



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63121

Entry Year 2026

Acreage: 1,827

County Missaukee

Management Area: Cadillac Moraines

Stand Examiner: Matt Edison

Legal Description:

T24N R07W, Sections 13-18

Identified Planning Goals:

Vegetation management in the Cadillac Moraines Management Area (MA) 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 and jack pine regeneration as well as focusing on balancing the red pine age class structure and improving red pine quality through partial harvests. Expected trends within this 10-year planning period are increased recreational pressure, especially on the established trails and along the Manistee River and its tributaries; an increased wildland/urban interface and a need to restore barrens communities through prescribed fire; and invasive plant control.

Soil and topography:

Rubicon-Montcalm-Graycalm association: Nearly level to steep, well drained and somewhat excessively drained sandy soils on till plains and moraines. The steepest terrain is located in the parcels bordering Old-66 and in the southwest and northeast quarters of section 18 and the northwest and southwest quarters of section 17.

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

Most neighboring private lands are forested, some of which are large parcels. Desirable acquisitions would be the nwnw quarter of section 13 and the 315 acre parcel that would block in state ownership of section 16.

Unique Natural Features:

The compartment provides potential habitat for goshawk and eastern box turtle.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

No water or Fisheries concerns in compartment.

Wildlife Habitat Considerations:

Greater emphasis should be placed on promoting larger stands of older age and mixed age classes to provide diversity in vertical and horizontal structure in this compartment. Particularly given the potential for red-shouldered hawk. Generally, wildlife cover type goals are no net loss in aspen or oak acres, to protect mast bearing shrubs, to create brush piles adjacent to wetlands, to preferably leave retention in the form of islands or corridors, and to provide coarse woody debris. Featured species of special interest are deer, ruffed grouse, golden-winged warbler and pileated woodpecker. (E. Victory 7/18/14).

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial metallic mineral production in this part of the state. An active sand/gravel operation borders the compartment to the east, in Sec 13, and there may be some potential for additional sand & gravel within the compartment on the uplands. There has been past production from the Cannon Creek oil & gas field less than one mile east of the compartment. There may be some interest in revisiting the old field, as there is current leasing activity involving State-owned oil & gas rights within the east end of the compartment and to the north. However, this leasing activity has yet to translate into any well permitting in the area. Potential for future oil & gas development within the compartment is considered moderate at this time. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR. Also indicated are forest roads and trails under the jurisdiction of the DNR that are proposed for abandonment. These roads were determined to be in excess of the access needs in the area, are a threat to the resources, or are a concern environmentally.

Survey Needs:**Recreational Facilities and Opportunities:**

There are approximately 1.8 miles of snowmobile trail (trail #651) running through section 17 and 18, and 0.3 miles of North Missaukee ORV route in the Northwest corner of section 18. Trail protection specifications should be included in any timber sale which potentially impacts these recreational trails. Excellent ruffed grouse, deer, and mushroom hunting opportunities are provided within this compartment. (T.M.N. 3/14).

Fire Protection:

The fuels as managed in this compartment is conducive to moderate fire potential. Human activities in the area would add to fire ignition potential. Area has not had fire activities in recent past history. BET 4-14

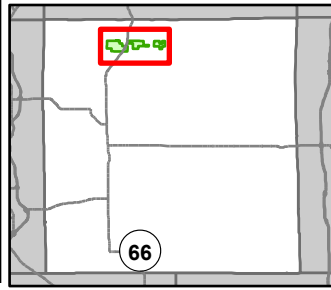
Additional Compartment Information:**The following reports from the Inventory are attached:**

- 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**

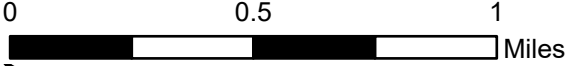
The following information is displayed, where pertinent, on the attached compartment maps:

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

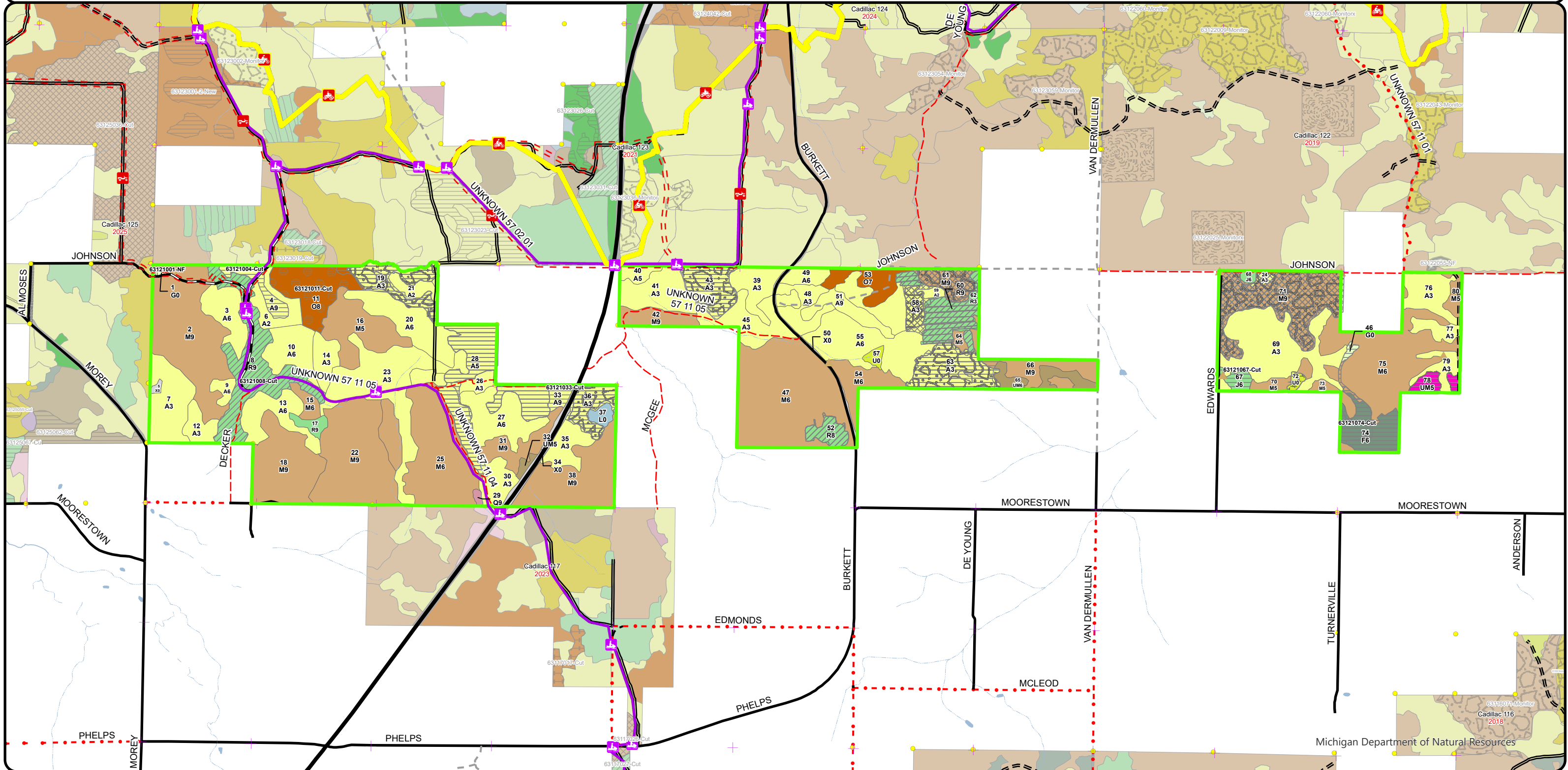
Cover Type & Treatments Map



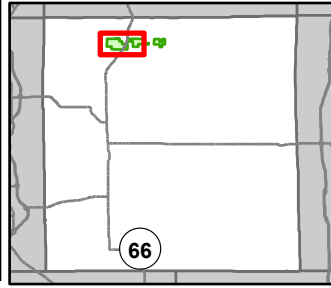
Compartment: 63121
 T24N, R7W, Sec: 13-18
 County: Missaukee
 Unit: Cadillac
 Mgmt Area: Cadillac Moraines
 YOE: 2026
 Acres: 1826.6 GIS Calculated
 Examiner: Matt Edison
 Map Revised: 7/19/2024
 Map Phase: Web Post



