

Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63131
Entry Year 2027
Acreage: 2,284
County: Wexford

Management Area: Kalkaska Sandy Moraines

Stand Examiner: Joel Taylor

Legal Description:

T24N R11W, Sections 10, 11, 14, 15, 21, 22, 23, 26, 27, 28

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 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:

Level to slightly rolling topography throughout the Compartment, with steep ravines along Anderson creek and a steep well defined bluff above the Manistee river.

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

Sections 10 and 11 are a patchwork of state forest and private land. The private lands have are a mixture of forested and non-forested land, with some fields and Christmas trees. Section 15 is half state forest with private lands being mostly forested. Sections 14, 22, 23, and 27 are solid state ownership.

Unique Natural Features:

Wood turtle, Blanding's turtle (Emys blandingii, state special concern), and eastern massasauga (Sistrurus catenatus catenatus, state special concern) could occur in stands of swamp conifer and swamp hardwoods associated with the Manistee River and Anderson Creek. Great blue heron rookeries could occur in the swamp hardwood, swamp conifer and swamp hardwood habitat. A great blue heron rookery is known from southeast of the compartment. Bald eagle (Haliaeetus leucocephalus, state threatened, federally threatened) and osprey (Pandion haliaetus, state threatened) could potentially occur within the compartment in upland conifer and lowland conifer if suitable nesting trees/snags are available. Eastern box turtle (Terrapene carolina carolina, state special concern) could occur throughout the compartment. Red-shouldered hawk (Buteo lineatus, state threatened) and northern goshawk (Accipiter gentilis, state special concern) could occur in this compartment in northern hardwoods, oak, mature aspen, swamp hardwoods (red-shouldered hawk), swamp conifer (red-shouldered hawk), and pine stands (goshawk, including plantations). When marking prescribed stands for timber sale, please be observant for stick nests and territorial hawks or goshawks.

Limestone oak fern (Gymnocarpium robertianum, state threatened), round-leaved orchid (Amerorchis rotundifolia, state endangered), ram's head lady's-slipper (Cypripedium arietinum, state special concern), and calypso orchid (Calypso bulbosa, state threatened) could potentially occur within the cedar swamp in the northwest of the compartment. The slopes above of the Manistee River harbor potential for ginseng

Archeological, Historical, and Cultural Features:

Prehistoric camps and earthwork are in the area. The Indian trail from the Cadillac area to Grand Traverse Bay is also in the vicinity.

Special Management Designations or Considerations:

The Manistee River which serves as the southern border of this compartment. It is managed under a MOU as a natural river and the restrictions which go along with that designation are applied to all treatments. Anderson Creek which is a tributary to the Manistee river runs N/S through the compartment also.

Watershed and Fisheries Considerations:

Anderson Creek flows south through this compartment, while the mainstream of the Manistee is the south boundary of the compartment. 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. Anderson Creek, a designated trout stream, has a long history of beaver activity, which has had an adverse impact on trout populations. On Anderson Creek the vegetative buffer would be 100 feet for slopes 0-10%, 115 feet for slopes 11-20%, 135 feet for slopes 21-32%, and 155 feet for slopes 33+%, unless one of the eight exceptions are met. The vegetative buffer on the mainstream is 175 feet, again unless the proposed treatment met one of the exceptions (page 41 of the Upper Manistee River Natural River Plan).

Wildlife Habitat Considerations:

The Manistee River corridor and associated tributaries are valuable wildlife areas offering a good mixture of aspen, lowland hardwoods, upland hardwoods, mixed fruiting shrubs, and conifer cover providing valuable habitats for many wildlife species. These areas are heavily used by wintering deer. Featured species of special interest include deer, bear, woodcock, ruffed grouse, wood turtle and snowshoe hare. Timber sale specifications to benefit wildlife (where applicable) will include brush pile creation along lowland edges, protection of mast-bearing wildlife shrubs and ironwood, protection of standing dead snags, and creation of drumming logs (1-2 per acre) and woody debris (tops or whole trees) in aspen cuts. (E. Victory 6/2015)

Mineral Resource and Development Concerns and/or Restrictions

Sections 10, 11, 14, 15, 22, & 23, T24N R11W, Wexford County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have an economic use. There are some overgrown sand and gravel pits in the area, and potential appears to be good. This area lies 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 exploration, but active leases are located to the west.

Vehicle Access:

This compartment contains a good system of both county maintained roads and state owned two-tracks. Much of the area is easily accessible by vehicle through the existing road system, with additional trails leading to popular camping spots along the Manistee River. No new roads should be created within the compartment and any roads opened for logging access should be reclosed following harvest activities.

Survey Needs:

Corners are requested for 2027 YOE.

Recreational Facilities and Opportunities:

The North Country National Scenic Trail (NCNST) runs along the river bluff in Section 22 before crossing a foot bridge on Anderson Creek. From this point the NCNST follows the Manistee River edge into Section 23, before climbing back up the river bluff into Section 14 and exiting the compartment boundary. Trail protection specifications should be included in any timber sale potentially impacting this national trail. Specifically, appropriate measures identified in DNR Policy & Procedures "32.22XX" (Best Management Practices for Forest and Wildlife Management Adjacent to Recreational Trails) should be taken into consideration when setting up timber sales within this compartment. Scenic vistas are numerous along the river bluff that traverses sections 22 and 23. There are numerous opportunities for dispersed camping, canoeing, hunting, and fishing within this compartment. (T.M.N. 12/17/14)

Fire Protection:

Within this compartment there are numerous forest 2 tracks providing access to the compartment. Dispersed camping and recreationalists use this area causing a concern for abandon campfires. Access to the river lowland is very limited.

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

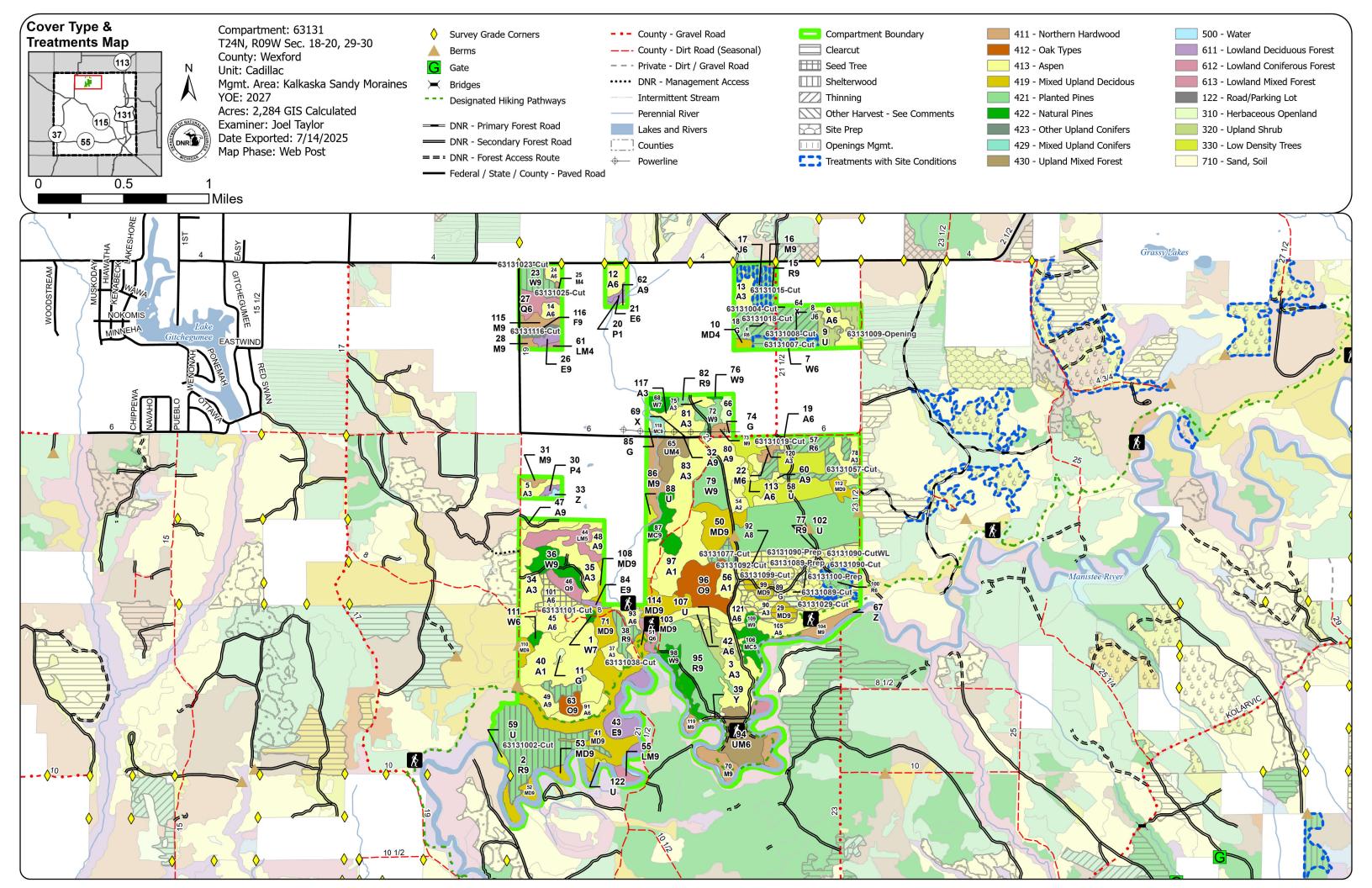
The following information is displayed, where pertinent, on the attached compartment maps:

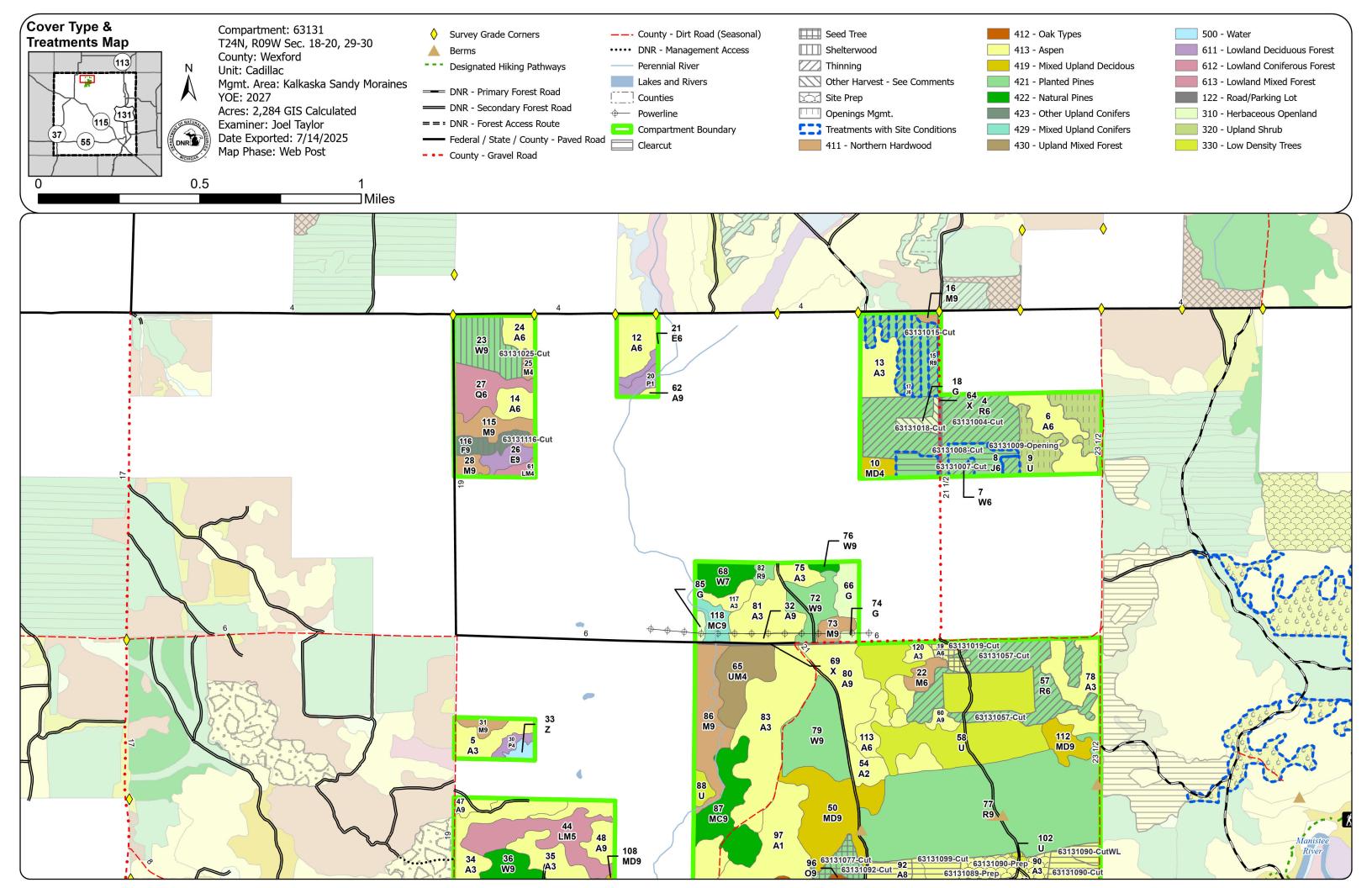
Base feature information, stand boundaries, cover types, and numbers

