



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63084

Entry Year 2025

Acreage: 1,930

County Missaukee

Management Area: High Sand Plains

Stand Examiner: Matt Edison

Legal Description:

T24N R5W Sections 25, 26, 27

Identified Planning Goals:

Limit development and motorized use of the area and manage towards a wildlife and wetland emphasis. Maintain a variety of cover types and age classes

Soil and topography:

Croswell Sand, Tawas Mucky Peat, Roscommon Mucky Sand and AuGres Loamy Sand. Flat, damp to wet lowland area; for the most part inaccessible to vehicle traffic

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

This compartment is in the Deadstream Swamp Natural Landmark boundary and is all state ownership. The Deadstream Swamp is dedicated under the Natural Heritage Act and the DNR's NRC. Manage towards a wildlife and wetland emphasis. Hunting and trapping are popular activities in this compartment.

Unique Natural Features:

A portion of the Deadstream Swamp is located in the eastern portion of this compartment. The Deadstream and Willow Run creek run through the compartment.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

As mentioned above, limit development and manage toward wildlife and wetland emphasis. The Deadstream Swamp is one of the largest northern white cedar swamps in the US. It was designated a National Landmark in January 1976. It is also the largest deer yard in the Lower Peninsula. Rules governing the dedicated lands include:

- a) All motorized land equipment shall be confined to public roads, and to department designated interior roads.
- b) The launching of motor driven boats from state-owned land shall be limited to those using 7-1/2 brake horsepower or less

Watershed and Fisheries Considerations:

The Deadstream flows through Compartment 84. The Deadstream is a Designated Trout Stream with a reputation for producing large brook trout. It has also been severely degraded by beaver damming in the past. Appropriate buffers to discourage beaver dams in trout streams are recommended. (R. O'Neal, 8/24/2013).

Wildlife Habitat Considerations:

Compartment is exclusively State Game Fund purchased less 160 acres.

This compartment is located within the Highplains Ecosystem, Grayling Outwash Plain Subsection, LTA 5149. The surrounding landscape is primarily forested but includes pockets of openlands. Historically, this area was composed of a matrix of emergent wetlands, lowland conifer swamp, and mesic northern forest. Presently, this area is composed of mixed lowland conifer and emergent wetlands in lowland areas and mixed hardwoods and aspen in upland areas. The Deadstream Swamp is a core black bear area and the largest deer wintering area in the Lower Peninsula. Wildlife habitat objectives for this compartment are to continue to manage for high structural diversity within stands and age class diversity across the compartment in those areas where treatments can be conducted. Featured species of special interest are bear, deer, turkey, beaver, woodcock, ruffed grouse, golden-winged warbler and snowshoe hare. (E. Victory, 8/21/13)

Mineral Resource and Development Concerns and/or Restrictions

Sections 25 - 27, T24N-R5W, Missaukee County

Surface sediments consist of peat and muck. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan Formation is quarried for gypsum in other areas of the

State. A gravel pit is located in Section 13 to the north, but gravel potential appears to be limited. East Norwich Field is located one mile north of this compartment. The field has produced over 15.9 million BO and 15.7 Bcf gas from the Devonian Richfield Formation. It is in secondary recovery operations currently. The entire Compartment is leased for oil and gas development. (T. Hoane, 3/6/2013).

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 closure. 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:

None needed at this time.

Recreational Facilities and Opportunities:

There are no developed recreational facilities within this compartment. Recreational opportunities are naturalistic-including hunting, trapping, hiking, berry & mushroom gathering (T.M.N. 7/8/13)

Fire Protection:

Access is very limited within this compartment. There is no private property and few ways for the public to access the lands. Very few fires have been responded to due the fuel type. In a drought year, the fuels could present a challenge of suppression, due the muck and peat soils. (B. Tower, 2013).

