

Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63150

Entry Year 2022

Acreage: 1,650

County Wexford

Management Area: Manistee River Valley

Revision Date: 2020-04-02

Stand Examiner: Joe Ventimiglia

Legal Description:

T24N, R10W, Sections 1-3,10-12.

Identified Planning Goals:

Vegetation management in the Manistee River Valley Management Area 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

Soil and topography:

Rubicon-Montcalm-Graycalm, Nester-Kawkawlin-Manistee and Tawas-Croswell-Lupton.Generally flat and poorly drained with perched water tables in spots. Local sharp relief around the Manistee River and the many tributaries flowing into it.

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

The "Retreat Subdivision", a private development of approximately 5 seasonal and year-round homes overlooking the Manistee is located in S1/2SWNE of section 10. A large pipeline corridor and a separate electric corridor traverse sections 11 & 12. A small private parcel on the south bank of the Manistee River located in the NW corner of section 10. This parcel has a legal easement over an existing two-tract road that crosses the Silver Creek on an abandoned bridge. The owner is currently planning on developing a home site on this property. Consumers' Energy owns timber rights on all of the significant red pine plantations within the compartment.

Unique Natural Features:

Natural Features Inventory lists Wood Turtles along the Manistee River.

Archeological, Historical, and Cultural Features:

Several listed in the Archaeological Features list Secretary Of State, Historical Division.

Special Management Designations or Considerations:

Preserve water quality by using BMPs. The Manistee is being nominated for Natural River Status and management plans should follow the guidelines set for the River.

Watershed and Fisheries Considerations:

The Manistee River, Buttermilk Creek, and Silver Creek are located within this compartment. The Manistee River has been recommended for designation as a Natural River under Part 305 of Act 451. Therefore, according to the Natural Rivers Management Plan draft (page 70), no cutting should take place within 175 feet of the Manistee River. No cutting should take place within 75 feet of Buttermilk Creek, and no cutting should occur within 50 feet of Silver Creek or any of the other small tributaries in this area. Shade, limiting sediment input, and woody debris recruitment are crucial to trout streams. Restricting cutting to outside the appropriate buffers will help to maintain the temperatures and habitat required to maintain the health of these streams, and the watershed in general. Also, no active management for aspen regeneration should take place within 100 yards of the smaller streams like Silver Creek, Buttermilk Creek, and other tributaries. Young aspen is a prime source of food for beavers, and beavers have the potential to devastate trout streams. Mark Tonello

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, golden-winged warbler, mallard, pileated woodpecker, ruffed grouse, snowshoe hare, white-tailed deer, and wood duck. 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

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. Glacial drift thickness varies between 200 and 400 feet. There is over 80 feet of relief within the compartment. Beneath the Glacial Drift are the Mississippian Coldwater Shale and the Marshall Sandstone. The Marshall was previously used as a building stone. A gravel pit is located three miles to the north. Gravel potential is considered to be limited. This area lies six miles south of the prolific Silurian Niagaran reef trend. There does not appear to be any potential for Niagaran reefs in this area. This area is not currently leased for oil and gas and potential is limited. The compartment is mostly surface only.

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:

There are no survey needs in this compartment

Recreational Facilities and Opportunities:

Baxter Bridge State Forest Campground is located to the west of this compartment and provides over 24 camping sites and access to the Manistee River for fishing and canoeing opportunities. In addition there are several road end camping sites located on the Manistee River that provide semi wilderness camping experience. Both the Silver and Buttermilk Creeks also provide excellent fishing challenges. Hunting opportunities in the compartment are excellent.

Fire Protection:

To be completed by fire.

Additional Compartment Information:

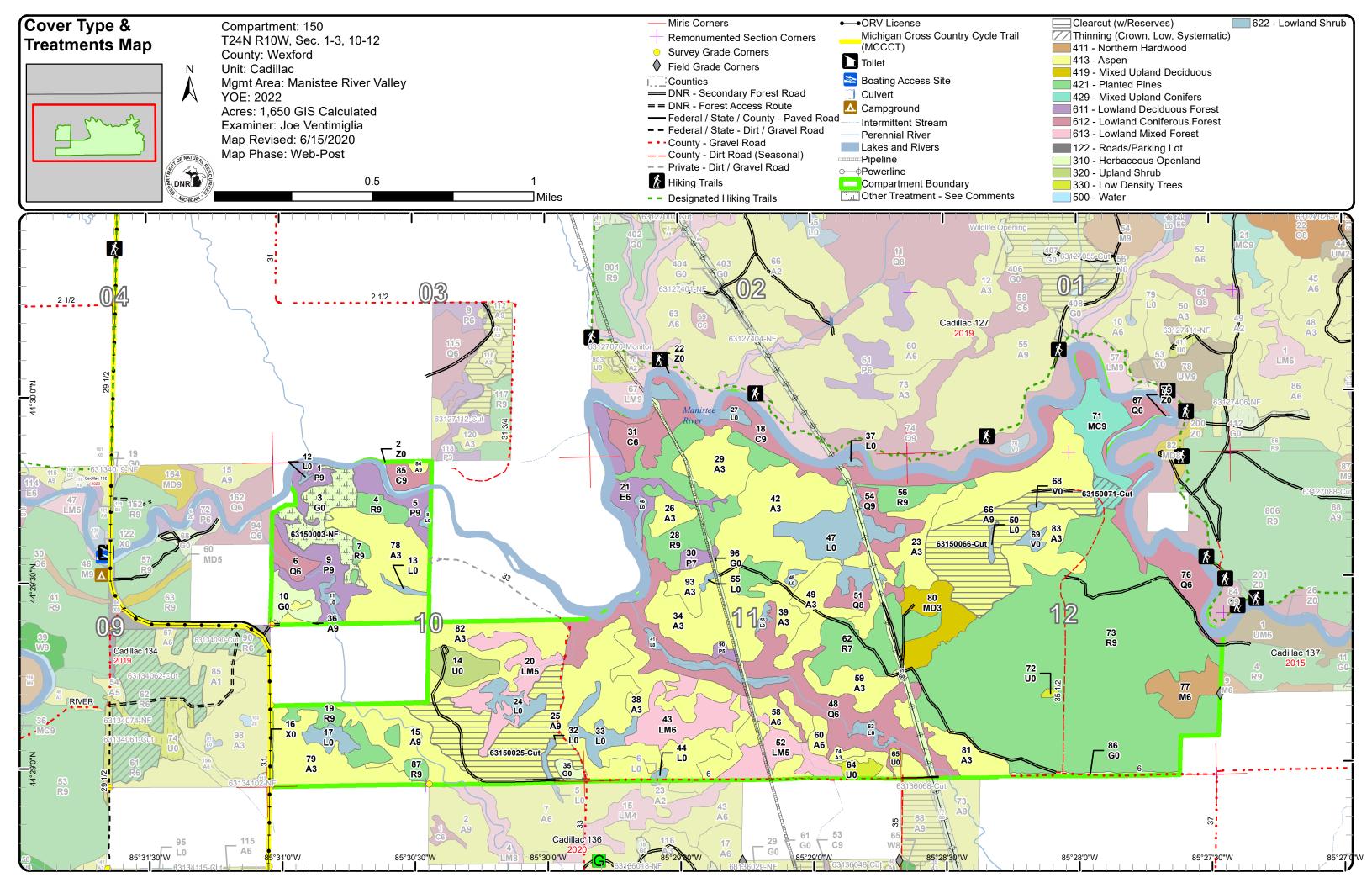
The following reports from the Inventory are attached:

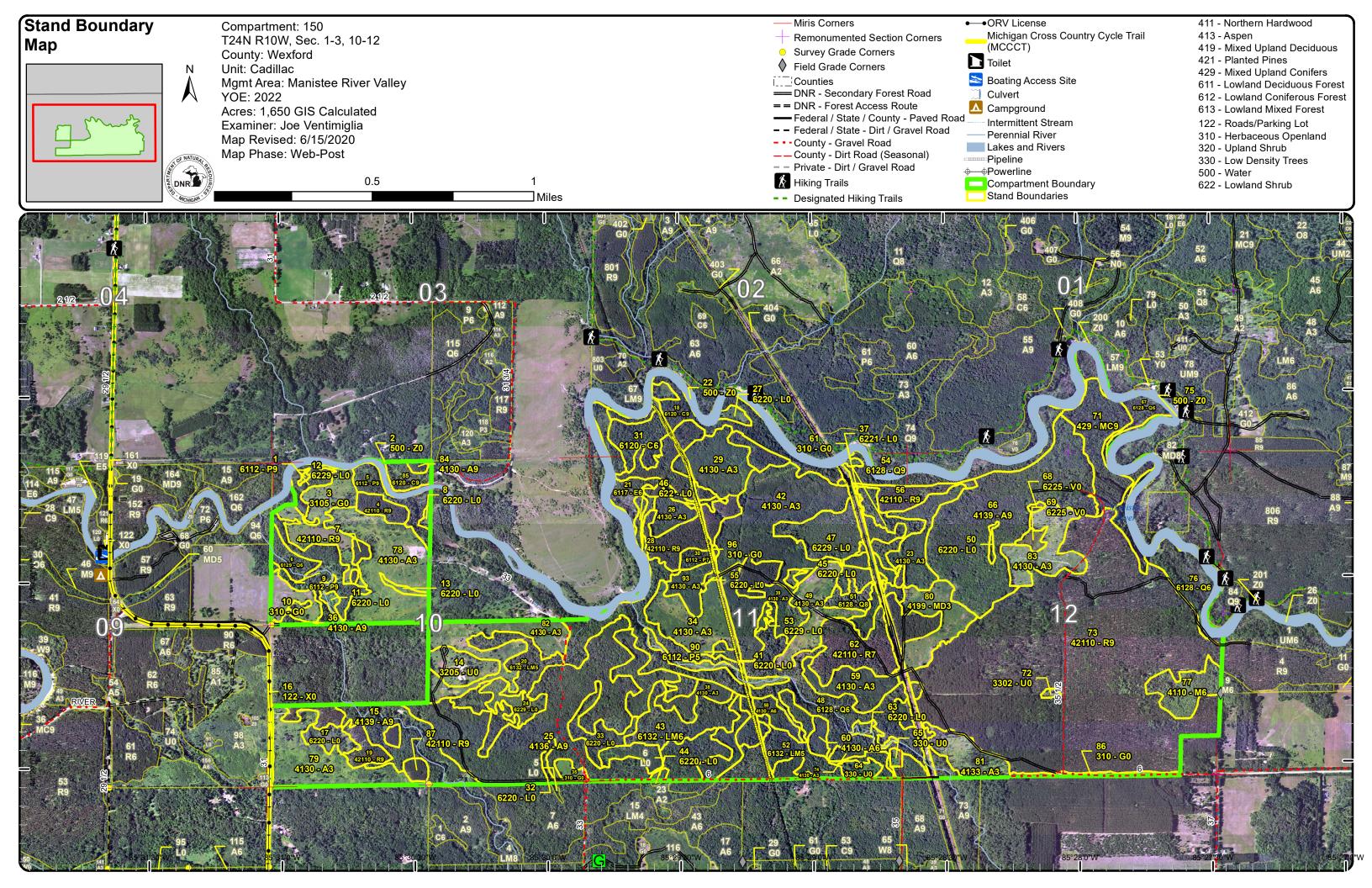
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

