.

Specs:

Next Step **Treatments:**

Acceptable aspen, mixed pine, mixed deciduous

Regen:

Other Comment:

Proposed Start Date: 10/01/2018

Cadillac Mgt. Unit Report 3 -- Treatments Compartment: 134 s Year of Entry: 2019 а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Approval n Age Method Objective Status Name Range Structure d CoverType Density Age **Type** 55 63134055-165.5 4130 - Aspen Poletimber 48 1-50 Burn Opening 310 -Proposal Herbaceous Burn Poor Openland **Habitat Cut: No Site Condition:** Prescription Maintain in a mix of open to low density tree/shrub state. Burning is ideal with supplementation by brushing and planting native grasses and forbs as Specs: needed. Next Step **Treatments:** Acceptable Regen: Other Comment: Proposed Start Date: 10/01/2018 21.8 330 - Low-Density 58 63134058-Nonstocked Unspec Burn 310 -Proposal Opening Burn **Trees** ified Herbaceous Openland **Habitat Cut: No Site Condition:** Prescription Maintain in a mix of open to low density tree/shrub state. Burning is ideal with supplementation by brushing and planting native grasses and forbs as Specs: needed Next Step Treatments: <u>Acceptable</u> Regen: Other Comment: 10/01/2017 **Proposed Start Date:** 42110 - Planted Poletimber 63134062-Cut 171-4211 - Planted Proposal 343 45 Harvest Systematic Even-Aged Red Pine Thinning Red Pine **Habitat Cut: No** Site Condition: Evaluated for Forest Health Prescription third row thin. Specs: Next Step Acceptable N/A Regen:

Treatments:

Other

HRD is within a 1/4 mile. Consult Forest Health to determine the best plan of action for the pine in this area.

Comment:

Proposed Start Date: 10/01/2018

63134074-NF 330 - Low-Density **Brush Cutting** 310 -15.6 Nonstocked Unspec NonForestMgt Proposal

Trees

ified

Herbaceous

Openland

Habitat Cut: No Site Condition:

Prescription Possibly add part of this stand to adjacent sale.

Specs:

Maintain in an open state. Brushing and cutting some trees should accomplish this goal. In addition, native grasses and forbs as well as mast bearing shrubs and trees may be planted.

Next Step

Treatments:

<u>Acceptable</u> Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

Cadillac Mgt. Unit Report 3 -- Treatments Compartment: 134 s Year of Entry: 2019 а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Approval n Method Objective Status Name CoverType Density Age Structure d Range **Type** 63134079-Cut 42110 - Planted 171-4211 - Planted 79 15.0 Poletimber 64 Harvest Low Thinning Even-Aged Proposal Red Pine 200 Red Pine Well **Habitat Cut: No Site Condition:** Prescription Thin red pine to a residual 110-120 BA. Specs: Next Step Treatments: Acceptable Regen: Other Comment: Proposed Start Date: 10/01/2018 82 63134082-Cut 4130 - Aspen 51-80 22.2 Poletimber Harvest Clearcut 413 - Aspen Even-Aged Proposal Well **Habitat Cut: No Site Condition:** Prescription Clearcut. Buffer cold water stream. Specs: Next Step Treatments: Acceptable aspen and mixed deciduous Regen: Other Comment: **Proposed Start Date:** 03/24/2017 63134083-NF 330 - Low-Density Nonstocked Unspec NonForestMgt **Brush Cutting** 310 -Proposal Herbaceous ified Trees Openland **Habitat Cut: No Site Condition:** Prescription Maintain in an open state. Brushing and cutting a few trees should accomplish this goal. In addition, native grasses and forbs as well as mast bearing Specs: shrubs and trees may be planted. Next Step Treatments: Acceptable Regen: Other Comment: Proposed Start Date: 10/01/2018 63134090-Cut 42110 - Planted Poletimber 171-Harvest Systematic 4211 - Planted Even-Aged Proposal Thinning Red Pine Red Pine Well 200

Habitat Cut: No

Site Condition: Evaluated for Forest Health

Prescription third row thin.

Specs:

Next Step **Treatments:**

Acceptable N/A

Regen:

Other HRD is within a 1/4 mile. Consult Forest Health to determine the best plan of action for the pine in this area.