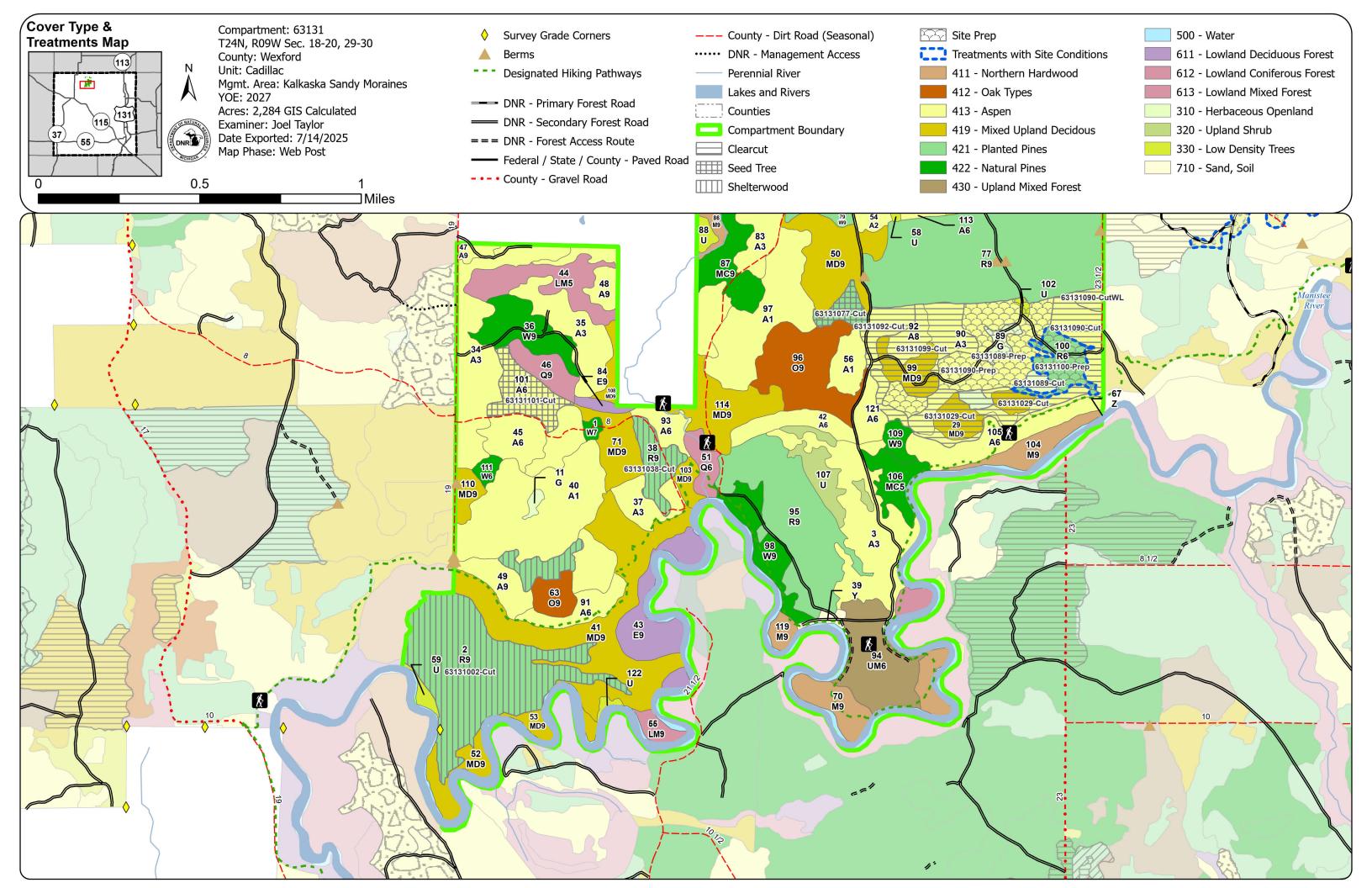
Proposed treatments

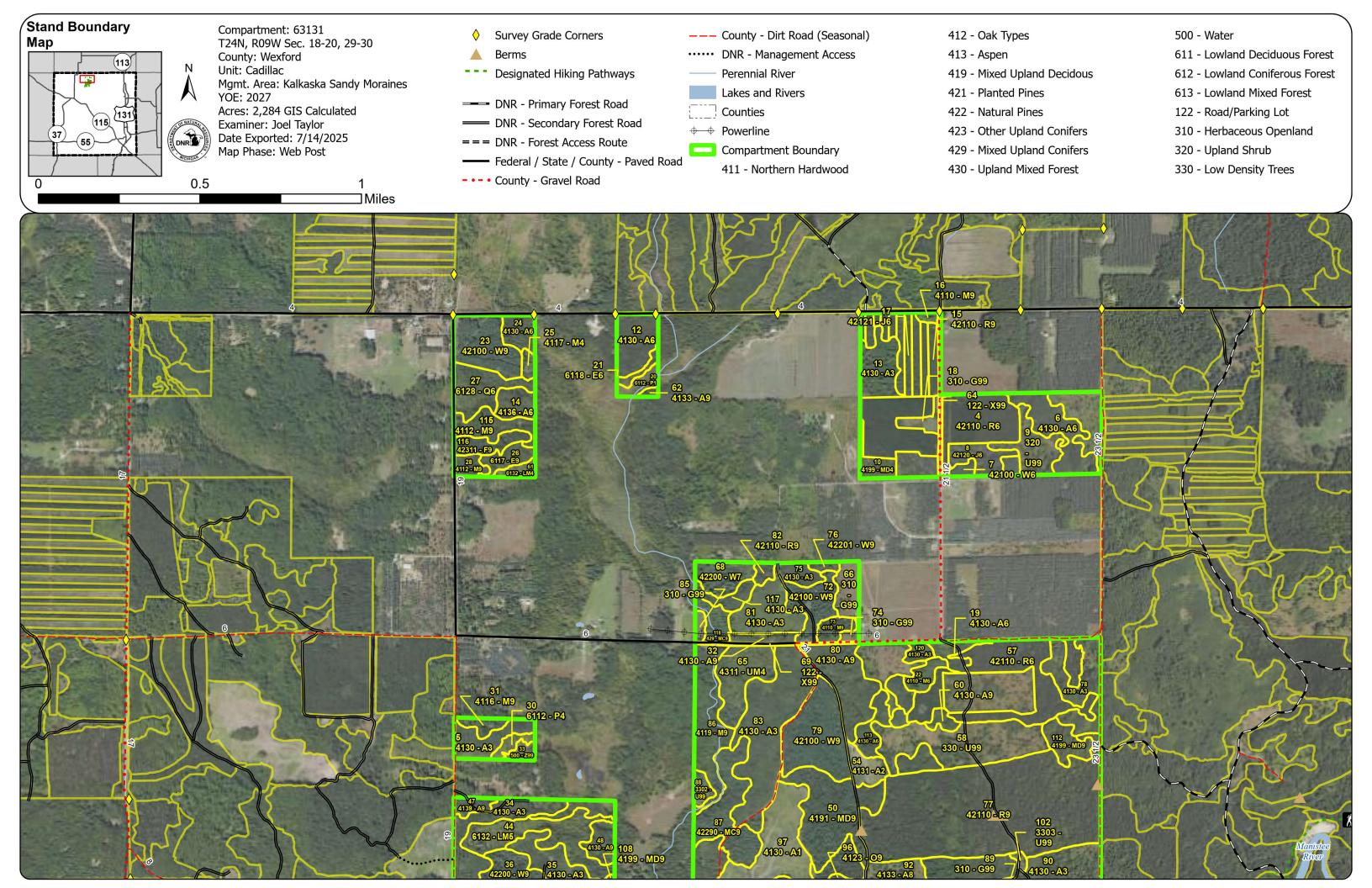
Site condition boundaries

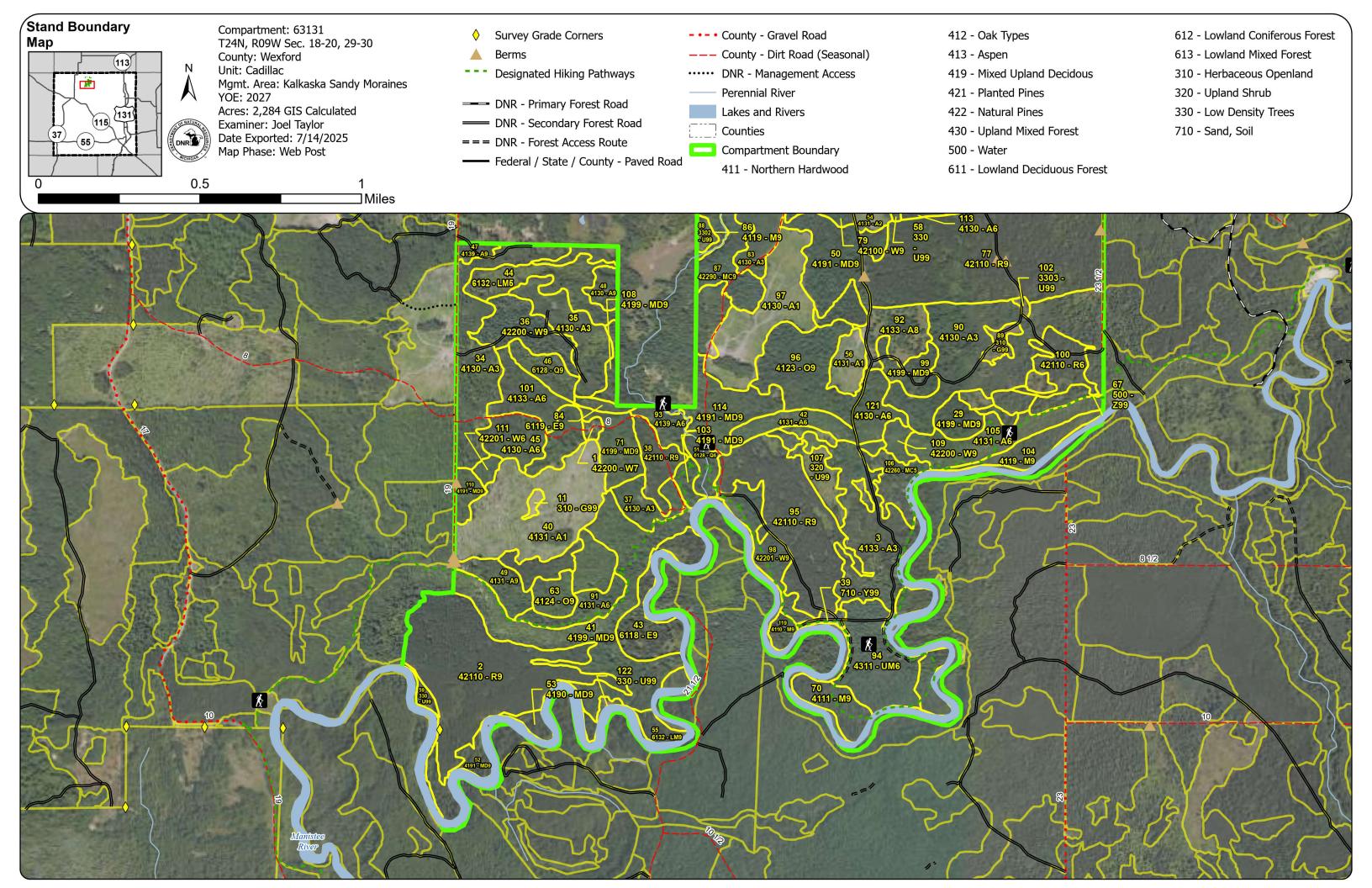
Details on the road access system

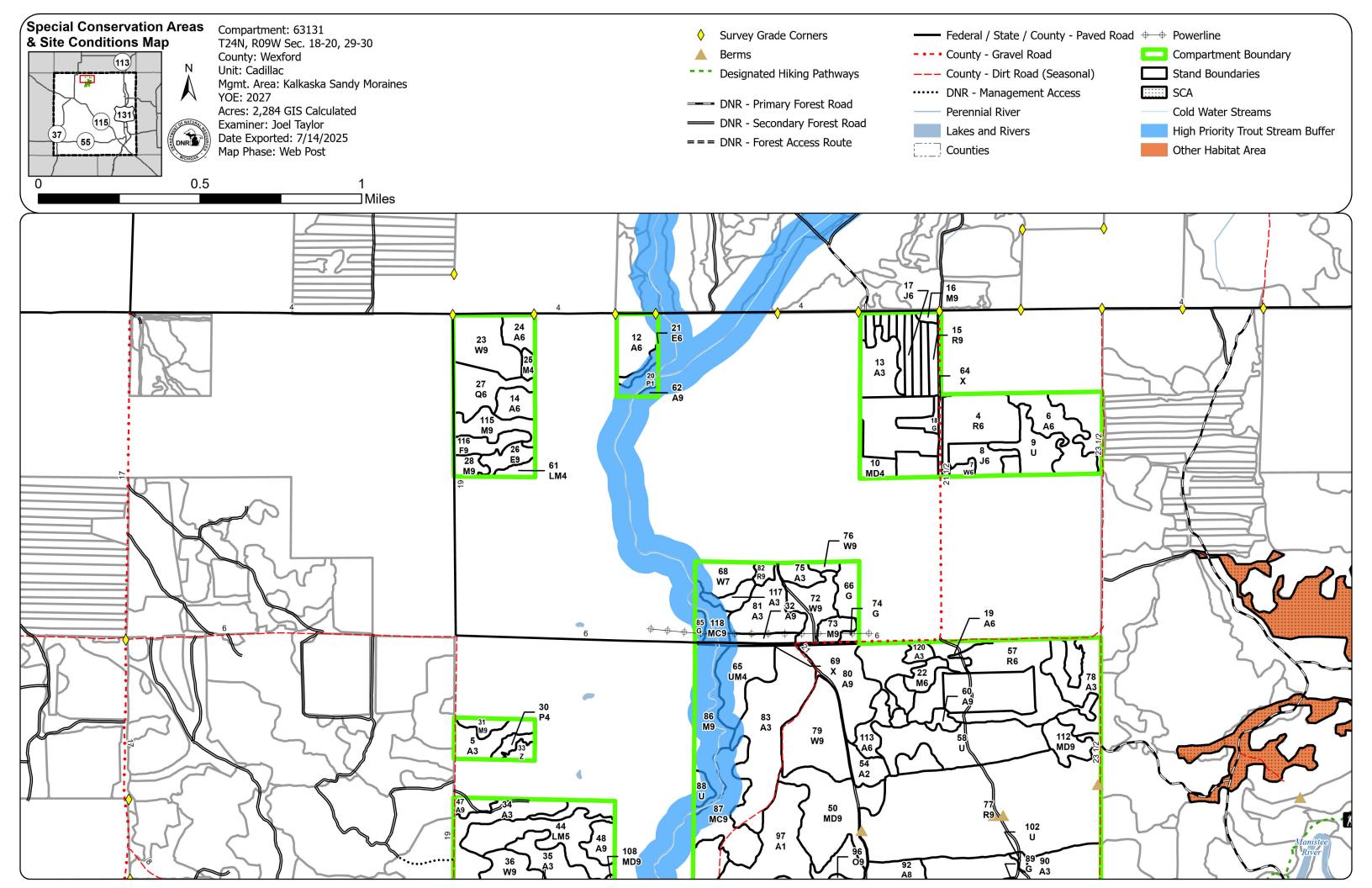


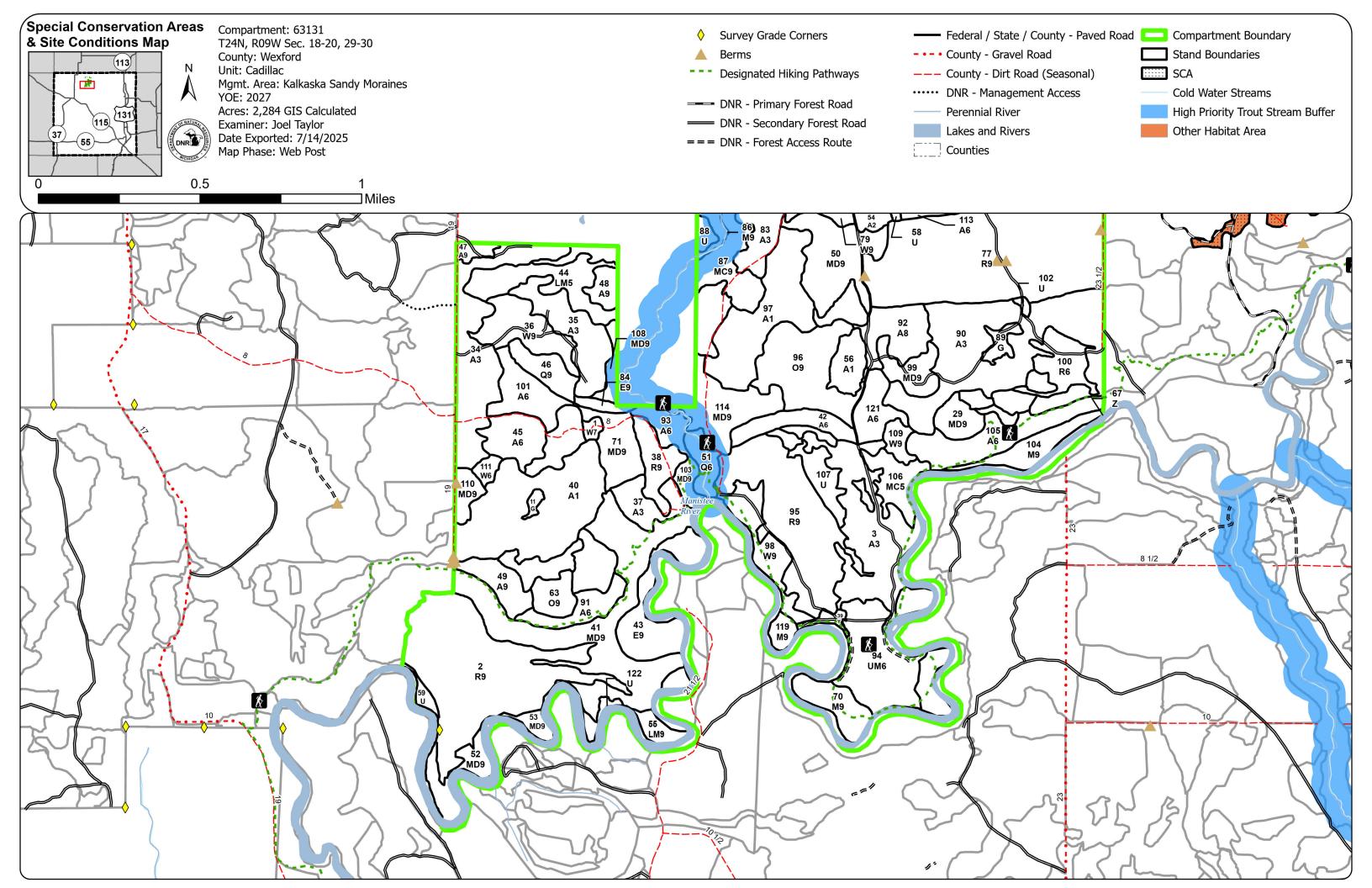












Report 1 – Total Acres by Cover Type and Age Class

Cadillac Mgt. Unit

Compartment 131 Year of Entry 2027

Joel Taylor: Examiner



Age Class

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Aspen	0	152	216	165	49	35	22	107	39	4	0	0	0	0	0	0	0	0	787
Herbaceous Openland	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Jack Pine	0	0	0	10	0	0	15	0	0	0	0	0	0	0	0	0	0	0	25
ow-Density Trees	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80
owland Aspen/Balsam Poplar	0	0	0	0	4	0	3	0	0	0	0	0	0	0	0	0	0	0	7
owland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	12	36
owland Deciduous	0	0	0	0	0	0	2	0	40	0	0	0	0	0	0	0	0	0	42
owland Mixed Forest	0	0	0	0	0	0	3	0	0	0	0	0	0	26	0	0	0	12	41
Mixed Upland Deciduous	0	0	0	0	0	0	13	102	54	23	0	27	0	0	0	0	0	20	239
Natural Mixed Pines	0	0	0	0	14	0	0	0	24	0	0	0	0	0	0	0	0	0	38
Northern Hardwood	0	0	0	2	0	10	4	0	25	29	0	0	0	0	0	0	0	30	99
Dak	0	0	0	0	0	0	0	0	0	0	10	41	0	0	0	0	0	0	51
Red Pine	0	0	0	0	89	0	0	345	16	0	0	0	0	0	0	0	0	0	450
Sand, Soil	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Jpland Conifers	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Jpland Mixed Forest	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	0	0	57
Jpland Shrub	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Jpland Spruce/Fir	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Jrban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Vater	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110
White Pine	0	0	0	0	2	3	0	66	43	2	6	10	0	0	0	0	0	0	132
- Total	268	152	216	177	158	48	62	634	298	58	16	78	0	50	0	0	0	74	2286



Report 2 – Treatment Summary

Cadillac Mgt. Unit Year of Entry: 2027

Acres of Harvest

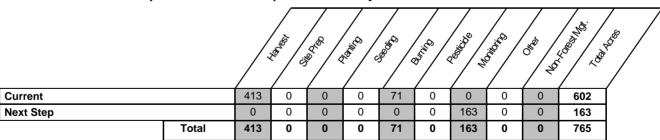
Compartment 131
Total Compartment Acres: 2,284

Commercial Harvest - 525 Harvests with Site Condition - 50 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method

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						8 / 8 / 8	Boule 1	in State of the st	ROUGH O			£ /
Aspen		66	0	0	24	0	0	0	0	0	90	
Herbaceous Openland		9	0	0	0	0	0	0	0	0	13	
Jack Pine		15	0	0	0	0	0	0	0	0	15	
Mixed Upland Deciduous		30	0	0	0	0	0	0	0	0	30	
Northern Hardwood		2	0	0	0	0	0	0	0	0	2	
Red Pine		0	0	0	7	121	104	0	0	0	233	
Upland Spruce/Fir		0	0	0	0	7	0	0	0	0	7	
White Pine		0	0	0	0	20	4	0	0	0	24	
	Total	122	0	0	31	148	108	0	0	0	413]

Proposed and Next Step Treatments by Method



Compartment: 131

Year of Entry: 2027

t a n	Treatment	Acres	Stand	Size	Stand	ВА	Treatment	Treatment	Cover Type	Age	Habitat
d	Name		CoverType	Density	Age	Range	Туре	Method	Objective	Structure	Cut

Proposed Treatments:

66 63131066-9.5 310 - Herbaceous 99 Openings Mgmt. Openings Mgmt. 320 - Upland Previous No Openland Shrub Inventory Opening

Prescription Maintain as an opening. May include mowing, disking, fertilizing, planting, cutting brush or trees, brush pile creation, planting shrubs or other mast/cover species. Possible burn treatment. Plant trees on edges of private boundary for boundary management. Specs:

Next Step Treatments:

Acceptable Grasses

Regen:

Other Potential for old barb wire and steel drums in stand 66. Adjacent neighbor has found plenty of these in their adjacent 40, which was once part of the same farm (potatoes). Comment:

Site Condition:

Proposed Start Date: 10/01/2025

63131058-320 - Upland 58 71.1 330 - Low-Density Burn Prescribed Burn Previous No Burn Trees Shrub Inventory

Prescription Burn on a 3-5 year cycle. Maintain as an opening. May include mowing, disking, fertilizing, planting, cutting brush or trees, brush pile creation, planting shrubs or other mast/cover species.

Next Step Treatments:

<u>Acceptable</u> Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

63131107-15.7 320 - Upland Shrub 320 - Upland 107 99 Openings Mgmt. Openings Mgmt. Previous Nο Opening Shrub Inventory

Prescription Maintain as an opening. May include mowing, disking, fertilizing, planting, cutting brush or trees, brush pile creation, planting shrubs or other mast/cover species. Possible burn treatment. Specs:

Next Step **Treatments:**

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

42110 - Planted 4211 - Planted **Planting** 63131004-Cut 47.4 6 38 141-Harvest **Thinning** No Red Pine 170 Red Pine Record

Prescription First thin red pine plantation. Cut one leave two through row thinning.

Specs:

Next Step Treatments:

Acceptable Regen:

Other Rows run north/south and east west. A main skid may be needed where they meet. Survey request is in.

Comment:

Site Condition:

S t		Cadilla	c Mgt. Unit		Repo	rt 3	Treatments		Compartmen Year of Entr		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
7	63131007-Cut	4.0	42100 - Planted White Pine	6	60	141- 170	Harvest	Thinning	4210 - Planted White Pine	Planting Record	No
Pres Spec		e leave two	o through row thinnir	ng.							
	: Step tments:										
Acce Reg	eptable en:										
Othe Com	<u>er</u> Survey nment:	request is	s in. White pine will s	serve as a	seed so	ource for	adjacent jack pin	e conversion.			
	Condition: Sur	-									
Prop 8	osed Start Date		026 42120 - Planted	6	57	51-80	Harvest	Clearcut	4319 - Mixed	Planting	No
Pres	cription Cut all	iack nine	Jack Pine Do not harvest othe	r snecies I	ınless n	eeded fo	r operations		Upland Forest	Record	
Spec		jack pilic.	Do not naivest oute	і эрссісэ (arii033 ri	ccaca io	operations.				
	Step Monito	ring, Natuı	ral Regen (Re-Inven	tory)							
Acce Reg		jack pine,	white pine, cherry,	oak, asper	n						
Othe Com	<u>er</u> Survey nment:	request is	s in.								
Site	Condition: Sur	vey Neede	ed								
Prop	osed Start Date	<u>:</u> 10/01/2	026								
9	63131009- Opening	25.5	320 - Upland Shrub	99			Openings Mgmt	. Openings Mgmt.	320 - Upland Shrub	Previous Inventory	No
Pres Spec			pening. May include les. Possible burn tre		disking, t	fertilizing	, planting, cutting	g brush or trees, bru	ish pile creation,	planting shru	bs or other
	Step tments:										
Acce Reg	eptable en:										
Othe Com	e <u>r</u> iment:										
Site	Condition:										
Prop	osed Start Date	<u>:</u> 10/01/2	026								
15	63131015-Cut	15.5	42110 - Planted Red Pine	9	69	171- 200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
Pres	cription Thin to	120BA fo	cusing on removing	high risk,	poor for	m trees f	irst. It appears a	strip of red pine is	on state forest bu	t is mapped i	incorrectly.

Specs:

Next Step Treatments:

Acceptable Regen:

<u>Other</u> A main skid to a landing will need to be made during sale admin. Survey request is in.

Comment:

Site Condition: Survey Needed Proposed Start Date: 10/01/2026

S t		Cadilla	c Mgt. Unit		Repor	rt 3 ⁻	Treatments		Compartmen Year of Entry		OF NATURAL AND DORSES OF NATURAL AND DORSES OF NATURAL AND DOSE OF NATURA AND DOSE OF NATURA AND DOSE OF NATURAL AND DOSE OF NATURA AND DO
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
18 Pres	63131018-Cu		310 - Herbaceous Openland ne down to 2".	99			Harvest	Other Harvest - See Comments	320 - Upland Shrub	Previous Inventory	No
Spec											
	: Step tments:										
Acce Rege		grasses, f	orbs, shrubs, trees.								
Othe Com	er Deck nment:	scale this u	nit. Spec 3.2.1								
	Condition:										
	osed Start Date										
19	63131019-Cu	t 5.5	4130 - Aspen	6	67	51-80	Harvest	Seed Tree	413 - Aspen	Planting Record	No
Pres Spec		l species g	reater than 2" at DBI	H except o	onifers.						
	Step tments:										
Acce Rege		, oak, map	le, pine, elm, ash								
Othe Com	<u>er</u> Grous nment:	e spec. So	ft oak wilt.								
Site	Condition:										
Prop	osed Start Date	e: 10/01/2	026								
23	63131023-Cu	t 19.5	42100 - Planted White Pine	9	60	141- 170	Harvest	Shelterwood	42201 - Natural White Pine, Mixed Deciduous	Cutting Record	No
Pres Spec		n 50 BA thro	ough marking of leav	e trees ar	nd desig	nation of	species. Cut all	other trees. Focus	retention on crop	trees with go	od bole
	: Step Monito	oring, Natui	ral Regen (Re-Invent	tory)							
Acce Rege		pine, maple	e, cherry, oak, aspen	ı, hemlock	ξ						
Othe Com			A is aimed at reducir stand should regene			white pin	e weevil damag	e. Ample regen of v	white pine and red	maple in the	
Site	Condition:										
Prop	osed Start Date	e: 10/01/2	026								
25	63131025-Cu	t 2.2	4117 - Mixed N. Hardwood - Pine	4	20	1-50	Harvest	Clearcut	320 - Upland Shrub	Previous Inventory	No

 $\frac{Prescription}{Specs:} \ \ \text{Cut all trees greater than 2" at DBH. Actual acreage may differ due to on the ground conditions.}$

Next Step Treatments:

<u>Acceptable</u> Mix of native grasses, shrubs and trees.