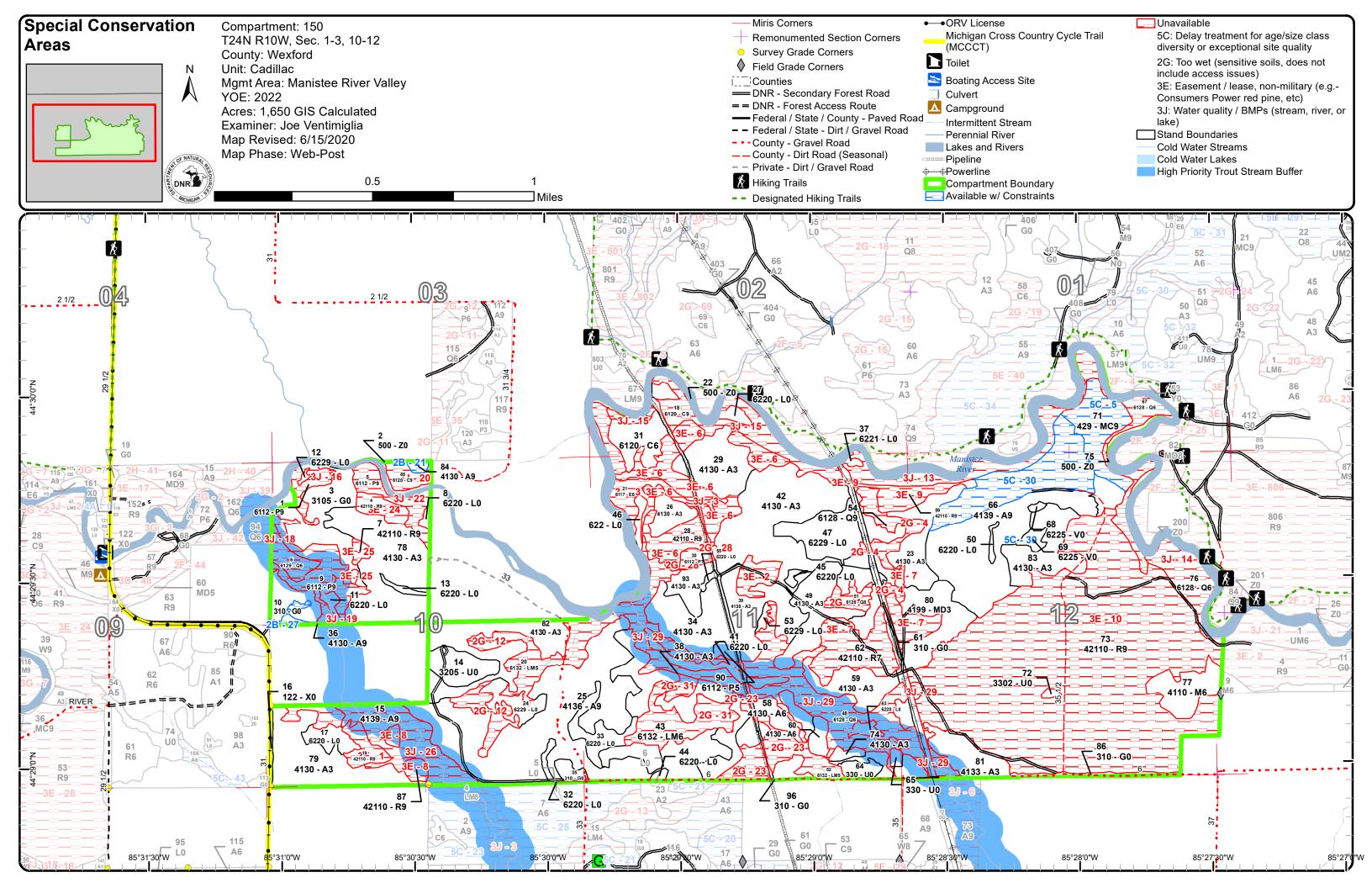
The following information is displayed, where pertinent, on the attached compartment maps:

Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries

Details on the road access system







Cadillac Mgt. Unit

Joe Ventimiglia: Examiner

Compartment 150 Year of Entry 2022



Age Class

	Jack Jack	KO E	8 / 2	0 / Q		3 / \$		3/8	8 / 2			8 /8	S Z	\$ \s				St Store	A A A A A A A A A A A A A A A A A A A
Aspen	0	188	130	66	0	24	200	32	0	0	0	0	0	0	0	0	0	0	640
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	6	0	37	0	0	0	0	0	0	43
Herbaceous Openland	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Aspen/Balsam Poplar	0	0	0	2	0	0	0	30	0	0	0	0	0	0	0	0	0	11	43
Lowland Conifers	0	0	0	0	0	0	0	7	0	0	0	12	0	0	0	0	0	145	163
Lowland Deciduous	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	16
Lowland Mixed Forest	0	0	0	0	0	0	24	0	23	0	0	20	0	0	0	0	0	0	67
Lowland Shrub	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81
Mixed Upland Deciduous	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Northern Hardwood	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	15
Red Pine	0	0	0	0	0	0	0	75	342	0	0	0	0	0	0	0	0	0	417
Upland Conifers	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	25
Upland Shrub	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Water	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Total	203	208	130	68	0	24	224	159	406	6	0	69	0	0	0	0	0	156	1652



Report 2 – Treatment Summary

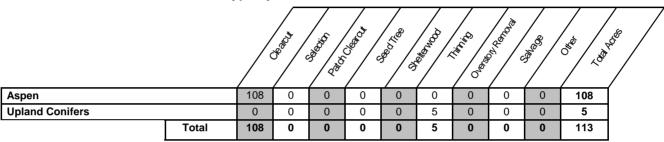
Cadillac Mgt. Unit Year of Entry: 2022

Acres of Harvest

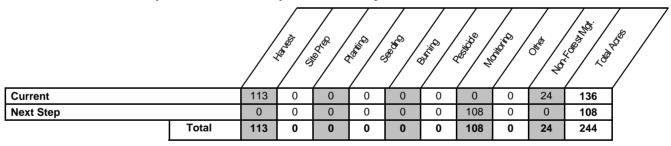
Compartment 150
Total Compartment Acres: 1,650

Commercial Harvest - 113
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Cadillac Mgt. Unit Report 3 -- Treatments Compartment: 150 S Year of Entry: 2022 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Density Method Objective Name CoverType Age Range Type Structure Cut d

Proposed Treatments:

63150003-NF 23.7 3105 - Mixed Nonstocked Unspec NonForestMgt Other - Specify 310 -No **Upland Herbaceous** ified Herbaceous Openland

Prescription Keep open.

Specs:

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021

63150025-Cut 56.1 4136 - Aspen, Sawtimber 54 81-110 Harvest Clearcut with 4134 - Aspen, Even-Aged Nο 25 Mixed Conifer Well Retention Spruce/Fir

Prescription Final Harvest leave retention 3 to 5 percent of total acreage. Leave any white pine over 20 inches in diameter. Leave any cedar or hemlock Specs: if present.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

<u>Acceptable</u> Aspen primarily with mix of fir, red maple and white pine.

Regen:

Other Map retention in MIFI. Frozen or dry summer condition harvest. Push into south end of stand 43 as much as upland conditions allow. (may not be much) Only portion of stand cut as a result of MA plan calling for less acres.

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

Clearcut with 63150066-Cut 51.6 4139 - Aspen, Sawtimber 58 81-110 Harvest 4136 - Aspen, Even-Aged No Mixed Deciduous Mixed Conifer Retention

Prescription Final Harvest leave all cedar and hemlock. As well leave retention island 3 to 5 percent of total acreage. Protect the few legacy white pine by leaving all white pine over 20 inches in diameter.

Specs:

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

<u>Acceptable</u> Aspen and red maple with mix of white pine.

Regen:

Map retention in MIFI. Winter or dry season harvest only. Protect drainages or small wet pockets as needed, consider including in retention Other Comment: island. Broke stand roughly in half. Use two track as north border of stand to break up age class.

Site Condition

Proposed Start Date: 10/1 /2021

Cadillac Mgt. Unit

Report 3 -- Treatments

Compartment: 150 Year of Entry: 2022



n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
71	63150071-Cut	5.0 4	29 - Mixed Upland	Sawtimbe	r 75	141-	Harvest	Low Thinning	429 - Mixed	Even-Aged	No

Conifers Well 170 Upland Conifers

Prescription Perform low thinning on red pine and white pine rows. Leave residual BA of 60 to 100. Cut all spruce by spec.

Specs:

S

t

Next Step Treatments:

Acceptable Not regen harvest but slowly push stand to mixed pine regen.

Regen:

Other Green mark or orange mark pine based on forester preference to get to BA residual. Keep in mind any BMP concerns along river and with small step down to river. Just cut this portion of stand 71 at this time, rest of stand will be thinned when north side of stand 66 is cut.

Site Condition

Proposed Start Date: 1 /29/2020

Total Treatment Acreage Proposed: 136.4

Cadillac Mgt. Unit

Joe Ventimiglia: Examiner

Compartment: 150 Year of Entry: 2022

Availa	ability for	Managemer	nt						
Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Con	dition	s
Acres	Available	With Condition	Not Available		2B	5C	2G	3E	3J
638	570	40	28	Aspen	4	36			28
3	3	0	0	Bog					
42	13	0	30	Cedar	0				30
60	60	0	0	Herbaceous Openland		0			
6	6	0	0	Low-Density Trees					
42	2	0	40	Lowland Aspen/Balsam Poplar			4		37
163	0	0	163	Lowland Conifers			18		145
16	0	0	16	Lowland Deciduous					16
67	0	0	67	Lowland Mixed Forest			67		
81	81	0	0	Lowland Shrub					
20	20	0	0	Mixed Upland Deciduous					
15	15	0	0	Northern Hardwood					
417	0	0	417	Red Pine				417	
25	5	20	0	Upland Conifers		20			
12	12	0	0	Upland Shrub					
1	1	0	0	Urban					
40	40	0	0	Water					
1,650	829	60	760	Total Forested Acres	4	56	88	417	256
<u> </u>	50%	4%	46%	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	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	12	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
(Consumers red pine).					

Report 4 – Site Conditions

Cadillac Mgt. Unit

Joe Ventimiglia: Examiner

2	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	16	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments:						
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
	the less it is still fea	s with step down bluff and BMP asible to thin this stand, although would be possible to thin the re	this v	vill be best accomplished who			
6	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	41	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Consumers lease.						

Report 4 – Site Conditions

Cadillac Mgt. Unit

Joe Ventimiglia: Examiner

7	Unavailable	3E: Easement / lease, non- military (e.g Consumers	33	Unspecified	Unspecified	Unspecified	Unspecified
		Power red pine, etc)					
	Comments:						
	Consumers pine le	ase.					
8	Unavailable	3E: Easement / lease, non-	5	Unspecified	Unspecified	Unspecified	Unspecified
		military (e.g Consumers Power red pine, etc)					
	Comments:						
9	Unavailable	3E: Easement / lease, non-	10	Unspecified	Unspecified	Unspecified	Unspecified
		military (e.g Consumers Power red pine, etc)					
	Comments:						
	Consumers Pine le	ease.					
10	Unavailable	3E: Easement / lease, non-	301	Unspecified	Unspecified	Unspecified	Unspecified
		military (e.g Consumers Power red pine, etc)					
	Comments:						
11	Unavailable	2G: Too wet (sensitive	6	Unspecified	Unspecified	Unspecified	Unspecified
		soils, does not include access issues)					
	Comments:						

Report 4 - Site Conditions

Cadillac Mgt. Unit
Joe Ventimiglia: Examiner

Compartment: 150 Year of Entry: 2022

Unspecified Unspecified Unspecified 12 Unavailable 2G: Too wet (sensitive 23 Unspecified soils, does not include access issues) Comments: 3J: Water quality / BMPs Unspecified Unspecified Unspecified 13 Unavailable 38 2F: Too steep (stream, river, or lake) Comments: Unspecified Unspecified Unspecified 14 Unavailable 3J: Water quality / BMPs 17 2F: Too steep (stream, river, or lake) Comments: 15 3J: Water quality / BMPs 2F: Too steep Unspecified Unspecified Unspecified Unavailable 24 (stream, river, or lake) Comments: 3J: Water quality / BMPs Unspecified Unspecified Unspecified 16 Unavailable 7 2G: Too wet (sensitive soils, does not include (stream, river, or lake) access issues) Comments: Combination of BMP with river and too wet. Not to mention every difficult access through private Retreat subdivision. 3J: Water quality / BMPs Unspecified Unspecified Unspecified Unspecified 18 Unavailable 7 (stream, river, or lake) Comments:

Report 4 – Site Conditions

Cadillac Mgt. Unit

Joe Ventimiglia : Examiner

19	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	19	2F: Too steep	Unspecified	Unspecified	Unspecified
C	comments:						
20	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
21	Available	2B: Unknown if access through adjacent landowner(s) is possible	1	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
22	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	2F: Too steep	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
	Comments: Combination of too	wet and drainages through stan	nd.				
24	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Consumers Red Pi	ine					

Report 4 – Site Conditions

Cadillac Mgt. Unit

Joe Ventimiglia: Examiner

25	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Consumers Red Pi	ne					
26	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	28	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments: Combination of BM	IP concerns around creek and s	teepnes	s of terrain.			
27	Available	2B: Unknown if access through adjacent landowner(s) is possible	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Too small to be co	mmercial timber sale, technically	need to	o cross private to access.			
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
29	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	83	2F: Too steep	Unspecified	Unspecified	Unspecified
C	Comments:						
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	36	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Breaking up stand	cut this portion of stand next YC	E.				

Report 4 - Site Conditions

Cadillac Mgt. Unit

Joe Ventimiglia : Examiner Year of Entry: 2022

Unavailable 2G: Too wet (sensitive soils, does not include access issues)

Unspecified Uns

Compartment: 150

By in large too wet for commercial operation, was looked at in very wet year. Potential for portions to be cut in very dry year? Look at again next inventory cycle.