Comment:

Proposed Start Date: 10/01/2018

Cadillac Mgt. Unit Report 3 -- Treatments Compartment: 134 s Year of Entry: 2019 а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Approval n Method Objective Status Name Density Structure d CoverType Age Range **Type** 63134092-NF 2.3 320 - Upland Shrub Nonstocked 310 -92 Unspec NonForestMgt **Brush Cutting** Proposal Herbaceous ified Openland **Habitat Cut: No Site Condition:** Prescription Maintain in an open state. Brushing and cutting a few trees should accomplish this goal. In addition, native grasses and forbs as well as mast bearing shrubs and trees may be planted. Treatment of invasive species as needed. Specs: Next Step Treatments: Acceptable Regen: Other Comment: **Proposed Start Date:** 10/01/2018 63134102-NF 10.9 3102 - Grass Nonstocked Unspec NonForestMgt **Brush Cutting** 310 -Proposal ified Herbaceous Openland **Habitat Cut: No Site Condition:** Prescription Maintain in an open state. Brushing and cutting a few trees should accomplish this goal. In addition, native grasses and forbs as well as mast bearing Specs: shrubs and trees may be planted. Next Step Treatments: <u>Acceptable</u> Regen: **Other** Comment: 10/01/2018 **Proposed Start Date:** 107 63134107-Cut Poletimber 38.5 4130 - Aspen 51 81-110 413 - Aspen Proposal Harvest Clearcut Even-Aged **Habitat Cut: No Site Condition:** Prescription Final harvest. Lowland area will be long term retention. Leave a few scattered white pine. Specs: Next Step **Treatments:** Acceptable Aspen with mixed deciduous and mixed pine. Regen: Other Comment: **Proposed Start Date:** 10/01/2018 111 63134111-7.0 3303 - Mixed Low Nonstocked Unspec Burn 310 -Proposal Opening **Density Trees** ified Herbaceous Burn Openland

Prescription Maintain in a mix of open to low density tree/shrub state. Burning is ideal with supplementation by brushing and planting native grasses and forbs as

Other Comment:

Specs:

Next Step Treatments: Acceptable Regen:

Habitat Cut: No

Proposed Start Date: 10/01/2018

needed.

Site Condition:

Cadillac Mgt. Unit Report 3 -- Treatments Compartment: 134 s Year of Entry: 2019 а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Approval n Age Density Method Objective Status Name Range Structure d CoverType Age **Type** 63134115-Cut 115 26.1 4133 - Aspen, Mixed Poletimber 58 51-80 Harvest Clearcut with 413 - Aspen Even-Aged Proposal Pine Well Retention **Habitat Cut: No Site Condition:** Prescription Final harvest aspen and maple. Leave scattered white pine. Leave a retention pocket in the east end. Specs: Next Step Treatments: Acceptable aspen, maple and white pine. Regen: Other Comment: Proposed Start Date: 10/01/2018 119 63134119-NF 6.0 623 - Emergent Nonstocked Unspec NonForestMat **Brush Cutting** 6239 - Mixed Proposal Wetland ified **Emergent** Wetland **Habitat Cut: No Site Condition:** Prescription If trees are filling this marshy area they will be cut to maintain a more open marsh type. Upland areas to be brushed with adjacent stand. Specs: Next Step **Treatments:** Acceptable Regen: Other Comment: **Proposed Start Date:** 10/01/2018 123 63134123-Cut 16.1 4133 - Aspen, Mixed Poletimber 81-110 Harvest Clearcut with 4133 - Aspen. Even-Aged Proposal Pine Well Retention Mixed Pine **Habitat Cut: No Site Condition:** Prescription Harvest all species. Leave scattered oak, white pine and red pine. Specs: Next Step **Treatments:**

Acceptable aspen along with other deciduous and mixed pine.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

124 63134124-Cut 6112 - Lowland 18.4

Aspen Well Aspen

Poletimber

Harvest

Clearcut

6112 - Lowland

Even-Aged

Habitat Cut: No Site Condition:

Prescription Clear cut portions of stand that are above the water table. Areas with tag alder in the understory should be avoided during sale prep. Leave some Specs:

81-110

white pine. No retention pockets needed.