- | | | | | |
|--------------------------------|--|-------------------------------------|----------------------------------|-----------------------------------|
| ▲ Berms | == DNR - Forest Access Route | ■ Lakes and Rivers | ▨ Selection (Group, Single Tree) | ■ 612 - Lowland Coniferous Forest |
| ● Sign | — Federal / State Highway | — Pipeline | ▨ Regeneration Survey | ■ 110 - Low Intensity Urban |
| ● Survey Grade Corners | — Federal / State / County - Paved Road | ▭ Compartment Boundary | ▨ Other Treatment - See Comments | ■ 310 - Herbaceous Openland |
| ⊕ Remonumented Section Corners | - - - Federal / State - Dirt / Gravel Road | ▨ Counties | ▨ Other Treatment - See Comments | ■ 330 - Low Density Trees |
| 🚲 MCCCT Trails | - · - · County - Gravel Road | ▨ Clearcut (w/Reserves) | ■ **INCORRECT ATTRIBUTES** | ■ 411 - Northern Hardwood |
| 🚲 ORV Trails | - - - County - Dirt Road (Seasonal) | ▨ Patch/Strip Cut (Femelschlag) | ■ 412 - Oak Types | ■ 421 - Planted Pines |
| 🚲 ORV Routes | - - - Private - Dirt / Gravel Road | ▨ Thinning (Crown, Low, Systematic) | ■ 413 - Aspen Types | ■ 423 - Other Upland Conifers |
| 🚲 Snowmobile Trails | — Intermittent Stream | ▨ Clearcut (w/Reserves) | ■ 430 - Upland Mixed Forest | — Designated ORV Routes |
| — DNR - Primary Forest Road | — Lake/Pond | ▨ Thinning (Crown, Low, Systematic) | — Designated Snowmobile Trails | — Designated MCCCT Trails |
| — DNR - Secondary Forest Road | — Perennial River | | | |