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				

Cadillac Mgt. Unit Compartment: 150
Year of Entry 2022





* 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.

Conservati 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 speci conditions 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	les to persist from year to year. Suitable by are relatively deep, have substantial the state. Such lakes are established by						
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduce stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist frough 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 designated as trout resources by Fisheries Order 210.							
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 effects as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, liversity of plants and wildlife. Riparian cts on water quality and quantity, as well						



Stand	Level 4 Co	over Type	;	Size De	nsity	Acres Stand Ac	ge BA Range	Managed Site		General Comments		
1	6112 - Lov			Sawtimb		6.7 63	81-110	N/A		Mostly lowland BAM and aspen along river buffer, occasional cedar and hardwood along river edge. Drainage flows into middle of stand with		
	Canopy Species	% Cover	Size Class		Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	somewhat steep banks on south end.		
	Red Maple	2	Log/Pole	12		Red Maple	Low	Variable	Sapling			
	Basswood	5	Log/Pole	11		Black Ash	Medium	Variable	Sapling			
	Paper Birch	5	Pole/Log	8		Tag Alder	Low	5 - 10 feet	Tall Shrub			
	Quaking Aspen	70	Log/Pole	12	63	Musclewood/Hornb	eam Low	5 - 10 feet	Tall Shrub			
No	rthern White Cedar	8	Pole	7		Hawthorn (spp.) Medium	5 - 10 feet	Tall Shrub			
	Sugar Maple	8	Log	13		Balsam Fir	Medium	Variable	Sapling			
	Balsam Fir	2	Pole	8								
2	500 -	Water		Nonsto	cked	5.0	Unspecified	No		Manistee River		
3	3105 - Mixed Up	oland Herba	aceous	Nonsto	cked	23.7	Unspecified	No		Hawthorns planted throughout. Difficult foot access only opening not		
					Ī	Sub-Canopy Spe	cies Density	Avg. Height	Size	actively managed, slowly filling in. Also filling in with scattered pines, good wildlife value.		
						Hawthorn (spp.			Tall Shrub			
4	42110 - Plar			Sawtimb		6.2 65	171-200	N/A		Consumer's Red Pine stand. Never before thinned. When State cut stand 78 Forester approached consumers at the time to see if they were		
	Red Pine	100	Size Class Log	12	Age 65					interested in cutting while access was granted but they were not interested.		
5	6112 - Lov	vland Aspe	n S	Sawtimb	er Well	11.2 76	81-110	N/A		Some Cedar adjacent to river, but mostly Aspen/Fir/Maple stand. Heavy		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	deer browse. Northern Hardwoods regenerating on hillside. Most of stand is off the bluff of the river valley.		
	Sugar Maple	4	Log	13		Red Maple	Medium	< 5 feet	Sapling	starta is on the start of the fiver valley.		
	Red Maple	4	Log/Pole						Capinig			
	Basswood		_09/. 0.0	10		Balsam Fir	Medium	Variable	Sapling			
		2	Log	10		Balsam Fir Black Ash	Medium Low	Variable < 5 feet				
	Paper Birch	4					Low		Sapling			
	Paper Birch Quaking Aspen		Log	12	76	Black Ash	Low beam Low	< 5 feet	Sapling Sapling			
	<u>'</u>	4	Log Log/Pole	12 10	76	Black Ash Musclewood/Hornb	Low beam Low	< 5 feet 5 - 10 feet	Sapling Sapling Tall Shrub			
	Quaking Aspen	4 50	Log Log/Pole Log	12 10 13	76	Black Ash Musclewood/Hornb Hawthorn (spp.	Low Deam Low) Low	< 5 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Tall Shrub Tall Shrub			
	Quaking Aspen Balsam Fir orthern White Cedar 6129 - Mixed Co	4 50 26 10	Log Log/Pole Log Pole Log/Pole	12 10 13 8		Black Ash Musclewood/Hornb Hawthorn (spp.	Low Deam Low) Low	< 5 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Tall Shrub Tall Shrub			
No	Quaking Aspen Balsam Fir orthern White Cedar 6129 - Mixed Co	4 50 26 10 correct	Log Log/Pole Log Pole Log/Pole	12 10 13 8 8		Black Ash Musclewood/Hornb Hawthorn (spp. Hemlock	Low Low Low Low 81-110	< 5 feet 5 - 10 feet 5 - 10 feet Variable	Sapling Sapling Tall Shrub Tall Shrub	Lowland conifer stagnant swamp along silver creek. Old road leads down		
No	Quaking Aspen Balsam Fir orthern White Cedar 6129 - Mixed Co	4 50 26 10 correct	Log Log/Pole Log Pole Log/Pole wwland P	12 10 13 8 8	er Well	Black Ash Musclewood/Hornb Hawthorn (spp. Hemlock 6.8 65	Low Low Low Low 81-110	< 5 feet 5 - 10 feet 5 - 10 feet Variable N/A Avg. Height	Sapling Sapling Tall Shrub Tall Shrub Pole	Lowland conifer stagnant swamp along silver creek. Old road leads down		
No	Quaking Aspen Balsam Fir orthern White Cedar 6129 - Mixed Co Fo Canopy Species	4 50 26 10 niferous Lorrest % Cover	Log Log/Pole Log Pole Log/Pole bwland P Size Class	12 10 13 8 8 8 Poletimb	er Well	Black Ash Musclewood/Hornb Hawthorn (spp. Hemlock 6.8 65 Sub-Canopy Spe	Low Deam Low Low Low 81-110 Cies Density Medium	< 5 feet 5 - 10 feet 5 - 10 feet Variable N/A Avg. Height Variable	Sapling Sapling Tall Shrub Tall Shrub Pole	Lowland conifer stagnant swamp along silver creek. Old road leads down		
No 6	Quaking Aspen Balsam Fir orthern White Cedar 6129 - Mixed Co Fo Canopy Species Red Maple	4 50 26 10 miferous Lorest % Cover 2	Log Log/Pole Log Pole Log/Pole bwland P Size Class Pole/Sapling	12 10 13 8 8 8 Poletimb	er Well	Black Ash Musclewood/Hornb Hawthorn (spp. Hemlock 6.8 65 Sub-Canopy Spe Red Maple	Low Deam Low Low Low 81-110 Cies Density Medium	< 5 feet 5 - 10 feet 5 - 10 feet Variable N/A Avg. Height Variable	Sapling Sapling Tall Shrub Tall Shrub Pole Size Sapling	Lowland conifer stagnant swamp along silver creek. Old road leads down to failed old steel bridge.		
No 6	Quaking Aspen Balsam Fir orthern White Cedar 6129 - Mixed Co Fo Canopy Species Red Maple Paper Birch	4 50 26 10 miferous Lorest	Log Log/Pole Log Pole Log/Pole wland P Size Class Pole/Sapling Pole/Sapling	12 10 13 8 8 8 Poletimb	er Well	Black Ash Musclewood/Hornb Hawthorn (spp. Hemlock 6.8 65 Sub-Canopy Spe Red Maple White Pine	Low Low Low 81-110 Cies Density Medium Low Medium	< 5 feet 5 - 10 feet 5 - 10 feet Variable N/A Avg. Height Variable Variable	Sapling Sapling Tall Shrub Tall Shrub Pole Size Sapling Sapling	Lowland conifer stagnant swamp along silver creek. Old road leads down to failed old steel bridge.		
No 6	Quaking Aspen Balsam Fir orthern White Cedar 6129 - Mixed Co Fo Canopy Species Red Maple Paper Birch Quaking Aspen	4 50 26 10 miferous Lorest	Log/Pole Log/Pole Log/Pole Log/Pole bwland P Size Class Pole/Sapling Pole/Sapling Log/Pole	12 10 13 8 8 8 Poletimb	er Well	Black Ash Musclewood/Hornb Hawthorn (spp. Hemlock 6.8 65 Sub-Canopy Spe Red Maple White Pine Tag Alder	Low Deam Low Low 81-110 Cies Density Medium Low Medium Low Deam Low	< 5 feet 5 - 10 feet 5 - 10 feet Variable N/A Avg. Height Variable Variable 5 - 10 feet	Sapling Sapling Tall Shrub Tall Shrub Pole Size Sapling Sapling Tall Shrub	Lowland conifer stagnant swamp along silver creek. Old road leads down to failed old steel bridge.		
No 6	Quaking Aspen Balsam Fir orthern White Cedar 6129 - Mixed Co Fo Canopy Species Red Maple Paper Birch Quaking Aspen Balsam Fir	4 50 26 10 miferous Lorest Cover 2 5 5 37	Log/Pole Log/Pole Log/Pole Log/Pole bwland P Size Class Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling	12 10 13 8 8 Poletimb DBH 6 6 6 10 7	er Well	Black Ash Musclewood/Hornb Hawthorn (spp. Hemlock 6.8 65 Sub-Canopy Spe Red Maple White Pine Tag Alder Musclewood/Hornb	Low Deam Low Low 81-110 Cies Density Medium Low Medium Low Deam Low	< 5 feet 5 - 10 feet 5 - 10 feet Variable N/A Avg. Height Variable Variable 5 - 10 feet 5 - 10 feet	Sapling Sapling Tall Shrub Tall Shrub Pole Size Sapling Sapling Tall Shrub Tall Shrub Tall Shrub	Lowland conifer stagnant swamp along silver creek. Old road leads down to failed old steel bridge.		
No 6	Quaking Aspen Balsam Fir orthern White Cedar 6129 - Mixed Co Fo Canopy Species Red Maple Paper Birch Quaking Aspen Balsam Fir orthern White Cedar	4 50 26 10 26 10 26 26 26 26 26 26 26 26 26 26 26 26 26	Log Log/Pole Log Pole Log/Pole Dowland Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling Pole/Log	12 10 13 8 8 Poletimb DBH 6 6 6 10 7	er Well	Black Ash Musclewood/Hornb Hawthorn (spp. Hemlock 6.8 65 Sub-Canopy Spe Red Maple White Pine Tag Alder Musclewood/Hornb	Low Deam Low Low 81-110 Cies Density Medium Low Medium Low Deam Low	< 5 feet 5 - 10 feet 5 - 10 feet Variable N/A Avg. Height Variable Variable 5 - 10 feet 5 - 10 feet	Sapling Sapling Tall Shrub Tall Shrub Pole Size Sapling Sapling Tall Shrub Tall Shrub Tall Shrub	Lowland conifer stagnant swamp along silver creek. Old road leads down to failed old steel bridge.		



Stand	d Level 4 C	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed	Site	General Comments		
7	42110 - Pla	nted Red P	ine	Sawtimb	oer Well	2.6	65	171-200	N/A		Consumer's Red Pine stand. Never before thinned. When State cut stand 78 Forester approached consumers at the time to see if they were		
	Canopy Species		Size Class		H Age						interested in cutting while access was granted but they were not		
	Red Pine	100	Log/Pole	12	65						interested.		
8	6220 - A	Alder/willow		Nonst	ocked	1.1		Unspecified	No		tag alder along tributary to Manistee river.		
						Sub-Ca	anopy Speci	es Density	Avg. Height	Size			
						T	ag Alder	Full		Tall Shrub			
9	6112 - Lo	wland Aspe	en	Sawtimb	oer Well	18.9	68	81-110	N/A		Lowland drainage along Silver creek, considerable variability. Lowland		
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	anopy Speci	es Density	Avg. Height	Size	alder and cedar along creek, with aspen along the top and sides of the bluff. All this area is not suitable for management as a result of BMP concerns along creek and steepness of terrain. Aspen will slowly fall		
	Sugar Maple	14	Log/XLog	13		Re	ed Maple	Medium	Variable	Sapling			
	American Elm	1	Pole/Log	8		Ba	alsam Fir	Medium	Variable	Sapling	and be replaced by longer lived tree species.		
	Red Maple	5	Log/Pole	12		В	lack Ash	Low	Variable	Sapling			
	Basswood	2	Log	11		T	ag Alder	Medium	5 - 10 feet	Tall Shrub			
	Quaking Aspen	48	Log/Pole	11	68	Musclew	ood/Hornbe	am Low	5 - 10 feet	Tall Shrub			
No	orthern White Cedar	5	Log/Pole	12		Haw	thorn (spp.)	Medium	5 - 10 feet	Tall Shrub			
	Balsam Fir	11	Pole/Log	8		W	hite Pine	Low	Variable	Sapling			
	White Pine	10	Log/Pole	13		Bla	ck Cherry	Low	Variable	Sapling			
	Red Oak	1	Pole	8							-		
	Paper Birch	2	Pole	9									
	Hemlock	1	Log/Pole	10									
10	310 - Herbac	eous Open	land	Nonst	ocked	9.4		Unspecified	No		Opening with access along two track from Baxter bridge road.		
11	6220 - A	Alder/willow		Nonst	ocked	2.7		Unspecified	No		Tag Alder along Silver Creek.		
						Sub-Ca	anopy Speci	es Density	Avg. Height	Size			
							ag Alder	Medium		Tall Shrub			
12	6229 - Mixed	d lowland sh	nrub	Nonst	ocked	0.5	0	Unspecified	No		Stand water at time of inventory lowland shrub, few scattered trees.		
13	6220 - A	Alder/willow		Nonst	ocked	1.5		Unspecified	No		tag alder drainage leading to buttermilk creek.		
						Sub-Ca	anopy Speci	es Density	Avg. Height	Size			
							ag Alder	Medium		Tall Shrub			
						Red O	sier Dogwoo	d Medium		Tall Shrub			
14	3205 - Mixed	d Upland Sh	nrub	Nonst	ocked	11.7		Unspecified	No		Autumn Olive was planted, filling in with trees in spots with sandy pit in middle of stand. Old opening slowly filling in, autumn olive heavy in		
						Sub-Ca	anopy Speci	es Density	Avg. Height	Size	stand.		
						Haw	thorn (spp.)	Low		Tall Shrub			
							icken Fern	High		Non-Wood	4		
						Aut	umn Olive	Medium		Tall Shrub			