Next Step Treatments:

Acceptable Aspen, red maple, white pine

Regen: Other

Comment:

Proposed Start Date: 03/13/2017 Proposal

Cadillac Mgt. Unit Report 3 -- Treatments Compartment: 134 s Year of Entry: 2019 а **Treatment Cover Type Treatment** Acres Stand Size Stand BA **Treatment** Age **Approval** n Name Density Age Method Objective Structure Status CoverType Range Type d 132 63134132-Cut 8.9 4136 - Aspen, Mixed Poletimber 53 81-110 Clearcut 413 - Aspen Even-Aged Proposal Harvest Conifer Well **Habitat Cut: No Site Condition:** <u>Prescription</u> Final harvest. Leave scattered White pine for structural diversity. Specs: Next Step Treatments: Acceptable aspen, maple, balsam fir, white pine Regen: Other Comment: Proposed Start Date: 10/01/2018 Sapling 63134148-20.3 4319 - Mixed 2 Immatu Monitoring Artificial 42111 - Planted Even-Aged Approved Proposal **Upland Forest** Poor Regen(3yr) Red Pine, Mixed Monitor re Deciduous **Habitat Cut: No Site Condition:** Prescription monitor in 2018 year three. Specs:

Next Step Treatments:

Acceptable Planted red pine with mixed other upland hardwood and conifer.

Regen:

Other Comment:

Proposed Start Date: 10/01/2018

Total Treatment 596.4 Acreage Proposed:

Compartment: 134

Cadillac Mgt. Unit

Blair Tweedale : Examiner Year of Entry: 2019

Availa	ability for	Managemer	nt													
Total	Acres	Acres Avail	Acres	De	omina	nt Site	e Cond	dition	s							
Acres	Available	With Condition	Not Available		2B	5C	5F	2A	2F	2G	2H	3D	3E	3G	3J	5E
1092	929	40	123	Aspen	8	32		11		6					102	5
12	12	0	0	Bog												
10	0	0	10	Cedar										10		
18	13	0	5	Herbaceous Openland										5		
25	25	0	0	Jack Pine												
115	115	0	0	Low-Density Trees												
211	87	0	124	Lowland Aspen/Balsam Poplar						119				5		
183	17	0	165	Lowland Conifers						105					60	
21	12	0	9	Lowland Deciduous						6				3		
20	20	0	0	Lowland Mixed Forest												
36	36	0	0	Lowland Shrub												
6	6	0	0	Marsh												
148	115	28	4	Mixed Upland Deciduous	10	18			4							
44	21	0	24	Natural Mixed Pines										8	16	
42	42	0	0	Northern Hardwood												
6	0	0	6	Oak										6		
83	71	0	13	Planted Mixed Pines											13	
704	61	56	586	Red Pine			56					16	571			
12	12	0	0	Treed Bog												
32	0	0	32	Upland Conifers							5		0		27	
20	20	0	0	Upland Mixed Forest												
2	2	0	0	Upland Shrub												
17	0	12	5	Upland Spruce/Fir		3	9								5	
26	26	0	0	Urban												
128	3	0	126	Water					0	0				126	0	
255	205	13	38	White Pine		13				0					38	
3,269	1,850	150	1,270	Total Forested Acres	18	66	65	11	4	237	5	16	571	163	260	5
	57%	5%	39%	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.

0	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
2	Unavailable	3G: Other Influence zones - See comments	34	Unspecified	Unspecified	Unspecified	Unspecified

Cadillac Mgt. Unit
Blair Tweedale: Examiner

3	Available	5F: Evaluated for Forest Health Considerations	9	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
ļ	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	43	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	76	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	90	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Cadillac Mgt. Unit

Blair Tweedale : Examiner

9	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
10	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	105	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	17	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	19	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
14	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	47	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

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15	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
16	Unavailable	2A: Adjacent landowner denied access	11	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
17	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	18	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Consumers Pine						
18	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	38	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
19	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	45	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
20	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

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21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
22	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
23	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
24	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	81	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Small acreage star	nd that would take some work to	get to	cold water stream crossi	ng, aspen regen.		
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

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27	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	98	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
28	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	88	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
29	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	24	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
30	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
31	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	33	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
32	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