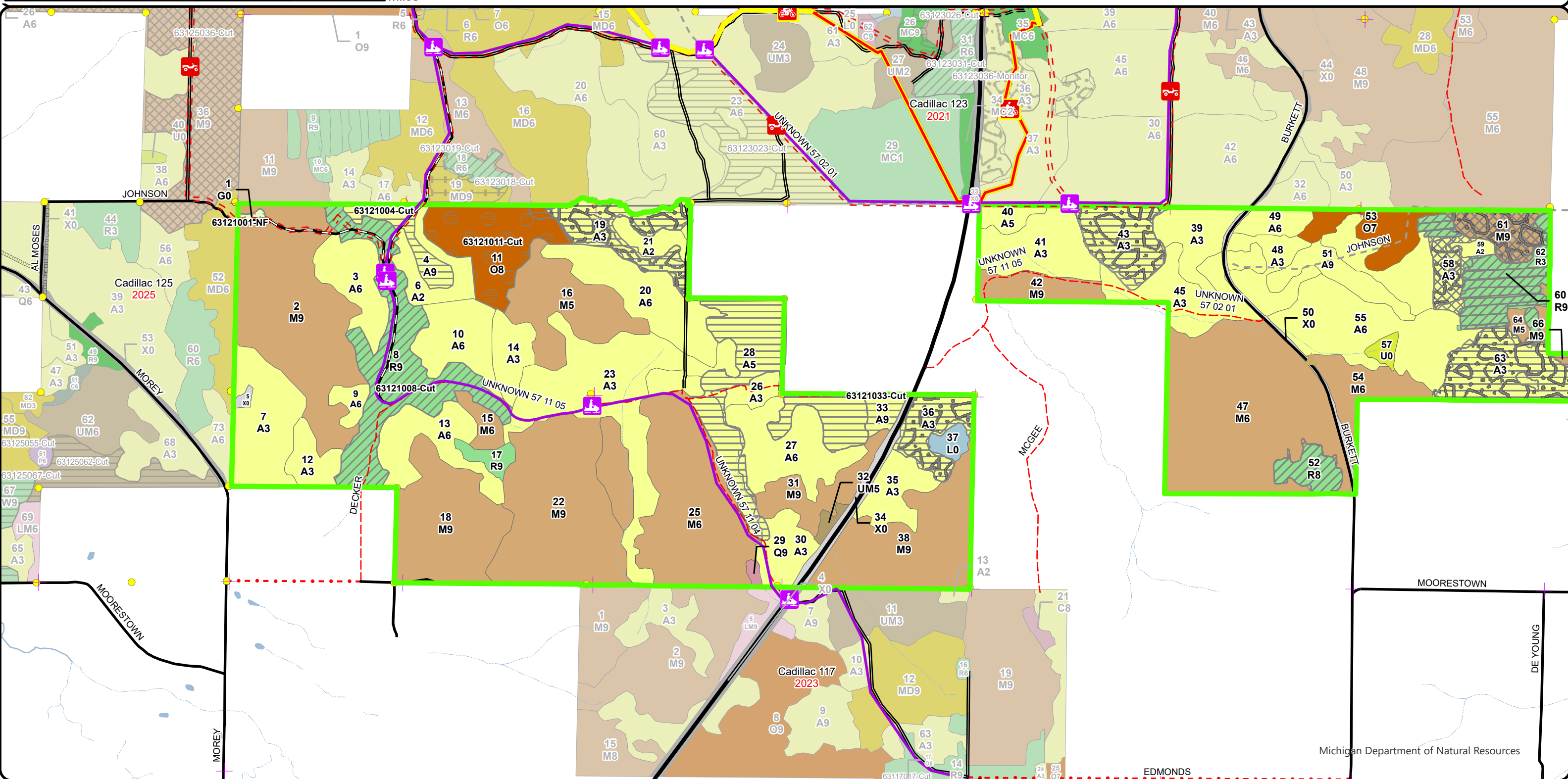


Cover Type & Treatments Map

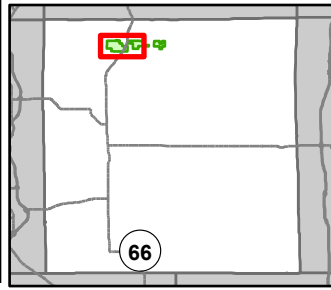


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Stand Boundary Map

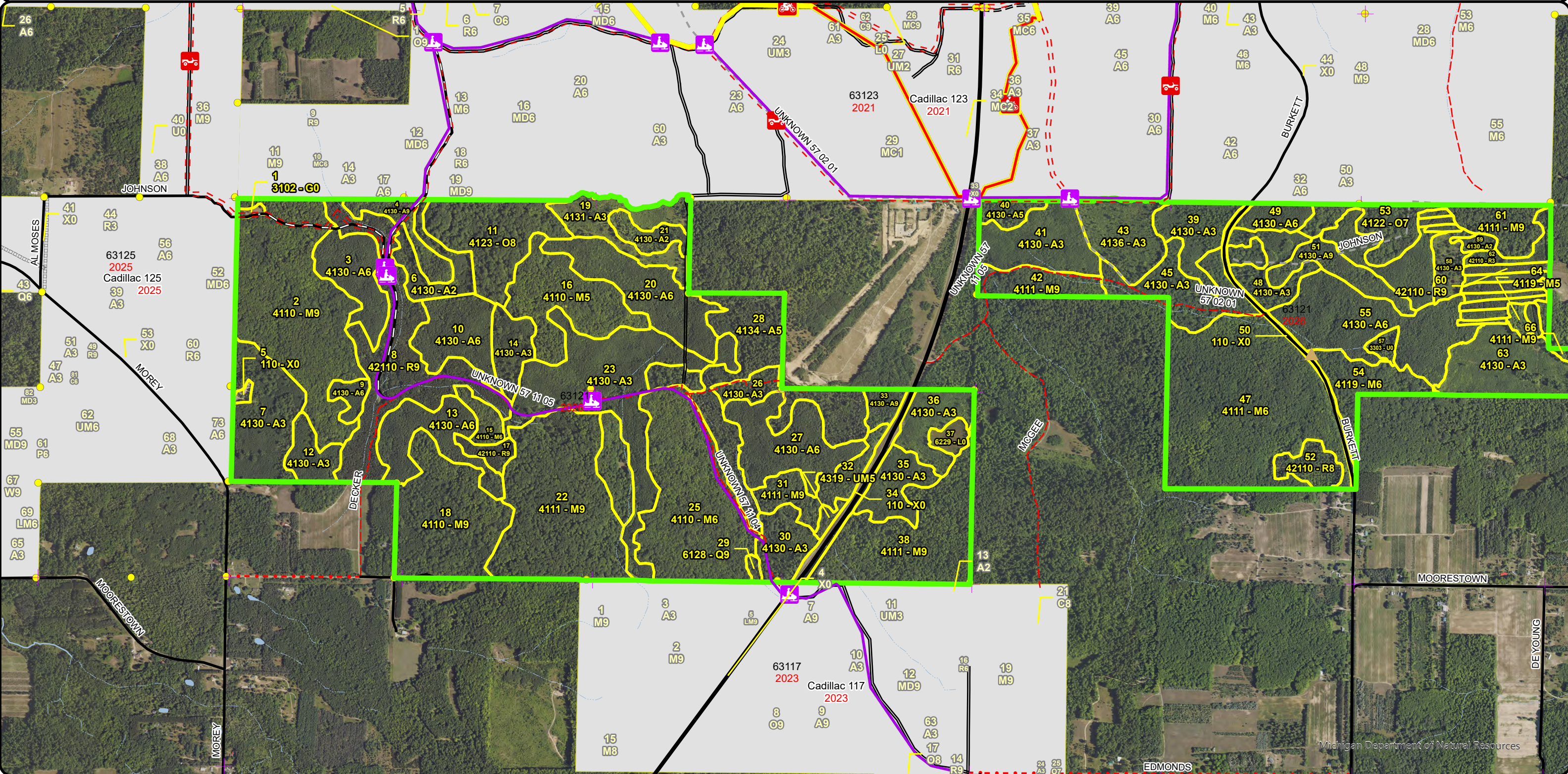
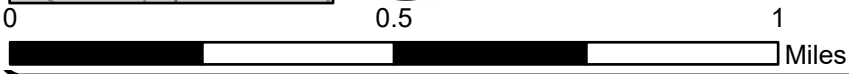


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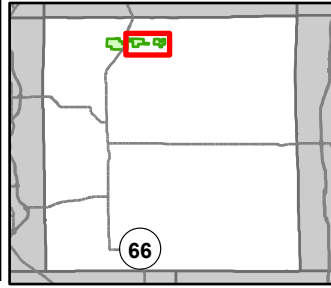
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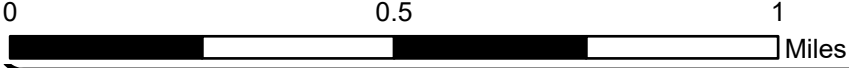
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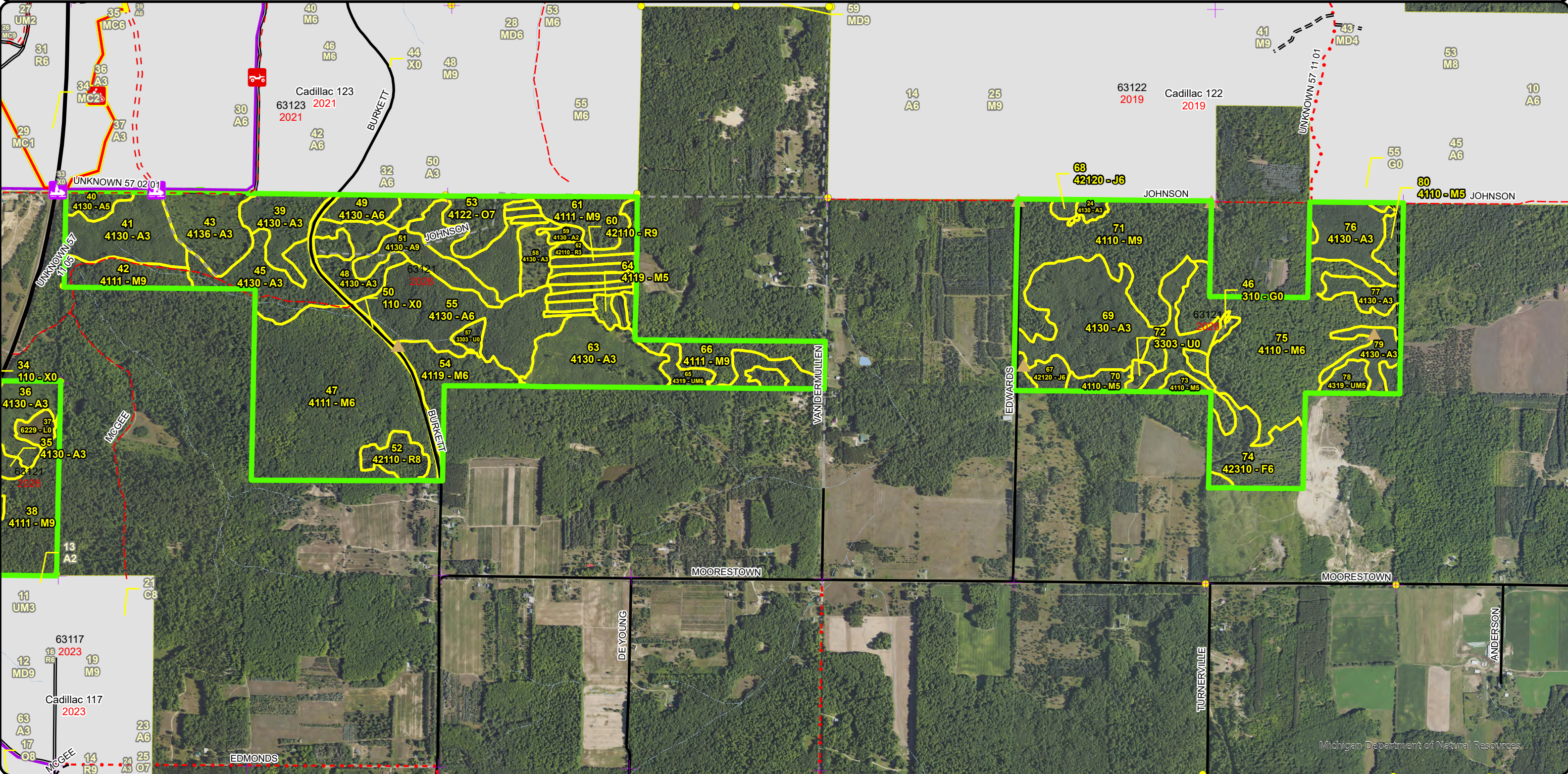
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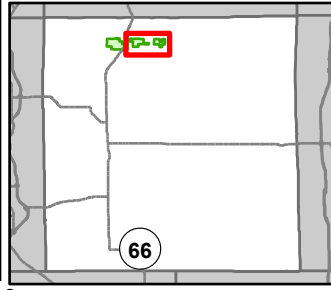
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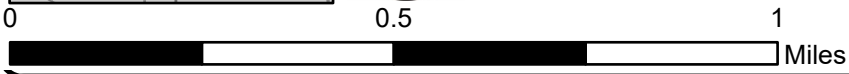
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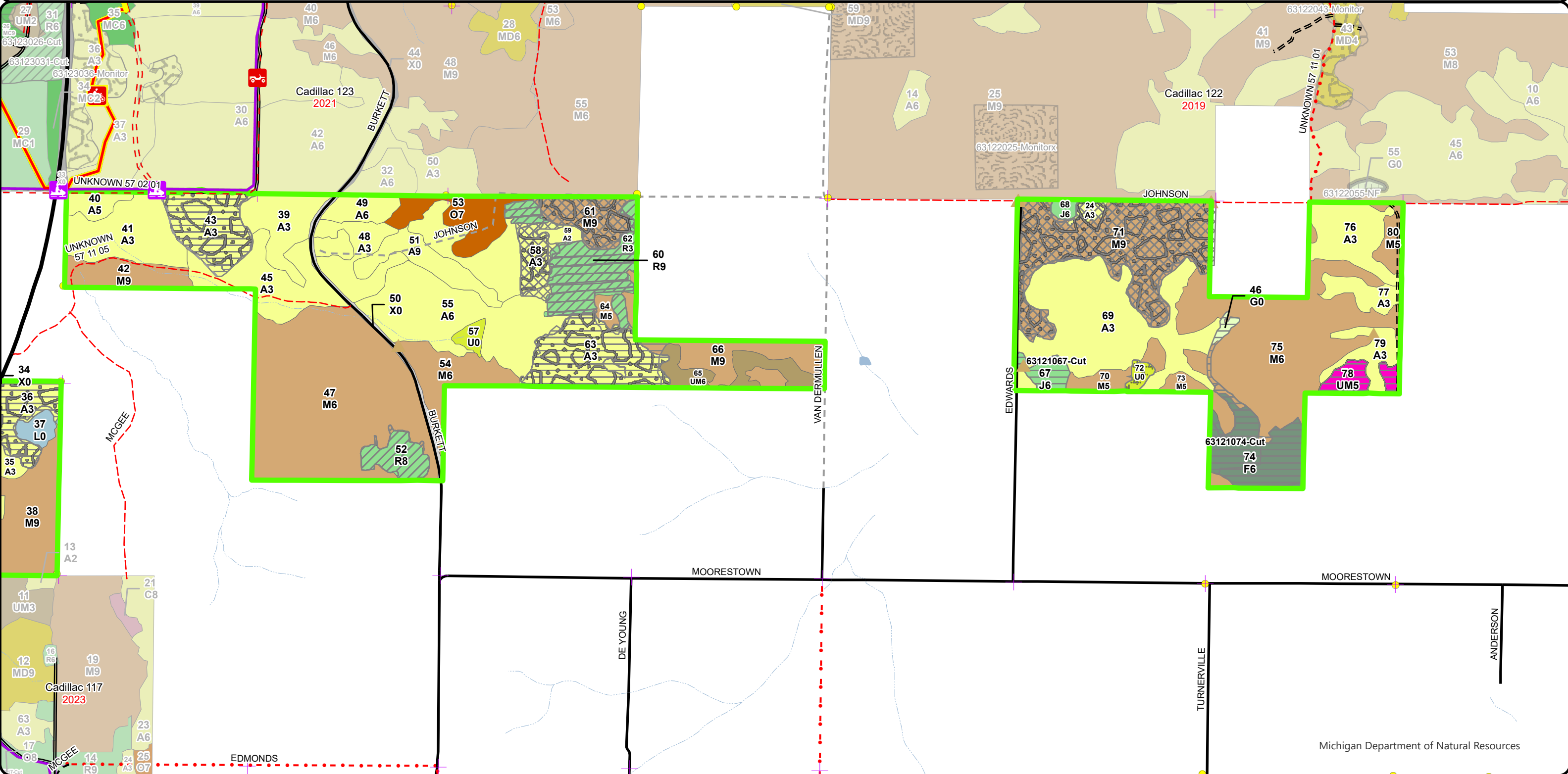
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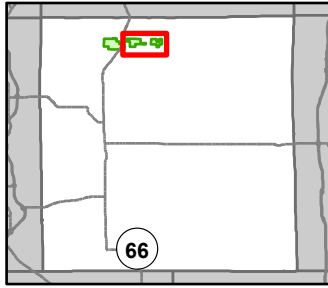