Cadillac Mgt. Unit



Stand	Level 4 Co	over Type				710100	Stand Age				General Comments
15	4139 - Aspen, I	Mixed Decid	duous	Sawtimb	er Well	27.9	67	81-110	N/A		Sensitive area along creek. Most of stand is off the steep bluff of the
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	creek, with steep drainages running throughout stand. Stand is hardwood and aspen with some cedar and fir along the edges of the
	Sugar Maple	40	Log/Pole	11	85	Sug	gar Maple	Low	Variable	Sapling	creek. Western edge is heavier to hardwood although aspen more
	American Elm	2	Pole/Log	8		Iro	onwood	Low	Variable	Sapling	prominent in center and east edge.
	Paper Birch	3	Pole	8		Musclew	ood/Hornbean	n Medium	5 - 10 feet	Tall Shrub	
(Quaking Aspen	40	Log	12	67	Hawt	thorn (spp.)	Low	5 - 10 feet	Tall Shrub	
Nor	rthern White Cedar	3	Log	16		Н	lemlock	Trace	>20 feet	Pole	
	Balsam Fir	5	Pole/Log	8		Ва	alsam Fir	Low	< 5 feet	Sapling	
	Basswood	4	Log	12							
	White Pine	2	Log/Pole	12							
	Black Cherry	1	Log/Pole	10							
16	122 - Road	I/Parking Lo	ot	Nonst	ocked	1.4	0	Unspecified	No		Road
	6220 - A	lder/willow		Nonst	ocked	6.1	l	Unspecified	No		Mostly alder a few aspen and pine scattered in wet.
17	6120 - Lov	wland Ceda		Sawtimb	er Well	23.9	106	81-110	N/A		Lowland off the bluff of Manistee river combination of lowland conifer and
17	6120 - Lov	wland Ceda	Size Class	Sawtimb DB I		23.9 Sub-Ca	106 nopy Species	81-110 Density	N/A Avg. Height	Size	, ,
17	6120 - Lov Canopy Species Balsam Fir	wland Ceda % Cover 8	Size Class Pole	Sawtimb DBH	er Well	23.9 Sub-Ca	106 Inopy Species ed Maple	81-110 S Density Medium	N/A Avg. Height Variable	Sapling	Lowland off the bluff of Manistee river combination of lowland conifer and
17	6120 - Lov Canopy Species Balsam Fir rthern White Cedar	wland Ceda % Cover 8 50	Size Class Pole Log/Pole	Sawtimb DBH 8	er Well	23.9 Sub-Ca Re	106 Inopy Species and Maple ag Alder	81-110 s Density Medium Low	N/A Avg. Height Variable 5 - 10 feet	Sapling Tall Shrub	Lowland off the bluff of Manistee river combination of lowland conifer and
17 18	6120 - Lov Canopy Species Balsam Fir rthern White Cedar Hemlock	wland Ceda % Cover 8 50 8	Size Class Pole Log/Pole Log/Pole	Sawtimb DBH 8 10 10	er Well	23.9 Sub-Ca Re Ta	106 Inopy Species ed Maple ag Alder ickly Ash	81-110 s Density Medium Low Low	N/A Avg. Height Variable 5 - 10 feet < 5 feet	Sapling Tall Shrub Tall Shrub	Lowland off the bluff of Manistee river combination of lowland conifer and
17 18	6120 - Low Canopy Species Balsam Fir rthern White Cedar Hemlock Quaking Aspen	wland Ceda % Cover 8 50 8 15	Size Class Pole Log/Pole Log/Pole Log/XLog	Sawtimb B	er Well	23.9 Sub-Ca Re Ta	106 Inopy Species and Maple ag Alder	81-110 s Density Medium Low	N/A Avg. Height Variable 5 - 10 feet	Sapling Tall Shrub	Lowland off the bluff of Manistee river combination of lowland conifer and
17 18	6120 - Low Canopy Species Balsam Fir rthern White Cedar Hemlock Quaking Aspen Red Maple	wland Ceda % Cover 8 50 8	Pole Log/Pole Log/YLog Log/YLog Log/Pole	Sawtimb B 10 15 12	er Well	23.9 Sub-Ca Re Ta	106 Inopy Species ed Maple ag Alder ickly Ash	81-110 s Density Medium Low Low	N/A Avg. Height Variable 5 - 10 feet < 5 feet	Sapling Tall Shrub Tall Shrub	Lowland off the bluff of Manistee river combination of lowland conifer and
17 18	6120 - Low Canopy Species Balsam Fir rthern White Cedar Hemlock Quaking Aspen	wland Ceda % Cover 8 50 8 15	Size Class Pole Log/Pole Log/Pole Log/XLog	Sawtimb	er Well	23.9 Sub-Ca Re Ta	106 Inopy Species ed Maple ag Alder ickly Ash	81-110 s Density Medium Low Low	N/A Avg. Height Variable 5 - 10 feet < 5 feet	Sapling Tall Shrub Tall Shrub	Lowland off the bluff of Manistee river combination of lowland conifer and
17 18	6120 - Low Canopy Species Balsam Fir rthern White Cedar Hemlock Quaking Aspen Red Maple	Wland Ceda % Cover	Pole Log/Pole Log/YLog Log/YLog Log/Pole	Sawtimb BB	er Well	23.9 Sub-Ca Re Ta	106 Inopy Species ed Maple ag Alder ickly Ash	81-110 s Density Medium Low Low	N/A Avg. Height Variable 5 - 10 feet < 5 feet	Sapling Tall Shrub Tall Shrub	Lowland off the bluff of Manistee river combination of lowland conifer and
17 18	6120 - Low Canopy Species Balsam Fir rthern White Cedar Hemlock Quaking Aspen Red Maple Paper Birch	Wland Ceda % Cover	Pole Log/Pole Log/XLog Log/Pole Log/Pole Log/Pole Log/Pole	Sawtimb	er Well	23.9 Sub-Ca Re Ta	106 Inopy Species ed Maple ag Alder ickly Ash	81-110 s Density Medium Low Low	N/A Avg. Height Variable 5 - 10 feet < 5 feet	Sapling Tall Shrub Tall Shrub	Lowland off the bluff of Manistee river combination of lowland conifer and
17 18	6120 - Low Canopy Species Balsam Fir rthern White Cedar Hemlock Quaking Aspen Red Maple Paper Birch White Pine	Wland Ceda **Cover* 8	Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole	Sawtimb	per Well 1 Age	23.9 Sub-Ca Re Ta Pri Ba	106 Inopy Species ed Maple ag Alder ickly Ash	81-110 s Density Medium Low Low	N/A Avg. Height Variable 5 - 10 feet < 5 feet	Sapling Tall Shrub Tall Shrub	Lowland off the bluff of Manistee river combination of lowland conifer and pocket of lowland hardwood/aspen in center of stand. Consumer's Red Pine stand. This stand unlike stand 87 has been
17 18 Nor	6120 - Low Canopy Species Balsam Fir rthern White Cedar Hemlock Quaking Aspen Red Maple Paper Birch White Pine Basswood	Wand Ceda	Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole	Sawtimb	per Well 1 Age	23.9 Sub-Ca Re Ta Pri Ba	106 Inopy Species ad Maple ag Alder ickly Ash alsam Fir	81-110 S Density Medium Low Low Medium	N/A Avg. Height Variable 5 - 10 feet < 5 feet Variable	Sapling Tall Shrub Tall Shrub	Lowland off the bluff of Manistee river combination of lowland conifer and pocket of lowland hardwood/aspen in center of stand.
17 18 Nor	6120 - Low Canopy Species Balsam Fir rthern White Cedar Hemlock Quaking Aspen Red Maple Paper Birch White Pine Basswood 42110 - Plar	Wand Ceda	Pole Log/Pole Log/XLog Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole	Sawtimb	per Well 106 106 per Well 14 Age	23.9 Sub-Ca Re Ta Pri Ba 11.8 Sub-Ca	106 Inopy Species ed Maple ag Alder ickly Ash alsam Fir	81-110 S Density Medium Low Low Medium	N/A Avg. Height Variable 5 - 10 feet < 5 feet Variable	Sapling Tall Shrub Tall Shrub Sapling	Lowland off the bluff of Manistee river combination of lowland conifer and pocket of lowland hardwood/aspen in center of stand. Consumer's Red Pine stand. This stand unlike stand 87 has been

Report 7 - Stands

DNR MICHIGAN

Compartment: 150

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Year of Entry: 2022

Stand	Level 4 C	over Type	5	Size De	nsity	Acres	Stand Age E	A Range	Managed S	Site	General Comments
20	6132 - Mixed Lo Co	wland Fore	est with Pole	etimbei	· Medium	22.7	75	51-80	N/A		Mixed lowland aspen, red maple, fir with cedar. Large drainage through middle of stand. Broken into two pockets, remnants of ash, but all
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	standing dead at this point. Open areas created where ash died out and stand flooded out.
	American Elm	5	Pole/Log/Sap	8		Re	ed Maple	Low	Variable	Sapling	Stand nooded out.
	Red Maple	10	Pole/Sap/Log	8		Ва	ılsam Fir	High	Variable	Sapling	
	Quaking Aspen	25	Pole/Log	8	75	Northern	n White Cedar	Medium	>20 feet	Pole	
	Balsam Fir	20	Pole/Sapling	7		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	
No	rthern White Cedar	20	Pole/Log	9		Hawt	horn (spp.)	Low	5 - 10 feet	Tall Shrub	
	Hemlock	10	Pole	7							
	Paper Birch	5	Pole/Log	8							
21	6117 - Lowland Con	Deciduous iferous	, Mixed P	oletimb	er Well	16.3	78	51-80	N/A		Lowland stand along river flat, stand includes two drainages that run into river as well. Was primarily ash in spots but this have sense all fallen out
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	of stand.
	American Elm	5	Pole	8		Re	ed Maple	Low	Variable	Sapling	
	Red Maple	20	Pole/Log	8		BI	ack Ash	Medium	Variable	Sapling	
	Basswood	10	Pole/Log	9		Hawt	horn (spp.)	Medium	5 - 10 feet	Tall Shrub	
	Quaking Aspen	30	Pole/Log	9	78	Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	
No	rthern White Cedar	15	Pole/Log	9							
	Paper Birch	13	Pole/Log/Sap	8							
	White Pine	2	Log/Pole	12							
22	500 -	- Water		Nonsto	cked	25.5	U	Inspecified	No		Manistee River
23	4130	- Aspen		Sapling	ı Well	16.7	16	Immature	N/A		Stand was final harvested in 2004, sale comments note wet nature of
	Canopy Species	% Cover	Size Class	DBH	Age						sale. A few cedar left. Upland overall with wet seeps and seasonal drainages.
	White Pine	10	Sapling	2							uramages.
	Quaking Aspen	73	Sapling	3	16						
	Balsam Fir	5	Sapling	2							
	Red Maple	8	Sapling	2							
	White Oak	2	Sapling	1							
No	rthern White Cedar	2	Pole	7							
24	6229 - Mixed	l lowland sl	hrub	Nonsto	ocked	7.7	0 U	Inspecified	No		Lowland shrub, a few trees scattered standing water.