Additional Compartment Information:

The following reports from the Inventory are attached:

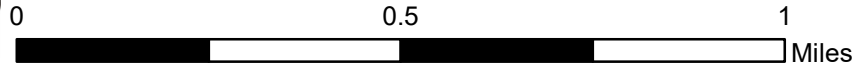
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

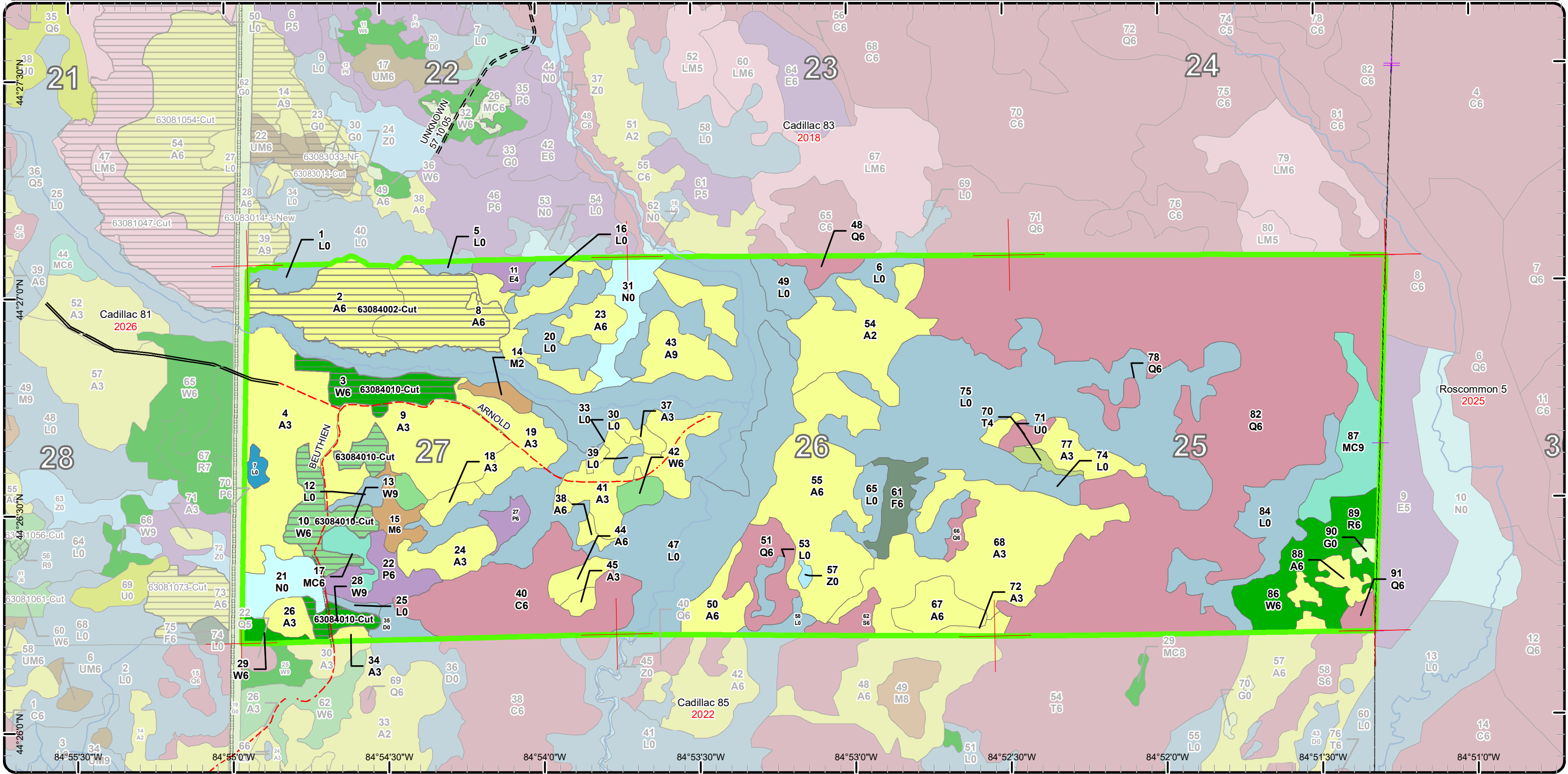
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