Cadillac Mgt. Unit

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33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	105	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
35	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
36	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
37	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
38	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

Cadillac Mgt. Unit

Compartment: 134 Year of Entry: 2019 Blair Tweedale : Examiner

39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
A	Comments: Areas of stand that If the Manistee riv	it are heavy to aspen, let progres	ss to an c	oak/maple type. Stand is	small and is adjacent to p	rivate land, and is partially	located on a lower flat
40	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
41	Available	2B: Unknown if access through adjacent landowner(s) is possible	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Some slope on we	est end. Harvest only if access is	granted	to stand 15.			
42	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
43	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
44	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

Cadillac Mgt. Unit

Compartment: 134 Year of Entry: 2019 Blair Tweedale : Examiner

45	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Delay treatment. H	arvest next entry with the white	pine al	ong Kolarvic Road,			
46	Available	5F: Evaluated for Forest Health Considerations	56	Unspecified	Unspecified	Unspecified	Unspecified
_	Comments: IRD is in the imme	ediate area.					
47	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	5T: Contigency Treatment for Forest Health Concerns	Unspecified	Unspecified	Unspecified
C	Comments:						
48	Unavailable	3D: Recreational / Scenic values	16	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:	ediate area.					

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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				

Cadillac Mgt. Unit Compartment: 134
Year of Entry 2019





* 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.

Conservation Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen condition stocked trout populations and those of other coldwater fish speciconditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	ies to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish specified year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ies (e.g., slimy sculpin) to persist from se conditions due to substantial
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effect as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian cts on water quality and quantity, as well

S t	Cadillad	: Mgt. Unit		Report 7	- Forested	Stands Compartment: 134 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	7.6	125	Unspecified	Stand occurs along river flats
2	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	11.5	78	81-110	Stand was harvested in the early 2000s.
3	6118 - Lowland Deciduous with Cedar	Poletimber Well	6.1	63	Unspecified	Occurs on the river flats.
4	4110 - Sugar Maple Association	Sawtimber Well	38.4	94	111-140	beautiful hardwood stand. Basal areas taken: 140 160 110 130 150 120
8	4199 - Other Mixed Upland Deciduous	Poletimber Well	43.7	26	51-80	pole size oak and aspen, with large aspen along river.
10	42290 - Natural Mixed Pine	Sawtimber Well	8.0	120	81-110	Drop off to creek. Large trees along bank.
12	429 - Mixed Upland Conifers	Sawtimber Well	31.8	95	81-110	Steep bank down to Manistee River.
13	4130 - Aspen	Sapling Well	51.7	32	Immature	
14	4199 - Other Mixed Upland Deciduous	Poletimber Well	31.6	36	81-110	Lower flat on Manistee River. Has been harvested in the past.
15	4131 - Aspen, Oak	Sawtimber Well	7.8	78	81-110	Older aspen stand starting to fall apart. Access issues.
16	42110 - Planted Red Pine	Sawtimber Well	46.9	65	111-140	Consumers Power Plantation
17	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	32.8	125	51-80	Stand is a mix of cedar, spruce, fir, birch, and aspen along with a few springs and wet areas.
20	4130 - Aspen	Sapling Well	19.5	16	1-50	Aspen regen
21	42110 - Planted Red Pine	Poletimber Well	44.5	65	111-140	Consumers Power Plantation. Timber rights reserved.
23	42110 - Planted Red Pine	Poletimber Well	105.2	65	111-140	consumers pine
26	4130 - Aspen	Poletimber Well	25.4	53	51-80	Aspen stand. May be able to harvest west side of stand. Buffer stream running through stand
28	6120 - Lowland Cedar	Sawtimber Well	10.2	125	51-80	

