



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63123

Entry Year 2021

Acreage: 2,033

County Missaukee

Management Area: Manistee River Valley

Revision Date: 2019-06-11

Stand Examiner: Steve Eisele

Legal Description:

T24N R7W Sections 7,8,9,10

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:

Mostly rubicon sands with some Croswell. Terrain varies from flat to hilly.

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

There are private parcels in every section except 9. Seasonal residences and some agriculture, mostly Christmas trees. Recreation in compartment includes Miss Kal snowmobile and ORV trail. State Hiway M-66 runs north south along sections 8 and 9.

Unique Natural Features:

Potential for red shouldered and goshawks.

Archeological, Historical, and Cultural Features:

None noted.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

There is no flowing water in compartment.

Wildlife Habitat Considerations:

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

Mineral Resource and Development Concerns and/or Restrictions

Sections 7-10, T24N-R7W, Missaukee County

An active sand/gravel pit is located two miles to the southeast, in Section 13, and there appears to be good sand & gravel potential within the compartment. There has historically been some minor gas production from the Traverse Group to the east and northwest of the compartment. Encana completed a well to produce gas and condensate from the Collingwood Shale (Pioneer 1-3 HD well) to the north of the compartment, but the well was deemed uneconomical and abandoned and eventually plugged by Marathon. Other wells near the compartment have tested Devonian carbonate formations and have not been successful. There is no active mineral leasing in the area. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Open and closed roads along with recreational trails are detailed on the compartment map.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Miss Kal snowmobile and ORV trail. Dispersed camping, no campgrounds or water in compartment.

Fire Protection:

This compartment is mostly aspen & oak, with scattered areas of pine. There are areas of urban interface, throughout the compartment. Access would be fairly good for suppression equipment. IA is from the Manton FO, and response times would be 30 minutes or longer. Recreational use in this compartment could be a concern for possible increase of fire ignitions

Additional Compartment Information:**The following reports from the Inventory are attached:**

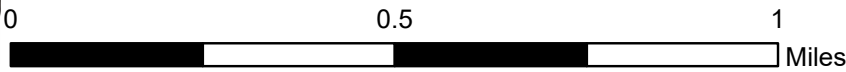
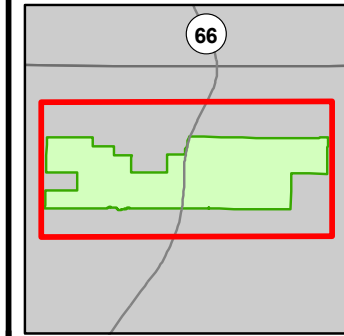
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

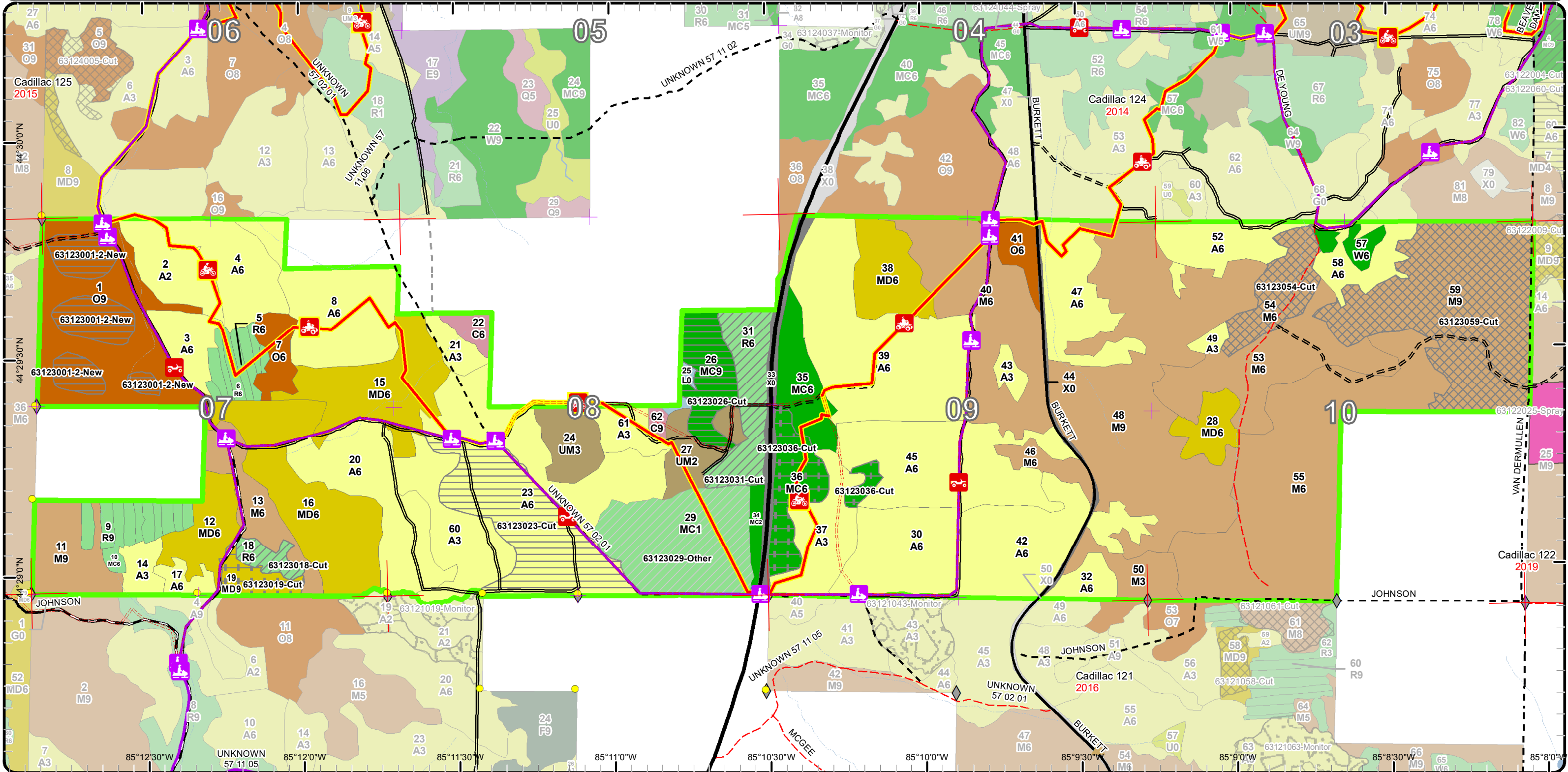
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 123
 T24N-R07W Sec. 07-10
 County: Missaukee
 Unit: Cadillac
 Mgmt Area: Manistee River Valley
 YOE: 2021
 Acres: 2,033 GIS Calculated
 Examiner: Steve Eisele
 Map Revised: 11/18/2019
 Map Phase: Post-Review