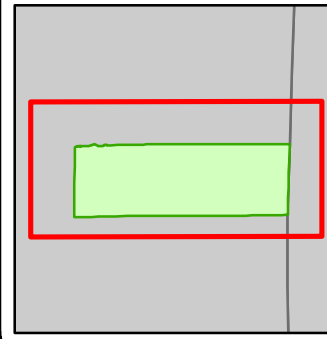
Compartment: 84
 T24N-R05W Sec.25,26,27
 County: Missaukee
 Unit: Cadillac
 Mgmt Area: High Sand Plains
 YOE: 2025
 Acres: 1929.9 GIS Calculated
 Examiner: Matt Edison
 Map Revised: 10/19/2023
 Map Phase: Post-Maps



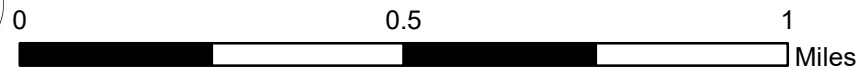
- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Dirt Road (Seasonal)
- Perennial River
- Pipeline
- Compartment Boundary
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



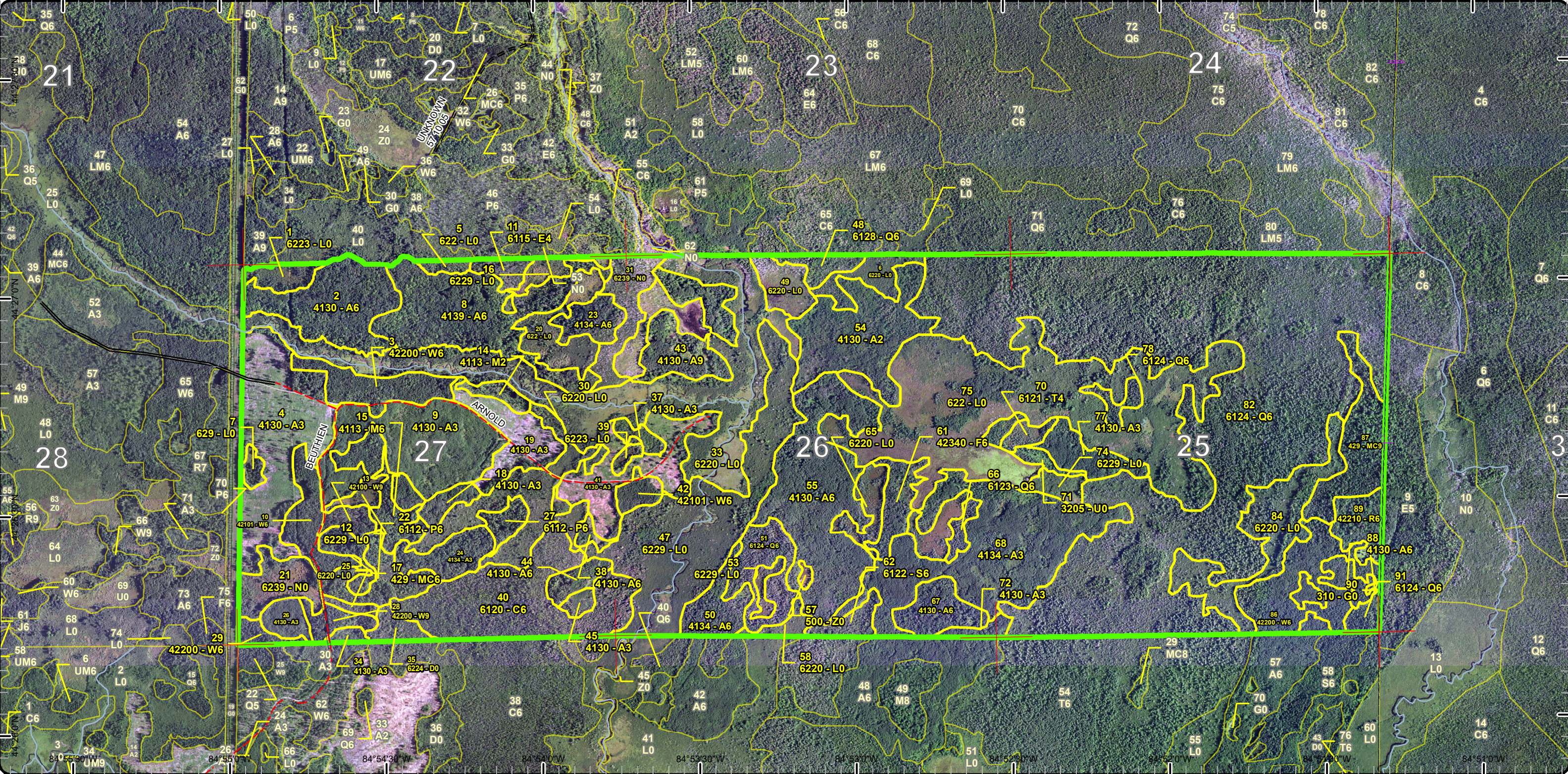
Stand Boundary Map



Compartment: 84
T24N-R05W Sec.25,26,27
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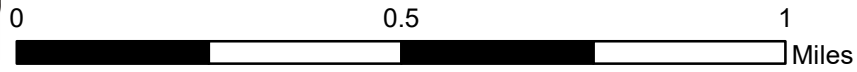


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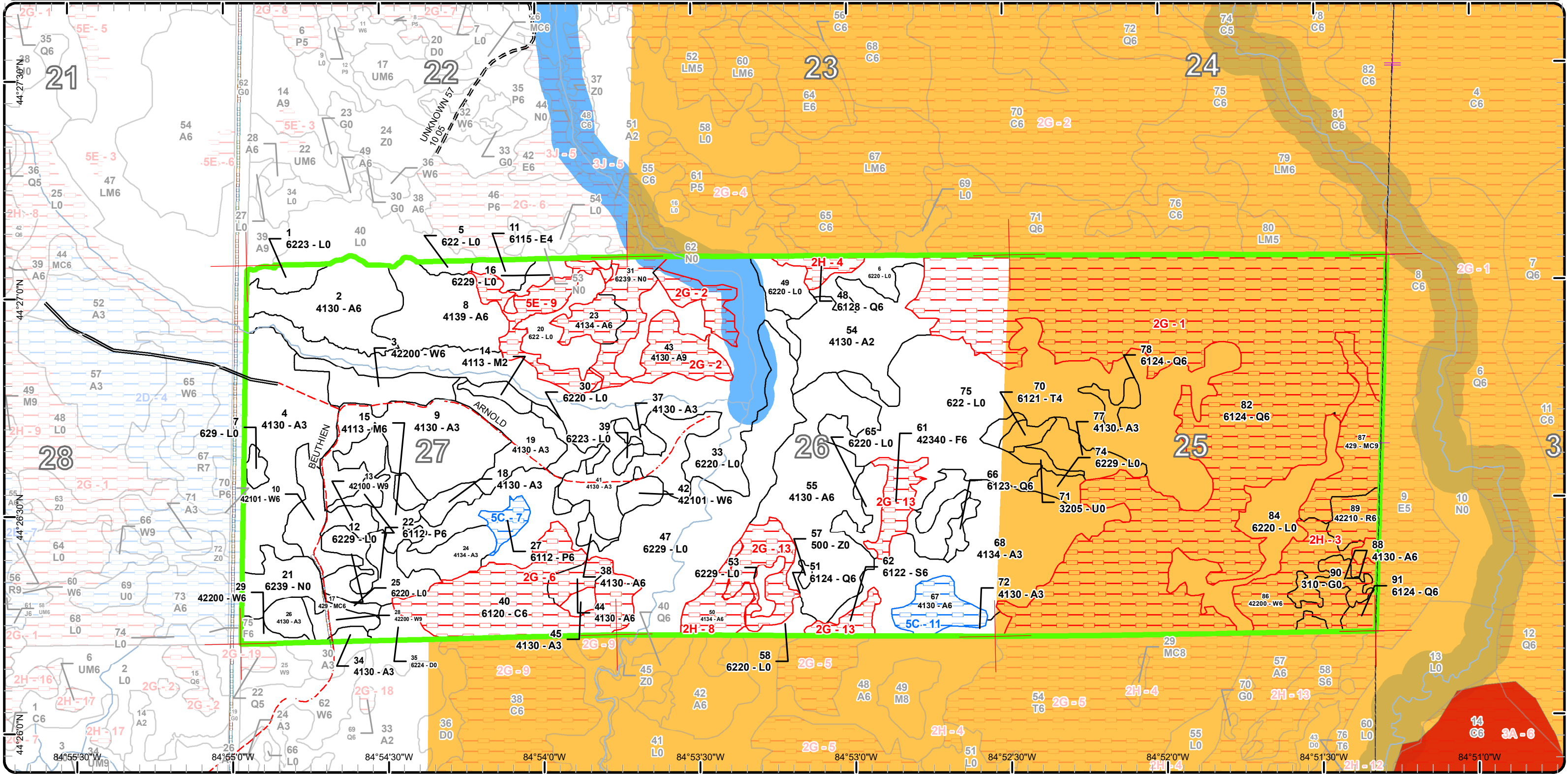


