



Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33082

Entry Year 2026

Acreage: 886

County Delta

Management Area: Green Bay

Stand Examiner: Dan Racine

Legal Description:

T 38N R 24W Sections 22 and 23.

Identified Planning Goals:

This compartment is a mix of upland and lowland with lowland spruce/fir and tamarack to the west of the Makosky road and mixed upland deciduous, aspen, and hemlock and pine to the east of the Makosky road. This compartment has good cedar and hemlock regeneration in the areas of previous timber sale harvests. The lowland spruce treatment is designed to regenerate spruce with larger retention areas for visual break up and seed tree retention. The treatments in the upland include aspen and mixed upland deciduous harvests designed to regenerate the upland mixed species including retaining a conifer component. The treatment in the hemlock strip cuts in stand 28 are regenerating with a mix of pine and hemlock in the strips.

Soil and topography:

Mostly level lowlands in the west half of the compartment with upland ridges in the east half of the compartment. Major soil series are Au Gres, Charlevoix, Croswell, Ensley, Kalkaska, Otisco, Roscommon, Rubicon, and Tawas.

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

Ownership to the north and southwest of this compartment is state, to the east is mostly industrial forest owned by Plum Creek. Ownership to the west is private small tracts of land. Land use to the west is residential with a few farms. Land use to the north, south, and east is forest.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

None.

Wildlife Habitat Considerations:

This 886 acre compartment contains a diverse array of lowland and upland cover types, the largest of these being 31% of the compartment in lowland spruce/fir, 13% in mixed upland deciduous, 149 acres of forest treatments have been prescribed this YOE, representing about 17% of the compartment. Of these treatments, 110 acres of clearcuts are planned in aspen and lowland conifers, 37 acres of shelterwood treatments are planned in upland mixes, and 2 acres of seed tree treatments are planned in pine stands. Featured species for this compartment include Black Bear, White-tailed Deer, and Wild Turkey. Clearcuts, shelterwood treatments, and seed tree treatments, which create young forest conditions, will benefit all of these species.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The nearest known active sand & gravel operations are more than two miles away. Some ancient sand dunes occur in the southeast portion of the compartment and offer some potential for sand. Apart from the sand dune areas, bedrock limestone is near the surface within the compartment. Most of the compartment consists of low wetlands, which would inhibit surface mining for development of limestone or sand & gravel. Potential for metallic and critical minerals beneath the compartment is relatively unknown, and such mineral occurrences would be at great depth and may not have significant economic value. Additional research/exploration is needed. There is no current leasing activity involving State-owned mineral rights in the area.

Vehicle Access:

Vehicle access to this compartment is very good. Access to the east half of this compartment is also very good. The west half of the compartment access is difficult due to low and wet swamps.

Survey Needs:

Potential survey requests for stand 12 and stand 15.

Recreational Facilities and Opportunities:

There are no recreational facilities within this compartment. However, this area is heavily hunted in the fall of the year. Many camps are set up along the Makosky Rd each year.

Fire Protection:

This area is not prone to fire due to the timber types. Should a fire occur access to most areas is very good. Water may be somewhat difficult to find nearby.

Additional Compartment Information:

See attached information.

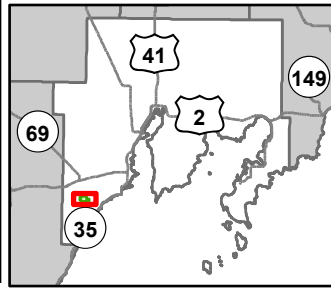
The following reports from the Inventory are attached:

- 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**

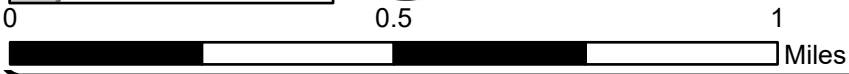
The following information is displayed, where pertinent, on the attached compartment maps:

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

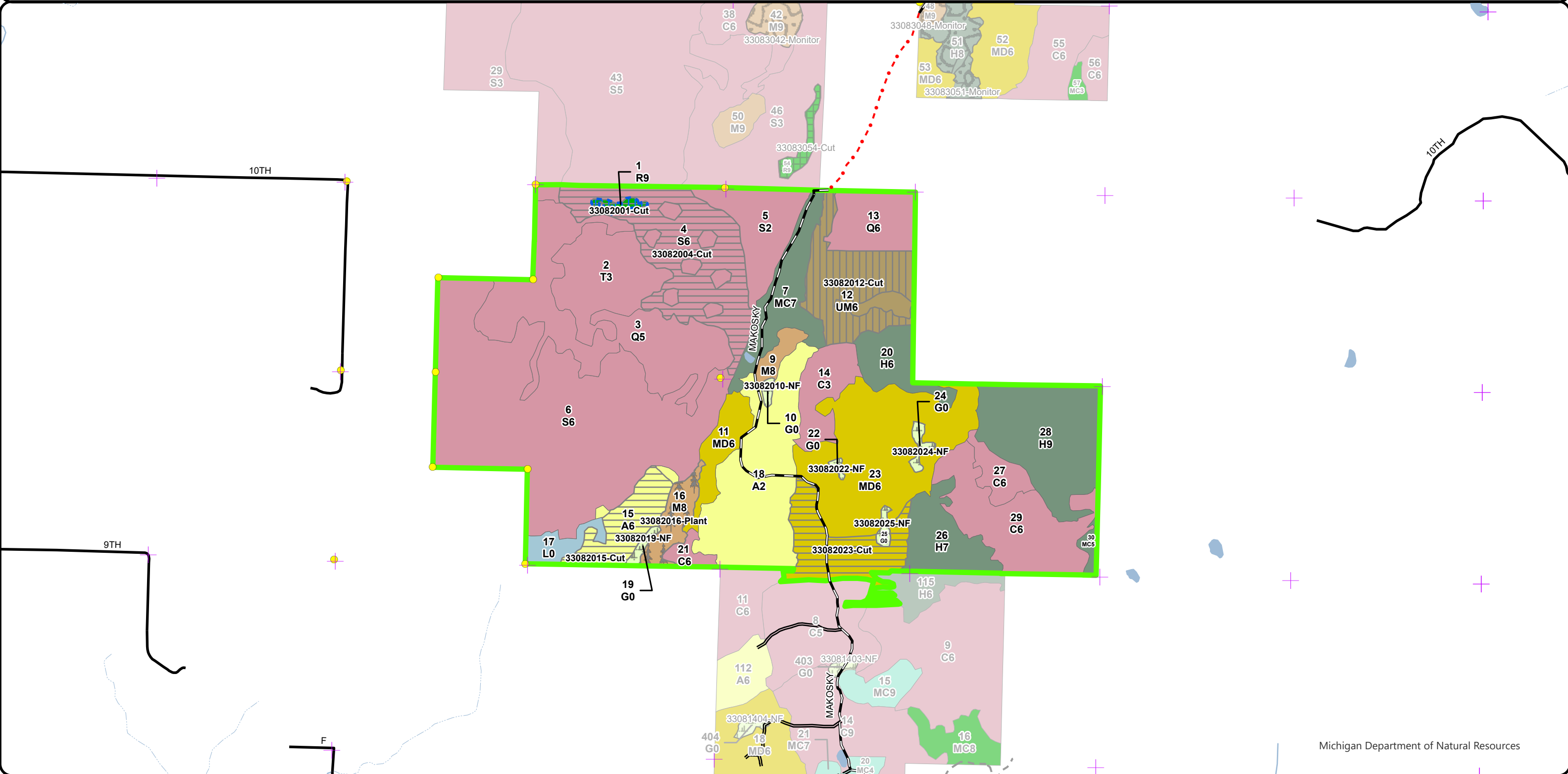
Cover Type & Treatments Map



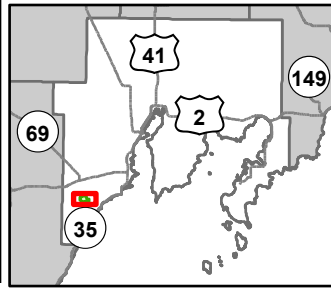
Compartment: 33082
 T38N, R24W, Sec: 22, 23
 County: Delta
 Unit: Escanaba
 Mgmt Area: Green Bay
 YOE: 2026
 Acres: 885.9 GIS Calculated
 Examiner: Dan Racine
 Map Revised: 07/15/2024
 Map Phase: Web - Post



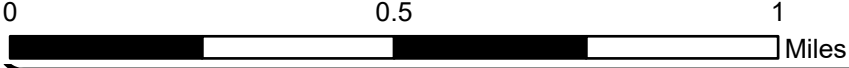
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|---|-----------------------------------|--------------------------------|-----------------------------------|
| ● Survey Grade Corners | — Intermittent Stream | ▭ Planting (Tree Species) | ■ 423 - Other Upland Conifers |
| ✚ Remonumented Section Corners | — Lake/Pond | ▭ Clearcut (w/Reserves) | ■ 430 - Upland Mixed Forest |
| — DNR - Primary Forest Road | — Perennial River | ▭ Seed Tree (w/Reserves) | ■ 612 - Lowland Coniferous Forest |
| — DNR - Secondary Forest Road | — Lakes and Rivers | ▭ Shelter Wood (w/Reserves) | ■ 310 - Herbaceous Openland |
| === DNR - Forest Access Route | ▭ Compartment Boundary | ■ 411 - Northern Hardwood | ■ 413 - Aspen Types |
| — Federal / State / County - Paved Road | ▭ Counties | ■ 419 - Mixed Upland Deciduous | ■ 422 - Natural Pines |
| - - - County - Gravel Road | ▭ Treatments with Site Conditions | | |
| - - - Private - Dirt / Gravel Road | ▭ Other Treatment - See Comments | | |