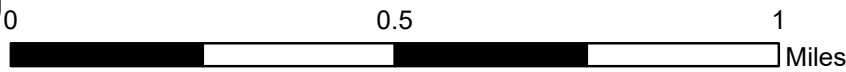


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - Federal / State - Dirt / Gravel Road
- - County - Dirt Road (Seasonal)
- - Private - Dirt / Gravel Road
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated ATV Trails
- - - Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Berms
- Intermittent Stream
- Perennial River
- Compartment Boundary
- Other Harvest - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 622 - Lowland Shrub

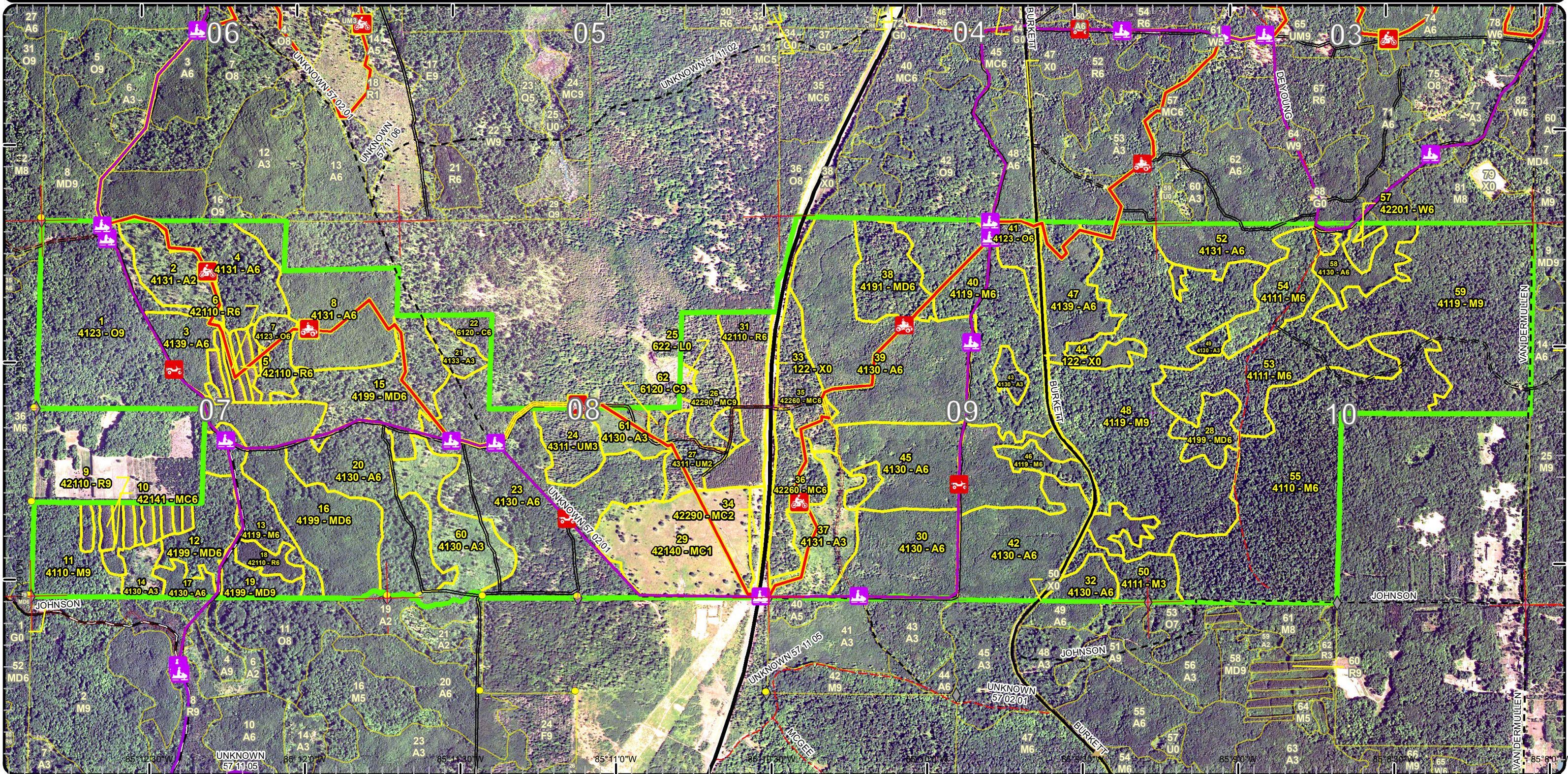


Stand Boundary Map

Compartment: 123
 T24N-R07W Sec. 07-10
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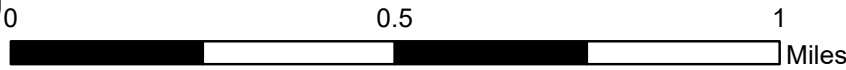
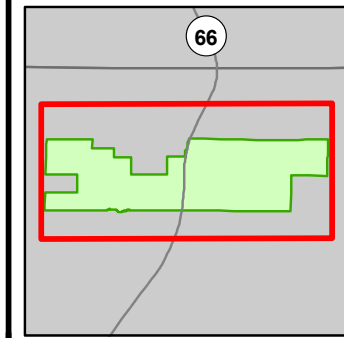


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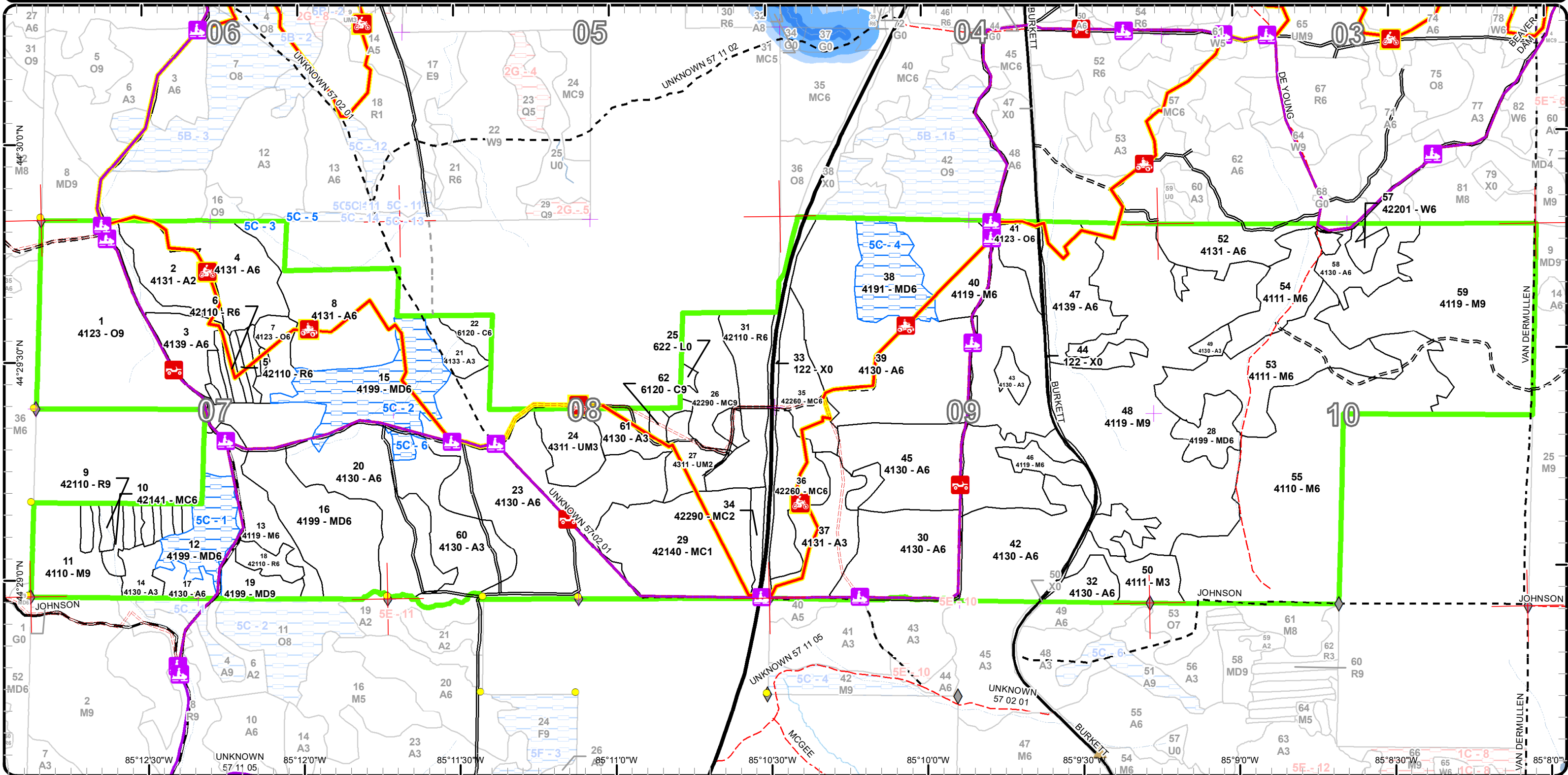


Special Conservation Areas & Site Conditions Map

Compartment: 123
 T24N-R07W Sec. 07-10
 County: Missaukee
 Unit: Cadillac
 Mgmt Area: Manistee River Valley
 YOE: 2021
 Acres: 2,033 GIS Calculated
 Examiner: Steve Eisele
 Map Revised: 11/18/2019
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- ▲ Berms
- Intermittent Stream
- Perennial River
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	122	38	140	313	162	0	0	0	0	0	0	0	0	0	0	0	0	774
Cedar	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	8
Lowland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	0	0	0	0	66	0	0	0	28	71	10	0	0	0	0	0	14	189
Natural Mixed Pines	0	6	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0	0	82
Northern Hardwood	0	17	0	0	0	0	0	0	0	35	53	0	0	0	0	0	0	546	650
Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	123
Planted Mixed Pines	0	63	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
Red Pine	0	0	0	7	0	0	0	60	0	0	0	0	0	0	0	0	0	0	67
Upland Mixed Forest	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Urban	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Total	28	244	38	155	313	228	0	136	0	63	124	19	0	0	0	0	0	690	2034