S t	Cadillac	: Mgt. Unit		Report 7	- Forested	Stands Compartment: 134 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	36.3	48	51-80	Blind Creek runs through stand. Age is hard to collect due to the variability of sizes of all species in the stand. Some areas are planted white and jack pine. Other areas are dominated by natural regeneration of jack and white pine.
30	4123 - Red Oak	Poletimber Well	5.9	46	81-110	Open oak stand used for dispersed camping along the Manistee River
31	6118 - Lowland Deciduous with Cedar	Poletimber Well	2.9	87	111-140	
32	4199 - Other Mixed Upland Deciduous	Sawtimber Well	18.0	85	81-110	
34	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	2.4	86	111-140	Very wet. Mostly hemlock with hardwoods.
35	42100 - Planted White Pine	Poletimber Well	12.6	58	171-200	
36	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	25.3	67	141-170	
37	42110 - Planted Red Pine	Poletimber Well	97.8	55	141-170	Consumer pine
38	4130 - Aspen	Poletimber Well	104.3	61	111-140	may be able to harvest some of the stand away from the coldwater trout streams.
39	42200 - Natural White Pine	Sawtimber Well	9.4	65	111-140	Natural white pine with young aspen. BA, species composition, and size varies throughout stand.
41	42110 - Planted Red Pine	Sawtimber Well	80.9	67	111-140	This is Consumers Energy Pine
42	4199 - Other Mixed Upland Deciduous	Poletimber Poor	40.1	62	1-50	
43	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	19.1	85	51-80	Riparian area along Apple Creek.
45	4131 - Aspen, Oak	Poletimber Medium	19.7	48	51-80	Open aspen oak stand located on top of river bank. stand is made up of various size/age aspen clones, with poor quality aspen/oak throughout. Used for dispersed camping.
46	4110 - Sugar Maple Association	Sawtimber Well	3.4	93	1-50	Occurs on side slope in middle of consumers pine.
47	613 - Lowland Mixed Forest	Poletimber Medium	6.0	67	Unspecified	

S	Cadillad	c Mgt. Unit		Report 7	– Forested	Stands Compartment: 134 Year of Entry: 2019
t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
48	4130 - Aspen	Sapling Well	20.3	16	1-50	
49	4130 - Aspen	Sapling Well	4.3	22	1-50	
50	42200 - Natural White Pine	Sawtimber Well	38.3	87	81-110	Stand occurs within the riparian area of creek with steep banks.
51	42110 - Planted Red Pine	Sawtimber Well	89.6	65	111-140	Timber owned by Consumers Power.
52	4133 - Aspen, Mixed Pine	Poletimber Well	75.6	46	51-80	small diameter aspen. Red pine and white pine pocket has been thinned recently (approx. 10 years). scattered mature white pine also. white pine regeneration thick along skid trails.
53	42110 - Planted Red Pine	Sawtimber Well	88.1	53	111-140	consumers pine
54	4130 - Aspen	Poletimber Medium	3.0	42	51-80	low density aspen.
55	4130 - Aspen	Poletimber Poor	76.6	48	1-50	Multipule young aspen clones dispersed throughout the area. Some open areas possible to burn.
56	42100 - Planted White Pine	Poletimber Well	44.8	57	141-170	
57	42110 - Planted Red Pine	Sawtimber Well	15.6	64	141-170	
59	4133 - Aspen, Mixed Pine	Poletimber Medium	14.0	47	1-50	
60	4199 - Other Mixed Upland Deciduous	Poletimber Medium	3.8	85	1-50	Occurs on slope and drainage along BBCampground, and btw Pine plantations.
61	42110 - Planted Red Pine	Poletimber Well	14.2	45	141-170	
62	42110 - Planted Red Pine	Poletimber Well	34.3	45	171-200	
63	42110 - Planted Red Pine	Sawtimber Well	12.2	64	141-170	
65	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	5.2	37	81-110	
66	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Well	47.4	63	81-110	white, red and jack pine dominate varying areas of this stand. Filer creek runs through stand.