Regen:

Maintaining the wildlife opening through a commercial harvest with adjacent white pine cut.

<u>Other</u> Comment:

Site Condition:

Record

Compartment: 131 Year of Entry: 2027

Red Pine

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а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n CoverType Method Structure Objective Name Density Age Range Type Cut d 29 63131029-Cut 30.3 4199 - Other Mixed 51-80 Harvest Clearcut 4211 - Planted **Planting** Nο

Prescription Cut all trees greater than 2" at DBH. No retention due to conversion to red pine. Require equipment cleaning when leaving this unit. Follow

Specs: Natural Rivers MOU for bluff setback (50ft)

Next Step Treatments:

Acceptable red pine

Regen:

Other Treat with adjacent harvest and mastication for spraying.

Upland Deciduous

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

57 63131057-Cut 41.2 42110 - Planted 6 38 141- Harvest Thinning 4211 - Planted Planting No Red Pine 170 Red Pine Record

<u>Prescription</u> Cut red pine rows following a cut two leave four pattern. Main skids will need to be agreed to during operations as rows vary in direction. <u>Specs:</u>

Next Step Treatments:

Acceptable

Regen:

<u>Other</u>

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

63131002-Cut 97.3 42110 - Planted 9 111-Harvest Shelterwood 4191 - Mixed Cutting 68 No Red Pine 140 Upland Record Deciduous with Conifer

Prescription Specs:

Retain 40-50 BA residual through designation of species and leave tree marking. Cut all other trees. Follow bmps of 60Ba in rmz. Regen protection spec, wood turtle spec (Harvest activities only during inactive season Oct 1-Mar 14 within 660 foot buffer, consult with the Wildlife Biologist to determine if they will be allowed Mar15-May1, (no timing waiver within 100ft of the river)), consider roundwood only, hard oak wilt spec, trail protection spec. Planted red pine does not fall under the memorandum of understanding (MOU) regarding natural rivers.

<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Oak, maple, pine, ash, hemlock, cherry, cedar, aspen

Regen:

Other This is adapted for visual considerations due to the Manistee river and NCT on the bluff above. Obliterate illegal orv trails along river. Use <a href="Comment: 20mment: 20mment

hill as in past sales or major road improvement needed at purchasers expense.

Site Condition:

Cadillac Mgt. Unit

Report 3 -- Treatments

DNR MICHIGAN

Compartment: 131

Year of Entry: 2027

Record

Mixed Pine

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а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 101 63131101-Cut 18.5 4133 - Aspen, 111-Harvest Seed Tree 4133 - Aspen, **Planting** No

<u>Prescription</u> Cut all trees except oak, red pine, birch. Additionally do not harvest white pine over 18" DBH. Leave tree mark additional trees to meet 6-<u>Specs:</u> 8TPA residual if needed. Follow state BMPs where applicable.

140

Next Step Treatments:

Acceptable aspen, oak, pine, maple, birch, cedar, basswood, hemlock

Mixed Pine

Regen:

Other Add drumming log, brush pile, and oak wilt (soft) restrictions. The goal is a long term transition towards a pine/oak stand. There is enough pine and oak regen that should survive or sprout post harvest to transition the stand. Red pine and birch are very minor components and will not constitute much of the retention.

Site Condition:

Proposed Start Date: 10/01/2026

42311 - Planted 4191 - Mixed Cutting 116 63131116-Cut 9 62 Shelterwood 7 1 111-Harvest No Spruce, Mixed 140 Upland Record Deciduous Deciduous with Conifer

<u>Prescription</u> Cut all white spruce, balsam fir, and aspen. Consider marking a handful of vigorous white spruce for retention for wildlife cover/diversity. <u>Specs:</u>

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, cherry, pine, spruce, aspen, birch, hemlock, oak, balsam fir

Regen: Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

77 63131077-Cut 7.4 42110 - Planted 9 65 81-110 Harvest Seed Tree 4310 - Pine, Cutting No Red Pine Oak Mix Record

<u>Prescription</u> Cut all red pine, aspen, beech, and red maple down to 2". Oak wilt spec.

Specs:

Next Step Treatments:

Acceptable pine, oak, maple, birch, aspen, ash, beech

Regen:

Other Stand should regenerate nicely to desired species. Good overstory of oak and white pine seed trees.

Comment:

Site Condition:

Cadillac Mgt. Unit

Report 3 -- Treatments Compartment: 131 S Year of Entry: 2027 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Method Objective **Density** Structure Name CoverType Age Range Type Cut d 89 63131089-Cut 5.8 310 - Herbaceous 99 Harvest Clearcut 310 -Previous No Openland Herbaceous Inventory Openland Prescription Cut all trees greater than 2" at DBH. No retention due to size and invasives. Require equipment cleaning when leaving this unit. Specs: Next Step Treatments: Acceptable Native grasses, forbs and trees Regen: **Other** Treat with adjacent harvest and mastication for spraying. Coordinate between TMS and Biologist for spraying and forb planting timing. Comment: Site Condition: Proposed Start Date: 10/01/2026 4.9 310 - Herbaceous Site Prep-Mech. 310 -63131089-Site Prep Previous 89 99 No Openland Herbaceous Inventory Prep Openland Prescription Clean equipment when leaving this unit. Specs: Next Step **Treatments:** Acceptable Native grasses, forbs and trees Regen: Time treatment with adjacent harvests for spraying and planting. Coordinate between TMS and Biologist for spraying and forb planting Other Comment: timing. Site Condition: Proposed Start Date: 10/01/2027 63131090-3.4 310 - Herbaceous 99 Harvest Clearcut 310 -Previous No Herbaceous Inventory Openland CutWL Openland Prescription Cut all trees greater than 2" at DBH. No retention due to size and invasives. Require equipment cleaning when leaving this unit. Specs: Next Step

Treatments:

Acceptable Native grasses, forbs and trees

Regen:

Other Treat with adjacent harvest and mastication for spraying. Coordinate between TMS and Biologist for spraying and forb planting timing.

Comment:

Site Condition:

S

Report 3 -- Treatments

Compartment: 131

Year of Entry: 2027

a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
90	63131090-Cut	16.3	4130 - Aspen	3	15	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No

Specs:

Prescription Harvest all trees down to a 2" spec. No retention due to conversion to red pine. Require equipment cleaning when leaving this unit. Layout boundary to what is reasonable for a commercial harvest. Treatment shape and size will reflect actual ground conditions and may vary

from proposed treatment.

Next Step Treatments:

Acceptable red pine

Regen:

Treat with adjacent harvest and mastication for spraying. Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

90 63131090-4130 - Aspen 3 4211 - Planted Planting 45.6 15 1-50 Site Prep-Mech. Site Prep Nο Prep Red Pine Record

Prescription Site prep stand for red pine planting. Clean equipment when leaving this unit. Treatment shape and size will reflect actual ground

conditions and may vary from proposed treatment. Specs:

Next Step **Treatments:**

Acceptable red pine

Regen:

Time treatment with adjacent harvests for spraying and planting. Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

1-50 310 -63131092-Cut 11.0 4133 - Aspen, 8 65 Harvest Clearcut Previous No Mixed Pine Herbaceous Inventory Openland

Prescription Cut all trees greater than 2" at DBH. No retention due to invasives. Require equipment cleaning when leaving this unit.

Specs:

Next Step **Treatments:**

Acceptable Native grasses, forbs and trees

Regen:

Improperly classified as long term retention last entry. Both stands are infested with Autumn Olive in the understory. Treat with adjacent <u>Other</u>

harvest and mastication for spraying. Coordinate between TMS and Biologist for spraying and forb planting timing. Comment:

Site Condition:

Proposed Start Date: 10/01/2026

63131099-Cut 38.2 4133 - Aspen, 65 1-50 Harvest Clearcut 4211 - Planted **Planting** No Mixed Pine Red Pine Record

Prescription Cut all trees greater than 2" at DBH. No retention due to conversion to red pine. Require equipment cleaning when leaving this unit. Layout Specs:

boundary to what is reasonable for a commercial harvest. Treatment shape and size will reflect actual ground conditions and may vary

from proposed treatment.

Next Step **Treatments:**

Acceptable red pine

Regen:

Other Improperly classified as long term retention last entry. Both stands are infested with Autumn Olive in the understory. Conversion to red pine

with herbicide application should slow spread locally. Treat with adjacent harvest and mastication for spraying. Comment:

Site Condition:

Cadillac Mgt. Unit Report 3 -- Treatments

Compartment: 131

S t			-		•				Year of Entr	y: 2027	DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
100	63131100- Prep	16.3	42110 - Planted Red Pine	6	72	171- 200	Site Prep-Mech.	Site Prep	4211 - Planted Red Pine	Planting Record	No
Spec Next			ine. Do not operate Treatment shape an								
Acce Rege	<u>ptable</u> red pir <u>n:</u>	ie									
Other Comr		reatment v	vith adjacent harvest	ts for spray	ing and	planting					
Site 0	Condition: No	n-Military L	.ease/Easement								
Propo	osed Start Date	<u>e:</u> 10/01/2	027								
38	63131038-Cut	24.1	42110 - Planted Red Pine	9	69	141- 170	Harvest	Shelterwood	4191 - Mixed Upland Deciduous with Conifer	Cutting Record	No
Preso Spec		rwood to 3	0 BA. Retain all hard	dwoods gr	eater tha	an 8" DB	H, all white pine ar	nd leave tree mai	k red pine to mee	t BA.	
Next Treat	<u>Step</u> Monito <u>ments:</u>	ring, Natu	ral Regen (Re-Inven	tory)							
Acce Rege		oak, aspe	en, pine, cherry, fir, b	eech							
Other Comr		origin" red p tion spec.	oine along forest roa	d to leave	tree ma	rkWood t	urtle spec (660ft, c	onsult WL bio). (Dak wilt hard restri	ction. Trail	
Site C	Condition:										
Propo	osed Start Date	<u>e:</u> 10/01/2	026								

Total Treatment 601.9 Acreage Proposed:

Cadillac Mgt. Unit Joel Taylor: Examiner

Compartment: 131
Year of Entry: 2027



Availability for Management

Total	Acres	Acres Avail	Acres	Γ	omina	nt Site	e Con	dition	s					
Acres	Available	With Condition	Not Available		21	5C	2F	2G	2H	ЗА	3E	3G	3J	5E
716	584	69	63	Aspen		69	35		2	7		9	6	4
28	28	0	0	Herbaceous Openland										
25	10	15	0	Jack Pine	15									
80	76	0	4	Low-Density Trees								4		
7	4	0	3	Lowland Aspen/Balsam Poplar				3						
35	0	0	35	Lowland Conifers			8	26				1		
28	8	0	20	Lowland Deciduous								16	3	
40	3	0	37	Lowland Mixed Forest				26				11		
197	82	41	74	Mixed Upland Deciduous		41	42					31	1	
13	0	0	13	Natural Mixed Pines								5	8	
92	31	0	61	Northern Hardwood					5			32	24	
12	10	0	2	Oak			2							
442	210	216	16	Red Pine	16	201					16			
2	0	0	3	Sand, Soil								3		
6	0	0	6	Upland Conifers									6	
56	19	25	13	Upland Mixed Forest		25						13		
41	41	0	0	Upland Shrub										
7	7	0	0	Upland Spruce/Fir										
6	6	0	0	Urban										
110	110	0	0	Water										
119	102	4	13	White Pine	4		4					10		
2,063	1,330	370	362	Total Forested Acres	34	336	91	55	7	7	16	133	49	4
	64%	18%	18%	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 Dominant Site No. Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1 Unavailable	2F: Too steep	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stands occur on the	e Manistee River bluff					

Cadillac Mgt. Unit Joel Taylor: Examiner



2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Cedar spruce swar	np area					
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Delay treatment un	til a future date due to adjacent	red pir	ne harvest			
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Hold until 2037 or 2	2047 YOE					
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	10	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments: Steep areas along	the Anderson Creek					
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
	Comments: Small stand across	Anderson Creek					
7	Unavailable	3A: Conservation values incompatible with harvest at this time	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Access is possible disturbance occur.	but difficult. It would require a w	inter h	arvest with mats through the	e lowland stand to the Wes	t. A good stand to let natu	ral succession and

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8	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments: steep areas adjace	ent to Anderson Creek					
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: hold for age class of	diversity.					
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
12	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

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14	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
15	Unavailable	3E: Easement/lease, non- military (e.g. Consumers Power red pine, etc.)	16	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
(Consumers Pine						
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand is a cedar sta	and with a drainage flowing thro	ugh the	stand.			
17	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: etention/visual buf	fer for adjacent stand.					
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	69	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Allow the understor	y to develop.					
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

Cadillac Mgt. Unit Joel Taylor: Examiner



20	Unavailable	3G: Other influence zones - See comments	133	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
21	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	32	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments:						
22	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
	Comments: Hard to access har	dwood stand along the river.					
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
24	Unavailable	2F: Too steep	46	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Cadillac Mgt. Unit Joel Taylor: Examiner



26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
28	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Sleep slope that cr	osses onto private before meeti	ng Ander	son Creek.			
29	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand is wet to the	north and west					
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	129	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
31	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Steep slopes along	g Anderson creek. A few seeps l	ocated th	roughout.			

Cadillac Mgt. Unit

Compartment: 131 Year of Entry: 2027 Joel Taylor: Examiner



21: Survey needed 16 Unspecified Unspecified Unspecified Unspecified
21: Survey needed 16 Unspecified Unspecified Unspecified Unspecified Unspecified
21: Survey needed 16 Unspecified Unspecified Unspecified Unspecified Unspecified

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				

7 - Stands Compartment: 131 Year of Entry: 2027

DNR

tand			el 4 Cover Type Size Density		sity Acres Stand Age BA Range			Managed S	Site	General Comments	
1	42200 - Natu	ural White F	Pine	Poletimb	er Poor	2.2	35	1-50	N/A	A	Small area with pole and log trees. White pine and a few hardwood
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	beginning to seed into the stand.
	Sugar Maple	5		18			Beech	Low	< 5 feet	< 5 feet	
	White Oak	5	Seedling	9		W	nite Pine	Low	Variable	Variable	
	Basswood	5		14		Bla	ck Cherry	Low	Variable	Variable	
Black	k/Red (Hybrid) Oak	10		10							
	White Pine	25		14	65						
	White Pine	50	Seedling	9	35						
2	42110 - Plar	nted Red P	ine	Sawtimb	er Well	97.3	68	111-140	N/A	A	Thinned in 1998 as part of 705 Red Pine (62-078-97)Thinned in the summer of 2014 (Down the Path Pine, 63-020-11). Growing we
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	with desirable hardwood understory regen. Trace black cherry and
	Sugar Maple	1		20		W	hite Ash	Low	>20 feet	>20 feet	oak in canopy. There are multiple decline pockets present and
	American Elm	1	Seedling	8		Ir	onwood	Low	10 - 20 feet	10 - 20 feet	evidence of more forming. Some areas responded well with last
Black	k/Red (Hybrid) Oak	1		16		W	hite Oak	High	Variable	Variable	thinning but most seemed to have little change in crown growth
	Red Pine	97		12	68	Blackbe	rry/Raspberry	Low	5 - 10 feet	5 - 10 feet	
						W	nite Pine	Trace	< 5 feet	< 5 feet	
						Hawt	horn (spp.)	Trace	5 - 10 feet	5 - 10 feet	
						Suç	gar Maple	Medium	>20 feet	>20 feet	
						Re	ed Maple	Low	10 - 20 feet	10 - 20 feet	
							Beech	Medium	10 - 20 feet	10 - 20 feet	
						R	ed Oak	Trace	10 - 20 feet	10 - 20 feet	
						Bla	ck Locust	Trace	< 5 feet	< 5 feet	
3	4133 - Aspe	en, Mixed P	ine	Sapling	y Well	56.4	22	51-80	N/A	A	Variable stand of mixed aspen, pine. Old red pine strips appear to plantation origin. Pockets of scattered large white pine and oak.
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Regeneration is better in the north than in the south.
(Quaking Aspen	10	Pole	4	22	Re	ed Maple	Medium	Variable	Variable	
	Red Oak	5		18		W	nite Pine	High	Variable	Variable	
	Red Pine	5		12		W	hite Oak	Low	Variable	Variable	
	Red Maple	5	Pole	4		R	ed Oak	Low	Variable	Variable	
E	Bigtooth Aspen	55	Sapling	5	22	Ir	onwood	Low	Variable	Variable	
	White Pine	5		14		Auti	umn Olive	Trace	5 - 10 feet	5 - 10 feet	
	White Pine	15	Log	4		Wit	ch Hazel	Low	5 - 10 feet	5 - 10 feet	
4	42110 - Plar	nted Red P	ine	Poletimb	er Well	47.4	38	141-170	N/A	Α	Planted red pine adjacent to private to the west. Stand is closing in
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and growing well. Avg 25' height.

Trace

5 - 10 feet

5 - 10 feet

Red Pine

Black Cherry

99

1

Seedling

Sapling

38

8

Autumn Olive

Cadillac Mgt. Unit

Report 7 - Stands



Stan	Level 4 Cover Type Size Density Acres Stand Age BA		A Range	Managed Si	ite	General Comments				
5	4130	- Aspen		Sapling Well	10.9	35	51-80	N/A		Small unmapped pocket of cedar in the SW of stand. Trace amounts
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Can	opy Species	Density	Avg. Height	Size	of white and red oak. The ground becomes hummocky in the southern portion
	Quaking Aspen	79		8 35	Black	k Cherry	Trace	Variable	Variable	
	Red Oak	1		12	Iro	nwood	Trace	< 5 feet	< 5 feet	
	Black Cherry	5	Sapling	6	В	eech	Low	Variable	Variable	
	Sugar Maple	5	Sapling	6	Suga	ar Maple	Medium	Variable	Variable	
	Red Maple	10		6	Red	l Maple	Low	Variable	Variable	
6	4130	- Aspen		Poletimber Well	18.0	37	81-110	N/A		Young aspen that is growing well. Oak is concentrated in the northern
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Can	opy Species	Density	Avg. Height	Size	portion. Cut as part of North 23 Road (62-059-87)
	Quaking Aspen	10	Seedling	7	Red	l Maple	Low	Variable	Variable	
	Red Oak	5	Pole	3	Autui	mn Olive	Trace	5 - 10 feet	5 - 10 feet	
	Red Maple	10	Pole	4	Whi	ite Pine	Trace	Variable	Variable	
	Bigtooth Aspen	75	Seedling	7 37	Black	k Cherry	Medium	Variable	Variable	
7	42100 - Plar			Poletimber Well	4.0	60	141-170	N/A		Previous inventory cites this as an experimental plantation done by MSU in 1965. Attempted to improve vertical growth by maintain high
	Canopy Species		Size Class							BA.
	White Pine	100		12 60						
8	42120 - Pla	nted Jack F	Pine	Poletimber Well	14.8	57	51-80	N/A		Jack pine stand that is falling apart. Mixed with cherry, white pine and red maple. Previous inventory indicated an experimental planting
	Canopy Species	% Cover	Size Class	DBH Age						done by MSU in1968.
	Red Maple	5	Seedling	7						,
	White Pine	5	Sapling	5						
	Jack Pine	85	Sapling	7 57						
	Black Cherry	5	Sapling	6						
9	320 - Up	land Shrub)	Unspecifed	25.5			No		Stand of upland brush with scattered trees throughout.
					Sub-Can	opy Species	Density	Avg. Height	Size	
					Red	d Maple	Low	>20 feet	>20 feet	
					Whi	ite Pine	Low	Variable	Variable	
					Jac	k Pine	Low	Variable	Variable	
					Black	k Cherry	Low	Variable	Variable	
					Quaki	ng Aspen	Low	>20 feet	>20 feet	
					Autui	mn Olive	Low	5 - 10 feet	5 - 10 feet	
10	4199 - Other Mixe	ed Upland D	Deciduous	Sapling Poor	5.3	55	1-50	N/A		Serves as a different cover surrounded by pine types. A few scattere
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Can	opy Species	Density	Avg. Height	Size	maples throughout. Appears to be having a Dutch elm disease outbreak. Poor regen outside of exotic species
	Rock Elm	55		9 55	Autui	mn Olive	Low	5 - 10 feet	5 - 10 feet	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	Red Maple	5	Sapling	6	Re	d Pine	Trace	Variable	Variable	
	Black Cherry	40	Seedling	8 55	Black	k Cherry	Low	< 5 feet	< 5 feet	
11	310 - Herbac	eous Oper	ıland	Unspecifed	1.8		·	No		Grass opening. It appears this stand was used as a landing during adjacent harvest.