Report 2 – Treatment Summary

Cadillac Mgt. Unit

Year of Entry: 2021

Acres of Harvest

Compartment 123

Total Compartment Acres: 2,033

Commercial Harvest - 308
 Harvests with Site Condition - 0
 Next Step Harvest - 25
 Habitat Cut - 59

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	68	0	0	0	0	0	0	0	0	68
Mixed Upland Deciduous	0	0	0	0	0	10	0	0	0	10
Natural Mixed Pines	25	0	0	0	0	28	0	0	0	53
Northern Hardwood	0	139	0	0	0	0	0	0	0	139
Oak	34	0	0	0	0	0	0	0	0	34
Red Pine	0	0	0	0	37	0	0	0	0	37
Total	127	139	0	0	37	39	0	0	0	342

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	342	0	0	0	0	0	63	0	0	406
Next Step	25	25	25	0	25	367	0	0	0	466
Total	367	25	25	0	25	367	63	0	0	871



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

1	63123001-2-New	34.4	4123 - Red Oak	Sawtimber Well	106	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	Yes
<p><u>Prescription</u> Do some "patch" clear cuts of dead areas and larger diameter oaks. Leave corridors in between</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mix of oak and deciduous</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
18	63123018-Cut	7.3	42110 - Planted Red Pine	Poletimber Well	62	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin out defect, down to about 100-110 ba</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Planted red pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
19	63123019-Cut	10.4	4199 - Other Mixed Upland Deciduous	Sawtimber Well	100	81-110	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription</u> Do an overstory removal of log size oak, release regen understory</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mixed deciduous</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
23	63123023-Cut	68.0	4130 - Aspen	Poletimber Well	49	Unspec ified	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<u>Prescription</u> Clear cut with retention. Leave some islands and areas with lower stocking. Diameters vary <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed deciduous <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020											
26	63123026-Cut	24.7	42290 - Natural Mixed Pine	Sawtimber Well	61	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> Clear cut and plant to red pine <u>Specs:</u> <u>Next Step</u> Harvest, Clearcut; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); <u>Treatments:</u> Monitoring, Artificial Regen(3yr) <u>Acceptable</u> Planted red pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020											
29	63123029- Other	63.4	42140 - Planted Mixed Pine	Sapling Poor	7	Immatur re	Other	Other	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> hand release <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020											
31	63123031-Cut	29.9	42110 - Planted Red Pine	Poletimber Well	60	171- 200	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> Mark out defect. Thin down to approx. 100-120 ba <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Planted red pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
36 63123036-Cut	28.3	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	60	111-140	Harvest	Overstory Removal	4319 - Mixed Upland Forest	Two-Aged	No
<u>Prescription</u> Do an over story removal. Take out log size red and white pine. Also cut the larger oak. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Mixed conifer and deciduous <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020										
54 63123054-Cut	25.1	4111 - S.Maple, Hard Mast Association	Poletimber Well	81	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<u>Prescription</u> Do a select cut/ hardwood thin <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Mixed deciduous <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020										
59 63123059-Cut	114.1	4119 - Mixed Northern Hardwoods	Sawtimber Well	86	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Two-Aged	No
<u>Prescription</u> Mark stand to a residual BA of 60-80. Focus on removing defect while opening up crowns on dominant trees. Create canopy gaps scattered throughout the harvest area. These gaps should be at least a half acre in size and be near dominant seed producing sugar maples. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> mixed deciduous <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2020										

Total Treatment 405.6
Acreage Proposed:

Report 4 – Site Conditions

Cadillac Mgt. Unit
Steve Eisele : Examiner

Compartment: 123
Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions	
				5C	
774	774	0	0	Aspen	0
9	9	0	0	Cedar	
2	2	0	0	Lowland Shrub	
190	91	99	0	Mixed Upland Deciduous	99
82	82	0	0	Natural Mixed Pines	
649	649	0	0	Northern Hardwood	
123	123	0	0	Oak	
71	71	0	0	Planted Mixed Pines	
67	67	0	0	Red Pine	
35	35	0	0	Upland Mixed Forest	
25	25	0	0	Urban	
7	7	0	0	White Pine	
2,033	1,934	99		Total Forested Acres	99
	95%	5%	0%	Relative Percent	