S t	Cadillad	Cadillac Mgt. Unit			- Forested	Stands Compartment: 134 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
67	4130 - Aspen	Poletimber Well	6.7	45	51-80	Patchy aspen surrounded by red pine plantation
71	42310 - Planted Spruce	Poletimber Well	4.6	57	171-200	retain for diversity. stream runs through stand.
72	6112 - Lowland Aspen	Poletimber Well	5.3	72	111-140	
73	42100 - Planted White Pine	Poletimber Well	20.5	57	51-80	Some poor form WP in plantation.
75	42120 - Planted Jack Pine	Poletimber Well	15.0	56	111-140	
78	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	25.7	72	111-140	variable size and density red pine stand with some deciduous scattered. Has a natural pine stand appearance.
79	42110 - Planted Red Pine	Poletimber Well	15.0	64	171-200	red pine needs thinning.
81	42140 - Planted Mixed Pine	Sawtimber Well	10.8	72	111-140	
82	4130 - Aspen	Poletimber Well	48.1	53	51-80	Aspen stand. May be able to harvest west side of stand. Buffer stream running through stand
84	42220 - Natural Jack Pine	Poletimber Well	1.6	42	51-80	
85	4139 - Aspen, Mixed Deciduous	Sapling Poor	13.2	22	Immature	
87	42110 - Planted Red Pine	Sawtimber Poor	4.1	64	1-50	
88	4130 - Aspen	Poletimber Well	5.8	51	51-80	
89	42220 - Natural Jack Pine	Sapling Well	8.6	15	51-80	patches of aspen mixed with young jack pine regen. a few scattered oaks.
90	42110 - Planted Red Pine	Poletimber Well	9.9	45	171-200	red pine
94	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	8.4	92	111-140	
96	4130 - Aspen	Sawtimber Well	10.6	45	111-140	
97	4130 - Aspen	Poletimber Well	7.2	34	1-50	variable and clonal aspen. varying age, size and density.

S	Cadillad	Cadillac Mgt. Unit			– Forested	Stands Compartment: 134 Year of Entry: 2019
t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
98	4130 - Aspen	Sapling Well	51.6	5	Immature	Stand cut sale #63-15-09-01 Baxter Corners
99	4130 - Aspen	Sapling Well	81.0	5	Immature	Stand cut sale # 63-017-09-01
100	4130 - Aspen	Sapling Well	29.3	16	1-50	Cut closed out in 1/17/00
101	4130 - Aspen	Poletimber Well	24.2	44	51-80	multipule sized clones of aspen. Stand also contains the riparian area of apple creek.
105	4130 - Aspen	Poletimber Well	6.7	47	51-80	Aspen extends in to the compartment to the south.
107	4130 - Aspen	Poletimber Well	52.6	51	81-110	Aspen stand with white pine in the understory. Understory density varies.
108	42100 - Planted White Pine	Poletimber Well	48.8	57	51-80	
115	4133 - Aspen, Mixed Pine	Poletimber Well	26.1	58	51-80	White pine heavier on west end of stand.
117	4130 - Aspen	Sapling Well	3.3	5	Immature	Harvested with sale # 63-017-09-01 Kolarvic Project
122	6139 - Mixed Lowland Forest	Poletimber Well	5.9	67	51-80	aspen areas are very wet with medium to heavy tag alder in the understory.
123	4133 - Aspen, Mixed Pine	Poletimber Well	16.1	71	81-110	variable stand dominated by smaller aspen with others mixed in. pocket of white in the north end.
124	6112 - Lowland Aspen	Poletimber Well	61.0	61	81-110	
125	6112 - Lowland Aspen	Poletimber Poor	76.2	48	1-50	Lowland dominated stand. Too wet to harvest. Variable species and densities.
126	42110 - Planted Red Pine	Sawtimber Well	2.2	75	141-170	
127	42200 - Natural White Pine	Poletimber Well	5.4	82	111-140	
130	4133 - Aspen, Mixed Pine	Poletimber Well	10.5	58	81-110	Access only across Pvt parcel to the north. 3 seperate land owners own individual 40ac parcels. Acces required across a minimum of 2 parcels.
131	4130 - Aspen	Poletimber Poor	25.7	42	1-50	Open with scattered aspen clones or vaarious quality.