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Special Conservation Areas & Site Conditions Map

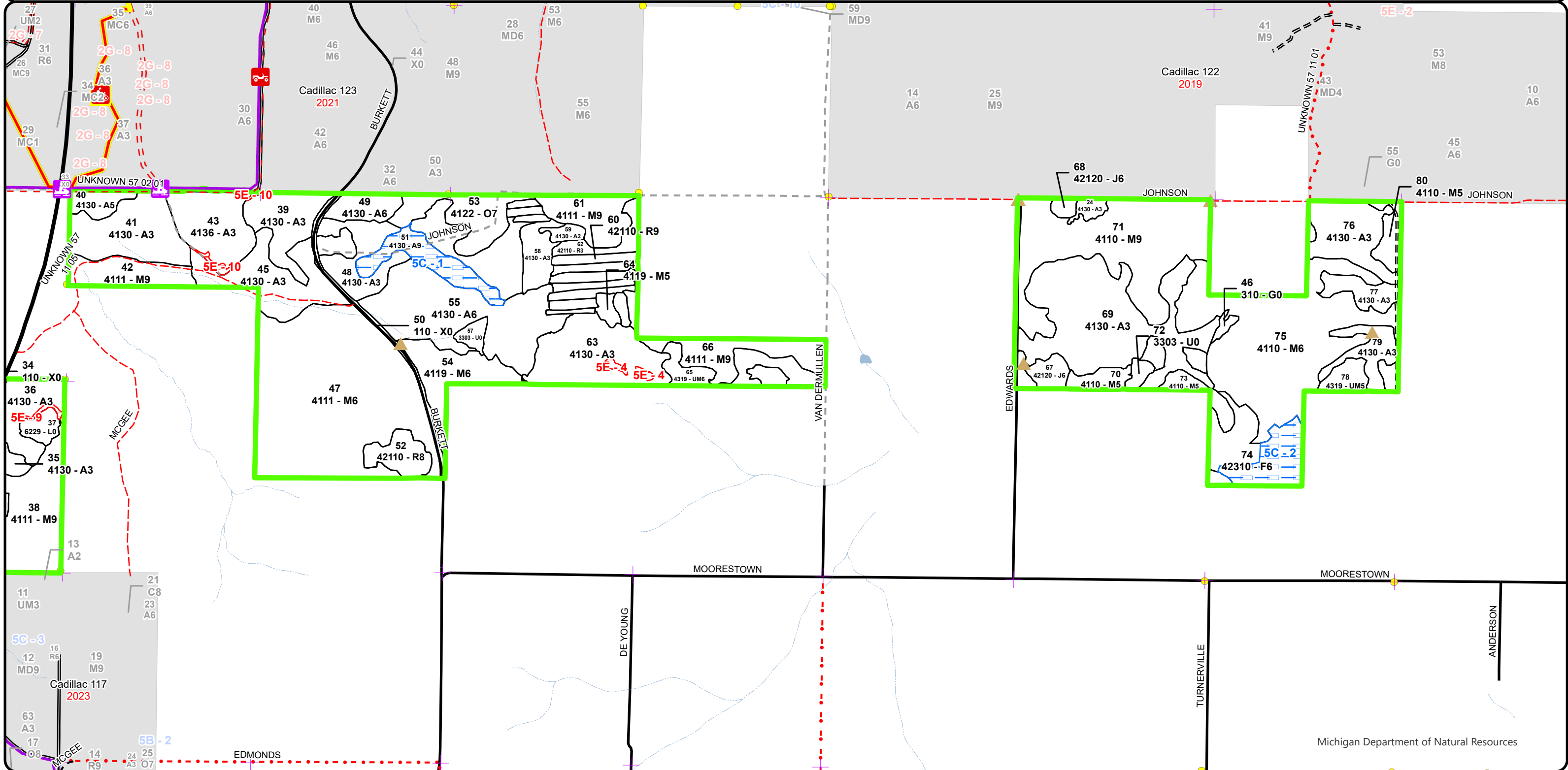
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- Counties
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Designated ORV Routes
- Designated Snowmobile Trails
- Designated MCCCT Trails