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Steve Eisele : Examiner

Compartment: 123
Year of Entry: 2021

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
1	4123 - Red Oak	Sawtimber Well	99.4	106	81-110	N/A	Has been thinned and is not full of beech brush like other stands. Most of the oak appears to be healthy except for a few patches of dead.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		15	Log/Pole	10		Sugar Maple	Low	5 - 10 feet	Sapling
Red Maple		15	Pole/Log	8		Red Maple	Low	5 - 10 feet	Sapling
Red Oak		50	XLog/Log	18	106	Beech	Low	5 - 10 feet	Sapling
						Ironwood	Low	5 - 10 feet	Sapling
						White Ash	Low	< 5 feet	Seeding
						Red Oak	Low	< 5 feet	Seeding
2	4131 - Aspen, Oak	Sapling Medium	24.0	7	Immature	N/A	good aspen and oak Treated with sale 63-014-11-01		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		20	Sapling	2		Red Maple	High	< 5 feet	Sapling
Red Oak		20	Log/Pole	10	91	White Pine	Low	< 5 feet	Sapling
Bigtooth Aspen		40	Sapling	2	7	Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Sugar Maple		10	Sapling	2		Bigtooth Aspen	High	< 5 feet	Sapling
White Oak		10	Pole	8		Red Oak	Low	< 5 feet	Seeding
						Sugar Maple	High	< 5 feet	Sapling
3	4139 - Aspen, Mixed Deciduous	Poletimber Well	16.1	46	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		20	Pole/Sapling	6		Black Cherry	Low	5 - 10 feet	Sapling
Bigtooth Aspen		50	Pole/Sapling	6	46	Ironwood	Low	5 - 10 feet	Sapling
Sugar Maple		10	Pole/Sapling	6		Sugar Maple	Low	5 - 10 feet	Sapling
Red Oak		10	Pole/Sapling	6		Red Maple	Low	5 - 10 feet	Sapling
4	4131 - Aspen, Oak	Poletimber Well	32.9	17	Immature	N/A	Cut in 2002 Now log size oak over thick regen of mostly aspen and red maple		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		20	Sapling/Pole	4		Red Maple	Medium	5 - 10 feet	Sapling
Red Oak		30	Log/Pole	12	101	Black Cherry	Low	5 - 10 feet	Sapling
Bigtooth Aspen		40	Sapling/Pole	4	17	Ironwood	Low	5 - 10 feet	Sapling
Beech		10	Sapling/Pole	4		Bigtooth Aspen	High	5 - 10 feet	Sapling
						Beech	Medium	5 - 10 feet	Sapling
5	42110 - Planted Red Pine	Poletimber Well	6.8	27	111-140	N/A	planted red pine with some volunteer jack in understory		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		85	Sapling/Pole	4	27	Jack Pine	Medium	10 - 20 feet	Sapling
Jack Pine		15	Sapling/Pole	4					
6	42110 - Planted Red Pine	Poletimber Well	9.8	62	141-170	N/A	hilly terrain straight rows		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		100	Pole/Log	8	62				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
7	4123 - Red Oak	Poletimber Well	12.1	95	51-80	N/A	cut with sale 63-010-11-01 in 2013 Looks good, no dead oak right now!		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		10	Sapling/Pole	4		Sugar Maple	Low	10 - 20 feet	Sapling
Red Oak		70	Pole/Log	10	95	Beech	Low	10 - 20 feet	Sapling
Bigtooth Aspen		10	Sapling/Pole	4		Red Maple	Medium	10 - 20 feet	Sapling
Red Maple		10	Sapling/Pole	4		Bigtooth Aspen	Medium	10 - 20 feet	Sapling
8	4131 - Aspen, Oak	Poletimber Well	53.5	36	Unspecified	N/A	thick aspen red maple stand small pole size		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		20	Pole/Sapling	6		Red Maple	Medium	10 - 20 feet	Sapling
Bigtooth Aspen		60	Pole/Sapling	6	36	Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Red Oak		20	Pole/Log	8		Bigtooth Aspen	Medium	10 - 20 feet	Sapling
						Red Oak	Low	10 - 20 feet	Sapling
9	42110 - Planted Red Pine	Sawtimber Well	12.9	62	141-170	N/A	Has been thinned. Ready to clear cut and replant to red pine, strips on west end full of brush will be a battle to knock down. Pesticide and burn may be needed.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		90	Log/Pole	10	62	Beech	High	5 - 10 feet	Sapling
Red Maple		10	Log/Pole	10		Ironwood	High	5 - 10 feet	Sapling
						White Ash	Low	< 5 feet	Sapling
10	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Well	8.1	26	81-110	N/A	planted red pine with a wide variety of species mixed in		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		50	Pole/Sapling	5	26	White Ash	Medium	< 5 feet	Sapling
Jack Pine		10	Sapling/Pole	4	26	Beech	Medium	< 5 feet	Sapling
Ironwood		10	Sapling/Pole	4		Black Cherry	Medium	< 5 feet	Sapling
11	4110 - Sugar Maple Association	Sawtimber Well	28.4	91	81-110	N/A	Good hardwood stand except the usual filling in of beech and ironwood		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		60	Pole/Log	9	91	Beech	High	10 - 20 feet	Sapling
Basswood		15	Log/Pole	10		Ironwood	High	10 - 20 feet	Sapling
Beech		15	Pole/Log	9		White Ash	Medium	< 5 feet	Sapling
Red Oak		10	Log/Pole	12		Sugar Maple	Low	5 - 10 feet	Sapling
12	4199 - Other Mixed Upland Deciduous	Poletimber Well	22.1	96	51-80	N/A	Large diameter oak over mixed hardwoods		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		30	Pole	6	51	Sugar Maple	Low	10 - 20 feet	Sapling
Red Oak		45	Log	16	96	Beech	Medium	5 - 10 feet	Sapling
Beech		10	Pole/Log	8		Ironwood	Medium	5 - 10 feet	Sapling
Red Maple		10	Pole	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
13	4119 - Mixed Northern Hardwoods	Poletimber Well	24.3	91	81-110	N/A	Cut with sale 63-010-11-01 in 2013		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		40	Pole/Log	8		Sugar Maple	Low	5 - 10 feet	Sapling
Red Maple		10	Pole/Log	8		Beech	Medium	< 5 feet	Sapling
Basswood		10	Log/Pole	12		Ironwood	Low	5 - 10 feet	Sapling
Red Oak		40	Log/Pole	14	91	Red Oak	Low	< 5 feet	Sapling
						White Ash	Low	< 5 feet	Sapling
14	4130 - Aspen	Sapling Well	8.7	7	Unspecified	N/A	Treated with sale 63-014-11-01		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		10	Sapling	2		Red Maple	Medium	< 5 feet	Sapling