ort 7 – Stands Compartment: 150
Year of Entry: 2022

DNR DNR
MICHIGAN

Stand	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age I	BA Range	Managed S	Site	General Comments
25	4136 - Aspen	, Mixed Co	onifer Sa	awtimb	er Well	l 111.6	54	81-110	N/A		Stand was cut in 1964. Large aspen stand mostly upland although some definite wet pockets found along the edges. Quality of aspen varies
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	significantly with heavy mix of white pine, red maple and balsam fir.
	Red Maple	14	Log/Pole	10		Re	d Maple	Medium	Variable	Sapling	Some larger super canopy white pine found in stand. Stand just into log
(Quaking Aspen	55	Log/Pole	10	54	Ва	Isam Fir	High	Variable	Sapling	class overall, not best quality.
	Balsam Fir	18	Pole/Log	8		Commo	n Blackberry	Low	< 5 feet	Tall Shrub	
	White Pine	10	Log/Pole/XLog	13			Alder	Low	5 - 10 feet	Tall Shrub	
	Red Pine	1	Log	15		Musclewo	ood/Hornbeam	n Low	5 - 10 feet	Tall Shrub	
	Paper Birch	2	Pole/Log	8		Wh	nite Pine	Medium	Variable	Sapling	
26	4130	- Aspen	S	Saplin	g Well	7.3	16	Immature	N/A		Stand was final harvested in 2004. Notes from timber sale notes wet
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	s Density	Avg. Height	Size	nature of sale.
	Red Maple	20	Sapling	2		Та	g Alder	Low	5 - 10 feet	Tall Shrub	
	Paper Birch	5	Sapling	2		Musclewo	ood/Hornbeam	n Low	< 5 feet	Tall Shrub	
(Quaking Aspen	65	Sapling	2	16					,	
	White Pine	5	Sapling	2							
	Black Cherry	5	Sapling	2							
27	6220 - A	lder/willow	1	Nonst	ocked	4.4	ι	Unspecified	No		Tag Alder pockets along Manistee River, flooded timber along edges.
						Sub-Car	nopy Species	s Density	Avg. Height	Size	
								,	Avg. Height	Size	
							Alder	Full	Avg. Height	Tall Shrub	
28	42110 - Plaı	nted Red P	Pine Sa	awtimb	er Well				N/A		Consumers Red Pine stand. Difficult access, appears to have not been
						40.6	Alder 75	Full 171-200	N/A		
	42110 - Plan Canopy Species Red Pine		Pine Sa Size Class Log		er Well	40.6 Sub-Ca	Alder	Full 171-200		Tall Shrub	Consumers Red Pine stand. Difficult access, appears to have not been
	Canopy Species	% Cover	Size Class	DBH	I Age	40.6 Sub-Car	Alder 75 nopy Species	Full 171-200 S Density	N/A Avg. Height	Tall Shrub	Consumers Red Pine stand. Difficult access, appears to have not been
	Canopy Species Red Pine White Pine	% Cover	Size Class Log Log	DB H	75	40.6 Sub-Car	75 nopy Species d Maple ack Ash	Full 171-200 S Density Medium	N/A Avg. Height Variable	Size Sapling	Consumers Red Pine stand. Difficult access, appears to have not been
29	Canopy Species Red Pine White Pine 4130	% Cover 90 10 - Aspen	Size Class Log Log	DBH 12 12 Sapling	75 Well	40.6 Sub-Car Re Bla	75 nopy Species d Maple ack Ash	Full 171-200 S Density Medium Low Immature	N/A Avg. Height Variable Variable N/A	Size Sapling	Consumers Red Pine stand. Difficult access, appears to have not been cut in a while. Filling in with hardwood in spots in understory.
29	Canopy Species Red Pine White Pine	% Cover 90 10 - Aspen	Size Class Log Log	DBH 12 12 Sapling	75	40.6 Sub-Cal Re Bla 21.0 Sub-Cal	75 nopy Species d Maple ack Ash	Full 171-200 S Density Medium Low Immature	N/A Avg. Height Variable Variable	Size Sapling Sapling	Consumers Red Pine stand. Difficult access, appears to have not been cut in a while. Filling in with hardwood in spots in understory. Stand was final harvested in 2004. Notes from timber sale notes wet
29	Canopy Species Red Pine White Pine 4130 Canopy Species	% Cover 90 10 - Aspen % Cover	Size Class Log Log Size Class	DBH 12 12 Sapling	75 Well	40.6 Sub-Cal Re Bla 21.0 Sub-Cal	75 nopy Species d Maple ack Ash 16 nopy Species	Full 171-200 s Density Medium Low Immature s Density	N/A Avg. Height Variable Variable N/A Avg. Height	Size Sapling Sapling	Consumers Red Pine stand. Difficult access, appears to have not been cut in a while. Filling in with hardwood in spots in understory. Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A handful of cedar was left in north edge of stand.
29	Canopy Species Red Pine White Pine 4130 Canopy Species Red Maple Paper Birch	% Cover 90 10 - Aspen % Cover 20	Size Class Log Log Size Class Sapling	12	75 Well 1 Age	Aub-Cal Re Bla 21.0 Sub-Cal Re Bla Commo	75 nopy Species d Maple ack Ash 16 nopy Species	Full 171-200 S Density Medium Low Immature S Density Low Low	N/A Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet	Size Sapling Sapling Size Sapling	Consumers Red Pine stand. Difficult access, appears to have not been cut in a while. Filling in with hardwood in spots in understory. Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A handful of cedar was left in north edge of stand.
29	Canopy Species Red Pine White Pine 4130 Canopy Species Red Maple	% Cover 90 10 10 - Aspen 20 5	Size Class Log Log Size Class Sapling Sapling	12	75 Well 1 Age 16	Aub-Cal Re Bla 21.0 Sub-Cal Re Bla Commo	75 nopy Species d Maple ack Ash 16 nopy Species lsam Fir	Full 171-200 S Density Medium Low Immature S Density Low Low	N/A Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet < 5 feet	Size Sapling Size Sapling Size Sapling Tall Shrub	Consumers Red Pine stand. Difficult access, appears to have not been cut in a while. Filling in with hardwood in spots in understory. Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A handful of cedar was left in north edge of stand.
29	Canopy Species Red Pine White Pine 4130 Canopy Species Red Maple Paper Birch Quaking Aspen thern White Cedar	% Cover 90 10 - Aspen % Cover 20 5 70	Size Class Log Log Size Class Sapling Sapling Sapling Pole/Log	DBH 12 12 Saplino 2 2 2 8	75 Well 1 Age 16	40.6 Sub-Cal Re Bla 21.0 Sub-Cal Ba Commo	75 nopy Species d Maple ack Ash 16 nopy Species lsam Fir	Full 171-200 S Density Medium Low Immature S Density Low Low	N/A Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet < 5 feet	Size Sapling Size Sapling Size Sapling Tall Shrub	Consumers Red Pine stand. Difficult access, appears to have not been cut in a while. Filling in with hardwood in spots in understory. Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A handful of cedar was left in north edge of stand. Wet. Drainage through middle. Tag Alder and Willow throughout. Very
29 Nort	Canopy Species Red Pine White Pine 4130 Canopy Species Red Maple Paper Birch Quaking Aspen thern White Cedar	% Cover 90 10 10 - Aspen 20 5 70 5 wland Aspe	Size Class Log Log Size Class Sapling Sapling Sapling Pole/Log	DBH 12 12 Sapling DBH 2 2 2 8	75 Well 1 Age 16 16	40.6 Sub-Cal Re Bla 21.0 Sub-Cal Ba Commo	75 nopy Species d Maple ack Ash 16 nopy Species Isam Fir in Blackberry bod/Hornbeam	Full 171-200 s Density Medium Low Immature s Density Low Low Low 1-50	N/A Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet < 5 feet 5 - 10 feet	Size Sapling Size Sapling Size Sapling Tall Shrub	Consumers Red Pine stand. Difficult access, appears to have not been cut in a while. Filling in with hardwood in spots in understory. Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A handful of cedar was left in north edge of stand. Wet. Drainage through middle. Tag Alder and Willow throughout. Very wet falling apart flooded aspen, too wet for commercial management, lo
29 Nort	Canopy Species Red Pine White Pine 4130 Canopy Species Red Maple Paper Birch Quaking Aspen thern White Cedar	% Cover 90 10 10 - Aspen 20 5 70 5 wland Aspe	Size Class Log Log Size Class Sapling Sapling Sapling Pole/Log Sapling Sapling Sapling	DBH 12 12 Sapling DBH 2 2 2 8	75 Well 16 16 16 16 Per Poor	40.6 Sub-Cal Re Bla 21.0 Sub-Cal Ba Commo Musclewo	75 nopy Species d Maple ack Ash 16 nopy Species lsam Fir n Blackberry bod/Hornbeam	Full 171-200 s Density Medium Low Immature s Density Low Low Low 1-50	N/A Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet < 5 feet 5 - 10 feet	Size Sapling Sapling Size Sapling Tall Shrub	Consumers Red Pine stand. Difficult access, appears to have not been cut in a while. Filling in with hardwood in spots in understory. Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A handful of cedar was left in north edge of stand. Wet. Drainage through middle. Tag Alder and Willow throughout. Very
29 Nort	Canopy Species Red Pine White Pine 4130 Canopy Species Red Maple Paper Birch Quaking Aspen thern White Cedar 6112 - Low	% Cover 90 10 10 - Aspen % Cover 20 5 70 5 wland Aspec % Cover	Size Class Log Log Size Class Sapling Sapling Sapling Pole/Log en Sa	DBH 12 12 Sapling DBH 2 2 2 8 awtimb	75 Well 16 16 16 16 Per Poor	40.6 Sub-Cal Re Bla 21.0 Sub-Cal Ba Commo Musclewo	75 nopy Species d Maple ack Ash 16 nopy Species lsam Fir n Blackberry bod/Hornbeam 65 nopy Species ack Ash	Full 171-200 s Density Medium Low Immature s Density Low Low Low 1-50 s Density	N/A Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet < 5 feet 5 - 10 feet N/A Avg. Height	Size Sapling Sapling Size Sapling Tall Shrub Tall Shrub	Consumers Red Pine stand. Difficult access, appears to have not been cut in a while. Filling in with hardwood in spots in understory. Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A handful of cedar was left in north edge of stand. Wet. Drainage through middle. Tag Alder and Willow throughout. Very wet falling apart flooded aspen, too wet for commercial management, lo of blowdown.
29 Nort	Canopy Species Red Pine White Pine 4130 Canopy Species Red Maple Paper Birch Quaking Aspen thern White Cedar 6112 - Low Canopy Species Paper Birch	% Cover 90 10 10 - Aspen 20 5 70 5 wland Asper 10	Size Class Log Log Size Class Sapling Sapling Sapling Pole/Log Size Class Pole/Log	12	75 Well 1 Age 16 16 16 16 16 16 16 16 16 16 16 16 16	40.6 Sub-Cal Re Bla 21.0 Sub-Cal Ba Commo Musclewo	75 nopy Species d Maple ack Ash 16 nopy Species lsam Fir n Blackberry bod/Hornbeam 65 nopy Species	Full 171-200 S Density Medium Low Immature S Density Low Low 1-50 S Density Medium High	N/A Avg. Height Variable Variable N/A Avg. Height 5 - 10 feet < 5 feet 5 - 10 feet N/A Avg. Height Variable	Size Sapling Size Sapling Size Sapling Tall Shrub Tall Shrub Size Sapling	Consumers Red Pine stand. Difficult access, appears to have not been cut in a while. Filling in with hardwood in spots in understory. Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A handful of cedar was left in north edge of stand. Wet. Drainage through middle. Tag Alder and Willow throughout. Very wet falling apart flooded aspen, too wet for commercial management, to of blowdown.
29 Nort	Canopy Species Red Pine White Pine 4130 Canopy Species Red Maple Paper Birch Quaking Aspen thern White Cedar 6112 - Low Canopy Species Paper Birch Quaking Aspen	% Cover 90 10 10 - Aspen 20 5 70 5 wland Asper 10 88	Size Class Log Log Size Class Sapling Sapling Sapling Pole/Log Size Class Pole/Log Log Log	12	75 Well 1 Age 16 16 16 16 16 16 16 16 16 16 16 16 16	40.6 Sub-Cal Re Bla 21.0 Sub-Cal Ba Commo Musclewo	75 nopy Species d Maple ack Ash 16 nopy Species lsam Fir n Blackberry bod/Hornbeam 65 nopy Species ack Ash	Full 171-200 S Density Medium Low Immature S Density Low Low Low 1-50 S Density Medium High	N/A Avg. Height Variable N/A Avg. Height 5 - 10 feet < 5 feet 5 - 10 feet Variable N/A Avg. Height 5 - 10 feet	Size Sapling Size Sapling Size Sapling Tall Shrub Tall Shrub Size Sapling Tall Shrub	Consumers Red Pine stand. Difficult access, appears to have not been cut in a while. Filling in with hardwood in spots in understory. Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A handful of cedar was left in north edge of stand. Wet. Drainage through middle. Tag Alder and Willow throughout. Very wet falling apart flooded aspen, too wet for commercial management, lo of blowdown.