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+	Unseen-Aged	Total
Aspen	0	108	195	305	155	14	0	31	0	0	0	0	0	0	0	0	0	0	807
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Lowland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Northern Hardwood	0	0	0	0	0	0	5	184	242	181	159	0	0	0	0	0	0	0	771
Oak	0	0	0	0	0	0	0	18	0	0	37	0	0	0	0	0	0	0	55
Red Pine	0	0	0	18	0	0	0	87	0	0	0	0	0	0	0	0	0	0	105
Upland Mixed Forest	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	24
Upland Spruce/Fir	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	26
Urban	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Total	31	108	195	323	155	14	5	378	242	181	196	0	1	0	0	0	0	0	1828



Report 2 – Treatment Summary

Cadillac Mgt. Unit

Compartment 121

Year of Entry: 2026

Acres of Harvest

Total Compartment Acres: 1,827

Commercial Harvest - 131
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversory Removal	Salvage	Other	Total Acres
Aspen	17	0	0	0	0	0	0	0	0	17
Jack Pine	6	0	0	0	0	0	0	0	0	6
Oak	0	0	37	0	0	0	0	0	0	37
Red Pine	0	0	0	0	60	0	0	0	0	60
Upland Spruce/Fir	11	0	0	0	0	0	0	0	0	11
Total	34	0	37	0	60	0	0	0	0	131

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	131	0	0	0	0	0	0	0	1	132
Next Step	0	0	0	37	0	71	0	0	0	108
Total	131	0	0	37	0	71	0	0	1	240



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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Proposed Treatments:

1	63121001-NF	1.0	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	3102 - Grass		No
<p><u>Prescription</u> Maintain stand as non-forested herbaceous openland for wildlife habitat through various methods that may include mowing, tilling, planting, overseeding and brushing or targeted herbicide application.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></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 /2025</p>											
4	63121004-Cut	11.2	4130 - Aspen	Sawtimber Well	69	141- 170	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	No
<p><u>Prescription</u> Final harvest all deciduous trees down to a 2" diameter and any conifer down to 4" diameter. Do not cut white oak if present.</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> Any mix of Oak, Aspen, Maple, Birch, Cherry, Beech, Pine, Hemlock, or Cedar.</p> <p><u>Regen:</u></p> <p><u>Other</u> Add snowmobile trail protection specs and oak wilt specs.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
8	63121008-Cut	60.1	42110 - Planted Red Pine	Sawtimber Well	67	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin down to 110-120 BA to release crowns.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> 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 /2025</p>											



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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
11 63121011-Cut	36.9	4123 - Red Oak	Sawtimber Medium	97	81-110	Harvest	Strip/Patch/Gap Cut (Femelschlag)	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Femelschlag cut patch clearcuts across the stand to equal approx. 50% of the stand area. Cut all trees within each patch down to a 2" dia. <u>Specs:</u> Create 6-10 patches.</p> <p><u>Next Step</u> Burn, Understory; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of Oak, Aspen, Maple, Birch, Cherry, Beech, Pine, Hemlock, or Cedar <u>Regen:</u></p> <p><u>Other</u> Understory burn after harvest. Add stand 19 from adjacent compartment 123 to burn. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
33 63121033-Cut	5.6	4130 - Aspen	Sawtimber Well	67	111- 140	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Final harvest all deciduous trees down to a 2" diameter and any conifer down to 4" diameter. Do not cut white oak. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of Oak, Aspen, Maple, Birch, Cherry, Beech, Pine, Hemlock, or Cedar <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
67 63121067-Cut	5.8	42120 - Planted Jack Pine	Poletimber Well	63	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Final harvest all trees down to a 2" diameter. Leave any white oak and white pine if present. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Preferably jack pine, but any mix of Oak, Aspen, Maple, Birch, Cherry, Beech, Pine, Hemlock, or Cedar. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
74 63121074-Cut	11.3	42310 - Planted Spruce	Poletimber Well	67	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Final harvest all merchantable Do not cut any white pine, white oak, or black cherry. <u>Specs:</u> Mark to leave no more than 10 BA spruce</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of Spruce, Balsam, Oak, Aspen, Maple, Birch, Cherry, Beech, Pine, Hemlock, or Cedar <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										



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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
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Total Treatment
Acreage Proposed: 131.9

Report 4 – Site Conditions

Cadillac Mgt. Unit
Matt Edison : Examiner

Compartment: 121
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5C	5E
		With Condition	Not Available			
807	789	14	4	Aspen	14	4
2	2	0	0	Herbaceous Openland		
8	8	0	0	Jack Pine		
6	6	0	0	Low-Density Trees		
1	1	0	0	Lowland Conifers		
5	5	0	0	Lowland Shrub		
771	771	0	0	Northern Hardwood		
55	55	0	0	Oak		
105	105	0	0	Red Pine		
24	24	0	0	Upland Mixed Forest		
26	12	14	0	Upland Spruce/Fir	14	
18	18	0	0	Urban		
1,827	1,794	29	4	Total Forested Acres	29	4
	98%	2%	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	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Matt Edison : Examiner

Compartment: 121
Year of Entry: 2026

4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	1	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
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1	3102 - Grass	Nonstocked	1.0		Unspecified	No	
		Sub-Canopy Species		Density	Avg. Height	Size	
		Sugar Maple		Trace		Log	

2	4110 - Sugar Maple Association	Sawtimber Well	85.6	76	81-110	N/A	Good looking hardwood lots of saplings in the understory.
		Canopy Species		% Cover	Size Class	DBH	Age
		Sugar Maple		70	Log/Pole	10	76
		Red Maple		10	Log/Pole	10	
		Basswood		15	Log/Pole	12	
		Red Oak		5	Log/Pole	12	
		Sub-Canopy Species		Density	Avg. Height	Size	
		Red Maple		Low	5 - 10 feet	Sapling	
		Beech		Medium	5 - 10 feet	Sapling	
		Sugar Maple		Medium	10 - 20 feet	Sapling	
		Bigtooth Aspen		Low	10 - 20 feet	Sapling	
		Ironwood		Medium	10 - 20 feet	Sapling	

3	4130 - Aspen	Poletimber Well	21.0	37	111-140	N/A	Good looking aspen poles.
		Canopy Species		% Cover	Size Class	DBH	Age
		Sugar Maple		2	Pole	6	
		Red Oak		2	Pole	6	
		Bigtooth Aspen		22	Pole	7	
		White Pine		2	Pole	6	
		Black Cherry		2	Pole	5	
		Quaking Aspen		70	Pole/Sapling	7	37
		Sub-Canopy Species		Density	Avg. Height	Size	
		Sugar Maple		Low	10 - 20 feet	Sapling	
		Ironwood		Low	10 - 20 feet	Sapling	
		Red Oak		Low	10 - 20 feet	Sapling	
		Red Maple		Low	10 - 20 feet	Sapling	

4	4130 - Aspen	Sawtimber Well	11.2	69	141-170	N/A	Snowmobile trail passes thru stand. Avoid winter harvest Starting to fall down. Harvest this entry.
		Canopy Species		% Cover	Size Class	DBH	Age
		Red Maple		3	Pole/Log	8	
		Sugar Maple		2	Pole/Log	8	
		Bigtooth Aspen		80	Log/Pole	12	69
		Red Oak		15	Log/Pole	12	
		Sub-Canopy Species		Density	Avg. Height	Size	
		Sugar Maple		Low	5 - 10 feet	Sapling	
		Red Maple		Low	5 - 10 feet	Sapling	
		Red Oak		Low	10 - 20 feet	Sapling	
		Beech		Medium	5 - 10 feet	Sapling	