S t	Cadillac Mgt. Unit			Report 7	– Forested	Stands Compartment: 134 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
132	4136 - Aspen, Mixed Conifer	Poletimber Well	8.9	53	81-110	
133	6112 - Lowland Aspen	Poletimber Well	65.7	44	1-50	aspen stand with pockets of white pine.
134	42310 - Planted Spruce	Poletimber Well	9.0	55	111-140	W Spruce Planted in 1962.
136	6113 - Lowland Maple	Poletimber Well	12.4	52	81-110	Wet. Lots of balsam fir has blown down.
137	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	105.2	89	81-110	aspen and balsam falling out. wet.
139	4133 - Aspen, Mixed Pine	Sapling Poor	9.5	6	1-50	Stand was cut in Winter of 2011. Scattered white pine logs left, along with any cedar and oaks.
141	4130 - Aspen	Sapling Well	90.5	5	Immature	Harvested with sale # 63-017-09-01 Kolarvic Project
143	42310 - Planted Spruce	Poletimber Well	3.4	58	81-110	
144	6112 - Lowland Aspen	Sapling Well	2.8	20	Immature	
147	4130 - Aspen	Sapling Well	29.8	4	1-50	Stand cut with sale 63-020-09-01 134 SE Mix
148	4319 - Mixed Upland Forest	Sapling Poor	20.3	2	Immature	Stand final harvested and chipped. Planted to red pine. Year one survey in 2016 reported 532 TPA red pine with 705 TPA of other non target species.
149	4130 - Aspen	Poletimber Well	1.8	55	81-110	
150	42200 - Natural White Pine	Sawtimber Well	26.0	63	51-80	stand was thinned last entry.
152	42110 - Planted Red Pine	Sawtimber Well	17.9	64	111-140	Consumers Power pine stand. Age listed is an estimate. No planting records currently on file for this stand.
156	4130 - Aspen	Poletimber Well	5.9	39	Unspecified	Cut portion of stand ready for harvest. Stand cut sale #63-072-09-
157	4130 - Aspen	Sawtimber Well	2.8	56	51-80	Long term retention
158	4130 - Aspen	Sapling Well	70.1	5	Immature	Harvested with sale # 63-017-09-01 Kolarvic Project

S t	Cadillac Mgt. Unit			Report 7	Forested	Stands Compartment: 134 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
160	4133 - Aspen, Mixed Pine	Poletimber Well	31.5	47	81-110	stand has poor quality aspen, with some higher quality pockets. Age/size/quality of aspen varies throughout stand. large bluff along east edge.
162	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	14.9	86	81-110	
164	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	10.4	78	81-110	
165	42200 - Natural White Pine	Sawtimber Well	33.0	47	111-140	portions of stand Harvested with sale # 63-017-09-01 Kolarvic Project.



Stand	Cover Type	Acres	Managed Site	General Comments:
6	500 - Water	127.7	No	Manistee River
19	3102 - Grass	0.6	No	
24	6225 - Bog	3.3	No	
27	330 - Low-Density Trees	5.5	No	
40	6225 - Bog	2.3	No	
58	330 - Low-Density Trees	21.8	Yes	
64	122 - Road/Parking Lot	13.1	No	Road and small grass opening on a county road intersection.
68	3102 - Grass	5.1	No	campground
74	330 - Low-Density Trees	15.6	No	
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	



Stand	Cover Type	Acres	Managed Site	General Comments:
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
76	330 - Low-Density Trees	48.8	Yes	Multiple young aspen clones dispersed throughout the area. Some open areas possible to burn.
83	330 - Low-Density Trees	4.9	No	
86	3102 - Grass	1.2	No	Recently cut Jack Pine, which is now converting naturaly to mix of aspen, maple and jack. Cut in May of 2011.
91	622 - Lowland Shrub	1.1	No	
92	320 - Upland Shrub	2.3	No	
93	122 - Road/Parking Lot	11.6	No	
95	622 - Lowland Shrub	8.4	No	

Report 8 - Nonforested Stands



Stand	Cover Type	Acres	Managed Site	General Comments:
102	3102 - Grass	9.4	No	Grass
103	500 - Water	0.7	No	
104	6225 - Bog	1.3	No	
111	3303 - Mixed Low Density Trees	7.0	No	
113	310 - Herbaceous Openland	1.5	No	
116	6225 - Bog	5.4	No	
119	623 - Emergent Wetland	6.0	No	Low wet area
120	622 - Lowland Shrub	10.5	No	
121	622 - Lowland Shrub	10.8	No	
128	622 - Lowland Shrub	5.5	No	
129	6224 - Treed Bog	11.8	No	
145	330 - Low-Density Trees	11.2	No	
161	122 - Road/Parking Lot	1.1	No	