Stan	d Level 4 C	over Type		Size De	nsity	Acres Stand Age	BA Range	Managed S	Site	General Comments
12	4130	- Aspen		Sapling	Well	13.7 37	1-50	N/A	A	No apron access on 4rd. The stand transitions to a wet area toward the south along Anderson creek. Average guaking aspen quality.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	es Density	Avg. Height	Size	The south along Anderson creek. Average quaking aspen quality.
	Red Maple	5	Sapling	6		White Pine	Trace	< 5 feet	< 5 feet	Cut as part of Anderson Creek II sale (62-058-87)
	Quaking Aspen	80	Sapling	6	37	Balsam Fir	Medium	Variable	Variable	
	Hemlock	3		14						
	White Pine	2		20						
	Black Cherry	5	Seedling	8						
	Balsam Fir	5	Pole	4						
13	4130	- Aspen		Sapling	Well	13.5 15	1-50	N/A	4	Stand was cut as part of Richards Pine/Aspen (63-002-07). All aspen,
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	es Density	Avg. Height	Size	red maple, and ironwood was spec cut.
	Sugar Maple	10		14		Beech	Trace	Variable	Variable	
	Sugar Maple	5	Log	3		Ironwood	Low	Variable	Variable	
	Bigtooth Aspen	85	Log	3	15		,			-
14	4136 - Asper	n, Mixed Co	nifer	Poletimb	er Well	7.0 49	51-80	N/A	4	Wet hummocky stand with pockets of windthrow. Upland relative to
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	es Density	Avg. Height	Size	stand 27 but may have a clay lens below keeping it saturated.
	Red Maple	10	Seedling	6		Red Maple	Low	10 - 20 feet	10 - 20 feet	
	White Pine	10		14		White Ash	Low	< 5 feet	< 5 feet	
	Balsam Fir	15	Sapling	5		Balsam Fir	Low	Variable	Variable	
	Yellow Birch	5	Sapling	6		Elm (Spp.)	Low	>20 feet	>20 feet	
	Quaking Aspen	60	Seedling	7	49					_
15	42110 - Pla	nted Red P	ine	Sawtimb	er Well	15.5 69	171-200	N/A	4	Strips are of varying density, higher in the westernmost two and
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	es Density	Avg. Height	Size	generally higher the further north.Stand was thinned in 2009 (Richards Pine/Aspen, 63-002-07).
	Sugar Maple	2		20		Red Pine	Low	Variable	Variable	(110110101011)
	Red Pine	98		12	69	Beech	Low	Variable	Variable	
						Sugar Maple	Low	Variable	Variable	
						Bigtooth Aspen	Low	Variable	Variable	
16	4110 - Sugar N	Maple Assoc	ciation	Sawtimb	er Well	1.3 84	81-110	N/A	4	Small pocket of hardwood at edge of red pine strips. Good seed
	Canopy Species	% Cover	Size Class		Age	Sub-Canopy Specie	es Density	Avg. Height	Size	source for adjacent strips
	Beech	5		16		Sugar Maple	Low	Variable	Variable	
	Basswood	5		14		Ironwood	Low	Variable	Variable	
	Sugar Maple	5		20		White Pine	Trace	10 - 20 feet	10 - 20 feet	
	Sugar Maple	70		14	84	Beech	Low	Variable	Variable	
	Red Maple	15								

Report 7 - Stands



Compartment: 131

Year of Entry: 2027

Stand **Level 4 Cover Type** Size Density Acres Stand Age BA Range **Managed Site General Comments** 42121 - Planted Jack Pine, Mixed 9.9 20 1-50 N/A Poletimber Well Stand was planted in some areas to red pine last entry. Mix of red 17 Deciduous pine, aspen, and red maple, with scattered beech and jack pine. DBH Age **Canopy Species** % Cover Size Class **Sub-Canopy Species** Density Avg. Height Size Trace amount of oak in the overstory 5 - 10 feet Jack Pine 75 Sapling 5 20 Beech Low 5 - 10 feet Red Pine 2 4 Pole Jack Pine Low < 5 feet < 5 feet Red Maple 10 Sapling 5 Red Maple Low 5 - 10 feet 5 - 10 feet 13 6 Bigtooth Aspen Sapling Bigtooth Aspen Medium 5 - 10 feet 5 - 10 feet 310 - Herbaceous Openland Unspecifed 3.8 No Mostly open land/grass that extends into the red pine plantation to the 18 west. Scattered trees. Size **Sub-Canopy Species** Density Ava. Heiaht Autumn Olive 5 - 10 feet 5 - 10 feet Low Red Pine Low >20 feet >20 feet **Black Cherry** Low >20 feet >20 feet Scotch Pine >20 feet >20 feet Low 4130 - Aspen 5.5 67 51-80 N/A 19 Sapling Well Older aspen stand that is increasing in senescence. Size Class **DBH Age** Size **Canopy Species** % Cover **Sub-Canopy Species** Density Avg. Height 8 5 - 10 feet 5 - 10 feet American Elm 5 Red Maple Low White Pine 5 8 White Ash Low Variable Variable 5 8 White Pine Variable Black Cherry Seedling Trace Variable Red Pine 10 10 Black Cherry Variable Variable Low Red Oak 10 10 5 - 10 feet 5 - 10 feet Hawthorn (spp.) Trace 65 12 67 Ironwood Medium Variable Variable Quaking Aspen Autumn Olive Medium 5 - 10 feet 5 - 10 feet 6112 - Lowland Aspen Sapling Poor 4.1 35 1-50 N/A Stand contains Anderson Creek. Wet, lowland mix with sensitive soils 20 % Cover Size Class **Canopy Species DBH Age Sub-Canopy Species** Density Ava. Height Size Red Maple 25 Sapling Cattail spp. High Not Applicable Not Applicable 45 3 Quaking Aspen Pole 35 Northern White Cedar 10 8 Seedling 3 Balsam Fir 20 Log 50 21 6118 - Lowland Deciduous with Cedar Poletimber Well 2.3 51-80 N/A Lowland conifers with mixed aspen/hardwood. Aspen has a pole and log class. % Cover Size Class **Sub-Canopy Species** Size **Canopy Species DBH Age** Density Avg. Height Balsam Fir 5 Sapling 6 Quaking Aspen Low Variable Variable Northern White Cedar 20 12 73 Balsam Poplar Trace Variable Variable 45 9 50 Balsam Fir Variable Variable Quaking Aspen Seedling Low 25 17 80 Quaking Aspen

Red Maple

5

10



Stand	Level 4 C	over Type		Size De	ensity	Acres Stand Age	BA Range	Managed S	ite	General Comments
22	4110 - Sugar N	Maple Asso	ciation	Poletim	oer Well	4.9 45			Two aged sugar maple stand with good understory sapling	
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Canopy Specie	s Density	Avg. Height	Size	recruitment. Absent seedling layer
	Red Oak	5		15		Sugar Maple	Medium	>20 feet	>20 feet	
	Basswood	15		13		Ironwood	Medium	>20 feet	>20 feet	
	Black Cherry	5	Seedling	8		Beech	Low	Variable	Variable	
	Sugar Maple	20		16	77					-
	Sugar Maple	55	Seedling	9	45					
23	42100 - Plar	nted White F	Pine	Poletim	oer Well	19.5 60	141-170	N/A	١	White pine was thinned in 2012 (Daysworth Pine, 63-028-09).
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Canopy Specie	s Density	Avg. Height	Size	Abundant white pine and red maple regen in the understory with heavy deer browse on hardwood regen
	White Pine	95		10	60	Beech	Low	5 - 10 feet	5 - 10 feet	nouvy door promote on managed region
	Black Cherry	2		9		Ironwood	Trace	< 5 feet	< 5 feet	
	Red Maple	3		10		White Ash	Trace	< 5 feet	< 5 feet	
				•		Sugar Maple	Trace	< 5 feet	< 5 feet	
						Red Maple	High	< 5 feet	< 5 feet	
						White Pine	High	< 5 feet	< 5 feet	
24	4130	- Aspen		Saplin	g Well	6.7 34	51-80	N/A	١	Mixed stand of aspen maple and conifer. Western part of stand is
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Canopy Specie	s Density	Avg. Height	Size	more upland with lowland hummocky to the east where cedar and hemlock are present. Cut in 1991 as part of No. 19 Road #2 sale
	Red Maple	7	Sapling	6		Red Maple	Low	5 - 10 feet	5 - 10 feet	(62-055-87). All cedar, hemlock and oak was left.
	Quaking Aspen	75	Sapling	6	34	White Pine	Low	< 5 feet	< 5 feet	
	White Pine	3		20		Hawthorn (spp.)	Trace	5 - 10 feet	5 - 10 feet	
	Balsam Fir	10	Seedling	8						
	Tamarack	5	Seedling	8						
25	4117 - Mixed N	I. Hardwood	- Pine	Poletimb	er Poor	2.2 20	1-50	N/A	١	Somewhat open area with scattered aspen and white pine seedlings
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Canopy Specie	s Density	Avg. Height	Size	Ample sign of past human activity
	Red Maple	25	Sapling	7	20	Beech	Low	5 - 10 feet	5 - 10 feet	
	White Pine	25	Sapling	5		White Pine	Medium	5 - 10 feet	5 - 10 feet	
	Black Cherry	50		7	20	Balsam Fir	Trace	5 - 10 feet	5 - 10 feet	
						Quaking Aspen	Low	10 - 20 feet	10 - 20 feet	

Report 7 - Stands



Stan	Level 4 Cover Type		Size De	ensity	Acres Stand Age BA Range			Managed Si	te	General Comments	
26	6117 - Lowland Con	Deciduous, iferous	Mixed	Sawtimb	er Well	6.1 7	4 8	81-110	N/A		aspen occurs mostly along the edge of the stand.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy S	Species	Density	Avg. Height	Size	
	Red Maple	50		11	74	Balsam F	ir	Medium	Variable	Variable	
	Yellow Birch	5		9		Beech		Low	Variable	Variable	
	White Pine	5		14		Sugar Ma	ole	Trace	Variable	Variable	
	Black Cherry	10	Sapling	5							
No	orthern White Cedar	10		8							
	Hemlock	10		8							
	Balsam Fir	10		6	30						
27	6128 - Lowland Dec	Coniferous,	Mixed	Poletimb	er Well	14.9 12	24	51-80	N/A		Small creek flows through the stand
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy \$	Species	Density	Avg. Height	Size	
	Quaking Aspen	20	Seedling	7		Balsam F	ir	Low	Variable	Variable	
	Red Maple	20	Seedling	8		Northern White	e Cedar	Low	Variable	Variable	
	Balsam Fir	20		8							
No	orthern White Cedar	35		7	124						
140	Hemlock	5	Seedling	9							
28	Hemlock 4112 - Maple, Beec				er Well	4.0 5	7 8	81-110	N/A		Decent stand of mostly single stemmed trees. Ground transitions to
		ch, Cherry A		Poletimb	er Well	4.0 5 Sub-Canopy 9		81-110 Density	N/A Avg. Height	Size	Decent stand of mostly single stemmed trees. Ground transitions to wetter stand to the west, and some hummocks occur.
	4112 - Maple, Beec	ch, Cherry A	ssociation	Poletimb			Species			Size < 5 feet	
	4112 - Maple, Beec	ch, Cherry A	Association Size Class	Poletimb		Sub-Canopy S	Species	Density	Avg. Height		
	4112 - Maple, Beec Canopy Species Sugar Maple	ch, Cherry A Cover	Association Size Class	Poletimb DBH	I Age	Sub-Canopy S	Species	Density Low	Avg. Height < 5 feet	< 5 feet	
	4112 - Maple, Beec Canopy Species Sugar Maple Red Maple	% Cover 5 59	Association Size Class	Poletimb DBH 6 10	I Age	Sub-Canopy S Ironwood Hemlock	Species d c	Density Low Low	Avg. Height < 5 feet >20 feet	< 5 feet >20 feet	
28	4112 - Maple, Beec Canopy Species Sugar Maple Red Maple White Pine	ch, Cherry A **Cover* 5 59 1 35	Association Size Class Sapling	Poletimb DBH 6 10 25	57	Sub-Canopy S Ironwood Hemlock Sugar Ma	Species d c ple	Low Low Low	Avg. Height < 5 feet >20 feet Variable	< 5 feet >20 feet Variable	wetter stand to the west, and some hummocks occur. Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash w
28	4112 - Maple, Beec Canopy Species Sugar Maple Red Maple White Pine Black Cherry	% Cover 5 59 1 35 d Upland D	Association Size Class Sapling	Poletimb DBH 6 10 25 10 Sawtimb	57	Sub-Canopy S Ironwood Hemlock Sugar Ma Red Map	Species d c ble le	Low Low Low Low Low	Avg. Height < 5 feet >20 feet Variable Variable	< 5 feet >20 feet Variable	wetter stand to the west, and some hummocks occur. Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash was removed due to EAB infestation. All jack pine and aspen was spec
28	4112 - Maple, Beece Canopy Species Sugar Maple Red Maple White Pine Black Cherry	% Cover 5 59 1 35 d Upland D	Association Size Class Sapling eciduous	Poletimb DBH 6 10 25 10 Sawtimb	57 er Well	Sub-Canopy S Ironwood Hemlocl Sugar Ma Red Map	Species d c ple le 2 Species	Density Low Low Low Low S1-80	Avg. Height < 5 feet >20 feet Variable Variable N/A	< 5 feet >20 feet Variable Variable	wetter stand to the west, and some hummocks occur. Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash w
28	4112 - Maple, Beecc Canopy Species Sugar Maple Red Maple White Pine Black Cherry 4199 - Other Mixe Canopy Species	% Cover 5 59 1 35 d Upland D	Association Size Class Sapling eciduous	Poletimb DBH 6 10 25 10 Sawtimb	57 er Well	Sub-Canopy Super Manager Manag	Species d c ple le Species ple	Density Low Low Low Low S1-80 Density	Avg. Height < 5 feet >20 feet Variable Variable N/A Avg. Height	< 5 feet >20 feet Variable Variable Size	wetter stand to the west, and some hummocks occur. Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash was removed due to EAB infestation. All jack pine and aspen was spec
28	4112 - Maple, Beece Canopy Species Sugar Maple Red Maple White Pine Black Cherry 4199 - Other Mixe Canopy Species Basswood	% Cover 5 59 1 35 35 d Upland D % Cover 20	Association Size Class Sapling eciduous	Poletimb DBH 6 10 25 10 Sawtimb DBH 9	57 er Well	Sub-Canopy S Ironwood Hemlood Sugar Ma Red Map 14.4 7. Sub-Canopy S Sugar Ma	Species d c pole le 2 Species pole pornbeam	Density Low Low Low Low Density Low Low	Avg. Height < 5 feet >20 feet Variable Variable N/A Avg. Height >20 feet	< 5 feet >20 feet Variable Variable Size >20 feet	wetter stand to the west, and some hummocks occur. Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash was removed due to EAB infestation. All jack pine and aspen was spec
28	4112 - Maple, Beece Canopy Species Sugar Maple Red Maple White Pine Black Cherry 4199 - Other Mixe Canopy Species Basswood Red Oak	% Cover 5 59 1 35 dd Upland D % Cover 20 15	Association Size Class Sapling eciduous	Poletimb DBH 6 10 25 10 Sawtimb DBH 9 22	57 Seer Well	Sub-Canopy S Ironwood Hemlocl Sugar Ma Red Map 14.4 7 Sub-Canopy S Sugar Ma Musclewood/Ho	Species d c ble le 2 Species ple prnbeam	Density Low Low Low Low S1-80 Density Low Medium	Avg. Height < 5 feet >20 feet Variable Variable N/A Avg. Height >20 feet Variable	< 5 feet >20 feet Variable Variable Size >20 feet Variable	wetter stand to the west, and some hummocks occur. Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash was removed due to EAB infestation. All jack pine and aspen was spec
28	4112 - Maple, Beece Canopy Species Sugar Maple Red Maple White Pine Black Cherry 4199 - Other Mixe Canopy Species Basswood Red Oak Red Oak	% Cover 5 59 1 35 d Upland D % Cover 20 15 30	Association Size Class Sapling eciduous	Poletimb DBH 6 10 25 10 Sawtimb DBH 9 22 13	57 Seer Well	Sub-Canopy S Ironwood Hemloci Sugar Ma Red Map 14.4 7. Sub-Canopy S Sugar Ma Musclewood/Ho Red Oal	Species d c ble le 2 Species ble brinbeam c d	Density Low Low Low Low S1-80 Density Low Medium Low	Avg. Height < 5 feet >20 feet Variable Variable N/A Avg. Height >20 feet Variable >20 feet	< 5 feet >20 feet Variable Variable Size >20 feet Variable >20 feet Variable >20 feet	wetter stand to the west, and some hummocks occur. Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash was removed due to EAB infestation. All jack pine and aspen was spec
28	4112 - Maple, Beece Canopy Species Sugar Maple Red Maple White Pine Black Cherry 4199 - Other Mixe Canopy Species Basswood Red Oak Red Oak Sugar Maple	% Cover 5 59 1 35 d Upland D % Cover 20 15 30 20	Association Size Class Sapling eciduous Size Class	Poletimb DBH 6 10 25 10 Sawtimb DBH 9 22 13 14	57 Seer Well	Sub-Canopy S Ironwood Hemlocl Sugar Ma Red Map 14.4 7. Sub-Canopy S Sugar Ma Musclewood/Ho Red Oal Ironwood	Species d c ble le 2 Species ble brinbeam c d	Density Low Low Low S1-80 Density Low Medium Low High	Avg. Height < 5 feet >20 feet Variable Variable N/A Avg. Height >20 feet Variable >20 feet 5 - 10 feet	< 5 feet >20 feet Variable Variable Size >20 feet Variable 5 - 10 feet	wetter stand to the west, and some hummocks occur. Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash was removed due to EAB infestation. All jack pine and aspen was spec
	4112 - Maple, Beecc Canopy Species Sugar Maple Red Maple White Pine Black Cherry 4199 - Other Mixe Canopy Species Basswood Red Oak Red Oak Sugar Maple Red Maple Bigtooth Aspen	% Cover 5 59 1 35 d Upland D % Cover 20 15 30 20 5	Association Size Class Sapling eciduous Size Class	Poletimb DBH 6 10 25 10 Sawtimb DBH 9 22 13 14 8	57 ser Well 1 Age	Sub-Canopy S Ironwood Hemlocl Sugar Ma Red Map 14.4 7. Sub-Canopy S Sugar Ma Musclewood/Ho Red Oal Ironwood	Species d c ble le 2 Species ble brinbeam c d dive	Density Low Low Low S1-80 Density Low Medium Low High	Avg. Height < 5 feet >20 feet Variable Variable N/A Avg. Height >20 feet Variable >20 feet 5 - 10 feet	< 5 feet >20 feet Variable Variable Size >20 feet Variable 5 - 10 feet	Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash was removed due to EAB infestation. All jack pine and aspen was spec cut. transitional area between aspen stand and beaver flooding. Shows
29	4112 - Maple, Beecc Canopy Species Sugar Maple Red Maple White Pine Black Cherry 4199 - Other Mixe Canopy Species Basswood Red Oak Red Oak Sugar Maple Red Maple Bigtooth Aspen	% Cover 5 59 1 35 d Upland D % Cover 20 15 30 20 5 10	Association Size Class Sapling eciduous Size Class	Poletimb DBH 6 10 25 10 Sawtimb DBH 9 22 13 14 8 9 Sapling	57 ser Well 1 Age 72	Sub-Canopy S Ironwood Hemlocl Sugar Ma Red Map 14.4 7. Sub-Canopy S Sugar Ma Musclewood/Ho Red Oal Ironwood Autumn O	Species d c ble le 2 Species ble brinbeam c d dive	Density Low Low Low S1-80 Density Low Medium Low High Medium	Avg. Height < 5 feet >20 feet Variable Variable N/A Avg. Height >20 feet Variable >20 feet 5 - 10 feet 5 - 10 feet	< 5 feet >20 feet Variable Variable Size >20 feet Variable 5 - 10 feet	Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash was removed due to EAB infestation. All jack pine and aspen was spec cut.
29	4112 - Maple, Beece Canopy Species Sugar Maple Red Maple White Pine Black Cherry 4199 - Other Mixe Canopy Species Basswood Red Oak Red Oak Sugar Maple Red Maple Bigtooth Aspen	% Cover 5 59 1 35 d Upland D % Cover 20 15 30 20 5 10	Association Size Class Sapling Peciduous Size Class Seedling	Poletimb DBH 6 10 25 10 Sawtimb DBH 9 22 13 14 8 9 Sapling	ser Well 1 Age 72 9 Poor	Sub-Canopy S Ironwood Hemlocl Sugar Ma Red Map 14.4 7. Sub-Canopy S Sugar Ma Musclewood/Ho Red Oal Ironwood Autumn O	Species d c ble le 2 Species ble brinbeam c d dive	Density Low Low Low S1-80 Density Low Medium Low High Medium	Avg. Height < 5 feet >20 feet Variable Variable N/A Avg. Height >20 feet Variable >20 feet 5 - 10 feet 5 - 10 feet	< 5 feet >20 feet Variable Variable Size >20 feet Variable 5 - 10 feet	Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash we removed due to EAB infestation. All jack pine and aspen was spectrut.
29	4112 - Maple, Beece Canopy Species Sugar Maple Red Maple White Pine Black Cherry 4199 - Other Mixe Canopy Species Basswood Red Oak Red Oak Sugar Maple Red Maple Bigtooth Aspen 6112 - Loc Canopy Species	% Cover 5 59 1 35 d Upland D % Cover 20 15 30 20 5 10 wland Aspe	Association Size Class Sapling Peciduous Size Class Seedling	Poletimb DBH 6 10 25 10 Sawtimb DBH 9 22 13 14 8 9 Sapling DBH	ser Well 1 Age 72 9 Poor	Sub-Canopy S Ironwood Hemlocl Sugar Ma Red Map 14.4 7. Sub-Canopy S Sugar Ma Musclewood/Ho Red Oal Ironwood Autumn O	Species d c ble le 2 Species ble brinbeam c d dive	Density Low Low Low S1-80 Density Low Medium Low High Medium	Avg. Height < 5 feet >20 feet Variable Variable N/A Avg. Height >20 feet Variable >20 feet 5 - 10 feet 5 - 10 feet	< 5 feet >20 feet Variable Variable Size >20 feet Variable 5 - 10 feet	Stand was treated in 2012/2013 (23 HDWDS, 63-074-09). All ash we removed due to EAB infestation. All jack pine and aspen was spectrut.