5	110 - Low Intensity Urban	Nonstocked	1.2		Immature	No	Old gravel pit
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6	4130 - Aspen	Sapling Medium	14.7	17	Immature	N/A	Young aspen regen
		Canopy Species		% Cover	Size Class	DBH	Age
		Red Oak		5	Sapling/Pole	4	
		Bigtooth Aspen		90	Sapling	2	17
		Red Maple		5	Sapling	2	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
7	4130 - Aspen	Sapling Well	33.9	17	Immature	N/A	Well stocked aspen regen stand. There are large oaks scattered throughout the stand. The aspen regen looks good.																																										
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8	42110 - Planted Red Pine	Sawtimber Well	60.1	67	141-170	N/A	Deciduous regen heavily browsed. Trace of red oak in canopy. Some areas higher BA than others. Thin this entry then decide whether we want RP MO going forward or convert.																																										
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9	4130 - Aspen	Poletimber Well	5.0	26	Immature	N/A	Good looking aspen regen.																																										
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11	4123 - Red Oak	Sawtimber Medium	36.9	97	81-110	N/A	Stand is mature oak with mixed understory.																																										
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12	4130 - Aspen	Sapling Well	10.6	26	Immature	N/A	Well stocked aspen regen stand. There is no oak in the over story but there are overstory oaks along the edges and ridge.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13 4130 - Aspen Poletimber Well 25.3 37 81-110 N/A Good looking aspen poles

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	3	Sapling	4	
Red Oak	3	Sapling	4	
Bigtooth Aspen	30	Pole	6	
Quaking Aspen	64	Pole/Sapling	6	37

14 4130 - Aspen Sapling Well 12.4 17 Immature N/A Aspen regen with mature oaks scatterd throughout the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	60	Sapling	3	17
Quaking Aspen	15	Sapling	3	
Red Maple	10	Sapling	3	
Red Oak	15	Log	14	

15 4110 - Sugar Maple Association Poletimber Well 6.3 61 81-110 N/A Small hardwood stand on decent slope. Relatively low ba.

Canopy Species	% Cover	Size Class	DBH	Age
Basswood	10	Log/Pole	10	
Red Oak	5	Log	12	
Bigtooth Aspen	5	Log	12	
Sugar Maple	70	Pole/Log	8	61
Red Maple	10	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	< 5 feet	Sapling
Black Cherry	Low	< 5 feet	Sapling
Ironwood	Low	5 - 10 feet	Sapling
Sugar Maple	Low	10 - 20 feet	Sapling

16 4110 - Sugar Maple Association Poletimber Medium 37.6 64 51-80 N/A Good looking hardwood pole stand. There will be some nice sugar maple saw logs here in the future.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	5	Pole/Log	8	
Sugar Maple	65	Pole/Sap/Log	8	64
Beech	10	Pole/Log/Sap	8	
Red Oak	5	Log/Pole	12	
Basswood	15	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	5 - 10 feet	Sapling
Beech	Medium	5 - 10 feet	Sapling
Ironwood	Low	10 - 20 feet	Sapling

17 42110 - Planted Red Pine Sawtimber Well 5.0 67 111-140 N/A RP. No treatment needed this entry. Fair amount of brush in understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	11	67

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	5 - 10 feet	Sapling
Red Maple	High	5 - 10 feet	Sapling

18 4110 - Sugar Maple Association Sawtimber Well 52.5 74 51-80 N/A Hardwood ridge thinned last entry period.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	15	Log	14	
Red Maple	5	Log/Pole	10	
Sugar Maple	65	Log/Pole	10	74
Basswood	15	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	10 - 20 feet	Sapling
Beech	Low	5 - 10 feet	Sapling
Sugar Maple	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
19	4131 - Aspen, Oak	Sapling Well	22.5	7	Immature	N/A	Stand was final harvested in 2018. Widely scattered mature oak left.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		30	Sapling	1	7	White Pine	
Bigtooth Aspen		70	Sapling	1	7	Density	
						Avg. Height	
						Size	
						10 - 20 feet	
						Sapling	
20	4130 - Aspen	Poletimber Well	35.0	37	81-110	N/A	Aspen poles, look good.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		5	Pole/Sapling	5		Red Maple	
Red Maple		5	Pole/Sapling	5		Density	
Quaking Aspen		10	Pole/Sapling	6		Avg. Height	
Bigtooth Aspen		80	Pole/Sapling	6	37	Size	
						5 - 10 feet	
						Sapling	
						Red Oak	
						Density	
						Avg. Height	
						Size	
						5 - 10 feet	
						Sapling	
21	4130 - Aspen	Sapling Medium	8.3	17	Immature	N/A	Aspen and oak regen. Scattered large oaks remain from previous stand.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		5	Sapling	2			
Quaking Aspen		20	Sapling	3			
Bigtooth Aspen		65	Sapling	3	17		
Red Oak		10	Sapling	1			
22	4111 - S.Maple, Hard Mast Association	Sawtimber Well	78.1	96	81-110	N/A	Good looking hardwood. Stand contains a good amount of oak. Lower end of BA range.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		55	Log/Pole	10	96	Red Maple	
Red Maple		10	Log/Pole	11		Density	
Red Oak		30	Log/Pole	12		Avg. Height	
Basswood		5	Pole/Log	9		Size	
						< 5 feet	
						Sapling	
						Beech	
						Density	
						Avg. Height	
						Size	
						< 5 feet	
						Sapling	
						Sugar Maple	
						Density	
						Avg. Height	
						Size	
						10 - 20 feet	
						Sapling	
						Ironwood	
						Density	
						Avg. Height	
						Size	
						< 5 feet	
						Sapling	
23	4130 - Aspen	Sapling Well	66.6	26	Immature	N/A	Aspen regen looks good at this time. Large oaks scattered throughout the stand.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Oak		10	Log	14			
Bigtooth Aspen		75	Sapling	4	26		
Quaking Aspen		15	Sapling	4			
24	4130 - Aspen	Sapling Well	2.7	7	Immature	N/A	Stand was aspen/ beech dominated area cut in 2017 as part of 63-043-16 "Pioneer Hardwood". New stand of scattered residual sapling/ pole sized maple within A3 regeneration. Raspberry along open edge.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		10	Pole/Sapling	5		Sugar Maple	
Red Maple		10	Sapling	3		Density	
Bigtooth Aspen		80	Sapling	1	7	Avg. Height	
						Size	
						10 - 20 feet	
						Sapling	
						Beech	
						Density	
						Avg. Height	
						Size	
						5 - 10 feet	
						Sapling	
						Red Maple	
						Density	
						Avg. Height	
						Size	
						5 - 10 feet	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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25 4110 - Sugar Maple Association Poletimber Well 82.0 83 81-110 N/A Good looking hardwood pole stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	Log/Pole	12		Sugar Maple	Low	10 - 20 feet	Sapling
Basswood	25	Pole/Log	9		Red Oak	Low	10 - 20 feet	Sapling
Red Maple	5	Pole/Log	9		Ironwood	Low	5 - 10 feet	Sapling
Sugar Maple	60	Pole/Log	8	83	Beech	Medium	5 - 10 feet	Sapling

26 4130 - Aspen Sapling Well 12.0 14 Immature N/A Aspen regen with mature oaks scattered throughout.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	Pole/Log	8		Beech	Low	< 5 feet	Sapling
Bigtooth Aspen	80	Sapling	2	14				
Red Maple	10	Sapling	2					

27 4130 - Aspen Poletimber Well 33.2 26 Immature N/A Good looking aspen regen. Lots of cottontail rabbit tracks.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	2	Sapling	3		Ironwood	Low	< 5 feet	Sapling
Red Maple	3	Sapling	4		Black Cherry	Low	5 - 10 feet	Sapling
Red Oak	5	Pole/Sapling	5					
Quaking Aspen	90	Pole/Sapling	5	26				

28 4134 - Aspen, Spruce/Fir Poletimber Medium 52.4 24 1-50 N/A The aspen regen that has sprouted in the pockets and in the cut strips looks very good. Trace of red oak and cherry scattered throughout the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	65	Pole/Sapling	6	24	Red Maple	Low	5 - 10 feet	Sapling
White Spruce	35	Pole/Log	8		Quaking Aspen	High	5 - 10 feet	Sapling