Special Conservation Areas

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 T24N-R05W Sec.25,26,27
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- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Dirt Road (Seasonal)
- Perennial River
- Pipeline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Forest Habitat Core Interior
- Cold Water Streams
- Non-Dedicated Natural Areas and National Natural Landmarks
- High Priority Trout Stream Buffer
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)



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	116	5	236	15	73	25	120	29	0	0	0	0	0	0	0	0	0	619
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	63	0	0	0	0	63
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	0	0	0	0	16	6	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Conifers	0	0	0	0	0	0	0	33	393	0	0	0	0	0	7	0	0	0	433
Lowland Deciduous	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Lowland Shrub	558	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	557
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7
Marsh	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Northern Hardwood	0	0	5	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	14
Red Pine	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	10
Tamarack	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4
Treed Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Conifers	0	0	0	0	0	0	7	0	0	0	0	0	0	27	0	0	0	0	34
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Spruce/Fir	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	12
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	0	0	65	31	5	0	0	0	0	0	0	0	0	101
Total	603	116	10	236	15	89	61	237	460	5	0	0	0	90	7	0	0	0	1927



Report 2 – Treatment Summary

Cadillac Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 84

Total Compartment Acres: 1,930

Commercial Harvest - 130
 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	Overstory Removal	Salvage	Other	Total Acres
Aspen	75	0	0	0	0	0	0	0	0	75
White Pine	55	0	0	0	0	0	0	0	0	55
Total	130	0	0	0	0	0	0	0	0	130

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	130	0	0	0	0	0	0	0	0	130
Next Step	0	110	55	0	0	55	185	0	0	404
Total	130	110	55	0	0	55	185	0	0	534



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
											Cut

Proposed Treatments:

10	63084010-Cut	54.8	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	73	141- 170	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clear Cut all Trees to facilitate red pine regeneration. Actual treatment will reflect on the ground conditions and acreage may vary from original proposed treatment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); <u>Treatments:</u> Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable</u> Planted Red Pine <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 /2024</p>											

Approved Treatments:

2	63084002-Cut	75.0	4130 - Aspen	Poletimber Well	66	141- 170	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest. Leave all red pine and white over 20 inches in diameter. Add Grouse and Hare spec to final sale specs. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen primary with mix of conifer and maple accepted as well. <u>Regen:</u></p> <p><u>Other</u> Innaccessable due to need to cross Deadstream CreekPossiable access along pipeline to the west during extreme frozen conditions. <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 5 /2 /2022</p>											

Total Treatment Acreage Proposed: 129.8

Report 4 – Site Conditions

Cadillac Mgt. Unit
Matt Edison : Examiner

Compartment: 84
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	<i>Acres Avail</i> <i>With Condition</i> <i>Not Available</i>			Dominant Site Conditions			
					5C	2G	2H	5E
619	510	15	94	Aspen	15	47	25	22
63	0	0	63	Cedar		63		
2	2	0	0	Herbaceous Openland				
22	16	6	0	Lowland Aspen/Balsam Poplar	6			
434	9	0	424	Lowland Conifers		413	11	
5	5	0	0	Lowland Deciduous				0
558	557	0	0	Lowland Shrub		0		0
7	0	0	7	Lowland Spruce/Fir		7		
33	17	0	16	Marsh		16		
14	14	0	0	Northern Hardwood				
10	0	0	10	Red Pine			10	
4	4	0	0	Tamarack				
6	6	0	0	Treed Bog				
34	7	0	27	Upland Conifers			27	
3	3	0	0	Upland Shrub				
12	0	0	12	Upland Spruce/Fir		12		
1	1	0	0	Water				
101	68	0	33	White Pine			33	
1,930	1,223	21	686	Total Forested Acres	21	557	107	22
	63%	1%	36%	Relative Percent				