Cadillac Mgt. Unit Report 7 – Stands



Stand	Level 4 Co	over Type		Size D	ensity	Acres	Acres Stand Age B 3.7 86 Sub-Canopy Species	A Range	Managed S	ite	General Comments
31	4116 - Mixed N. I	Hardwood -	Aspen	Sawtim	ber We	ell 3.7	86	81-110	N/A		Mixed hardwoods with aspen. Decent sapling class of maple coming
	Canopy Species	% Cover	Size Class	DE	H Age	Sub-C	anopy Species	Density	Avg. Height	Size	up in the understory
	Basswood	30		13	86	\	Vhite Oak	Trace	>20 feet	>20 feet	
	Quaking Aspen	25		13	3	S	ugar Maple	Medium	Variable	Variable	
	Black Cherry	25	Seedling	8		F	Red Maple	Low	Variable	Variable	
	Red Oak	5	Seedling	8			Ironwood	Medium	Variable	Variable	
	Sugar Maple	10		12	2						
	Red Maple	5		12	2						
32	4130 -	- Aspen		Sawtim	ber We	ell 4.1	77	81-110	N/A		Retention area for stand 81 to the south that was cut in 2018.
	Canopy Species	% Cover	Size Class	DE	H Age	Sub-C	anopy Species	Density	Avg. Height	Size	
	White Pine	5	Seedling	9		F	Red Maple	Low	Variable	Variable	
	Red Oak	5		14			Ironwood	High	Variable	Variable	
	Red Maple	25		12	2	V	Vhite Pine	Low	Variable	Variable	
	Bigtooth Aspen	65		12	2 77	ВІ	ack Cherry	Trace	Variable	Variable	
					,		Beech	Trace	Variable	Variable	
33	500 -	Water		Unsp	ecifed	2.7			No		Seasonal beaver flooding
34	4130 -	- Aspen		Saplii	ng Well	59.4	17	1-50	N/A	\ \	This stand was harvested in the summer of 2008 (19 Aspen Pieces,
	Canopy Species	% Cover	Size Class	DE	H Age	Sub-C	anopy Species	Density	Avg. Height	Size	63-019-07) and was a tree length operation and chipper. Oak and cherry were spec'd as residual leave trees. A few residual white pine
	Quaking Aspen	15	Log	4			Beech	Medium	Variable	Variable	were left. Growing well, this is one stand from a multi stand sale.
	Red Oak	3		18	3		Ironwood	Medium	Variable	Variable	Stand is adjacent to 19 rd.
	White Pine	2		12	2	ВІ	ack Cherry	Low	Variable	Variable	
	White Pine	7	Log	2	17	\	Vhite Oak	Trace	Variable	Variable	
	Red Maple	8	Log	2	17					l	_
	Bigtooth Aspen	65	Pole	4	17						
35	4130 -	- Aspen		Saplii	ng Well	27.1	18	1-50	N/A	1	Young aspen stand that was treated in 2008 (19 Aspen Pieces, 63-
	Canopy Species	% Cover	Size Class	DE	H Age	Sub-C	anopy Species	Density	Avg. Height	Size	013-01) with scattered residual over story bak left.
	Quaking Aspen	10	Pole	4	18	F	Red Maple	Medium	Variable	Variable	
	White Pine	5	Log	3	18		Beech	Low	Variable	Variable	
	Red Oak	5		16	6		Red Oak	Low	Variable	Variable	
	Red Maple	15	Log	3	18	V	Vhite Pine	Medium	Variable	Variable	
	Bigtooth Aspen	65	Pole								



Stand	Level 4 Co	over Type		Size De	ensity	Acres Stand Age	BA Range	Managed S	Site	General Comments		
36	42200 - Natu	ıral White F	Pine	Sawtimb	er Well	22.8 75	81-110	N/A	A	The stand was harvested in 2008 (19 Aspen Pieces, 63-019-07) with		
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Canopy Speci	ies Density	Avg. Height	Size	all maple and aspen being removed along with a portion of the white pine over story. A few spots of lowland in the northern portion of the		
	White Oak	1		10		White Pine	Low	Variable	Variable	stand. Good understory regen and development.		
	Red Pine	2		16		Ironwood	Low	Variable	Variable			
Blad	ck/Red (Hybrid) Oak	5		15		Beech	Low	Variable	Variable			
	White Pine	92		13	75	Red Maple	Medium	Variable	Variable			
						Bigtooth Aspen	Full	>20 feet	>20 feet			
37	4130	- Aspen		Saplin	g Well	13.2 27	1-50	N/A	A	The NCT runs though the stand. Cut in the North Country Aspen sale.		
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Canopy Speci	ies Density	Avg. Height	Size	- #093 1997		
	Red Oak	5		14		Ironwood	Trace	5 - 10 feet	5 - 10 feet			
	White Pine	5	Seedling	8		White Pine	Low	Variable	Variable			
	Red Maple	5	Log	3		White Oak	Low	Variable	Variable			
	Bigtooth Aspen	85	Pole	4	27	Beech	Trace	5 - 10 feet	5 - 10 feet			
38	42110 - Planted Red Pine Poletimber W		er Well	24.1 69	141-170	N/A	4	Red pine stand along a creek bluff. Minor amounts of aspen and bardwoods also process. There are decline peckets scattered in the				
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Canopy Speci	ies Density	Avg. Height	Size	hardwoods also present. There are decline pockets scattered in stand with heavy deer browse. Overall the red pine has not resp		
	Red Maple	3		8		Red Maple	Medium	Variable	Variable	stand with heavy deer browse. Overall the red pine has not respond to the last thinning. Thinned in Nottingham Red Pine (62-092-97)		
	Red Pine	95		11	69	White Oak	Low	Variable	Variable	in 1998. Thinned as part of Downhill Pine (63-014-07) in 2009.		
Blad	ck/Red (Hybrid) Oak	1		12		Ironwood	Low	Variable	Variable	Second thinning.		
	White Pine	1		17		Autumn Olive	Low	5 - 10 feet	5 - 10 feet			
						Beech	Low	Variable	Variable			
						Red Oak	Medium	Variable	Variable			
39	710 - S	and, Soil		Unspe	ecifed	3.0		No	1	Popular camping site along the river. Two track runs along bluff. A		
						Sub-Canopy Speci	ies Density	Avg. Height	Size	donut" spot for utv's is present and adding erosion down the bluff.		
						Red Maple	Low	>20 feet	>20 feet			
						White Oak	Low	>20 feet	>20 feet			
						Red Pine	Low	>20 feet	>20 feet			
						White Pine	Low	>20 feet	>20 feet			
40	4131 - A	spen, Oak		Sapling	g Poor	69.4 4	Immature	N/A	\	Stand was final harvested in winter 2021/22 with oak under 6 inches		
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Canopy Speci	ies Density	Avg. Height	Size	left along with white pine saplings as well. Will be mixed oak/aspen/maple/white pine. (Wexford County Classic, 63-028-17).		
	White Pine	15	Sapling	5		White Pine	Low	Variable	Variable	Caracopolis maples will be pine. (Worker County Classic, 00 020 17).		
	Red Oak	30	Sapling	6		Red Oak	Medium	Variable	Variable	Heavy deer browse on new tree stems. Great sprouts from harvested		
	Red Maple	10	Pole	4		Red Maple	High	Variable	Variable	maple and oak. Better regen in western half than the eastern half.		
					1 1 1							



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
41	4199 - Other Mixe	d Upland D	eciduous	Sawtimb	er Well	82.1	60	81-110	N/A	A	Stand of oak that occurs along the bluff to the Manistee River. Area at
	Canopy Species	% Cover	Size Class	DBH	Age						foot of slope is a variable mix of species. The slope is mostly oak and aspen. Area on top of the bluff tends towards mature oak with maple
	Red Pine	5		12							and aspen mixed.
	White Pine	5		14							
	White Oak	15		12							
	Red Oak	40		12	60						
	Sugar Maple	5		18							
	Red Maple	10		10							
	Bigtooth Aspen	20		9							
42	4131 - A	spen, Oak		Poletimb	er Well	13.8	45	81-110	N/A	4	Stand occurs on a steep bluff and ridgetop.
	Canopy Species	% Cover	Size Class	DBH	Age						
	White Pine	5		8							
	Bigtooth Aspen	60		7	45						
	Red Pine	5		10							
	Red Oak	25		16							
	White Oak	5		9							
43	6118 - Lowland D	eciduous w	ith Cedar	Sapling	Well	30.2	76	81-110	N/A	A	A variable mixed stand with pockets of quality and large diameter
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	trees. Seasonally wet throughout, ash and elm have fallen out of the stand but remain as snags. Appears to have a higher incidence of
	White Oak	5	Seedling	6		Musclew	ood/Hornbea	m Trace	Variable	Variable	nectria canker than most stand. A few scattered yellow birch near the
	Quaking Aspen	15		12		Ir	onwood	Medium	Variable	Variable	river.
	Basswood	10	Seedling	9		Hawt	horn (spp.)	Medium	5 - 10 feet	5 - 10 feet	
	Basswood	5		17		As	sh (spp.)	Low	Variable	Variable	
No	orthern White Cedar	10		12		Bla	ck Locust	Low	Variable	Variable	
No	orthern White Cedar	10	Seedling	7				'			-
	Hemlock	5		14							
	Sugar Maple	5		10							
	Sugar Maple	10		18							
	Red Maple	5		18							
	Bigtooth Aspen	20		15	76						



48 132 - Mixed Lovered Forest with Coding Poletimber Medium 25.8 128 51-80 N/A Coding An behavior from the magolic Congrego Species White Prine 8 128 Sub-Cannoy Species Low Not Applicable Not	Stand	Level 4 C	over Type	•	Size Density	Acres Stand	d Age BAR	lange	Managed S	Site	General Comments
Canopy Species Cover Size Class DBH Age Sub-Canopy Species Cover	44										
Northern White Cedar				Size Class			•				5 1
Hemlock			-			<u> </u>					
Basswood 5	No	rthern White Cedar	40			Northern White	e Cedar	Low			
Again Country Countr				Seedling				Medium	5 - 10 feet	5 - 10 feet	
Quaking Aspen 2								Trace			
Sugar Maple 2 13		Yellow Birch	8		13	Red Map	le	Low			
Red Maple 25					14			Low	Variable		
Musclewood/Hornbeam Low Variable Variable Variable		Sugar Maple	2		13	White As	sh	Trace	Variable	Variable	
A		Red Maple	25		13	Black As	sh	Low	Variable	Variable	
Canopy Species W Cover Size Class DBH Age						Musclewood/Ho	ornbeam	Low	Variable	Variable	
Cuaking Aspen	45	4130	- Aspen	Р	oletimber Well	16.3 6	2 81-	-110	N/A	4	Relatively flat stand with multiple height levels present under canopy.
Red Pine 1		Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy	Species D	Density	Avg. Height	Size	
White Pine 5		Quaking Aspen	4	Seedling	9	Red Map	le	Low	Variable	Variable	
Red Oak		Red Pine	1		14	Serviceberry (Ju	uneberry)	Trace	10 - 20 feet	10 - 20 feet	
Red Maple 15 10 62 Red Oak Low Variable Variable Bigtooth Aspen 60 10 62 Red Oak Low Variable Variable		White Pine	5		11	White Pir	ne I	Medium	Variable	Variable	
Bigtooth Aspen 60		Red Oak	15		15	White Oa	ak	Trace	Variable	Variable	
46 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 11.5 124 111-140 N/A Deciduous Sub-Canopy Species Density Avg. Height Size Yellow Birch 5 10 Northern White Cedar Low >20 feet >20 feet Northern White Cedar 40 9 124 Hemlock 10 12 White Pine 25 166 11 12 Hemlock 10 12 Northern White Cedar Low >20 feet Northern White Cedar Northern White Pine Northern White Pi		Red Maple	15		10	Beech		Low	Variable	Variable	
Canopy Species		Bigtooth Aspen	60		10 62	Red Oa	k	Low	Variable	Variable	
Canopy Species	46			, Mixed S	awtimber Well	11.5 12	24 111	-140	N/A	A	the stand in the Southeast. Windthrow mounds throughout. Trace
Yellow Birch 5 10 Northern White Cedar Low >20 feet >20 feet Basswood 5 10 10 Hemlock Low >20 feet >20 feet White Pine 25 16 112 Northern White Cedar 40 9 124 Hemlock 10 12 This stand was left following the adjacent timber sale. Abandoned wood ground blind in northeastern corner. Sugar maple understory developing in western half. Canopy Species % Cover Size Class DBH Age Beech 5 11 Basswood 5 12 Quaking Aspen 27 14 84 American Elm 5 12 White Pine 3 13 Black Cherry 5 13 Sugar Maple 10 7 Red Maple 10 7 Red Maple 15 8 Northern White Cedar Low Low >20 feet >20 feet N/A This stand was left following the adjacent timber sale. Abandoned wood ground blind in northeastern corner. Sugar maple understory developing in western half.		Canopy Species		Size Class				Density		Size	amounts red pine, oak on edges
Basswood 5		Red Maple	15		12	Yellow Bir	rch	Low	>20 feet	>20 feet	
White Pine 25		Yellow Birch	5		10	Northern White	e Cedar	Low	>20 feet	>20 feet	
Northern White Cedar 40 9 124 Hemlock 10 12 47 4139 - Aspen, Mixed Deciduous Sawtimber Well 3.8 84 81-110 N/A Canopy Species % Cover Size Class DBH Age Beech 5 11 Susyaman		Basswood	5		10	Hemloc	k	Low	>20 feet	>20 feet	
Hemlock 10 12 47 4139 - Aspen, Mixed Deciduous Sawtimber Well 3.8 84 81-110 N/A Canopy Species % Cover Size Class DBH Age Beech 5 11 Ironwood Low Variable Variable Basswood 5 12 Beech Medium Variable Variable Quaking Aspen 27 14 84 Sugar Maple Medium Variable Variable White Pine 3 13 13 Sugar Maple 10 7 Red Maple 15 8		White Pine	25		16 112						
4139 - Aspen, Mixed Deciduous Sawtimber Well 3.8 84 81-110 N/A Canopy Species % Cover Size Class DBH Age Beech 5 11 Ironwood Low Variable Variable Quaking Aspen 27 14 84 Sugar Maple White Pine 3 13 Sugar Maple 10 7 Red Maple 15 8	No	rthern White Cedar	40		9 124						
Canopy Species% Cover Size ClassDBH AgeSub-Canopy SpeciesDensityAvg. HeightSizeBeech511IronwoodLowVariableVariableBasswood512BeechMediumVariableVariableQuaking Aspen271484Sugar MapleMediumVariableVariableAmerican Elm512Red MapleLowVariableVariableWhite Pine313Bigtooth AspenLowVariableVariableBlack Cherry513Sugar Maple107Red Maple158		Hemlock	10		12						
Canopy Species % Cover Size Class DBH Age Beech 5 11	47	4139 - Aspen,	Mixed Deci	duous S	awtimber Well	3.8 8	4 81-	-110	N/A	A	
Beech 5 11 Ironwood Low Variable Variable Basswood 5 12 Beech Medium Variable Variable Quaking Aspen 27 14 84 Sugar Maple Medium Variable Variable American Elm 5 12 Red Maple Low Variable White Pine 3 13 Black Cherry 5 13 Sugar Maple 10 7 Red Maple 15 8		Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy	Species D	Density	Avg. Height	Size	
Quaking Aspen271484Sugar MapleMediumVariableVariableAmerican Elm512Red MapleLowVariableVariableWhite Pine313Bigtooth AspenLowVariableBlack Cherry513Sugar Maple107Red Maple158		Beech	5		11	Ironwoo	d	Low	Variable	Variable	
American Elm 5 12 Red Maple Low Variable Variable White Pine 3 13 Black Cherry 5 13 Sugar Maple 10 7 Red Maple 15 8		Basswood	5		12	Beech	ı	Medium	Variable	Variable	
American Elm 5 12 Red Maple Low Variable Variable White Pine 3 13 Bigtooth Aspen Low Variable Variable Black Cherry 5 13 Sugar Maple 10 7 Red Maple 15 8		Quaking Aspen	27		14 84	Sugar Ma	ple !	Medium	Variable	Variable	
Black Cherry 5 13 Sugar Maple 10 7 Red Maple 15 8		American Elm	5		12			Low	Variable	Variable	
Sugar Maple 10 7 Red Maple 15 8		White Pine	3		13	Bigtooth As	spen	Low	Variable	Variable	
Red Maple 15 8		Black Cherry	5		13			-			
Red Maple 15 8		Sugar Maple	10		7						
Bigtooth Aspen 25 14			15		8						
		Bigtooth Aspen	25		14						



Stand	Level 4 Co	ver Type		Size De	ensity	Acres Stand Age B	A Range	Managed S	ite	General Comments
48	4130 -	Aspen	F	Poletimb	er Well	12.0 67	111-140	N/A		There are areas of seasonally wet conditions. A steep area with a recek seperates the two portions of the stand. The southern portion is
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	surrounded by adjacent lowland complex. The northern portion
	Basswood	10		14		White Pine	Low	Variable	Variable	contains steep slopes with flowing creek drainages and has generally
	Quaking Aspen	50		10	67	Quaking Aspen	Medium	>20 feet	>20 feet	hummocky ground. There are two small areas of blowdown, ~15 years
	White Pine	2		12		Ironwood	Low	Variable	Variable	ago, with good aspen regen.
	White Pine	2		32		Sugar Maple	Low	Variable	Variable	
	Red Oak	2		14		Red Maple	Medium	Variable	Variable	
	Red Pine	1		22		Beech	Trace	< 5 feet	< 5 feet	
	Sugar Maple	3		12		Hemlock	Trace	Variable	Variable	
	Red Maple	20		13			,			-
	Bigtooth Aspen	10		12	67					
49	4131 - As	spen, Oak	F	Poletimb	er Well	25.4 62	111-140	N/A		This stand occurs above the bluff leading to the Manistee River.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	Aspen transitions from dense the western portion to a more maple oak aspen stand in the east. Oak throughout the stand suggests a
	Red Pine	1	Seedling	8		Ironwood	Low	Variable	Variable	period of open growth. A few red pine are "origin" stock. NCT runs
	White Oak	5		16		White Pine	Trace	Variable	Variable	through the stand along the bluff.
	Red Oak	15		18		Red Maple	Low	Variable	Variable	
	Red Oak	10	Seedling	8		Beech	Low	Variable	Variable	
	White Pine	9		12		Red Oak	Medium	Variable	Variable	
	Red Maple	15		10		White Oak	Low	Variable	Variable	
	Bigtooth Aspen	45		11	62					
50	4191 - Mixed Upla Co	nd Deciduo nifer	ous with F	Poletimb	er Well	34.7 72	81-110	N/A		aspen and oak with white pine throughout.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Oak	25		15		Red Maple	Low	Variable	Variable	
	Red Pine	5		16		White Pine	Medium	Variable	Variable	
	White Pine	25		14		Red Oak	Low	>20 feet	>20 feet	
	Red Maple	10		12		Ironwood	Medium	Variable	Variable	
	Bigtooth Aspen	35		13	72	Witch Hazel	Low	5 - 10 feet	5 - 10 feet	
51	6128 - Lowland C Decid	Coniferous, duous	Mixed F	Poletimb	er Well	9.0 124	51-80	N/A		Stand contains Anderson Creek
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Maple	10	Seedling	6		Balsam Fir	Low	Variable	Variable	
	Quaking Aspen	10		13		White Pine	Low	Variable	Variable	
	White Pine	10		12		Beech	Low	Variable	Variable	
	Red Oak	5		16		Northern White Cedar	Low	Variable	Variable	
	rthern White Cedar	35		9	124	Hemlock	Low	>20 feet	>20 feet	
Noi	illem wille Cedai	33		9	124	HOHIOOK		7 20 1000	7 20 1000	