29 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 1.4 117 81-110 N/A Small pocket of hemlock and yellow birch with a trace of cedar there is also a small stream/spring in stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	8		Black Ash	Low	10 - 20 feet	Sapling
Yellow Birch	20	Log	11		Beech	Low	< 5 feet	Sapling
Red Oak	10	Log	14		Hemlock	Low	10 - 20 feet	Sapling
Hemlock	55	Pole	8	117	Red Maple	Low	5 - 10 feet	Sapling
White Pine	10	Log/XLog	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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30 4130 - Aspen Sapling Well 15.0 17 Immature N/A Regenerating aspen stand looks good at this time.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	7	Log/Pole	12	
Quaking Aspen	20	Sapling	2	
Bigtooth Aspen	58	Sapling	2	17
Sugar Maple	3	Sapling	1	
White Pine	2	Pole	6	
Red Maple	10	Sapling	1	

31 4111 - S.Maple, Hard Mast Association Sawtimber Well 18.3 84 51-80 N/A Good looking hardwood stand. Was thinned last rotation good regeneration present.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	10	Log/Pole	10		Ironwood	High	5 - 10 feet	Sapling
Beech	5	Pole	8		Red Oak	Low	10 - 20 feet	Sapling
Red Oak	30	Log	14		Sugar Maple	Low	10 - 20 feet	Sapling
Sugar Maple	50	Log/Pole	10	84	Beech	High	5 - 10 feet	Sapling
White Ash	5	Log/Pole	10		Red Maple	Low	5 - 10 feet	Sapling

32 4319 - Mixed Upland Forest Poletimber Medium 2.3 67 51-80 N/A This is a planted pocket of white spruce with scattered large red oaks.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	35	Log/Pole	12		Red Maple	Low	10 - 20 feet	Sapling
White Spruce	55	Pole	6	67	White Spruce	Medium	10 - 20 feet	Sapling
Red Maple	10	Pole/Log	8		Red Oak	Low	10 - 20 feet	Sapling

33 4130 - Aspen Sawtimber Well 5.6 67 111-140 N/A Rifle range borders north edge of stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	2	Pole	6		Red Maple	Low	< 5 feet	Sapling
Bigtooth Aspen	90	Log/Pole	10	67	Red Oak	Low	< 5 feet	Sapling
Red Maple	8	Pole/Log	8		Beech	Low	< 5 feet	Sapling

34 110 - Low Intensity Urban Nonstocked 10.3 No

35 4130 - Aspen Sapling Well 15.4 17 Immature N/A Good looking aspen regen with mature oaks scattered throughout stand.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	90	Sapling	2	17
Red Oak	5	Log	10	
Red Maple	5	Sapling	1	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
36	4130 - Aspen	Sapling Well	17.0	7	Immature	N/A	Stand was final harvested in 2018. Retention pocket mapped on wet edge.																																																		
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Red Oak	5	Sapling	1																																																						
Bigtooth Aspen	85	Sapling	1	7																																																					
Red Maple	10	Sapling	1																																																						
37	6229 - Mixed lowland shrub	Nonstocked	4.6			No	grass on edge some lab tea visible																																																		
38	4111 - S.Maple, Hard Mast Association	Sawtimber Well	54.9	87	81-110	N/A	Stand is on lower end of BA range. Some decent oak. Decent advanced regen. throughout.																																																		
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39	4130 - Aspen	Sapling Well	17.7	17	Immature	N/A	Aspen regen with mature oaks scattered throughout. Cut as part of sale 63-027-06 "roadside Ridge".																																																		
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40	4130 - Aspen	Poletimber Medium	6.1	42	81-110	N/A	This is a well-stocked aspen pole stand with some scattered oaks present. Good healthy stand in area of heavy cutting. Let this stand go for now.																																																		
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41	4130 - Aspen	Sapling Well	27.4	17	Immature	N/A	This stand was harvested last rotation and is regenerating nicely.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
42	4111 - S.Maple, Hard Mast Association	Sawtimber Well	14.5	71	81-110	N/A	Large trees on the west end of the stand. This area also contains seeps the seasonally flood out the nearby road.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Beech		10	Log/Pole	10		Beech	
White Ash		2	Log/Pole	10		Ironwood	
Red Oak		3	Log	14		Sugar Maple	
Sugar Maple		65	Log/Pole/XLog	14	71	Density	
Hemlock		10	Pole/Log	8		Avg. Height	
Basswood		10	Pole/Log	10		Size	
43	4136 - Aspen, Mixed Conifer	Sapling Well	23.5	7	Immature	N/A	Stand final harvested in 2018, small pine and some larger pine left. Advanced oak was worked around as well.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		8	Sapling	1		Red Maple	
Red Oak		10	Sapling	4		Common Blackberry	
Quaking Aspen		10	Sapling	1		Beech	
Bigtooth Aspen		52	Sapling	1	7	Density	
White Pine		10	Log	10		Avg. Height	
Red Pine		5	Log	14		Size	
Hemlock		5	Log/Pole	12			
45	4130 - Aspen	Sapling Well	50.3	27	Immature	N/A	Aspen regen with mature oaks scattered throughout. Stand was cut as part of #63-049-96 "Break-Up Aspen".
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		10	Sapling	3		Red Maple	
Bigtooth Aspen		70	Sapling	3	27	Common Blackberry	
Red Oak		15	Log/Pole	12		Beech	
Red Maple		5	Sapling	3		Density	
46	310 - Herbaceous Openland	Nonstocked	1.4	0	Unspecified	No	Pockets of mortality from bark beetles after last thinning. There is a trace of deciduous trees present less than 2%. Maple, cherry and some aspen.
47	4111 - S.Maple, Hard Mast Association	Poletimber Well	109.1	66	81-110	N/A	Nic hardwoods. Basal Area is borderline. Check in 10 years.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Log	8		Ironwood	
Basswood		15	Log/Pole	9		Beech	
Beech		5	Pole/Log/Sap	6		Blackberry/Raspberry	
Red Oak		10	Log	16		Sugar Maple	
White Ash		5	Log/Pole	12		White Ash	
Sugar Maple		55	Pole/Log	8	66	Density	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
48	4130 - Aspen	Sapling Well	16.4	13	Immature	N/A	Aspen regen with mature oaks scattered and older aspen present in retention pockets.																																					
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49	4130 - Aspen	Poletimber Well	8.0	42	111-140	N/A	Good looking aspen poles.																																					
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50	110 - Low Intensity Urban	Nonstocked	6.4			No																																						
51	4130 - Aspen	Sawtimber Well	14.4	66	141-170	N/A	very nice high-quality aspen. This stand is the only mature stand in the general surrounding area. Leave this stand 10 more years and consider final harvest then. Despite the stand age, it is in great shape and will hold.																																					
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52	42110 - Planted Red Pine	Sawtimber Medium	9.5	67	1-50	N/A	Stand shelter wood/seed tree cut in 2018. Good thick mixed regeneration underneath. Leave the overstory permanently as seed source and diversity.																																					
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53	4122 - Oak, Pine	Sawtimber Poor	17.6	67	1-50	N/A	Fairly open pine oak mix surrounded by young aspen. Hold and check in 10.																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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54	4119 - Mixed Northern Hardwoods	Poletimber Well	19.5	63	51-80	N/A	Oak is mainly grouped on the ridges. Good looking pole stand will not need a treatment this entry period.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	25	Log	16	
Sugar Maple	54	Pole	8	63
Red Maple	15	Pole	8	
Yellow Birch	2	Log	12	
White Ash	2	Pole	8	
Beech	2	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	10 - 20 feet	Sapling
Ironwood	Low	10 - 20 feet	Sapling
Sugar Maple	Low	10 - 20 feet	Sapling