Cadillac Mgt. Unit



Stanc	Level 4 Cov	ver Type		Size De	ensity	Acres	Stand Age	BA Range	Managed 9	Site	General Comments
31	6120 - Lowl	and Ceda	ır	Poletimb	er Well	12.7	106	51-80	N/A		Stand was cut in 1998, harvested leaving some cedar. Adequate regen
	Canopy Species	% Cover	Size Class	DBF	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	of aspen and maple underneath canopy of Cedar, Hemlock, Fir. Appears producer in 1998 just cut small swaths through stand. Cedar still
	Balsam Fir	10	Pole	7		Re	ed Maple	Medium	Variable	Sapling	relatively small, not much log diameter in cedar left from 1998 cut.
No	rthern White Cedar	77	Pole/Log	9	106	Quak	king Aspen	Medium	Variable	Sapling	
	Hemlock	4	Pole/Log	8		Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Quaking Aspen	9	Log/Pole	11		Pri	ickly Ash	Low	< 5 feet	Tall Shrub	
						l	Beech	Low	< 5 feet	Sapling	
32	6220 - Ald	der/willow		Nonsto	ocked	1.6	i	Unspecified	No		Tag alder armoring drainage.
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	
							Alder	High		Tall Shrub	
33	6220 - Ald	der/willow		Nonsto	ocked	10.1		Unspecified	No		Mostly tag alder and lowland shrub. Scattered aspen fir and maples
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	found in the lowland shrub stand, not practical to chase after into low area like this.
							Alder	Full		Tall Shrub	
34	4130 - /	Aspen		Sapling	g Well	23.8	7	Immature	N/A		Stand was final harvested in January of 2014. Small drainage through middle armored by Cedars. Came back well to aspen, seasonally wet
	Canopy Species	% Cover	Size Class	DBF	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	area at times.
	Red Maple	5	Sapling	1	7	Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Quaking Aspen	88	Sapling	1	7						
	White Pine	5	Pole/Log	8							
No	rthern White Cedar	2	Pole/Log	8							
35	310 - Herbaced	ous Openl	land	Nonsto	ocked	3.1		Unspecified	No		Opening slowly filling in with trees. Good landing location.
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	
						Brad	cken Fern	Medium		Non-Wood	
36	4130 - 4	Aspen		Sawtimb	er Well	2.3	68	Unspecified	N/A		Small island of mature aspen in opening, split out as upland unlike rest of stand 9 off the bluff. Some seasonal wet nature appears.
	Canopy Species	% Cover	Size Class	DBF	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	stario 9 on the bion. Some seasonal wet hattire appears.
	Red Maple	2	Log	12		Iro	onwood	Low	Variable	Sapling	
	White Pine	2	Log	12		Blac	ck Cherry	Low	5 - 10 feet	Sapling	
	Quaking Aspen	96	Log	13	68	Ва	alsam Fir	Medium	5 - 10 feet	Sapling	
37	6221 -	- Fen		Nonsto	ocked	1.1	0	Unspecified	No		
38	4130 - 4	Aspen		Sapling	g Well	35.5	16	Immature	N/A		Stand was final harvested in 2004. Notes from timber sale notes wet
	Canopy Species	% Cover	Size Class	DBF	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	nature of sale. Difficult access, stand broken up into 4 blocks.
	Red Maple	21	Sapling	3	16	Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Quaking Aspen	60	Sapling	3	16			-		•	•
	Balsam Fir	17	Sapling	2	16						
					1						



Stand	d Level 4 Co	, , , , , , , , , , , , , , , , , , ,			<u> </u>	4 Cover Type	er Type		Size Density		d Age B	A Range	Managed S	Site	General Comments
39	4130 -	Aspen		Sapling	g Well	21.8	16 li	mmature	N/A		Stand was final harvested in 2004. Notes from timber sale notes wet				
	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Canopy	Species	Density	Avg. Height	Size	nature of sale. A pocket of cedar left in northwest corner as well as a few standing mature aspen that appears were too wet to cut. A few area				
	Red Maple	5	Sapling	2		Balsam	Fir	Low	5 - 10 feet	Tall Shrub	flooded out to tag but overall upland.				
	Paper Birch	5	Sapling	2		Tag Ald	er	Low	5 - 10 feet	Tall Shrub					
	Quaking Aspen	86	Sapling	3	16					,					
No	orthern White Cedar	4	Pole/Log	9											
41	6220 - Al	der/willow		Nonst	ocked	6.9	Uı	nspecified	No		Tag alder and grass along buttermilk creek.				
						Sub-Canopy	Species	Density	Avg. Height	Size					
						Alder		Medium		Tall Shrub					
42	4130 -	Aspen		Saplin	g Well	61.6 2	25 lı	mmature	N/A		Large aspen stand that was final harvested in 1994. Old skid trails have flooded out slightly as seen on imagery. Aspen regenerating well. Almost				
	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Canopy	Species	Density	Avg. Height	Size	pole stand but still sapling overall.				
	Red Maple	14	Sapling/Pole	4	25	Black A	sh	Low	< 5 feet	Sapling	7				
	Paper Birch	5	Sapling	3	25	Tag Ald	er	Medium	5 - 10 feet	Tall Shrub					
	Quaking Aspen	78	Sapling/Pole	4	25										
	Black Ash	2	Sapling	3	25										
	White Pine	1	Sapling	2											
43	6132 - Mixed Lov Ce	wland Fore edar	st with F	Poletimb	er Well	23.5	58	81-110	N/A		Variable mostly lowland mix of aspen, fir, red maple with cedar found throughout. A few upland pockets although stand is largely too wet to				
	Canopy Species	% Cover	Size Class	DBF	H Age	Sub-Canopy	Species	Density	Avg. Height	Size	operate in without BMP rutting concerns. Some legacy white pine in stand.				
	Red Maple	30	Pole/Log	9	58	Red Maj	ole	Low	Variable	Sapling	Starta.				
	Paper Birch	5	Pole/Log	8		Balsam	Fir	High	Variable	Sapling					
	Quaking Aspen	23	Pole/Log	9	58	Alder		Medium	Variable	Tall Shrub					
No	orthern White Cedar	25	Pole/Log	9		White Pi	ne	Medium	Variable	Conlina					
	I I a mala ala					VVIIICOII		Wiodiaiii	variable	Sapling					
	Hemlock	1	Log/Pole	10		vviiito i i		Wodiani	variable	Sapling					
	White Pine	8	Log/Pole Log/Pole	10		vviiito i i		Wediam	vanasio	Sapiing					
44	White Pine				ocked	1.0	Uı	nspecified	No	Sapiing					
44	White Pine	8		10	ocked	1.0		nspecified	No						
44	White Pine	8		10	ocked					Size Tall Shrub					
44	White Pine 6220 - Al	8		10		1.0 Sub-Canopy	Species	nspecified Density	No	Size	tag alder pocket				
	White Pine 6220 - Al	8 Ider/willow		10 Nonsto		1.0 Sub-Canopy Alder	Species Ui	nspecified Density Full	No Avg. Height	Size					
	White Pine 6220 - Al	8 Ider/willow		10 Nonsto		1.0 Sub-Canopy Alder	Species Ui	Density Full Inspecified	No Avg. Height	Size Tall Shrub	tag alder pocket				

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Stand	Level 4 Co	over Type	S	Size De	ensity	Acres	Stand Age BA	A Range	Managed S	Site	General Comments
47	6229 - Mixed	lowland sh	nrub	Nonst	ocked	27.4	Ur	nspecified	No		Wet. Sapling Birch and Tamarack present. Lowland shrub overall some
						Sub-Car	nopy Species	Density	Avg. Height	Size	sapling trees attempting to get started but too wet.
						A	Alder	Full		Tall Shrub	
						Will	ow spp.	Medium		Tall Shrub	
48	6128 - Lowland (Deci	Coniferous, duous	, Mixed Po	oletimb	er Well	83.4	95 1	111-140	N/A		Buffer zone along Buttermilk Creek. Trees located on sidehills and drainages. Large complex with significant variability, although topography
	Canopy Species	% Cover	Size Class	DBH	H Age	Sub-Car	nopy Species	Density	Avg. Height	Size	and sensitive nature of trout stream buffer ties stand together. Some legacy white pine scattered. Largely conifer although aspen and maple
	Red Maple	10	Pole/Sapling	9		Red	d Maple	Medium	Variable	Sapling	upland in small portions along hillside.
	Paper Birch	10	Pole	6		Bal	sam Fir	Medium	Variable	Sapling	, , , , , , , , , , , , , , , , , , ,
	Quaking Aspen	20	Log/Pole	10		Wh	ite Pine	Low	Variable	Sapling	
	Balsam Fir	10	Pole/Sapling	6		Bla	nck Ash	Low	Variable	Sapling	
No	rthern White Cedar	26	Pole/Log	8	95	Ta	g Alder	Low	5 - 10 feet	Tall Shrub	
	White Pine	10	Log/Pole	10	73	Musclewo	od/Hornbeam	Low	5 - 10 feet	Tall Shrub	
	Hemlock	5	Pole	6							
	Tamarack	5	Pole/Log	9							
49	4130	- Aspen	;	Saplin	g Well	19.6	7 Ir	nmature	N/A		Stand was mixed spruce and white pine plantation with thick aspen
	Canopy Species	% Cover	Size Class	DBH	l Age						understory. White Pine was very poor quality. Some wet on edges. STAND WAS FINAL HARVESTED IN 2014. Aspen and maple regen
	Red Maple	5	Sapling	1	7						expected.
	Quaking Aspen	80	Sapling	1	7						
	White Pine	10	Sapling	1	7						
	Balsam Fir	5	Sapling	1							
50	6220 - A	lder/willow		Nonst	ocked	1.1	0 Ur	nspecified	No		
			Miyed Say	vtimbe	r Mediu	m 5.5	97	81-110	N/A		Wet. Mostly Cedar with some aspen mixed throughout.
51	6128 - Lowland (Deci	Coniferous, duous	, IVIIACU JAV	viiiibc							
51		duous	Size Class		l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
51	Deci	duous	,				nopy Species sam Fir	Density Low	Avg. Height Variable	Size Sapling	
51	Canopy Species	duous % Cover	Size Class	DBH		Bal					
	Canopy Species Red Maple	duous **Cover 5	Size Class Log/Pole	DB I		Bal Ta	sam Fir	Low	Variable	Sapling	
	Canopy Species Red Maple Paper Birch	% Cover 5 5	Size Class Log/Pole Pole	DBH 10 6		Bal Ta Musclewo	sam Fir g Alder	Low Medium	Variable 5 - 10 feet	Sapling Tall Shrub	



Stand	Level 4 Co	over Type	Si	ize De	ensity	Acres Stand Age	BA Range	Managed \$	Site	General Comments
52	6132 - Mixed Lov Ce	wland Fore edar	st with Pole	timbe	r Medium	20.4 102	51-80	N/A		Lowland hardwood and conifer mix. Drainage found though stand with portions of stand being completed flooded.
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Canopy Specie	es Density	Avg. Height	Size	
	American Elm	2	Pole	6		American Elm	Low	Variable	Sapling	
	Red Maple	15	Pole/Log/Sap	8		Red Maple	Low	5 - 10 feet	Sapling	
	Paper Birch	8	Pole	8		Balsam Fir	High	10 - 20 feet	Sapling	
	Balsam Fir	15	Pole	7		Alder	Medium	5 - 10 feet	Tall Shrub	
No	rthern White Cedar	30	Pole/Log	9	102	Musclewood/Hornbea	m Low	5 - 10 feet	Tall Shrub	
	White Pine	5	Log/Pole	11			·			
	Hemlock	5	Pole	8						
	Quaking Aspen	20	Pole/Log	9						
53 54	6229 - Mixed 6128 - Lowland (ocked oer Well	1.3 0	Unspecified 51-80	No N/A		Wet mixed cedar with other lowland conifer/lowland hardwood. Variable stand with pockets where cedar is well put together, and other pockets
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Canopy Specie	s Density	Avg. Height	Size	very wet with heavy blowdown and tag alder.
	Paper Birch	10	Pole	8		Red Maple	Medium	Variable	Sapling	
	Quaking Aspen	15	Log	14		Balsam Fir	Low	< 5 feet	Sapling	
	Balsam Fir	10	Pole/Sapling	6		White Pine	Low	Variable	Sapling	
No	rthern White Cedar	40	Log/Pole	11	106	Tag Alder	Medium	5 - 10 feet	Tall Shrub	
	Red Maple	15	Log/Pole	12			'	1		•
	Tamarack	8	Log/Pole	12						
55	6220 - A	lder/willow	١	Nonst	ocked	0.8	Unspecified	No		Mostly Tag Alder with Willow and Cattails.
						Sub-Canopy Specie	es Density	Avg. Height	Size	
						Cattail spp.	Low		Non-Wood	
						Willow spp.	Low		Tall Shrub	
						willow spp.	LOW		Tan Omas	
						Tag Alder	Medium		Tall Shrub	
56	42110 - Plar Canopy Species		ine Sa Size Class		er Well			N/A		