Stand	tand Level 4 Cov	over Type		Size Den	sity	Acres Stand Age E	BA Range	Managed S	Site	General Comments
52	4191 - Mixed Upla Co	and Decidu nifer	uous with	Sawtimbe	r Well	14.0 41	81-110	N/A	A	Northern hardwoods on the flood plain several feet above the river with mixed conifers. Size and density varies across the stand.
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size]
	Basswood	8		16		Ironwood	Medium	5 - 10 feet	5 - 10 feet	
Musc	clewood/Hornbeam	2	Sapling	5		White Ash	Low	5 - 10 feet	5 - 10 feet	
	Sugar Maple	10		14		Black Cherry	Medium	5 - 10 feet	5 - 10 feet	
	Sugar Maple	5		20		Hawthorn (spp.)	Medium	5 - 10 feet	5 - 10 feet	
	Paper Birch	5	Seedling	9						
	White Oak	20	Seedling	8	41					
	Balsam Fir	1		10						
	Red Oak	10		20	91					
	Red Oak	5		12						
	Black Spruce	1	Seedling	8						
Nort	thern White Cedar	5	Seedling	9						
C	Quaking Aspen	5		12						
	Ironwood	5	Sapling	6						
	Red Pine	5	Seedling	7						
	White Pine	10		12						
	Black Cherry	3	Seedling	8	- \\/ - II	0.0 400	04.440	N//		Chand associate of N bounds w/s are blown discondenses the flood of
	Black Cherry 4190 - Mixed Upla	3 and Decidu	uous with	8 Sawtimbe		6.2 108	81-110	N/£		Stand consists of N.hwds w/some large dia. cedar on the flood plaseveral feet above the river.
(Black Cherry 4190 - Mixed Upla Ce Canopy Species	3 and Deciduedar % Cover	uous with	8 Sawtimbe		Sub-Canopy Species	Density	Avg. Height	Size	Stand consists of N.hwds w/some large dia. cedar on the flood pla several feet above the river.
(Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple	and Deciduedar Cover	uous with	Sawtimbe DBH 5	Age	Sub-Canopy Species Hawthorn (spp.)	Density Medium	Avg. Height 5 - 10 feet	Size 5 - 10 feet	
(Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple	and Deciduedar **Cover* 5 16	Size Class Sapling	Sawtimbe DBH 5 24		Sub-Canopy Species Hawthorn (spp.) Black Locust	Density Medium High	Avg. Height 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet	
(Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry	3 and Deciduedar Cover 5 16 5	uous with	Sawtimbe DBH 5 24 9	Age 108	Sub-Canopy Species Hawthorn (spp.)	Density Medium	Avg. Height 5 - 10 feet	Size 5 - 10 feet	
(Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry Basswood	3 and Deciduedar % Cover 5 16 5 14	Size Class Sapling	Sawtimbe DBH 5 24	Age	Sub-Canopy Species Hawthorn (spp.) Black Locust	Density Medium High	Avg. Height 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet	
(Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry Basswood Yellow Birch	3 and Deciduledar % Cover 5 16 5 14 5	Size Class Sapling	8 Sawtimbe DBH 5 24 9 12 10	108 61	Sub-Canopy Species Hawthorn (spp.) Black Locust	Density Medium High	Avg. Height 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet	
(Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry Basswood Yellow Birch Ironwood	3 and Deciduledar % Cover 5 16 5 14 5 14	Size Class Sapling	8 Sawtimbe DBH 5 24 9 12 10 6	Age 108	Sub-Canopy Species Hawthorn (spp.) Black Locust	Density Medium High	Avg. Height 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet	
	Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry Basswood Yellow Birch Ironwood Red Oak	3 and Deciduledar % Cover 5 16 5 14 5 15 10	Size Class Sapling Seedling	8 Sawtimbe DBH 5 24 9 12 10 6 14	108 61 21	Sub-Canopy Species Hawthorn (spp.) Black Locust	Density Medium High	Avg. Height 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet	
	Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry Basswood Yellow Birch Ironwood	3 and Deciduledar **Cover 5 16 5 14 5 15 10 10 10	Size Class Sapling Seedling	8 Sawtimbe DBH 5 24 9 12 10 6 14 16	108 61	Sub-Canopy Species Hawthorn (spp.) Black Locust	Density Medium High	Avg. Height 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet	
Nort	Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry Basswood Yellow Birch Ironwood Red Oak	3 and Deciduledar % Cover 5 16 5 14 5 15 10	Size Class Sapling Seedling	8 Sawtimbe DBH 5 24 9 12 10 6 14	108 61 21	Sub-Canopy Species Hawthorn (spp.) Black Locust	Density Medium High	Avg. Height 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet	
Nort	Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry Basswood Yellow Birch Ironwood Red Oak thern White Cedar	3 and Deciduledar **Cover 5 16 5 14 5 15 10 10 10	Size Class Sapling Seedling Sapling	8 Sawtimbe DBH 5 24 9 12 10 6 14 16	108 61 21	Sub-Canopy Species Hawthorn (spp.) Black Locust	Density Medium High	Avg. Height 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet	
Nort Nort	Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry Basswood Yellow Birch Ironwood Red Oak thern White Cedar Hemlock	3 and Deciduledar % Cover 5 16 5 14 5 15 10 10 10 15 5 spen, Oak	Size Class Sapling Seedling Sapling Seedling	8 Sawtimbe DBH 5 24 9 12 10 6 14 16 7 12 Sapling M	Age 108 61 108 61	Sub-Canopy Species Hawthorn (spp.) Black Locust Ironwood	Density Medium High	Avg. Height 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet < 5 feet	Stand was final harvested and chipped in 2021. Heavy deer brows
Nort Nort	Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry Basswood Yellow Birch Ironwood Red Oak thern White Cedar thern White Cedar Hemlock 4131 - A	3 and Deciduledar % Cover 5 16 5 14 5 15 10 10 10 15 5 spen, Oak	Seedling Seedling Seedling Seedling	8 Sawtimbe DBH 5 24 9 12 10 6 14 16 7 12 Sapling M	108 61 108 61 edium	Sub-Canopy Species Hawthorn (spp.) Black Locust Ironwood	Density Medium High Low	Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet	Size 5 - 10 feet 5 - 10 feet < 5 feet	several feet above the river.
Nort Nort	Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry Basswood Yellow Birch Ironwood Red Oak thern White Cedar Hemlock	3 and Deciduledar % Cover 5 16 5 14 5 15 10 10 10 15 5 spen, Oak	Size Class Sapling Seedling Sapling Seedling	8 Sawtimbe DBH 5 24 9 12 10 6 14 16 7 12 Sapling M	108 61 108 61 edium	Sub-Canopy Species Hawthorn (spp.) Black Locust Ironwood	Density Medium High Low	Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet	Size 5 - 10 feet 5 - 10 feet < 5 feet	Stand was final harvested and chipped in 2021. Heavy deer brows
Nort Nort	Black Cherry 4190 - Mixed Upla Ce Canopy Species Sugar Maple Sugar Maple Black Cherry Basswood Yellow Birch Ironwood Red Oak thern White Cedar thern White Cedar Hemlock 4131 - A	3 and Deciduledar % Cover 5 16 5 14 5 15 10 10 15 5 spen, Oak	Seedling Seedling Seedling Seedling	8 Sawtimbe DBH 5 24 9 12 10 6 14 16 7 12 Sapling M DBH	108 61 108 61 edium	Sub-Canopy Species Hawthorn (spp.) Black Locust Ironwood	Density Medium High Low	Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet	Size 5 - 10 feet 5 - 10 feet < 5 feet	Stand was final harvested and chipped in 2021. Heavy deer brows

Cadillac Mgt. Unit

Compartment: 131 Year of Entry: 2027 DNR DNR MICHIGAN

Stand	tand Level 4 Cover Type			Size De	nsity	Acres Stand Ac	ge BA Range	Managed S	Site	General Comments
55	6132 - Mixed Lowla	and Forest v	vith Cedar	Sawtimb	er Well	11.5 115	51-80	N/A	4	Mixed hardwood/cedar stand along river that is seasonally flooded.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	Abundant winter deer sign and ironwood understory.
	Rock Elm	5		8		Black Locust	Low	< 5 feet	< 5 feet	
	Balsam Poplar	10		11		White Ash	Medium	< 5 feet	< 5 feet	
	White Pine	1		20		Musclewood/Hornb	eam Low	Variable	Variable	
	Ironwood	5	Sapling	5		Hawthorn (spp.)) Low	5 - 10 feet	5 - 10 feet	
Nor	thern White Cedar	20		17	115					_
Nor	thern White Cedar	20	Seedling	9						
	Basswood	15		18	90					
	Basswood	12	Seedling	8	40					
	Sugar Maple	10		12						
	Paper Birch	2	Seedling	7						
56	4131 - A	spen, Oak		Saplin	Poor	11.0 4	Immature	N/A	Ą	Stand of red oak that occurs on top of the bluff leading down to the
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	Manistee river. Small portion of parent stand was cut. Stand was final harvested and chipped in 2021. (Wexford County Classic, 63-028-17
	White Oak	5	Log	1		Autumn Olive	Trace	5 - 10 feet	5 - 10 feet	())
	Black Cherry	5	Log	1						
	Red Oak	45	Log	1	4					
	Red Maple	5	Log	1						
	Bigtooth Aspen	40	Log	1	4					
57	42110 - Pla	nted Red P	ine	Poletimb	er Well	41.2 38	141-170	N/A	Ą	Red pine stand planted in the spring of 1987.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	
	1.3 - 1							T .		
	Red Pine	97		8	38	Red Maple	Low	Variable	Variable	
		97		8 9	38	Red Maple White Ash	Low Trace	Variable 5 - 10 feet	Variable 5 - 10 feet	
	Red Pine				38					

Report 7 - Stands



Stand	Level 4 Co	over Type	;	Size Density	Acres	Stand Age B	A Range	Managed S	Site	General Comments
58	330 - Low-[Density Tre	es	Unspecifed	71.1			Ye	S	Upland brush stand that should be burnt to promote native grasses
					Sub-Ca	nopy Species	Density	Avg. Height	Size	and set back woody debris.
					Black	Raspberry	Low	5 - 10 feet	5 - 10 feet	
					Ва	sswood	Trace	>20 feet	>20 feet	
					WI	nite Pine	Low	>20 feet	>20 feet	
					Ja	ck Pine	Low	>20 feet	>20 feet	
					Bla	ck Cherry	Low	>20 feet	>20 feet	
					Sco	otch Pine	Trace	10 - 20 feet	10 - 20 feet	
					Hawt	horn (spp.)	Trace	5 - 10 feet	5 - 10 feet	
					Qual	ing Aspen	Low	>20 feet	>20 feet	
					Ire	onwood	Trace	10 - 20 feet	10 - 20 feet	
					Autı	ımn Olive	Medium	5 - 10 feet	5 - 10 feet	
					J	uniper	Trace	5 - 10 feet	5 - 10 feet	
					Ame	rican Elm	Trace	>20 feet	>20 feet	
					W	nite Oak	Trace	>20 feet	>20 feet	
					Sug	jar Maple	Trace	>20 feet	>20 feet	
					Re	d Maple	Low	>20 feet	>20 feet	
59	330 - Low-[Density Tre	es	Unspecifed	2.9			No)	Mixed hardwoods and conifer along the banks of the Manistee river
					Sub-Ca	nopy Species	Density	Avg. Height	Size	
					Re	d Maple	Low	>20 feet	>20 feet	
					Northerr	White Cedar	Low	>20 feet	>20 feet	
					W	nite Oak	Low	>20 feet	>20 feet	
					WI	nite Pine	Low	>20 feet	>20 feet	
					Bla	ck Cherry	Medium	>20 feet	>20 feet	
					Sco	otch Pine	Low	>20 feet	>20 feet	
60	4130	- Aspen	S	Sawtimber Wel	l 4.5	71	81-110	N/A	Ą	Two small aspen areas adjacent to a managed wildlife opening
Canopy	/ Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
Quaking	Aspen	20		10	W	nite Oak	Low	>20 feet	>20 feet	
White	Pine	5		13	Ire	onwood	Low	Variable	Variable	
	21	5		12	Autı	ımn Olive	Low	5 - 10 feet	5 - 10 feet	
Black C	Cherry									→
Black C Red M		10		9						
	Maple	10 60		9 11 71						
Red M Bigtooth	Maple	60	with Cedar S		I 3.0	50	1-50	N/A	Ą	Wet area that appears to have been heavily effected by EAB. Some
Red M Bigtooth 61 6132 - M Canopy	Maple Aspen Mixed Lowlar Species	60		11 71	Sub-Ca	nopy Species	1-50 Density	N//	A Size	Wet area that appears to have been heavily effected by EAB. Some windthrow across the site and cattails present in spots.
Red M Bigtooth 61 6132 - N Canopy Yellow	Maple Aspen Mixed Lowla / Species Birch	60 nd Forest v	Size Class Seedling	11 71 Sawtimber Wel	Sub-Ca	nopy Species th (spp.)				
Red M Bigtooth 61 6132 - M Canopy	Maple Aspen Mixed Lowla / Species Birch	60 nd Forest v	Size Class	11 71 Sawtimber Wel	Sub-Ca	nopy Species	Density	Avg. Height	Size	



Stand	Level 4 C	over Type		Size De	ensity	Acres Stand Age B	BA Range	Managed S	ite	General Comments
62	4133 - Aspe	en, Mixed P	ine	Saplin	g Well	0.9 60	81-110	N/A		Small stand across Anderson creek.
	Canopy Species	% Cover	Size Class	DBI	H Age					
Noi	thern White Cedar	10		10						
	White Pine	25		15						
	Red Maple	25	Seedling	7						
	Bigtooth Aspen	40		12	60					
63	4124 - Red v	with White (Dak	Poletimb	oer Wel	9.8 95	111-140	N/A		Stand of mature oak surrounded by younger aspen and pine planting
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Maple	5		13		Red Oak	Low	Variable	Variable	
	White Oak	5	Seedling	9		White Oak	Low	Variable	Variable	
	White Oak	20		14		Sugar Maple	Low	Variable	Variable	
	Red Oak	65		20	95	Red Maple	Medium	Variable	Variable	
	Red Oak	5	Seedling	9			,		,	-
64	122 - Road	d/Parking Lo	ot	Unspe	ecifed	3.4		No		N 21 1/2 Rd
65	4311 - Pin	e, Aspen M	ix	Poletimb	er Poo	18.6 72	1-50	N/A		Jack pine stand that is scenesing and converting to a maple, oak, pine mix.
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Canopy Species	Density	Avg. Height	Size	pine mix.
Blac	k/Red (Hybrid) Oak	5		9		White Ash	Low	Variable	Variable	
	White Pine	10		9		Musclewood/Hornbeam	Low	Variable	Variable	
	Jack Pine	45		9	72	Beech	Low	Variable	Variable	
	Black Cherry	5		11		Quaking Aspen	Low	Variable	Variable	
	Sugar Maple	5	Seedling	7		Ironwood	High	Variable	Variable	
	Red Maple	15	Pole	4		White Oak	Low	Variable	Variable	
	Bigtooth Aspen	15		12		Black/Red (Hybrid) Oak	Low	Variable	Variable	
						White Pine	Low	Variable	Variable	
						Black Cherry	Low	Variable	Variable	
						Sugar Maple	Low	Variable	Variable	
						Red Maple	Full	Variable	Variable	
						Bigtooth Aspen	Low	Variable	Variable	
66	310 - Herbac	eous Open	land	Unspe	ecifed	7.8		No		Old field seeding in with white pine
						Sub-Canopy Species	Density	Avg. Height	Size	
						Autumn Olive	Trace	5 - 10 feet	5 - 10 feet	
						White Pine	Low	10 - 20 feet	10 - 20 feet	
						vviille i iile				
						Black Cherry	Trace	>20 feet	>20 feet	



Stan	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
68	42200 - Natu	ıral White F	Pine	Sawtimb	er Poor	9.9	108	1-50	N/A	1	Stand was cut in 2018 (Anderson Creek Aspen, 63-024-17), pine was
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	marked to cut while all hardwood and aspen was cut by spec.
	Bigtooth Aspen	2		13		Iro	nwood	Low	Variable	Variable	
	White Pine	95		16	108	Hawt	norn (spp.)	Trace	5 - 10 feet	5 - 10 feet	
	Black Cherry	3		15		Sug	ar Maple	Low	Variable	Variable	
						Re	d Maple	Medium	10 - 20 feet	10 - 20 feet	
						Bigto	oth Aspen	Full	10 - 20 feet	10 - 20 feet	
69	122 - Road	d/Parking L	ot	Unspe	cifed	2.4			No		6 Rd
70	4111 - S.Maple, Ha	ard Mast As	ssociation	Sawtimb	er Well	24.7	53	111-140	N/A		hardwood stand that occurs along river. N hardwood with cedar. Ash component is dying due to EAB.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Component is dying due to EAB.
	Basswood	15		11		Musclewe	ood/Hornbeam	Low	Variable	Variable	
	White Oak	5		11		Hawt	norn (spp.)	Low	5 - 10 feet	5 - 10 feet	
	White Pine	5		9		[Beech	Low	Variable	Variable	
	Red Oak	5		16	89	Northern	White Cedar	Low	>20 feet	>20 feet	
No	orthern White Cedar	15		11		Sug	ar Maple	Low	Variable	Variable	
	Sugar Maple	5		14		Re	d Maple	Low	Variable	Variable	
	Sugar Maple	50	Seedling	8	53	Iro	nwood	Low	Variable	Variable	
71	4199 - Other Mixe	d Upland D	eciduous	Poletimb	er Well	17.6	85	111-140	N/A		Poor form, open grown hardwoods with mixed aspen. Heavy browse
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and little regen occurring below browse line. Heavier white pine in northern portion of stand.
	White Pine	5		9		Wh	nite Pine	Low	Variable	Variable	'
	Basswood	5	Seedling	8			Beech	Low	Variable	Variable	
	Sugar Maple	10		14		R	ed Oak	Low	Variable	Variable	
	Red Maple	10		10		Iro	nwood	Low	Variable	Variable	
	Bigtooth Aspen	20		10		Wit	ch Hazel	Low	5 - 10 feet	5 - 10 feet	
	Red Oak	25		18	85						-
	Red Oak	5	Seedling	9							
	Quaking Aspen	10		9							
	White Oak	10		10							