55	4130 - Aspen	Poletimber Well	50.5	33	111-140	N/A	Aspen pole stand heavier to big tooth on the east end. Check in 10.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	7	Pole	5	
Red Oak	10	Pole/Log	8	
Bigtooth Aspen	45	Pole	6	33
Black Cherry	3	Pole	5	
Quaking Aspen	35	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Maple Leaved Viburnum	Low	< 5 feet	Tall Shrub
Beech	Low	< 5 feet	Sapling
Red Maple	Low	< 5 feet	Sapling

57	3303 - Mixed Low Density Trees	Nonstocked	3.1			No	Stand swapped from Forested to Non-Forested. Tag alder with cattails in pockets. Trees concentrated along edges.
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Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low		Log
White Pine	Trace		Log
Northern White Cedar	Trace		Pole
Yellow Birch	Trace		Pole
Tag Alder	High		Tall Shrub

58	4130 - Aspen	Sapling Well	8.8	4	Immature	N/A	Small stand was cut in 2020. Scattered Oak were left. Access came through red pine strip to east.
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	90	Sapling	1	4
Red Oak	10	Log	14	87

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	< 5 feet	Sapling
Red Oak	Low	< 5 feet	Sapling
Ironwood	Low	5 - 10 feet	Sapling
Red Maple	Medium	< 5 feet	Sapling

59	4130 - Aspen	Sapling Medium	2.5	13	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Sapling	2	
Bigtooth Aspen	70	Sapling	2	13
Red Oak	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	< 5 feet	Sapling
Beech	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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60	42110 - Planted Red Pine	Sawtimber Well	12.2	67	81-110	N/A	Stand was last thinned in 2018.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	2	Log	12		Red Oak	Low	5 - 10 feet	Sapling
Red Pine	98	Log/Pole	10	67	Beech	Medium	5 - 10 feet	Sapling

61	4111 - S.Maple, Hard Mast Association	Sawtimber Well	14.8	98	51-80	N/A	Stand was thinned in 2020. Short wood operation. Aspen was taken by spec, few clones in far west edge.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	65	Log	13	98	Red Maple	Low	5 - 10 feet	Sapling
Basswood	10	Log	13		Ironwood	Low	5 - 10 feet	Sapling
Red Oak	20	Log	15		Beech	High	5 - 10 feet	Sapling
Red Maple	5	Log	13		Sugar Maple	Low	5 - 10 feet	Sapling

62	42110 - Planted Red Pine	Sapling Well	18.0	27	Immature	N/A	Red Pine saplings approximately 20ft tall. oak saplings mixed in sporadically.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	80	Sapling	3	27	Beech	Low	< 5 feet	Sapling
Jack Pine	15	Sapling/Pole	4					
Red Oak	5	Sapling	2					

63	4130 - Aspen	Sapling Well	33.4	7	Immature	N/A	Stand was final harvested in 2018. Retention island left.
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	45	Sapling	1	7
Quaking Aspen	35	Sapling	1	
Red Oak	10	Sapling	1	
Red Maple	10	Sapling	1	

64	4119 - Mixed Northern Hardwoods	Poletimber Medium	4.7	83	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Pole	8		Sugar Maple	Low	< 5 feet	Sapling
Beech	15	Log/Pole	10		Red Maple	Low	< 5 feet	Sapling
Bigtooth Aspen	5	Pole	8		Beech	Medium	< 5 feet	Sapling
Basswood	5	Log/Pole	10		Ironwood	Low	< 5 feet	Sapling
Red Oak	25	Log	14					
Red Maple	30	Pole	8	83				

65	4319 - Mixed Upland Forest	Poletimber Well	14.0	62	111-140	N/A	Whit pine has thinned in past entry. Stand is now almost 50/50 hardwood and white pine. Plenty of room to grow.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	45	Pole	8	62	Red Maple	Low	< 5 feet	Sapling
Red Oak	10	Pole	7		Beech	Low	5 - 10 feet	Sapling
Red Maple	45	Pole	8		Aspen (spp.)	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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66 4111 - S.Maple, Hard Mast Association Sawtimber Well 20.8 81 81-110 N/A This stand was thinned last rotation and looks good.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole	8		Ironwood	Low	< 5 feet	Sapling
Beech	15	Log	10		Beech	High	10 - 20 feet	Sapling
Basswood	15	Log	10		Red Maple	Low	5 - 10 feet	Sapling
Red Oak	5	Pole	7		Sugar Maple	Low	5 - 10 feet	Sapling
Sugar Maple	45	Log	10	81				

67 42120 - Planted Jack Pine Poletimber Well 5.8 63 81-110 N/A The understory of this stand is thick with hardwood whips.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	100	Pole/Log	8	63	Red Maple	Medium	10 - 20 feet	Sapling
					Beech	Medium	5 - 10 feet	Sapling
					Sugar Maple	Medium	10 - 20 feet	Sapling
					Quaking Aspen	Low	5 - 10 feet	Sapling

68 42120 - Planted Jack Pine Poletimber Well 2.0 63 141-170 N/A treat w 68

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	100	Pole/Log	9	63	Beech	Medium	5 - 10 feet	Sapling
					Red Maple	Low	5 - 10 feet	Sapling
					Ironwood	Low	5 - 10 feet	Sapling
					Sugar Maple	Medium	10 - 20 feet	Sapling

69 4130 - Aspen Sapling Well 66.2 24 Immature N/A Good looking aspen regen

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Sapling	2	
Bigtooth Aspen	20	Sapling	4	
Quaking Aspen	60	Sapling	4	24
Black Cherry	5	Sapling	2	
Red Maple	10	Sapling	3	

70 4110 - Sugar Maple Association Poletimber Medium 5.1 59 51-80 N/A This stand was thinned last rotation no management needed at this time.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	10	Log	10		Black Cherry	Low	< 5 feet	Sapling
Basswood	15	Pole/Log	8		Beech	Medium	< 5 feet	Sapling
Red Maple	3	Pole/Log/Sap	8		Ironwood	Low	5 - 10 feet	Sapling
Yellow Birch	2	Log	14		Sugar Maple	Low	< 5 feet	Sapling
Sugar Maple	70	Pole/Log/Sap	8	59				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
71	4110 - Sugar Maple Association	Sawtimber Well	66.0	97	51-80	N/A	Good looking hardwood, the BA is variable depending on location within the stand. STAND was marked thinned in summer 2017. Sale was a short wood operation. Regen variable. Lits of raspberry.																																																														
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73	4110 - Sugar Maple Association	Poletimber Medium	11.2	66	51-80	N/A	This stand was thinned last rotation no management needed at this time.																																																														
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74	42310 - Planted Spruce	Poletimber Well	26.2	67	81-110	N/A	Stand is what is left of planted spruce. There are areas of high mortality. There is aspen, white pine and some hardwood mix. Harvest the northern half of this stand as it has the most spruce remaining. Leave all white pine and black cherry, as well as any white oak if present. Leave a few solid white spruce as diversity. Leave the south half of stand as it is deteriorated and let it convert naturally.																																																														
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75	4110 - Sugar Maple Association	Poletimber Well	83.2	73	81-110	N/A	This stand was thinned last rotation. There are a lot of beech whips coming up in the understory. BA on low end of range. Very open.																																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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76	4130 - Aspen	Sapling Well	20.6	24	Immature	N/A	Aspen regen looking good																									
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77	4130 - Aspen	Sapling Well	8.1	13	Immature	N/A	Nice A3.																									
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78	4319 - Mixed Upland Forest	Poletimber Medium	7.6	67	51-80	N/A	This stand was row thinned two entries ago. There are areas of heavy mortality. The strips that were removed are filling in nicely with aspen. Not enough spruce left to warrant destroying residual aspen if harvested. Leave this stand be as a good diverse stand with upland spruce component. Wait until aspen matures to consider treatment.																																				
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79	4130 - Aspen	Sapling Well	10.4	13	Immature	N/A	Nice A3																				
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80	4110 - Sugar Maple Association	Poletimber Medium	6.4	73	51-80	N/A	Up and coming mixed hardwood.																																				
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