Bigtooth Aspen		70	Sapling	2	7	Beech	Medium	< 5 feet	Sapling
Black Cherry		15	Sapling	2		Ironwood	Medium	< 5 feet	Sapling
						Bigtooth Aspen	High	< 5 feet	Sapling
						Black Cherry	Medium	< 5 feet	Sapling
15	4199 - Other Mixed Upland Deciduous	Poletimber Well	49.1	95	51-80	N/A	cut with sale 63-049-01-01 in 2002 scattered oak and white pine left over thick sub canopy of aspen red maple solid patch of pine in se corner, small acreage		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		40	Log	12	95	Red Maple	Full	5 - 10 feet	Sapling
Bigtooth Aspen		30	Sapling	3	17	Bigtooth Aspen	Full	5 - 10 feet	Sapling
Red Maple		10	Sapling	3		Red Oak	Low	< 5 feet	Sapling
Red Pine		10	Pole/Log	8		White Pine	Medium	5 - 10 feet	Sapling
16	4199 - Other Mixed Upland Deciduous	Poletimber Well	66.1	43	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		30	Pole	6		Bigtooth Aspen	Medium	5 - 10 feet	Sapling
Bigtooth Aspen		30	Pole	6	43	Ironwood	Low	5 - 10 feet	Sapling
Red Oak		25	Pole/Log	8		Beech	Low	5 - 10 feet	Sapling
Beech		10	Pole	6		Yellow Birch	Medium	5 - 10 feet	Sapling
17	4130 - Aspen	Poletimber Well	6.6	29	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Sapling/Pole	4		Beech	Low	5 - 10 feet	Sapling
Bigtooth Aspen		60	Sapling/Pole	4	29	Ironwood	Low	5 - 10 feet	Sapling
Ironwood		10	Sapling/Pole	4		White Ash	Low	5 - 10 feet	Sapling
Beech		10	Sapling/Pole	4					
Sugar Maple		10	Sapling/Pole	4					
18	42110 - Planted Red Pine	Poletimber Well	7.3	62	141-170	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		100	Pole	8	62	Beech	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
19	4199 - Other Mixed Upland Deciduous	Sawtimber Well	10.4	100	81-110	N/A	scattered sawlog oak over thick subcanopy of mixed deciduous		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		55	Log	16	100	Sugar Maple	Low	10 - 20 feet	Sapling
Sugar Maple		20	Sapling/Pole	4	11	Red Maple	High	10 - 20 feet	Sapling
Red Maple		20	Sapling/Pole	4		Beech	Medium	10 - 20 feet	Sapling
						Ironwood	Medium	5 - 10 feet	Sapling
						Bigtooth Aspen	Medium	10 - 20 feet	Sapling
20	4130 - Aspen	Poletimber Well	51.6	36	Unspecified	N/A	thick sapling/pole stand of aspen red maple with scattered sawlog oak		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		30	Sapling/Pole	4		Red Maple	Low	5 - 10 feet	Sapling
Bigtooth Aspen		60	Sapling/Pole	4	36	Witch Hazel	Low	5 - 10 feet	Tall Shrub
Northern Pin Oak		10	Log/Pole	12	91	Serviceberry (Juneberry)	Low	< 5 feet	Tall Shrub
						Bigtooth Aspen	Low	5 - 10 feet	Sapling
21	4133 - Aspen, Mixed Pine	Sapling Well	8.4	6	Unspecified	N/A	Cut with sale 63-35-11-01 Cut in 2013		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Sapling	2		Balsam Fir	Low	5 - 10 feet	Sapling
White Pine		20	Pole	7	56	White Pine	Low	< 5 feet	Sapling
Red Pine		10	Pole	7		Red Maple	Low	< 5 feet	Sapling
Quaking Aspen		55	Sapling	2	6	Quaking Aspen	High	< 5 feet	Sapling
22	6120 - Lowland Cedar	Poletimber Well	6.1	100	141-170	N/A	Mix of species, wet in the middle, pine along the edge		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		10	Log/Pole	10		Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir		15	Pole/Sapling	6		Northern White Cedar	Low	10 - 20 feet	Sapling
Northern White Cedar		50	Pole/Sap/Log	7	100				
White Pine		10	Pole	8					
23	4130 - Aspen	Poletimber Well	121.9	49	Unspecified	N/A	diameters vary mostly low quality and low stocking in spots		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole/Sapling	6		Northern Pin Oak	Low	5 - 10 feet	Sapling
Bigtooth Aspen		75	Pole/Sapling	7	49	White Pine	Low	< 5 feet	Sapling
Red Oak		10	Pole/Log	8		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
						Red Maple	Low	5 - 10 feet	Sapling
						Bigtooth Aspen	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
24	4311 - Pine, Aspen Mix	Sapling Well	17.5	6	51-80	N/A	super canopy white pine over mixed pine and deciduous Treated with sale 63-035-11-01 Cut in 2013																																																	
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25	622 - Lowland Shrub	Nonstocked	2.5		Unspecified	No	treed bog most of the cedar is dead rest is sap size spruce and tamarack with pussy willow																																																	
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26	42290 - Natural Mixed Pine	Sawtimber Well	24.7	61	81-110	N/A	mixed pine with low wet areas on edge Treated with sale 63-035-11-01 Consider converting to planted red pine. Now a mixed bag of species but the red does well here. Stay out of wet areas to the south																																																	
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29	42140 - Planted Mixed Pine	Sapling Poor	63.4	7	Immature	N/A	Jack pine stand final harvested in 2011. Planted in 2012 to red pine. Year three survey 470 TPA of red pine and 1646 TPA of other trees mostly volunteer jack pine accept mix as is. ORV and snow trail in stand.																																																
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31	42110 - Planted Red Pine	Poletimber Well	29.9	60	171-200	N/A																																																	
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34	42290 - Natural Mixed Pine	Sapling Medium	5.5	6	Immature	N/A	Was an open brush type before but now filling in with seeds and saps																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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35 42260 - Natural Pine, Mixed Deciduous Poletimber Well 23.1 60 51-80 N/A Cut with sale 63-035-11-01