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
72	42100 - Plan	ted White F	Pine	Poletimb	er Well	13.4	69	111-140	N/A	.	Typical poor form white pine plantation.Row thinned in a take two
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	leave two pattern. All red maple, aspen and jack pine was spec cut. Cut in 2010 as part of 6 Rd. Mix 63-010-07
	White Pine	99		14	69	Re	ed Maple	Medium	Variable	Variable	Out in 2010 as part of 5 Na. mix 60 010 of
	Black Cherry	1		12		W	hite Pine	Medium	Variable	Variable	
						Hawt	thorn (spp.)	Low	5 - 10 feet	5 - 10 feet	
						W	hite Ash	Low	Variable	Variable	
							Beech	Low	Variable	Variable	
						Morrow	Honeysuckle	Trace	5 - 10 feet	5 - 10 feet	
						Bla	ck Locust	Trace	< 5 feet	< 5 feet	
						Ir	ronwood	Medium	Variable	Variable	
						Auti	umn Olive	Low	5 - 10 feet	5 - 10 feet	
73	4110 - Sugar M	laple Assoc	ciation	Sawtimb	er Well	4.6	40	81-110	N/A		Overhead power line runs through stand. Heavy browse on maple
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	regen. Sapling and poles are almost exclusively sugar maple and ironwood
	Sugar Maple	40	Seedling	8	40	Sug	gar Maple	Medium	Variable	Variable	
	Sugar Maple	15		16	82	W	hite Ash	Low	< 5 feet	< 5 feet	
	Black Cherry	10		18		Ir	ronwood	Medium	Variable	Variable	
	Basswood	15		16		Bla	ck Locust	Trace	< 5 feet	< 5 feet	
	White Ash	2		14							
	Quaking Aspen	15		13							
	Ironwood	3		10							
74	310 - Herbac	eous Open	land	Unspe	cifed	1.5			No		Stand appears to be bluestem. Planted spruce along eastern edge planted by adjacent landowner before survey. No trespass needed.
75	4130	- Aspen		Sapling	y Well	5.0	14 I	mmature	N/A		Harvested as part of 6 Rd Mix 63-010-07. All trees 2 inches and
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	greater were harvested.
	Bigtooth Aspen	65	Log	3	14	Ir	onwood	Medium	Variable	Variable	
	Quaking Aspen	30	Log	3		W	hite Pine	Trace	Variable	Variable	
	White Pine	3		14							
	Black Cherry	2	Sapling	5							
76	42201 - Natural V Deci	White Pine	Mixed	Poletimb	er Well	1.7	80	81-110	N/A	.	Stand was not cut during previous entry. Hold as retention for adjacent cut.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	38		14		Ir	onwood	Medium	Variable	Variable	
	White Pine	60		12	80	W	hite Ash	Low	Variable	Variable	
	Black Cherry	2		10			Beech	Low	Variable	Variable	
			-			\//	hite Pine	Low	Variable	Variable	
						VVI	IIILE FIIIE	LOW	Variable	Variable	



Stand	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed \$	Site	General Comments
77	42110 - Plai	nted Red Pi	ine S	Sawtimbe	er Well	136.5	65	81-110	N//	Ą	Thinned in Natty Pine sale (63-077-97) in 2000. Stand last thinned in
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	2017 under the 131 Red Pine contract (63-001-17). Aspen and maple were spec cut.
	White Pine	1		15		Wh	ite Ash	Trace	5 - 10 feet	5 - 10 feet	note open can
	Red Oak	5		18		Wh	ite Oak	Low	Variable	Variable	
	Red Pine	94		11	65	Red	l Maple	Full	Variable	Variable	
						Bigtoo	oth Aspen	Low	10 - 20 feet	10 - 20 feet	
						Iro	nwood	Low	Variable	Variable	
						Autu	mn Olive	Trace	5 - 10 feet	5 - 10 feet	
						В	eech	Low	5 - 10 feet	5 - 10 feet	
						Re	d Oak	Medium	5 - 10 feet	5 - 10 feet	
78	4130	- Aspen		Sapling	Well	19.9	15	1-50	N/A	4	Some more open areas in the northern portion of the stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Quaking Aspen	10	Log	2	15	Wh	ite Pine	Low	10 - 20 feet	10 - 20 feet	
	Red Oak	10	Pole	4		Iro	nwood	Low	Variable	Variable	
	Sugar Maple	5		18		Autu	mn Olive	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	5	Pole	4		Wh	ite Oak	Low	10 - 20 feet	10 - 20 feet	
	Bigtooth Aspen	70	Log	2	15	Blackber	ry/Raspberry	Low	5 - 10 feet	5 - 10 feet	
79	42100 - Plan	ted White F	Pine F	Poletimbe	er Well	28.9	64	111-140	N//	4	Row thinned in a take two leave two pattern. All red maple, aspen and
	0				r						inck pine was special. Cut in 2010 as part of 6 Pd. Miy 62 010
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	jack pine was spec cut. Cut in 2010 as part of 6 Rd. Mix 63-010-
	White Pine	% Cover	Size Class	DBH	Age 64		eech	Density Low	Avg. Height Variable	Size Variable	07Generally well formed white pine for plantation origin.
			Size Class			В					
	White Pine	99	Size Class	10		B Iro	eech	Low	Variable	Variable	
	White Pine	99	Size Class	10		B Iro Wito	eech nwood	Low Medium	Variable Variable	Variable Variable	
	White Pine	99	Size Class	10		B Iro Wito Red	eech nwood h Hazel	Low Medium Trace	Variable Variable 5 - 10 feet	Variable Variable 5 - 10 feet	
80	White Pine Black Cherry	99		10	64	B Iro Wito Red	eech nwood th Hazel d Maple oth Aspen	Low Medium Trace Medium	Variable Variable 5 - 10 feet Variable	Variable Variable 5 - 10 feet Variable >20 feet	
80	White Pine Black Cherry	99	F	10 14	64 er Well	B Iro Witc Rec Bigtoc	eech nwood th Hazel d Maple oth Aspen	Low Medium Trace Medium Medium	Variable Variable 5 - 10 feet Variable >20 feet	Variable Variable 5 - 10 feet Variable >20 feet	07Generally well formed white pine for plantation origin.
80	White Pine Black Cherry	99 1	F	10 14 Poletimbe	64 er Well	B Iro Wito Rec Bigtoo 22.3 Sub-Can	eech nwood h Hazel I Maple oth Aspen	Low Medium Trace Medium Medium Medium	Variable Variable 5 - 10 feet Variable >20 feet	Variable Variable 5 - 10 feet Variable >20 feet	07Generally well formed white pine for plantation origin.
80	White Pine Black Cherry 4130 Canopy Species	99 1 1 - Aspen % Cover	F	10 14 Poletimbe	er Well	B Iro Wito Rec Bigtoo 22.3 Sub-Can	eech nwood th Hazel d Maple oth Aspen 53 copy Species	Low Medium Trace Medium Medium Medium 81-110 Density	Variable Variable 5 - 10 feet Variable >20 feet Avg. Height	Variable Variable 5 - 10 feet Variable >20 feet	07Generally well formed white pine for plantation origin.
80	White Pine Black Cherry 4130 Canopy Species Quaking Aspen	99 1 - Aspen	F	10 14 Poletimber DBH	er Well	B Iro Witc Rec Bigtoo 22.3 Sub-Can Rec Wh	eech nwood th Hazel d Maple oth Aspen 53 copy Species d Maple	Low Medium Trace Medium Medium Medium 81-110 Density Medium	Variable Variable 5 - 10 feet Variable >20 feet N// Avg. Height Variable	Variable Variable 5 - 10 feet Variable >20 feet Size Variable	07Generally well formed white pine for plantation origin.
80	White Pine Black Cherry 4130 Canopy Species Quaking Aspen Red Pine	99 1 - Aspen - Cover 25 2	F	10	er Well	B Iro Witc Rec Bigtoc 22.3 Sub-Can Rec Wh	eech nwood th Hazel d Maple oth Aspen 53 copy Species d Maple tte Pine	Low Medium Trace Medium Medium 81-110 Density Medium Medium	Variable Variable 5 - 10 feet Variable >20 feet N// Avg. Height Variable Variable	Variable Variable 5 - 10 feet Variable >20 feet Size Variable Variable Variable	07Generally well formed white pine for plantation origin.
80	White Pine Black Cherry 4130 Canopy Species Quaking Aspen Red Pine White Pine	99 1 - Aspen - Cover 25 2 5	F Size Class	10	er Well	B Iro Witc Rec Bigtor 22.3 Sub-Can Rec Wh Wh	eech nwood th Hazel d Maple oth Aspen 53 copy Species d Maple tte Pine ite Ash	Low Medium Trace Medium Medium 81-110 Density Medium Medium Low	Variable Variable 5 - 10 feet Variable >20 feet N// Avg. Height Variable Variable Variable	Variable Variable 5 - 10 feet Variable >20 feet Size Variable Variable Variable Variable	07Generally well formed white pine for plantation origin.
80	White Pine Black Cherry 4130 Canopy Species Quaking Aspen Red Pine White Pine White Pine	99 1 - Aspen - Cover 25 2 5 5	F Size Class	10	er Well	B Iro Wito Rec Bigtoo 22.3 Sub-Can Rec Wh Wh B	eech nwood th Hazel d Maple oth Aspen 53 copy Species d Maple tte Pine ite Ash eech	Low Medium Trace Medium Medium 81-110 Density Medium Medium Low Low	Variable Variable 5 - 10 feet Variable >20 feet N// Avg. Height Variable Variable Variable Variable Variable	Variable Variable 5 - 10 feet Variable >20 feet Size Variable Variable Variable Variable Variable Variable	07Generally well formed white pine for plantation origin.
80	White Pine Black Cherry 4130 Canopy Species Quaking Aspen Red Pine White Pine White Pine Red Maple	99 1 1 - Aspen % Cover 25	F Size Class	10	er Well Age 53	B Iro Wito Rec Bigtoo 22.3 Sub-Can Rec Wh Wh B Re	eech nwood th Hazel d Maple oth Aspen 53 hopy Species d Maple ite Pine ite Ash eech d Oak	Low Medium Trace Medium Medium 81-110 Density Medium Medium Low Low Low	Variable Variable 5 - 10 feet Variable >20 feet N// Avg. Height Variable Variable Variable Variable Variable >20 feet	Variable Variable 5 - 10 feet Variable >20 feet Size Variable Variable Variable Variable Variable >20 feet	07Generally well formed white pine for plantation origin.



Stanc	<u>, , , , , , , , , , , , , , , , , , , </u>		Size De	ensity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments	
81	4130	- Aspen		Sapling	g Well	17.4	7	Immature	N/A	1	Stand was final harvested in 2018 (Anderson Creek Aspen, 63-024-
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	17), spring time short wood operation. Great aspen regen post harvest
	Bigtooth Aspen	50	Log	2	7	Ir	onwood	Medium	Variable	Variable	
	Quaking Aspen	45	Log	2							_
	Black Cherry	5	Seedling	8							
82	42110 - Pla	inted Red P	ine	Sawtimb	er Well	2.4	60	81-110	N/A		Stand was thinned in 2018 (Anderson Creek Aspen, 63-024-17).
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Hardwood and aspen were spec cut.
	White Pine	5		15		Bigto	ooth Aspen	Medium	Variable	Variable	
	Red Pine	95		12	60	Ir	onwood	Low	Variable	Variable	
							Beech	Low	Variable	Variable	
						W	hite Pine	Low	>20 feet	>20 feet	
						Bla	ck Cherry	Low	Variable	Variable	
83	4130	- Aspen		Saplino	g Well	57.9	25	1-50	N/A		Young aspen stand that is growing well. Cut as part of Frys Mix (63-
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	086-97). Gently rolling terrain throughout the stand.
	Quaking Aspen	15	Sapling	5	25	W	hite Oak	Low	Variable	Variable	
	Red Oak	3		14		W	hite Pine	Low	Variable	Variable	
	White Pine	7		12		R	ed Oak	Low	Variable	Variable	
	Red Maple	10	Pole	3		Ir	onwood	Medium	Variable	Variable	
	Bigtooth Aspen	65	Sapling	5	25	Wit	tch Hazel	Medium	5 - 10 feet	5 - 10 feet	
						Re	ed Maple	Low	Variable	Variable	
84	6119 - Mixed Lowla	and Decidud	ous Forest	Poletimb	er Well	3.4	75	81-110	N/A		Ephemeral stream runs through the stand and has moderate to steep slopes leading down to it. Mixed hardwoods and some conifer
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	slopes leading down to it. Mixed hardwoods and some confier
	Red Oak	15		15		Hawt	horn (spp.)	Low	5 - 10 feet	5 - 10 feet	
	Red Pine	1		24		Ir	onwood	Medium	>20 feet	>20 feet	
	Basswood	15	Seedling	9		Musclew	ood/Hornbeam	Low	Variable	Variable	
	Basswood	10		17							
	Quaking Aspen	25		11	75						
	White Pine	5		15							
	Sugar Maple	9		12							
	Red Maple	20		10							
85	310 - Herbac	ceous Open	land	Unspe	cifed	1.9			No		this opening was previously under a trespass from the adjoining
						Sub-Ca	nopy Species	Density	Avg. Height	Size	landowner and was used as pasture. The trespass was corrected in 2007 and the land has been returned to state ownership.
						W	hite Pine	Low	>20 feet	>20 feet	
						W	hite Pine	Low	>20 feet	>20 feet	

Cadillac Mgt. Unit



Stand	Level 4 Co	ver Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
86	4119 - Mixed No	rthern Hard	dwoods	Sawtimb	er Well	23.6	82	81-110	N/A	A	Stand buffers contains steep banks with very limited access. Anderson creek runs through the stand
(Canopy Species	% Cover	Size Class		Age	Sub-Car	opy Species	Density	Avg. Height	Size	Anderson creek runs unough the stand
	Basswood	15		12		Musclewo	od/Hornbeam	Trace	Variable	Variable	
	White Pine	10		13		Iro	nwood	Low	Variable	Variable	
	Ironwood	5	Sapling	6		Suga	ar Maple	Low	Variable	Variable	
	Sugar Maple	30		14	82	Red	d Maple	Low	Variable	Variable	
	Red Maple	20		10							
В	igtooth Aspen	10		13							
	Red Oak	3		8							
North	hern White Cedar	5		9							
	Hemlock	2		10							
87	42290 - Natu	ral Mixed F	Pine	Sawtimb	er Well	24.2	77	111-140	N/A	Ą	Natural pine stand with evidence of past management (old skids
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	up/downslope). Steep slope in the west that leads down to Anderson Creek. White pine is well formed, particularly in the smaller size
C	uaking Aspen	5		9		Wh	ite Pine	Low	Variable	Variable	classes.
	Red Pine	20		19		Wh	ite Oak	Trace	10 - 20 feet	10 - 20 feet	
Black	/Red (Hybrid) Oak	10		12		Quak	ng Aspen	Medium	>20 feet	>20 feet	
	White Pine	40		15	77	Iro	nwood	Medium	Variable	Variable	
	White Pine	15	Seedling	9		Wito	h Hazel	Low	5 - 10 feet	5 - 10 feet	
	Sugar Maple	5		13		В	eech	Low	Variable	Variable	
	Red Maple	5		12							-
88	3302 - Low Dens	sity Conife	r Trees	Unspe	cifed	3.2			No)	
						Sub-Car	opy Species	Density	Avg. Height	Size	
						Red	d Maple	Low	>20 feet	>20 feet	
						Bas	sswood	Low	>20 feet	>20 feet	
						Wh	ite Pine	Low	>20 feet	>20 feet	
89	310 - Herbace	eous Open	land	Unspe	cifed	10.7			No)	Open grassy areas with a few scattered shrubs throughout.
					ſ	Sub-Car	opy Species	Density	Avg. Height	Size	Surrounded by young aspen on all sides.
						Bigto	oth Aspen	Low	>20 feet	>20 feet	
							k Pine	Low	10 - 20 feet	10 - 20 feet	
						Blac	k Cherry	Low	>20 feet	>20 feet	
								Trace	>20 feet	>20 feet	
						Bas	sswood	Hate	220 leet	>20 leet	
							ed Oak	Low	>20 feet	>20 feet	
						Re					



Stand	d Level 4 C	over Type	:	Size Density			Stand Age B	A Range	Managed S	ite	General Comments
90	4130	- Aspen		Sapling Well		90.9	15	1-50	N/A		Aspen stand that was harvested in 2010/11 under the Hanover Aspen
	Canopy Species	% Cover	Size Class	DBH	l Age						sale (63-049-08). Brush piles were left for habitat and lots of edge was created with the stand boundary. All red pine, sugar maple and
	Quaking Aspen	30	Pole	3	15						oak was left. Abundant autumn olive throughout stand.
	Red Pine	2		10							
	Sugar Maple	5		14							
	Bigtooth Aspen	48	Pole	3	15						
	Red Oak	15		15							
91	4131 - A	Aspen, Oak	F	oletimb	er Well	12.7	27	51-80	N/A		NCT runs through the stand along the bluff. Cut in the North Country
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Aspen sale. #093 1997
	White Oak	5		15		Wh	nite Oak	Low	Variable	Variable	
	Red Oak	10	Seedling	8		Re	d Maple	High	Variable	Variable	
	Red Oak	5		17		Bigto	oth Aspen	Medium	Variable	Variable	
	White Pine	10		12		Wh	nite Pine	Trace	Variable	Variable	
	Red Maple	30	Sapling	5		Re	ed Pine	Trace	Variable	Variable	
											<u>-</u>
	Bigtooth Aspen	40	Seedling	6	27						
92	Bigtooth Aspen 4133 - Aspe				27 Mediun	n 19.8	65	1-50	N/A		
92		en, Mixed P		letimbe			65 nopy Species	1-50 Density	N/A Avg. Height	Size	
92	4133 - Aspe	en, Mixed P	ine Po	DBH	r Mediun	Sub-Ca					
92	4133 - Aspe	en, Mixed P	ine Po	letimber DBH	r Mediun	Sub-Ca	nopy Species	Density	Avg. Height	Size	
92	4133 - Aspe Canopy Species Basswood	en, Mixed P % Cover 20	ine Po	DBH	r Mediun	Sub-Ca	nopy Species	Density	Avg. Height	Size	
92	4133 - Aspe Canopy Species Basswood Red Maple Bigtooth Aspen Red Pine	en, Mixed P % Cover 20 5	ine Po	DBH 13	Mediur	Sub-Ca	nopy Species	Density	Avg. Height	Size	
92	4133 - Aspe Canopy Species Basswood Red Maple Bigtooth Aspen Red Pine White Pine	en, Mixed P % Cover 20 5 45 2 25	ine Po	DBH 13 12 13 12 13	Mediur	Sub-Ca	nopy Species	Density	Avg. Height	Size	
92	4133 - Aspe Canopy Species Basswood Red Maple Bigtooth Aspen Red Pine	% Cover 20 5 45 2	ine Po	DBH 13 12 13 12	Mediur	Sub-Ca	nopy Species	Density	Avg. Height	Size	
92	4133 - Aspe Canopy Species Basswood Red Maple Bigtooth Aspen Red Pine White Pine	en, Mixed P **Cover* 20 5 45 2 25 3	ine Po	DBH 13 12 13 12 13	r Mediur	Sub-Ca	nopy Species umn Olive	Density	Avg. Height	Size 5 - 10 feet	Stand occurs along Anderson creek and has an upland and creek side
	4133 - Aspe Canopy Species Basswood Red Maple Bigtooth Aspen Red Pine White Pine Black Cherry	en, Mixed P **Cover** 20 5 45 2 25 3 Mixed Decidents	ine Po	DBH	r Mediur	Sub-Ca Autu	nopy Species umn Olive	Density High	Avg. Height 5 - 10 feet	Size 5 - 10 feet	component. Area adjacent to stand 38 appears to have been
	4133 - Aspe Canopy Species Basswood Red Maple Bigtooth Aspen Red Pine White Pine Black Cherry	en, Mixed P **Cover** 20 5 45 2 25 3 Mixed Decidents	ine Po Size Class	DBH	Mediur I Age 65	Sub-Ca Autu 8.8 Sub-Ca	nopy Species umn Olive	Density High 81-110	Avg. Height 5 - 10 feet N/A	Size 5 - 10 feet	
	4133 - Aspe Canopy Species Basswood Red Maple Bigtooth Aspen Red Pine White Pine Black Cherry 4139 - Aspen, Canopy Species	en, Mixed P **Cover* 20 5 45 2 25 3 Mixed Decident **Cover* **Cover*	ine Po Size Class	DBH 13 12 14 12 12 10 DBH DBH DBH DBH DBH DB	Mediur I Age 65	Sub-Ca Autu 8.8 Sub-Ca	nopy Species umn Olive 68 nopy Species	Density High 81-110 Density	Avg. Height 5 - 10 feet N/A Avg. Height	Size 5 - 10 feet	component. Area adjacent to stand 38 appears to have been
	4133 - Aspector Canopy Species Basswood Red Maple Bigtooth Aspen Red Pine White Pine Black Cherry 4139 - Aspen, Canopy Species Quaking Aspen	en, Mixed P % Cover 20 5 45 2 25 3 Mixed Decide % Cover 10	ine Po Size Class	13	Mediur I Age 65	8.8 Sub-Ca	nopy Species umn Olive 68 nopy Species nite Oak	Density High 81-110 Density Trace	Avg. Height 5 - 10 feet N/A Avg. Height Variable	Size 5 - 10 feet Size Variable	component. Area adjacent to stand 38 appears to have been
	4133 - Aspection Asperticular A	en, Mixed P % Cover 20 5 45 2 25 3 Mixed Decide % Cover 10 5	ine Po Size Class duous F Size Class	DBH 13 12 13 12 14 12 12 10	Mediur I Age 65	8.8 Sub-Ca With	68 nopy Species nite Oak nite Pine	Pensity High 81-110 Pensity Trace Medium	Avg. Height 5 - 10 feet N/A Avg. Height Variable Variable	Size 5 - 10 feet Size Variable Variable	component. Area adjacent to stand 38 appears to have been
	4133 - Aspe Canopy Species Basswood Red Maple Bigtooth Aspen Red Pine White Pine Black Cherry 4139 - Aspen, Canopy Species Quaking Aspen White Pine White Pine	en, Mixed P % Cover 20 5 45 2 25 3 Mixed Decide **Cover 10 5 10	ine Po Size Class duous F Size Class	DBH	Mediur I Age 65	8.8 Sub-Ca Wh Wh Blace	68 nopy Species nite Oak nite Pine ck Cherry	B1-110 Density 81-110 Density Trace Medium Low	Avg. Height 5 - 10 feet N/A Avg. Height Variable Variable Variable	Size 5 - 10 feet Size Variable Variable Variable	component. Area adjacent to stand 38 appears to have been
	4133 - Aspe Canopy Species Basswood Red Maple Bigtooth Aspen Red Pine White Pine Black Cherry 4139 - Aspen, Canopy Species Quaking Aspen White Pine White Pine Red Maple	en, Mixed P % Cover 20 5 45 2 25 3 Mixed Decir % Cover 10 5 10 20	ine Po Size Class duous F Size Class	DBH	r Mediur I Age 65 er Well I Age	8.8 Sub-Cal Wh Blace Quak	68 nopy Species nite Oak nite Pine ck Cherry Beech	B1-110 Density Trace Medium Low Low	N/A Avg. Height Variable Variable Variable Variable	Size 5 - 10 feet Size Variable Variable Variable Variable	component. Area adjacent to stand 38 appears to have been