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	393	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
 Matt Edison : Examiner

Compartment: 84
 Year of Entry: 2025

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	56	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	86	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	70	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Matt Edison : Examiner

Compartment: 84
Year of Entry: 2025

8	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: LTR for stand 2.							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	39	2E: Road needed	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
Comments: Stand is located in the Dead Stream Swamp and is inaccessible due to various habitat and water issues.							

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.
SCA	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
1	6223 - Inundated Shrub Swamp	Nonstocked	7.4			No	Leatherleaf with a few scattered spruce																																									
2	4130 - Aspen	Poletimber Well	38.9	66	141-170	N/A	Hummocky. A mix of aspen, red maple, balsam fir and white pines. Stand has been prepped as part of timber sale 63-002022 "Dead Stream Crossing". Bridge to be placed across Dead Stream from stand 3 to 2.																																									
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>60</td> <td>Log/Pole</td> <td>10</td> <td>66</td> </tr> <tr> <td>White Pine</td> <td>3</td> <td>Log/XLog</td> <td>15</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>			Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	5	Pole	7		Quaking Aspen	60	Log/Pole	10	66	White Pine	3	Log/XLog	15		Paper Birch	2	Pole	5		Red Maple	30	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	Sapling	Balsam Fir	Medium	10 - 20 feet	Sapling
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3	42200 - Natural White Pine	Poletimber Well	19.4	65	171-200	N/A	Planted white pine with scattered aspen and maple. Aspen is starting to drop out. Harvest and replant to red pine.																																									
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4	4130 - Aspen	Sapling Well	63.1	8	Immature	N/A	Aspen Clear cut with a few residual large red pine scattered. Aspen looks good.																																									
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5	622 - Lowland Shrub	Nonstocked	2.8			No																																										
6	6220 - Alder/willow	Nonstocked	11.0			No	Also areas of cattails and heavy beaver activity																																									
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7	629 - Mixed non-forested wetland	Nonstocked	3.0			No																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
8	4139 - Aspen, Mixed Deciduous	Poletimber Well	58.7	63	141-170	N/A	Stand is mostly aspen and red maple with a light balsam fir understory. Wet areas within the stand as you move east. Transitions into lowland hardwood to the NE. Stand has been prepped as part of sale 63-002-222 "Dead Stream Crossing". Access is from South via bridge across Dead Stream.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		40	Log/Pole	10		Balsam Fir		
Balsam Fir		5	Pole	7		Low		
Paper Birch		2	Pole/Sapling	5		5 - 10 feet		
White Pine		3	Log/Pole	12		Sapling		
Quaking Aspen		50	Log/Pole	10	63	Red Maple		
						Low		
						5 - 10 feet		
						Sapling		
9	4130 - Aspen	Sapling Well	52.2	21	Immature	N/A	Stand cut in 2002 with sale #63-033-02-02. Addis Add On. Aspen is doing well.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Maple		5	Sapling	2				
White Pine		5	Sapling	2				
Quaking Aspen		90	Sapling	3	21			
10	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	26.5	73	141-170	N/A	Dense White pine plantation with some over large aspen mixed around within. Harvest this entry and replant to red pine. Leave furthest east island of stand for age class and for treatment with adjacent stands in future.	
Canopy Species		% Cover	Size Class	DBH	Age			
Quaking Aspen		20	Log	11				
Red Maple		10	Pole	8				
11	6115 - Lowland Ash	Poletimber Poor	5.5	61	1-50	N/A	Lowland ash the is flooded and dying/dead. Scattered aspen and red maples.	
Canopy Species		% Cover	Size Class	DBH	Age			
Black Ash		80	Pole	7	61			
Red Maple		10	Pole	6				
Quaking Aspen		10	Pole	6				
12	6229 - Mixed lowland shrub	Nonstocked	4.3			No		
13	42100 - Planted White Pine	Sawtimber Well	5.4	81	171-200	N/A	Large white pine in plantation. Some aspen and random red pine mixed in, but not much. Not much understory at all. Harvest this entry and replant to red pine.	
Canopy Species		% Cover	Size Class	DBH	Age			
White Pine		90	Log	12	81			
Red Pine		5	Log/XLog/Pole	16				
Bigtooth Aspen		5	Pole	9				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
14	4113 - R.Maple, Conifer	Sapling Medium	4.8	12	Immature	N/A	Sand was a habitat cut. Hummocky ground with maple sprouts and white pine seedlings. Stand borders Dead Stream Creek.																																																						