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	20	Log/Pole	16		Red Maple	Low	< 5 feet	Sapling
White Pine	40	Pole/Log	8	60	Quaking Aspen	Low	< 5 feet	Sapling
Red Pine	20	Pole	8		White Pine	Medium	< 5 feet	Sapling
Red Maple	10	Sapling	2		Red Pine	Medium	< 5 feet	Sapling
Bigtooth Aspen	10	Sapling	2		Witch Hazel	Medium	5 - 10 feet	Tall Shrub

36 42260 - Natural Pine, Mixed Deciduous Poletimber Well 28.3 60 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	5		White Pine	Medium	5 - 10 feet	Sapling
Red Oak	20	Log/Pole	12		Red Maple	Medium	5 - 10 feet	Sapling
Quaking Aspen	10	Pole	5		Quaking Aspen	Medium	5 - 10 feet	Sapling
White Pine	30	Log/Pole	10	60	Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Red Pine	30	Log/Pole	10					

37 4131 - Aspen, Oak Sapling Well 30.3 7 Immature N/A Treated with sale 63-014-11-01

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	60	Sapling	2	7	White Pine	Low	< 5 feet	Sapling
Northern Pin Oak	20	Pole	7		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Red Maple	10	Sapling	2					
White Pine	10	Sapling	2					

38 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 27.6 86 1-50 N/A this was a final harvest with reserves last time now scattered oak and pine over thick understory of aspen/red maple cut in 04

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	30	Log	12	86	Red Maple	High	5 - 10 feet	Sapling
White Pine	10	Log/Pole	10		Quaking Aspen	High	5 - 10 feet	Sapling
Red Pine	10	Log/Pole	10		White Pine	Low	5 - 10 feet	Sapling
Red Maple	20	Sapling	3		Witch Hazel	Medium	5 - 10 feet	Tall Shrub
Bigtooth Aspen	20	Sapling	3					
Sugar Maple	10	Pole	8					

39 4130 - Aspen Poletimber Well 97.9 37 Unspecified N/A cut in 1982 came back thick

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Sapling	6	37	Beech	Low	5 - 10 feet	Sapling
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
40	4119 - Mixed Northern Hardwoods	Poletimber Well	75.3	91	51-80	N/A	Treated in 2003 Thick understory a lot of beech																																																																
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41	4123 - Red Oak	Poletimber Well	11.2	89	51-80	N/A	Treated with sale 63-004-11-01																																																																
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44	122 - Road/Parking Lot	Nonstocked	7.6		Unspecified	No	OLd 66 Burkett rd.																																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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45	4130 - Aspen	Poletimber Well	40.9	26	Immature	N/A	final harvested in 1993 came back solid
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		30	Pole	5		Witch Hazel	
Bigtooth Aspen		60	Pole	5	26	Serviceberry (Juneberry)	
						Bigtooth Aspen	
						Red Maple	
						Northern Pin Oak	
						Density	
						Avg. Height	
						Size	

46	4119 - Mixed Northern Hardwoods	Poletimber Well	9.4	86	51-80	N/A	Treated with sale 63-004-11-01 cut in 2013
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		20	Pole/Log	8		Sugar Maple	
Basswood		20	Log/Pole	10		Beech	
Red Oak		30	Pole/Log	9	86	Ironwood	
Red Maple		10	Pole	7		Serviceberry (Juneberry)	
Beech		20	Pole	7		Density	
						Avg. Height	
						Size	

47	4139 - Aspen, Mixed Deciduous	Poletimber Well	37.9	25	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		30	Pole/Sapling	5		Red Maple	
Red Oak		10	Pole/Log	9		Ironwood	
Bigtooth Aspen		50	Pole/Sapling	5	25	Serviceberry (Juneberry)	
						Bigtooth Aspen	
						Density	
						Avg. Height	
						Size	

48	4119 - Mixed Northern Hardwoods	Sawtimber Well	160.5	81	81-110	N/A	cut in 2003 Look at thinning again next year of entry, should be a good log sale then.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		35	Pole/Log	8	81	Red Maple	
Red Maple		15	Pole/Log	8		Beech	
Basswood		20	Log/Pole	10		Ironwood	
Red Oak		20	Log/Pole	10		Sugar Maple	
						White Ash	
						Density	
						Avg. Height	
						Size	