Red Oak

10

Seedling

9

Cadillac Mgt. Unit Report 7 - Stands



Stand	d Level 4 C	over Type		Size Density		Acres	Stand Age BA Range		Managed S	ite	General Comments	
94	4311 - Pine, Aspen Mix			Poletimber Well		37.8	72	51-80	N/A		Stand touches Manistee river on two sides and is mostly flat. Full	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	understory of white pine that is free to grow. Aspen will fall out of the stand in the next 10 years.	
	Red Maple	9		12		Wh	nite Oak	Low	< 5 feet	< 5 feet	Stalla III tilo floxt fo youlo.	
	White Oak	5	Sapling	7		Wh	nite Pine	Full	10 - 20 feet	10 - 20 feet		
	Quaking Aspen	35		8	72	Blac	ck Cherry	Low	5 - 10 feet	5 - 10 feet		
	Red Oak	5		16		Hawtl	norn (spp.)	Trace	5 - 10 feet	5 - 10 feet		
	White Pine	35	Seedling	7		Musclewo	ood/Hornbeam	Trace	5 - 10 feet	5 - 10 feet		
	White Pine	10		20							_	
	Jack Pine	1		13								
95	42110 - Pla	inted Red P	ine	Poletimb	er Well	69.1	68	141-170	N/A		First thin in 1997 as part of Phoenix Pine (62-091-97). Thinned as part	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	of Downhill Pine (63-014-07) in 2009, second thinning. North Country Trail runs through the stand along the river	
	Red Maple	2		10		Wh	nite Pine	Medium	Variable	Variable	Than rails allough the stand along the mon	
	Red Pine	90		10	68	Re	d Maple	Low	Variable	Variable		
	White Oak	3		18		Wł	nite Ash	Low	5 - 10 feet	5 - 10 feet		
	White Pine	2		12		Wł	nite Oak	High	Variable	Variable		
	Black Cherry	2		13		E	Beech	Low	Variable	Variable		
	Red Oak	1		14		R	ed Oak	Low	Variable	Variable		
96	4123 -	Red Oak	Sawtimber Well		41.0 102 81		81-110	N/A	1	Stand of red oak that occurs on top of the bluff leading down to the		
	Canopy Species	% Cover	% Cover Size Class		s DBH Age		Sub-Canopy Species		Avg. Height	Size	Manistee river. Appears to have been thinned 40 or so years ago based on stump sprouts. Few small pockets of aspen	
	White Pine	10		14		Iro	nwood	High	Variable	Variable	based on stamp oproduct tow official positions of dopon	
	Red Maple	10		10		R	ed Oak	Low	>20 feet	>20 feet		
	Bigtooth Aspen	5		12		Wh	nite Pine	Medium	Variable	Variable		
	Basswood	5		12		Re	d Maple	Low	Variable	Variable		
	Red Oak	15	Seedling	9								
	Red Oak	55		20	102							
97	4130	- Aspen		Sapling	Poor	47.1	4 I	mmature	N/A		Stand was final harvested and chipped in 2021. Retention island left	
	Canopy Species	% Cover	Size Class	DBH	Age						as shown in site condition layer. (Wexford County Classic, 63-028-17)	
	White Pine	5	Log	1								
	Quaking Aspen	10	Log	1								
	White Oak	3	Log	1								
	Bigtooth Aspen	80	Log	1	4							
	Red Oak	2	Log	1								

Compartment: 131 Year of Entry: 2027 DNR DNR

Stand	Stand Level 4 Co		ver Type		Size Density		Stand Age B	A Range	Managed Site		General Comments
98	42201 - Natural White Pine, Mixed Deciduous			Sawtimber Well		20.4 70		51-80	N/A		Popular camping spot in NW of stand along Manistee river/Anderson creek. North Country Trail runs through the stand
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Oak	5		12		Re	d Maple	Low	Variable	Variable	
	Red Pine	5		11		WI	nite Oak	Low	Variable	Variable	
	Red Maple	5	Seedling	8		Wh	nite Pine	Low	Variable	Variable	
	Bigtooth Aspen	10		10		Blac	ck Cherry	Trace	Variable	Variable	
	Red Oak	5		22							-
	Red Oak	5	Seedling	9							
Nor	thern White Cedar	3		8							
	Hemlock	2		10							
	White Pine	30		13	70						
	White Pine	30	Seedling	8							
99	4199 - Other Mixed	d Upland D	eciduous	Poletimb	er Well	12.7	64	51-80	N/A		stand was left out of large adjacent cut last entry.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Oak	40		10	64	Iro	onwood	High	Variable	Variable	
	Basswood	15		9		Autu	ımn Olive	Full	5 - 10 feet	5 - 10 feet	
	White Pine	5		10							-
	Jack Pine	5	Seedling	8							
	Red Maple	10		8							
	Bigtooth Aspen	25		11	64						
100	42110 - Plar	nted Red P	ine	Poletimber Well		16.3 72		171-200	N/A		Consumers pine timber rights
	Canopy Species	% Cover	Size Class	DBH	I Age						
	Red Pine	100		9	72						
101	4133 - Aspe	en, Mixed P	ine	Poletimb	er Well	18.5	68	111-140	N/A		Mixed stand that gradually slopes down to an ephemeral creek. A few
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	origin red pine and northern white cedar scattered in northern portion of stand.
-	Quaking Aspen	10		12	68	Iro	onwood	Low	Variable	Variable	
	Red Oak	10		14		Re	d Maple	Medium	Variable	Variable	
						W	nite Pine	Medium	Variable	Variable	
	Red Maple	20		12		***	110 1 1110				
		20 5		12			Beech	Low	Variable	Variable	
	Red Maple				68	E					
	Red Maple Paper Birch	5	Seedling	10 12	68	E	Beech	Low	Variable	Variable	



Stand	Level 4 Co	over Type		Size Density		Acres	Stand Age E	BA Range	Managed S	ite	General Comments
102	3303 - Mixed L	ow Density	Trees	Unspe	cifed	1.2			No I		Forest road runs through the opening.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Ja	ack Pine	Low	>20 feet	>20 feet	
						Ame	erican Elm	Trace	>20 feet	>20 feet	
						Ва	asswood	Trace	>20 feet	>20 feet	
						Qual	king Aspen	Low	10 - 20 feet	10 - 20 feet	
						Autı	umn Olive	Low	5 - 10 feet	5 - 10 feet	
103	4191 - Mixed Upla Co	and Decidu	ous with I	Poletimb	er Well	5.3	85	51-80	N/A	\	Stand occurs along Anderson creek and the Manistee river. North country trail runs through the stand.
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	5		14		Re	ed Maple	Medium	Variable	Variable	
	White Pine	20		18		W	hite Oak	Low	Variable	Variable	
	White Pine	5	Seedling	7		I	Beech	Medium	Variable	Variable	
	Red Maple	20		10		R	ed Oak	Low	Variable	Variable	
Е	Bigtooth Aspen	5	Seedling	5		WI	hite Pine	Low	Variable	Variable	
	Red Oak	15	Seedling	9		Ire	onwood	Medium	Variable	Variable	
	Red Oak	30		18	85						
104	4119 - Mixed No	orthern Hard	dwoods I	Poletimb	er Well	14.2	79	111-140	N/A	1	Stand occurs on the flat below the river bluff. Mix of northern hardwoods with cedar.
(Canopy Species	% Cover	Size Class	DBH	Age						nardwoods with cedar.
	White Pine	15		13							
	Basswood	15		14							
	Sugar Maple	30		12	79						
	Red Maple	15		9	78						
Nort	thern White Cedar	15		11							
	White Oak	10		8							
105	4131 - A	spen, Oak	ı	Poletimb	er Well	29.9	72	81-110	N/A	1	Stand contains the bluff top and slope down to the Manistee River.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Oak	5		9		Sug	gar Maple	Low	Variable	Variable	
	Red Oak	20		16			hite Oak	Low	Variable	Variable	
	Sugar Maple	5		8		R	ed Oak	Low	Variable	Variable	
	Red Maple	5		9			onwood	Low	Variable	Variable	
E	Bigtooth Aspen	40		10	72	Autı	umn Olive	Low	5 - 10 feet	5 - 10 feet	
	White Pine	15		10							
	Quaking Aspen	10		9							

Compartment: 131 Year of Entry: 2027 DNR MICHIGAN

Stand Level	tand Level 4 Cover Type Size Density		Acres Stand Age B.	Managed S	Site	General Comments		
106 42260 - Natura	al Pine, Mixed I	Deciduous Po	oletimber Mediun	n 14.2 35	51-80	N/A	4	Mixed density stand that abuts the Manistee River. Small scattered
Canopy Specie	es % Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	openings throughout
Red Maple	5		12	White Oak	Low	Variable	Variable	
White Oak	5		14	Autumn Olive	Low	5 - 10 feet	5 - 10 feet	
Quaking Aspen	30	Sapling	7 35	White Pine	Medium	Variable	Variable	
Red Pine	5	Seedling	8	Jack Pine	Low	10 - 20 feet	10 - 20 feet	
White Pine	20	Seedling	8					_
White Pine	10		25 125					
Jack Pine	25	Seedling	8					
107 320	- Upland Shrub)	Unspecifed	15.7		No)	Open area with pockets of aspen, scattered trees. Being managed as
				Sub-Canopy Species	Density	Avg. Height	Size	a wildlife opening
				Bigtooth Aspen	Low	>20 feet	>20 feet	
				Quaking Aspen	Low	>20 feet	>20 feet	
				Red Pine	Low	>20 feet	>20 feet	
				Jack Pine	Low	>20 feet	>20 feet	
				Black Cherry	Low	Variable	Variable	
108 4199 - Other I	/lixed Upland [Deciduous F	Poletimber Well	5.3 75	81-110	N/A	4	Stand mostly occurs on a steep slope that crosses onto private before
Canopy Specie	es % Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	hitting Anderson Creek
White Pine	5		14	White Pine	Trace	Variable	Variable	
Basswood	30		12 75	White Oak	Trace	Variable	Variable	
Sugar Maple	5		13	Ironwood	Low	Variable	Variable	
Red Maple	20		10	Red Maple	Low	Variable	Variable	
Bigtooth Aspen	10		13	Beech	Low	Variable	Variable	
Red Oak	20		14	Red Oak	Trace	Variable	Variable	
Red Oak	10	Seedling	8					
109 42200 -	Natural White	Pine S	Sawtimber Well	5.6 94	81-110	N/A	4	Natural pine stand on bluff top and slope.
Canopy Speci	es % Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Oak	5		9	White Pine	Medium	Variable	Variable	
White Pine	70		14 94	Witch Hazel	Medium	5 - 10 feet	5 - 10 feet	
Red Pine	5		11					-
Sugar Maple	5		13					
Bigtooth Aspen	15		10					



Stand	d Level 4 C	over Type		Size Density		Acres	Stand Age BA Range		Managed S	ite	General Comments
110	4191 - Mixed Upland Deciduous with Conifer		ous with	Poletimber Well		7.0	62	81-110	N/A		Mixed sized stand. If no management occurs the stand will convert to pine/oak
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	10		20		Re	ed Maple	Low	Variable	Variable	
	White Pine	10		13		WI	hite Pine	High	Variable	Variable	
	Red Maple	25		10		-	Beech	Low	Variable	Variable	
	Bigtooth Aspen	30		10	62	R	led Oak	Low	Variable	Variable	
	White Oak	5		22							_
	Red Oak	20		13							
111	42201 - Natural Dec	White Pine	, Mixed	Poletimber Well		3.4 45		111-140	N/A	.	Aspen appears to have senesced out of this area. The stand is transitioning to a natural white pine with oak stand. Generally good
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	form throughout
	White Pine	60		9	45	WI	hite Pine	High	Variable	Variable	
	Red Maple	10		10		W	hite Oak	Trace	Variable	Variable	
	Bigtooth Aspen	5		12		-	Beech	Low	Variable	Variable	
	Red Oak	15		12		R	led Oak	Trace	Variable	Variable	
	Red Oak	10		24							_
112	4199 - Other Mixe	199 - Other Mixed Upland Deciduous			Sawtimber Well		8.3 53		N/A		Stand age is an average of core samples. Site will favor northern hardwoods over time
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	nardwoods over time
	Basswood	15		14		Ire	onwood	High	Variable	Variable	
	Sugar Maple	20		16		R	led Oak	Low	>20 feet	>20 feet	
	Red Maple	20		9				•			-
	Bigtooth Aspen	30		10	53						
	Red Oak	15		22							
113	4130	0 - Aspen		Sapling	g Well	16.6	25	1-50	N/A		Small aspen stands that were likely cut as part of Frys Mix (63-086-
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	97).
	Bigtooth Aspen	65	Sapling	5	25	Ire	onwood	Low	Variable	Variable	
	Quaking Aspen	25	Pole	4	25	WI	hite Pine	Trace	Variable	Variable	
	White Pine	5		10		Bla	ck Cherry	Low	10 - 20 feet	10 - 20 feet	
	Red Oak	5		15		W	hite Oak	Trace	10 - 20 feet	10 - 20 feet	
	Red Oak							Trace	10 - 20 feet	10 - 20 feet	



Stand	Stand Level 4 Co		ver Type		ensity	Acres Stand Age B	A Range	Managed Site		General Comments
114	4191 - Mixed Upland Deciduous with Conifer			Sawtimber Well		27.2 103	81-110	N/A		Stand is located mostly on a slope with a portion on the ridge top.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
	White Oak	5		10		Red Maple	Low	>20 feet	>20 feet	
	Red Pine	15		13		White Oak	Low	10 - 20 feet	10 - 20 feet	
	Red Maple	10		11		Red Pine	Trace	Variable	Variable	
	Bigtooth Aspen	5		10		Red Oak	Low	>20 feet	>20 feet	
	Red Oak	20	Seedling	9		White Pine	Low	Variable	Variable	
	Red Oak	20		19	103					-
	White Pine	10	Seedling	8						
	White Pine	15		15	82					
115	4112 - Maple, Beecl	n, Cherry A	ssociation	Sawtimb	er Well	10.3 73	81-110	N/A	4	Sattered log sized cherry throughout stand but often have poor form.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	One or two large oak and white pine in stand
	Black Cherry	20		10		Beech	Trace	< 5 feet	< 5 feet	
	Sugar Maple	20		11	73	Balsam Fir	Trace	Variable	Variable	
	Red Maple	60		11	73	White Pine	Trace	Variable	Variable	
116		42311 - Planted Spruce, Mixed Deciduous		Sawtimber Well		7.1 62	7.1 62 111-140		4	Planted white spruce stand 1962. Spruce is declining with only a small percentage showing good health.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Black Cherry	10		10		Sugar Maple	Trace	Variable	Variable	
	White Spruce	70		9	62	Balsam Fir	Low	Variable	Variable	
	Balsam Fir	5	Seedling	6		Beech	Trace	Variable	Variable	
	Sugar Maple	5		10						-
	Red Maple	10		10						
117	4130 -	Aspen		Saplin	g Well	4.8 25	1-50	N/A	Ą	Mixed quaking and bigtooth aspen stand, growing well. Cut as part of
	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Canopy Species	Density	Avg. Height	Size	Frys Mix (63-086-97)
	Quaking Aspen	25	Sapling	6	25	Red Maple	Low	Variable	Variable	
	Hemlock	2		12		Ironwood	Low	Variable	Variable	
	White Pine	5		12		Beech	Low	Variable	Variable	
	Sugar Maple	3	Sapling	7		White Pine	Low	Variable	Variable	
	Sugar Maple	5		28		Black Cherry	Trace	Variable	Variable	
	Bigtooth Aspen	60	Sapling			Hawthorn (spp.)		5 - 10 feet	5 - 10 feet	+

1.4

Unspecifed

7 – Stands



Compartment: 131

Year of Entry: 2027

Stand	Stand Level 4 Co			Size Density		s Stand Age E	BA Range	Managed S	Site	General Comments
118	429 - Mixed Upland Conifers		ifers	Sawtimber W	ell 6.9	60	51-80	N/A		Stand contains Anderson Creek. Steep banks to the creek limit
(Canopy Species	% Cover	Size Class	DBH Age	Sub-	Canopy Species	Density	Avg. Height	Size	access.
	Red Maple	3		10		Ironwood	Low	Variable	Variable	
(Quaking Aspen	20		14		White Pine	Medium	Variable	Variable	
	White Pine	5		22		Beech	Low	Variable	Variable	
	White Pine	30		12 60	North	ern White Cedar	Low	>20 feet	>20 feet	
Nort	thern White Cedar	27	Seedling	8						
	Hemlock	15		11						
119	4110 - Sugar M	laple Assoc	ciation	Sawtimber W	ell 4.8	111	111-140	N/A	4	hardwood stand that occurs along river. N hardwood with cedar. Ash
(Canopy Species	% Cover	Size Class	DBH Age	Sub-	Canopy Species	Density	Avg. Height	Size	component is dying due to EAB.
	White Pine	5		9	На	wthorn (spp.)	Low	5 - 10 feet	5 - 10 feet	
	Sugar Maple	15	Seedling	8		Ironwood	Low	Variable	Variable	
	Sugar Maple	40		16 111	Muscl	ewood/Hornbeam	Low	Variable	Variable	
	Basswood	25		11		Beech	Low	Variable	Variable	
	Beech	5		15	North	Northern White Cedar		>20 feet	>20 feet	
Nort	hern White Cedar	10		13 125	5	Sugar Maple	Low	Variable	Variable	
						Red Maple	Low	Variable	Variable	
120	4130	- Aspen S		Sapling Well		2.9 25		N/A		Small aspen stand that was likely cut as part of Frys Mix (63-086-97).
(Canopy Species	% Cover	Size Class	DBH Age	Sub-	Canopy Species	Density	Avg. Height	Size	
	Basswood	5		13		Beech	Trace	Variable	Variable	
	Sugar Maple	5		24	На	wthorn (spp.)	Low	5 - 10 feet	5 - 10 feet	
E	Bigtooth Aspen	10	Pole	4 25	Α	utumn Olive	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	50	Pole	4 25	1	Witch Hazel	Low	5 - 10 feet	5 - 10 feet	
	Ironwood	20	Log	3						
	Black Cherry	10	Seedling	6						
121	4130	- Aspen		Poletimber W	ell 13.	5 40	81-110	N/A	4	Stand occurs on the bluff top and contains the slope of the bluff and
(Canopy Species	% Cover	Size Class	DBH Age	Sub-	Canopy Species	Density	Avg. Height	Size	hillside down to the road. Mostly young aspen but some mixed older aspen is present.
	Basswood	5		12		White Oak	Low	Variable	Variable	a dopon to processin
	Quaking Aspen	10	Seedling	6		Red Oak	Low	Variable	Variable	
	Red Oak	5		16 90		White Pine	Medium	Variable	Variable	
	White Oak	3		9	Α	utumn Olive	Trace	5 - 10 feet	5 - 10 feet	
	White Pine	5		14	,	Witch Hazel	High	5 - 10 feet	5 - 10 feet	
	Sugar Maple	5		13						-
	Red Maple	5		14						
Е	Bigtooth Aspen	62		7 40						

No

122

330 - Low-Density Trees

OPIC - FMD: a few dispersed picnic/campsites along the river.