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15	4113 - R.Maple, Conifer	Poletimber Well	9.3	63	51-80	N/A	Mixed bag stand. Hold this entry for age class considerations and too add some size.																																																						
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16	6229 - Mixed lowland shrub	Nonstocked	6.6			No																																																							
17	429 - Mixed Upland Conifers	Poletimber Well	7.3	51	81-110	N/A	Wet white pine with balsam fir, maple and aspen. Smaller diameters. Hold and harvest in future with adjacent P6.																																																						
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20	622 - Lowland Shrub	Nonstocked	17.7			No																																																							
21	6239 - Mixed Emergent Wetland	Nonstocked	16.3			No																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
22	6112 - Lowland Aspen	Poletimber Well	16.2	44	81-110	N/A	Hold for now, still smaller in size. Aspen and maple with balsam understory. Wetter toward west and south.																																						
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23	4134 - Aspen, Spruce/Fir	Poletimber Well	10.5	57	141-170	N/A	Aspen island surrounded by wetland.																																						
24	4134 - Aspen, Spruce/Fir	Sapling Well	14.2	25	Immature	N/A	Stand was final harvested in 1998 with sale 63-022-95-01. Long delay due to need for temp bridge.																																						
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27	6112 - Lowland Aspen	Poletimber Well	5.9	52	81-110	N/A	Wet end of peninsula that was previously cut. Hold for more growth and age class considerations.																																						
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28	42200 - Natural White Pine	Sawtimber Well	7.1	65	171-200	N/A	Variable white pine, aspen mix. There is pipeline signs along road within stand. Harvest this entry and replant to red pine.																																						
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29	42200 - Natural White Pine	Poletimber Well	4.3	72	111-140	N/A	Stand is a mix of white pine red pine, spruce, balsam fir, and a few aspen. Harvest in future with stand to south in Comp 63085.																																						
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30	6220 - Alder/willow	Nonstocked	6.4		Unspecified	No																																							
31	6239 - Mixed Emergent Wetland	Nonstocked	17.0	0	Unspecified	No																																							
33	6220 - Alder/willow	Nonstocked	130.5			No	Dead Stream Corridor																																						
34	4130 - Aspen	Sapling Well	2.3	18	Immature	N/A	Portion of stand cut with adjacent sale in compartment 85																																						
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35	6224 - Treed Bog	Nonstocked	6.1			No																																							
37	4130 - Aspen	Sapling Well	5.6	25	Immature	N/A	Young aspen along with scattered oaks. Was cut as The Forks Jack Pine (63-016-96-02) in 1998																																						
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39	6223 - Inundated Shrub Swamp	Nonstocked	2.2			No	leatherleaf with a few scattered trees.																																						
40	6120 - Lowland Cedar	Poletimber Well	62.6	128	81-110	N/A																																							
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41	4130 - Aspen	Sapling Well	32.4	8	Immature	N/A																																						
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42	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	5.6	65	141-170	N/A	White Pine with Aspen. Small stand, hold for diversity.																																					
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43	4130 - Aspen	Sawtimber Well	29.2	75	141-170	N/A	Isolated aspen with no reasonable access with equipment. Creeks and wet tag alder surrounding.																																					
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44	4130 - Aspen	Poletimber Well	7.0	66	141-170	N/A	Virtually no equipment access. Wildlife habitat cut portion of stand.																																					
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45	4130 - Aspen	Sapling Well	3.0	13	Immature	N/A	New stand added. created by wildlife habitat cut.																																					
47	6229 - Mixed lowland shrub	Nonstocked	116.1			No																																						
48	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	6.8	130	81-110	N/A	Inaccessible																																					
49	6220 - Alder/willow	Nonstocked	11.2			No	Also areas of cattails and heavy beaver activity																																					
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50	4134 - Aspen, Spruce/Fir	Poletimber Well	14.2	59	81-110	N/A	Drainage through middle of stand and virtually no feasible access.																																					