Stand	Level 4 Co	over Type	5	Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
58	4130 -	- Aspen	Р	oletimb	er Well	23.6	46	81-110	N/A		Aspen stand split up by various drainages. Very difficult access to
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	northern portion of stand, southern blocks have easy access.
	Red Maple	10	Pole/Log	9		Re	ed Maple	Low	5 - 10 feet	Sapling	
	Quaking Aspen	64	Pole/Log	9	46	Ва	ılsam Fir	High	Variable	Sapling	
	Balsam Fir	13	Pole	6			Alder	Low	5 - 10 feet	Tall Shrub	
	White Pine	5	Log	12		WI	hite Pine	Low	Variable	Sapling	
	Black Cherry	2	Log/Pole	12							
	Paper Birch	5	Pole/Log	9							
Nor	thern White Cedar	1	Pole/Log	9							
59	4130 -	- Aspen		Sapling	Well	17.2	16	Immature	N/A		Stand was final harvested in 2004, with cedar being left Notes from
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	timber sale notes wet nature of sale. Came back well with exception of southern edge which flooded out to alder more or less.
	Red Maple	17	Sapling	3	16	Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Paper Birch	5	Sapling	2	16						
-	Quaking Aspen	65	Sapling	3	16						
Nor	thern White Cedar	5	Pole	8							
	Balsam Fir	4	Sapling	2							
	White Pine	2	Sapling	2							
	Black Cherry	2	Sapling	2							
60	4130 -	- Aspen	P	oletimb	er Well	3.9	25	Immature	N/A		Stand was final harvested in 1994. Came back well, just into pole class,
	Canopy Species	% Cover	Size Class	DBH	Age						almost still sapling size in spots.
	Red Maple	10	Sapling/Pole	3							
	Quaking Aspen	75	Pole/Sapling	5	25						
	Balsam Fir	7	Sapling/Pole	3							
	White Pine	8	Sapling/Pole	3							
61	310 - Herbace	eous Open	land	Nonsto	cked	13.0	ι	Unspecified	Managed O	pening	Powerline. Is a mix of upland and lowland. Mostly lowland.
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	
						Ca	ttail spp.	Medium		Non-Wood	
						Mixes Se	edges/Grasses	s Medium		Non-Wood	
						Brad	cken Fern	Medium		Non-Wood	
62	42110 - Plar	nted Red P	ine S	awtimbe	er Poor	39.7	66	1-50	N/A		Consumers red pine that was seed tree cut in 2017. Remaining timber is
	Canopy Species	% Cover	Size Class	DBH	Age						still owned by consumers lease.
	Red Pine	98	Log	12	66						
	White Pine	2	Log	11							
	6220 - Al	lder/willow		Nonsto	cked	2.8	ı	Unspecified	No		Tag Alder and grass along Buttermilk Creek.
63				1 1011010							
63				14011010	Г	Sub-Ca	nopy Species	s Density	Avg. Height	Size	



	Level 4 Cover Type		ize De	nsity	Acres Stand Age	BA Range	Managed 9	Site	General Comments
64 330 - Low	-Density Tre	es 1	Vonsto	cked	3.9	Unspecified	No		Trees starting to fill in. Mix of pine and cherry trees.
65 330 - Low	-Density Tre	es 1	Vonsto	cked	1.3	Unspecified	No		Pine and Cherry starting to creep in from sides.
					Sub-Canopy Species	s Density	Avg. Height	Size	
					Bracken Fern	High		Non-Wood	
66 4139 - Asper	, Mixed Deci	iduous Sa	wtimb	er Well	87.9 58	81-110	N/A		Relative large block of primarily aspen and red maple although stand
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	s Density	Avg. Height	Size	contains scattered cedar, white pine and balsam fir. Drainages/ seeps throughout most appear to be seasonal. A few scattered legacy white
Red Maple	30	Log/Pole	10		Red Maple	Medium	Variable	Sapling	pine noted. South of road same stand although red maple falls off and
Paper Birch	3	Log/Pole	11		Paper Birch	Low	Variable	Sapling	balsam picks up.
Quaking Aspen	48	Log/Pole	11	58	Balsam Fir	Medium	Variable	Sapling	
Balsam Fir	7	Pole/Sap/Log	7		Tag Alder	Low	5 - 10 feet	Tall Shrub	
Northern White Cedar	4	Log/Pole	10		Musclewood/Hornbean	n Low	5 - 10 feet	Tall Shrub	
White Pine	6	Log/XLog	14		White Pine	High	Variable	Sapling	
Red Pine	1	Log	12						
Hemlock	1	Pole	8						
67 6128 - Lowland De	ciduous % Cover	Size Class	DRH	Age	Sub-Canopy Species	s Density	Avg. Height	Size	off the bluff of the Manistee river. Variable complex but all tied together being within the protected buffer of the Manistee river. Upland characte
Red Maple	10		יוטטי	Age	Sub-Carlopy Species	5 Delibity	Avg. Height		
<u>'</u>		Pole/Loa	9		Red Manle	Medium	Variable	Sanling	
Paper Birch		Pole/Log Pole	9		Red Maple White Ash	Medium	Variable Variable	Sapling	along some of the side slopes but overall lowland along river bottom. Old ash pockets have all fallen out from EAB and are slowly filling back in.
Paper Birch Quaking Aspen	5	Pole	6		White Ash	Low	Variable	Sapling	
Paper Birch Quaking Aspen Balsam Fir	5 15		6 9		· · · · · · · · · · · · · · · · · · ·	Low Medium	Variable 5 - 10 feet	Sapling Tall Shrub	
Quaking Aspen	5 15 15	Pole Pole/Log	6	104	White Ash Tag Alder Musclewood/Hornbean	Low Medium	Variable	Sapling Tall Shrub Tall Shrub	ash pockets have all fallen out from EAB and are slowly filling back in.
Quaking Aspen Balsam Fir	5 15 15	Pole Pole/Log Pole	6 9 7	104	White Ash Tag Alder	Low Medium n Low	Variable 5 - 10 feet 5 - 10 feet	Sapling Tall Shrub	ash pockets have all fallen out from EAB and are slowly filling back in.
Quaking Aspen Balsam Fir Northern White Cedal	5 15 15 35	Pole Pole/Log Pole Pole/Log	6 9 7 9	104	White Ash Tag Alder Musclewood/Hornbean Hawthorn (spp.)	Low Medium n Low Medium	Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Tall Shrub Tall Shrub Tall Shrub	ash pockets have all fallen out from EAB and are slowly filling back in.
Quaking Aspen Balsam Fir Northern White Cedal Hemlock	5 15 15 35 14	Pole Pole/Log Pole Pole/Log Pole/Log	6 9 7 9	104	White Ash Tag Alder Musclewood/Hornbean Hawthorn (spp.)	Low Medium n Low Medium	Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Tall Shrub Tall Shrub Tall Shrub	ash pockets have all fallen out from EAB and are slowly filling back in.
Quaking Aspen Balsam Fir Northern White Cedal Hemlock Basswood Red Oak	5 15 15 35 14 2	Pole Pole/Log Pole/Log Pole/Log Log/Pole Pole/Log	6 9 7 9 9		White Ash Tag Alder Musclewood/Hornbean Hawthorn (spp.) Balsam Fir	Low Medium n Low Medium	Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Tall Shrub Tall Shrub Tall Shrub	ash pockets have all fallen out from EAB and are slowly filling back in.
Quaking Aspen Balsam Fir Northern White Cedal Hemlock Basswood Red Oak	5 15 15 35 14 2 2	Pole Pole/Log Pole/Log Pole/Log Log/Pole Pole/Log	6 9 7 9 9 11 8		White Ash Tag Alder Musclewood/Hornbean Hawthorn (spp.) Balsam Fir	Low Medium Low Medium Medium Medium	Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet Variable No	Sapling Tall Shrub Tall Shrub Tall Shrub Sapling	ash pockets have all fallen out from EAB and are slowly filling back in.
Quaking Aspen Balsam Fir Northern White Cedal Hemlock Basswood Red Oak	5 15 15 35 14 2 2	Pole Pole/Log Pole/Log Pole/Log Log/Pole Pole/Log	6 9 7 9 9 11 8		White Ash Tag Alder Musclewood/Hornbean Hawthorn (spp.) Balsam Fir	Low Medium Low Medium Medium Medium	Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet Variable	Sapling Tall Shrub Tall Shrub Tall Shrub	ash pockets have all fallen out from EAB and are slowly filling back in.
Quaking Aspen Balsam Fir Northern White Cedal Hemlock Basswood Red Oak 68	5 15 15 35 14 2 2	Pole Pole/Log Pole/Log Pole/Log Log/Pole Pole/Log	6 9 7 9 9 11 8	ocked	White Ash Tag Alder Musclewood/Hornbean Hawthorn (spp.) Balsam Fir 0.7 Sub-Canopy Species Leatherleaf	Low Medium Low Medium Medium Medium Unspecified S Density	Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet Variable No	Sapling Tall Shrub Tall Shrub Tall Shrub Sapling	ash pockets have all fallen out from EAB and are slowly filling back in.
Quaking Aspen Balsam Fir Northern White Cedal Hemlock Basswood Red Oak 68 62	5 15 15 35 14 2 2 2 25 - Bog	Pole Pole/Log Pole/Log Pole/Log Log/Pole Pole/Log	6 9 7 9 9 11 8 Nonsto	ocked	White Ash Tag Alder Musclewood/Hornbean Hawthorn (spp.) Balsam Fir 0.7 Sub-Canopy Species Leatherleaf	Low Medium Low Medium Medium Medium Unspecified S Density Full Unspecified	Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet Variable No Avg. Height	Sapling Tall Shrub Tall Shrub Tall Shrub Sapling	
Quaking Aspen Balsam Fir Northern White Cedal Hemlock Basswood Red Oak 68 62	5 15 15 35 14 2 2 2 25 - Bog	Pole Pole/Log Pole/Log Pole/Log Log/Pole Pole/Log	6 9 7 9 9 11 8 Nonsto	ocked	White Ash Tag Alder Musclewood/Hornbean Hawthorn (spp.) Balsam Fir 0.7 Sub-Canopy Species Leatherleaf	Low Medium Low Medium Medium Medium Unspecified S Density Full Unspecified	Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet Variable No Avg. Height	Sapling Tall Shrub Tall Shrub Sapling Size Tall Shrub	ash pockets have all fallen out from EAB and are slowly filling back in.
Quaking Aspen Balsam Fir Northern White Cedal Hemlock Basswood Red Oak 68 62	5 15 15 35 14 2 2 2 25 - Bog	Pole Pole/Log Pole/Log Pole/Log Log/Pole Pole/Log	6 9 7 9 9 11 8 Nonsto	ocked	White Ash Tag Alder Musclewood/Hornbean Hawthorn (spp.) Balsam Fir 0.7 Sub-Canopy Species Leatherleaf	Low Medium Low Medium Medium Medium Unspecified S Density Full Unspecified	Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet Variable No Avg. Height	Sapling Tall Shrub Tall Shrub Sapling Size Tall Shrub	ash pockets have all fallen out from EAB and are slo



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
71	429 - Mixed l	Jpland Con	ifers	Sawtimb	er Well	25.1	75	141-170	N/A		Planted White Spruce, White Pine and Red Pine stand growing on steps
	Canopy Species	% Cover	Size Class	DBH	l Age						down to Manistee River. White pine and spruce in poor quality. Never successfully harvest to date. Setup and sold sale, was returned to State
	Red Oak	8	XLog	20							in 2007 by producer that couldn't cut as a result of access issues. Some
	Quaking Aspen	1	Log/XLog	13							oak and dead ash scattered in stand. Spruce is stagnant in much of
	White Spruce	39	Pole/Log	9							stand particularly under these oaks and dead ash.
	White Pine	40	Log/Pole	10	75						
	Red Pine	5	Log/XLog	16							
	Paper Birch	4	Pole	6							
	Red Maple	1	Log/Pole	12							
	Black Cherry	2	Pole/Log	8							
72	3302 - Low Der	sity Conife	Trees	Nonst	ocked	0.9	l	Jnspecified	No		Landing for Red Pine stand. Red Pine regen.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Brad	ken Fern	Medium		Non-Wood	1
						R	ed Pine	Medium		Sapling	
73	42110 - Pla	nted Red P	ine	Sawtimb	er Well	301.3	70	141-170	N/A		Large consumers red pine stand. Stand is actively managed by
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	consumers, some small die back pockets and some understory forming in these pockets.
	Red Pine	93	Log	13	70	Wh	nite Pine	Medium	< 5 feet	Sapling	'
	White Pine	2	Log	12			Beech	Low	< 5 feet	Sapling	
	Red Maple	5	Log/Pole	10		Re	d Maple	Low	Variable	Sapling	
74	4130	- Aspen		Saplin	y Well	2.1	16	Immature	N/A		Was a cedar final harvest done by wildlife division in 2003. Small sale
	Canopy Species	% Cover	Size Class	DBH	l Age						with portable sawmill brought on site. Came back to mostly aspen.
	Red Maple	10	Sapling	3							
	Quaking Aspen	80	Sapling	3	16						
	Balsam Fir	5	Sapling	2							
	White Pine	5	Sapling	2							
75	500	- Water		Nonst	ocked	9.6	l	Jnspecified	No		Manistee River.