49	4130 - Aspen	Sapling Well	4.9	15	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Sapling/Pole	4		Beech	
Bigtooth Aspen		60	Sapling/Pole	4	15	Ironwood	
Beech		10	Sapling/Pole	4		Red Maple	
Sugar Maple		10	Sapling	3		Sugar Maple	
Black Cherry		10	Sapling	3		Bigtooth Aspen	
						Density	
						Avg. Height	
						Size	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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50	4111 - S.Maple, Hard Mast Association	Sapling Well	16.6	6	51-80	N/A	Treated with sale 63-004-11-01 Cut in 2013			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		10	Sapling	2		Sugar Maple		Low	5 - 10 feet	Sapling
Red Oak		10	Log	10	90	Beech		Low	< 5 feet	Sapling
Bigtooth Aspen		50	Sapling	2	6	Ironwood		Low	5 - 10 feet	Sapling
Red Maple		20	Sapling	2						
Beech		10	Sapling	2						

52	4131 - Aspen, Oak	Poletimber Well	24.3	41	Unspecified	N/A	solid healthy aspen			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		10	Sapling/Pole	4		Sugar Maple		Medium	5 - 10 feet	Sapling
Red Maple		10	Pole	6		Beech		Medium	5 - 10 feet	Sapling
Red Oak		20	Pole	8		Ironwood		Low	5 - 10 feet	Sapling
Bigtooth Aspen		50	Pole	7	41	Witch Hazel		Medium	5 - 10 feet	Tall Shrub
Beech		10	Pole	7		Bigtooth Aspen		Medium	5 - 10 feet	Sapling

53	4111 - S.Maple, Hard Mast Association	Poletimber Well	55.3	81	81-110	N/A	good quality hardwoods Treated with 63-004-11-01 Cut in 2013			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		60	Pole/Log	8	81	Sugar Maple		Low	5 - 10 feet	Sapling
Red Maple		20	Pole	6		Beech		Low	5 - 10 feet	Sapling
Basswood		10	Log/Pole	12		Ironwood		Medium	< 5 feet	Sapling
Red Oak		10	Log/Pole	12		Red Maple		Low	5 - 10 feet	Sapling

54	4111 - S.Maple, Hard Mast Association	Poletimber Well	25.1	81	111-140	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		40	Pole/Log	8	81	Ironwood		High	5 - 10 feet	Sapling
Basswood		20	Log	10		Sugar Maple		Medium	5 - 10 feet	Sapling
Red Oak		10	Log/Pole	10		Beech		Low	5 - 10 feet	Sapling
Red Maple		20	Pole/Log	8		Red Maple		Low	5 - 10 feet	Sapling

55	4110 - Sugar Maple Association	Poletimber Well	140.4	86	51-80	N/A	Treated with sale 63-004-11-01 Cut in 2013			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		70	Pole/Log	9	86	Sugar Maple		Medium	5 - 10 feet	Sapling
Basswood		10	Log/Pole	12		Beech		Medium	5 - 10 feet	Sapling
Red Oak		10	Log	12		Ironwood		Medium	5 - 10 feet	Sapling
						Red Oak		Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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57 42201 - Natural White Pine, Mixed Deciduous Poletimber Well 6.9 66 81-110 N/A open grown wolfy white pine and oak small acreage treat with neighboring stand next time

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	20	Log	14		White Pine	Low	5 - 10 feet	Sapling
White Pine	60	Pole/Log	9	66	Beech	Low	5 - 10 feet	Sapling
Red Maple	20	Pole/Log	8					

58 4130 - Aspen Poletimber Well 19.1 36 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	6		Beech	Low	< 5 feet	Sapling
Bigtooth Aspen	70	Pole	6	36	White Pine	Low	< 5 feet	Sapling
Black Cherry	10	Sapling/Pole	4		Red Maple	Low	5 - 10 feet	Sapling
					Bigtooth Aspen	Low	5 - 10 feet	Sapling

59 4119 - Mixed Northern Hardwoods Sawtimber Well 114.1 86 111-140 N/A selection cut last time getting some regen

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Log/Pole	12	86	Sugar Maple	Low	< 5 feet	Sapling
Basswood	15	Log/Pole	10		Red Maple	Low	< 5 feet	Sapling
Beech	10	Log/Pole	10		Beech	Medium	< 5 feet	Sapling
Red Oak	35	Log	14		Ironwood	Full	< 5 feet	Sapling

60 4130 - Aspen Sapling Well 37.9 7 Immature N/A cut with sale 63-014-11-01

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Sapling	2	7	Northern Pin Oak	Low	5 - 10 feet	Sapling
Bigtooth Aspen	70	Sapling	2	7	White Pine	Low	< 5 feet	Sapling
Red Oak	10	Log/Pole	10		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
					Red Maple	Medium	< 5 feet	Sapling
					Bigtooth Aspen	Medium	< 5 feet	Sapling

61 4130 - Aspen Sapling Well 12.6 7 Immature N/A cut with sale 63-014-11-01

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Sapling	2	7	Northern Pin Oak	Low	5 - 10 feet	Sapling
Bigtooth Aspen	70	Sapling	2	7	White Pine	Low	< 5 feet	Sapling
Red Oak	10	Log/Pole	10		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
					Red Maple	Medium	< 5 feet	Sapling
					Bigtooth Aspen	Medium	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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62	6120 - Lowland Cedar	Sawtimber Well	2.4	101	111-140	N/A	This stand contains seeps and springs and should not be harvested.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Pole/Log	8	101	Northern Pin Oak	Low	5 - 10 feet	Sapling
Bigtooth Aspen	20	Log	10		White Pine	Low	< 5 feet	Sapling
White Pine	20	Log/Pole	10		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Red Maple	10	Pole	8		Red Maple	Medium	< 5 feet	Sapling
					Bigtooth Aspen	Medium	< 5 feet	Sapling