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51	6124 - Lowland Spruce-Fir	Poletimber Well	20.0	69	111-140	N/A	Wet areas within stand that drain to the south. Mix of Blasam and scattered aspen.																																																															
53	6229 - Mixed lowland shrub	Nonstocked	3.6		Unspecified	No																																																																
54	4130 - Aspen	Sapling Medium	46.9	28	81-110	N/A	Heavy beaver activity in this area. Stand was harvested in winter of 1996. Regen of aspen is in pockets with scattered balsam fir and open areas.																																																															
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55	4130 - Aspen	Poletimber Well	73.0	44	141-170	N/A	Stand is growing well. Contains a few drainages to Willow Run Creek. A mix of aspen, balsam fir, and black spruce.																																																															
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57	500 - Water	Nonstocked	1.2		Unspecified	No																																																																
58	6220 - Alder/willow	Nonstocked	4.8		Unspecified	No																																																																
61	42340 - Upland Spruce/Fir	Poletimber Well	12.1	58	Unspecified	N/A																																																																
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66	6123 - Lowland Fir	Poletimber Well	3.9	64	111-140	N/A																																																																
67	4130 - Aspen	Poletimber Well	14.9	62	111-140	N/A	Portion of stand not cut during the winters of 1995-1998 by wildlife. Hold for future larger cuts in area.																																																															
68	4134 - Aspen, Spruce/Fir	Sapling Well	84.8	25	Immature	N/A	Stand cut winter of 1997-98. Has a few wet areas scattered throughout. Beaver flooding to the north finged by black spruce and beaver activity along edge of flooding.																																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
70	6121 - Tamarack	Poletimber Poor	4.4	60	1-50	N/A	
71	3205 - Mixed Upland Shrub	Nonstocked	3.4		Unspecified	No	Heavy beaver activity along flooding. Scattered balsam fir saplings, oak, and aspen.
72	4130 - Aspen	Sapling Well	3.9	28	Immature	N/A	Stand was cut with compartment 85 to the south during the winter of 1995.
74	6229 - Mixed lowland shrub	Nonstocked	5.8		Unspecified	No	Heavy tag alder with stream running east through middle of stand.
75	622 - Lowland Shrub	Nonstocked	165.0		Unspecified	No	TAG ALDER!!!!!!!!!! Varies from open water to a few small scattered islands.
77	4130 - Aspen	Sapling Well	15.7	25	Immature	N/A	Stand has a ground blind with shooting lanes cut into it. Stand was cut in winter of 1998. Added adjacent portion of A3 that was not part of cut. Hummocky and surrounded by L types.
78	6124 - Lowland Spruce-Fir	Poletimber Well	5.0	67	111-140	N/A	Likley to have scattered cedar and maple.
82	6124 - Lowland Spruce-Fir	Poletimber Well	393.3	75	111-140	N/A	Lowland conifer stand. A mix of spruce, fir, and cedar. No large trees due to inability of ground to support large windfirm trees.
84	6220 - Alder/willow	Nonstocked	38.3		Unspecified	No	
86	42200 - Natural White Pine	Poletimber Well	33.0	62	111-140	N/A	
87	429 - Mixed Upland Conifers	Sawtimber Well	27.0	124	141-170	N/A	Stand occurs on a small ridge along eastern edge of the compartment. Large white pine and upland cedar with other conifers. Cedar framed hunting camp located in midle of stand.
88	4130 - Aspen	Poletimber Well	11.1	36	111-140	N/A	
89	42210 - Natural Red Pine	Poletimber Well	10.5	58	81-110	N/A	Appears to be a natural stand and a mix of red and white pines. Data adjusted from previous entry.
90	310 - Herbaceous Openland	Nonstocked	2.1		Unspecified	No	
91	6124 - Lowland Spruce-Fir	Poletimber Well	4.5	62	111-140	N/A	