Report 7 - Stands Cadillac Mgt. Unit



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
76	6128 - Lowland (Deci	Coniferous duous	, Mixed F	Poletimb	er Well	17.3	108	111-140	N/A		Cedar/Fir stand along Manistee River. Sidehill growing Northern Hardwoods. Very steep slope. All of stand off bluff of river.
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	8	Pole	6		Re	ed Maple	Medium	Variable	Sapling	
	Red Maple	8	Pole/Sapling	6		Ва	alsam Fir	Medium	Variable	Sapling	
	Basswood	2	Log	12		W	hite Pine	Low	Variable	Sapling	
	Red Oak	2	Log/Pole	8		Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Paper Birch	5	Pole/Log	8		Haw	thorn (spp.)	Low	5 - 10 feet	Tall Shrub	
(Quaking Aspen	10	Pole/Log	9		W	hite Oak	Low	Variable	Sapling	
	Balsam Fir	10	Pole	8							
Nort	thern White Cedar	40	Pole/Log	9	108						
	White Pine	10	Log/Pole	10							
	Hemlock	5	Pole	6							
77	4110 - Sugar M	laple Asso	ciation F	Poletimb	er Well	15.1	66	51-80	N/A		Pole hardwood stand with slight rolling terrain. Lower to medium quality
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	appears to be stump sprout origin. A few pine mixed in from adjacent consumers red pine stand.
	Sugar Maple	74	Pole	8	66		Beech	Low	Variable	Sapling	
	Basswood	8	Pole	8		Ir	onwood	Medium	Variable	Sapling	
	Beech	8	Pole/Log	8							
Е	Bigtooth Aspen	8	Log/XLog	17							
	Black Cherry	2	Pole	7							
78	4130	- Aspen		Sapling	ı Well	46.0	7	Immature	N/A		Stand was final harvested in summer of 2013. Chipping operation.
-	Canopy Species	% Cover	Size Class	DBH	Age						Producer worked with private subdivision to east to gain access. Stand was cut during a dry period so rutting was avoided. Any cedar, hemlock
	Red Maple	10	Sapling	1	7						and oak was left. Seasonally wet in pockets.
(Quaking Aspen	85	Sapling	1	7						
	White Oak	2	Pole	7							
Nort	thern White Cedar	2	Pole/Log	8							
	Balsam Fir	1	Sapling	1							
79	4130	- Aspen		Sapling	y Well	32.8	7	Immature	N/A		Stand was final harvested in Dec of 2013. Shortwood operation. All white
	Canopy Species	% Cover	Size Class	DBH	Age						pine, cedar, and oak was left. Very wet ground with wet seeps running ir spots. Was cut in a very cold snowy winter.
		15	Sapling	1	_						spots. Was out in a very cold showy willer.
	Red Maple										
	Red Maple Red Oak	5	Pole/Sapling	6							
	·	5 70	Pole/Sapling Sapling	6	7						
	Red Oak			1	7						

Report 7 - Stands



Compartment: 150

Year of Entry: 2022

Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Ag	e BA Range	Managed S	iite	General Comments
80	4199 - Other Mixed	d Upland D	eciduous	Sapling	Well	20.1	7	Immature	N/A		Stand was final harvested in March of 2014. Was very heavy to red
C	Canopy Species	% Cover	Size Class	DBH	Age						maple, with aspen. (Still snow on the ground) Shortwood operation with all cedar and hemlock left where present. Upland although lowland
	Red Maple	48	Sapling	1	7						character in spots.
Q	uaking Aspen	38	Sapling	1	7						
	Balsam Fir	5	Sapling	1							
North	nern White Cedar	4	Pole	8							
	White Pine	2	Sapling	1							
	Hemlock	2	Pole	6							
	White Oak	1	Sapling	1							
81	4133 - Aspe	n, Mixed P	ine	Sapling	Well	14.4	7	Immature	N/A		Stand was final harvest in summer of 2014, all cedar and white pine were
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Spec	ies Density	Avg. Height	Size	left. Wet ground. Shortwood operation. White pine focused in overstory in one main pocket otherwise sprouting well to aspen/maple. A few small
	Red Maple	5	Sapling	1		Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Paper Birch	5	Sapling	1				1	ı	1	
Q	uaking Aspen	60	Sapling	1	7						
	Balsam Fir	5	Sapling	1							
North	nern White Cedar	5	Pole	6							
	White Pine	20	Log/Pole	10							
82	4130	- Aspen		Sapling	Well	30.9	7	Unspecified	N/A		Stand was final harvested in summer 2014. Shortwood operation. Cedar,
C	Canopy Species	% Cover	Size Class	DBH	Age						hemlock, oak and white pine left. Mostly upland although some wet on edges.
	Red Maple	15	Sapling	1	7						- agooi
Q	uaking Aspen	63	Sapling	1	7						
В	igtooth Aspen	5	Sapling	1	7						
	Balsam Fir	10	Sapling	1							
	White Pine	5	Pole	7							
	White Oak	2	Pole/Log	9							
83	4130	- Aspen		Sapling	Well	20.9	7	Unspecified	N/A		Stand was final harvested in 2014, short wood operation. Any red pine and oak were left. was part of larger stand to east, broken up to break up
C	Canopy Species	% Cover	Size Class	DBH	Age						age class. Some wet on edges. Came back well to aspen and red maple
	Red Maple	20	Sapling	1	7						with some pine mixed in regen.
	uaking Aspen	70	Sapling	1	7						
North	nern White Cedar	2	Pole	8							
	White Oak	5	Sapling	1							
	Red Pine	1	Sapling	1							
V	Vhite Mulberry	2	Sapling	1							
84	4130	- Aspen		Sawtimb	er Wel	l 1.3	62	51-80	N/A		Small stand, no access through State. Just a small upland portion of
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Spec	cies Density	Avg. Height	Size	state with no access except from river.
В	igtooth Aspen	90	Log	11	62	Re	ed Maple	High	Variable	Sapling	
	Red Maple	10	Log/Pole	10							



tand	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
85	6120 - Lov	wland Ceda	ar Sa	awtimb	er Well	5.7	87 L	Inspecified	N/A		Land and river locked lowland conifer stand along Manistee River.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
Nor	rthern White Cedar	60	Log/Pole	10	87	Ta	g Alder	Medium	5 - 10 feet	Tall Shrub	
	Quaking Aspen	10	Log	12							
	Red Maple	2	Log/Pole	12							
	White Pine	10	Log/Pole	14							
	Paper Birch	10	Pole/Log	9							
	Balsam Fir	8	Pole/Log	8							
36	310 - Herbac	eous Openi	land	Nonsto	ocked	3.6	0 L	Inspecified	No		Road
87	42110 - Plar				er Well	4.7	65	201+	N/A		Consumer's Red Pine stand. Two islands to East never thinned. Ve difficult access for two small stands not even totaling 5 acres.
	Red Pine	% Cover 100	Size Class Log	12	Age 65						difficult decease for two small startes flot even totaling o doles.
90	6112 - Lov	wland Aspe			Medium	n 1.9	25	Immature	N/A		Stand was final harvested in 1994. Very wet conditions with beaver
	Canopy Species	•	Size Class	DBH	Medium		25 nopy Species		Avg. Height	Size	activity, aspen came back patchy and low quality.
	Canopy Species Red Maple	% Cover 5	Size Class Sapling/Pole	DBH 4		Sub-Car Bal	nopy Species sam Fir	Density Low	Avg. Height 5 - 10 feet	Tall Shrub	activity, aspen came back patchy and low quality.
	Canopy Species Red Maple Paper Birch	% Cover 5 5	Size Class Sapling/Pole Sapling/Pole	DBH 4 4	I Age	Sub-Car Bal	nopy Species sam Fir ack Ash	Density Low Low	Avg. Height 5 - 10 feet Variable	Tall Shrub	activity, aspen came back patchy and low quality.
	Canopy Species Red Maple Paper Birch Quaking Aspen	% Cover 5 5 85	Size Class Sapling/Pole Sapling/Pole Pole	DBH 4 4 6		Sub-Car Bal	nopy Species sam Fir	Density Low	Avg. Height 5 - 10 feet	Tall Shrub	activity, aspen came back patchy and low quality.
	Canopy Species Red Maple Paper Birch	% Cover 5 5	Size Class Sapling/Pole Sapling/Pole	DBH 4 4	I Age	Sub-Car Bal	nopy Species sam Fir ack Ash	Density Low Low	Avg. Height 5 - 10 feet Variable	Tall Shrub	activity, aspen came back patchy and low quality.
	Canopy Species Red Maple Paper Birch Quaking Aspen Balsam Fir	% Cover 5 5 85	Size Class Sapling/Pole Sapling/Pole Pole Pole	DBH 4 4 6	25	Sub-Car Bal	nopy Species sam Fir ack Ash g Alder	Density Low Low	Avg. Height 5 - 10 feet Variable	Tall Shrub	activity, aspen came back patchy and low quality. Stand was final harvested in 2004. Notes from timber sale notes wet
93	Canopy Species Red Maple Paper Birch Quaking Aspen Balsam Fir	% Cover 5 5 85 5 - Aspen	Size Class Sapling/Pole Sapling/Pole Pole Pole	DBH 4 4 6 5	25	Sub-Car Bal Bla Ta	nopy Species sam Fir ack Ash g Alder	Low Low Medium	Avg. Height 5 - 10 feet Variable 5 - 10 feet	Tall Shrub	Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A few cedar were left scattered. A few mature asper
93	Canopy Species Red Maple Paper Birch Quaking Aspen Balsam Fir	% Cover 5 5 85 5 - Aspen	Size Class Sapling/Pole Sapling/Pole Pole Pole	DBH 4 4 6 5	25 Well	Sub-Car Bala Bla Tag 8.0 Sub-Car	nopy Species sam Fir ack Ash g Alder	Low Low Medium	Avg. Height 5 - 10 feet Variable 5 - 10 feet N/A	Tall Shrub Sapling Tall Shrub	Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A few cedar were left scattered. A few mature asper were left along edge where stand got too wet.
93	Canopy Species Red Maple Paper Birch Quaking Aspen Balsam Fir 4130 Canopy Species	% Cover 5 5 85 5 - Aspen % Cover	Size Class Sapling/Pole Sapling/Pole Pole Pole Size Class	DBH 4 4 6 5 Sapling	25 Well	Sub-Car Bal Bla Tag 8.0 Sub-Car Bal	nopy Species sam Fir ack Ash g Alder 16 nopy Species	Low Low Medium Immature Density	Avg. Height 5 - 10 feet Variable 5 - 10 feet N/A Avg. Height	Tall Shrub Sapling Tall Shrub Size	Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A few cedar were left scattered. A few mature asper were left along edge where stand got too wet.
93	Canopy Species Red Maple Paper Birch Quaking Aspen Balsam Fir 4130 Canopy Species Red Maple	% Cover 5 85 5 85 5 - Aspen % Cover 5	Size Class Sapling/Pole Sapling/Pole Pole Pole Size Class Sapling	4 4 6 5 Sapling DBH 2	25 Well	Sub-Car Bal Bla Tag 8.0 Sub-Car Bal Bla	nopy Species sam Fir ack Ash g Alder 16 nopy Species sam Fir	Low Low Medium Immature Density Low	Avg. Height 5 - 10 feet Variable 5 - 10 feet N/A Avg. Height 5 - 10 feet	Tall Shrub Sapling Tall Shrub Size Tall Shrub	Stand was final harvested in 2004. Notes from timber sale notes wet nature of sale. A few cedar were left scattered. A few mature asper were left along edge where stand got too wet.