Stand Boundary Map



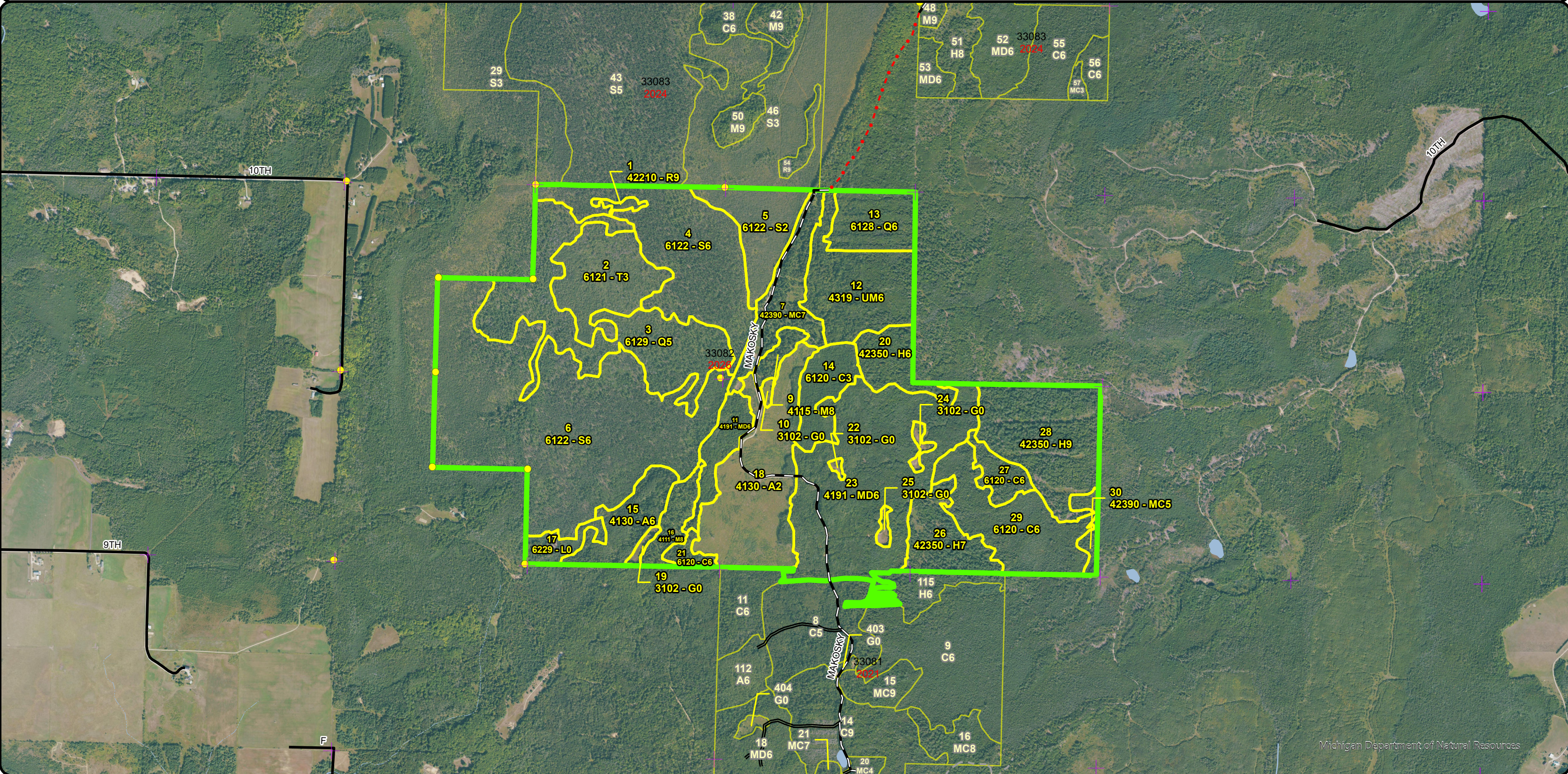
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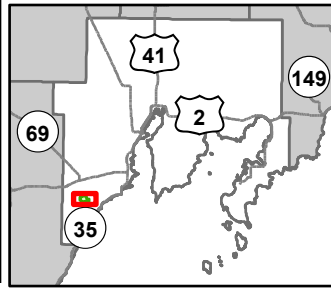
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- ⋯ Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Counties

- Stand Boundaries
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest

- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- State Forests



**Special Conservation Areas
& Site Conditions Map**

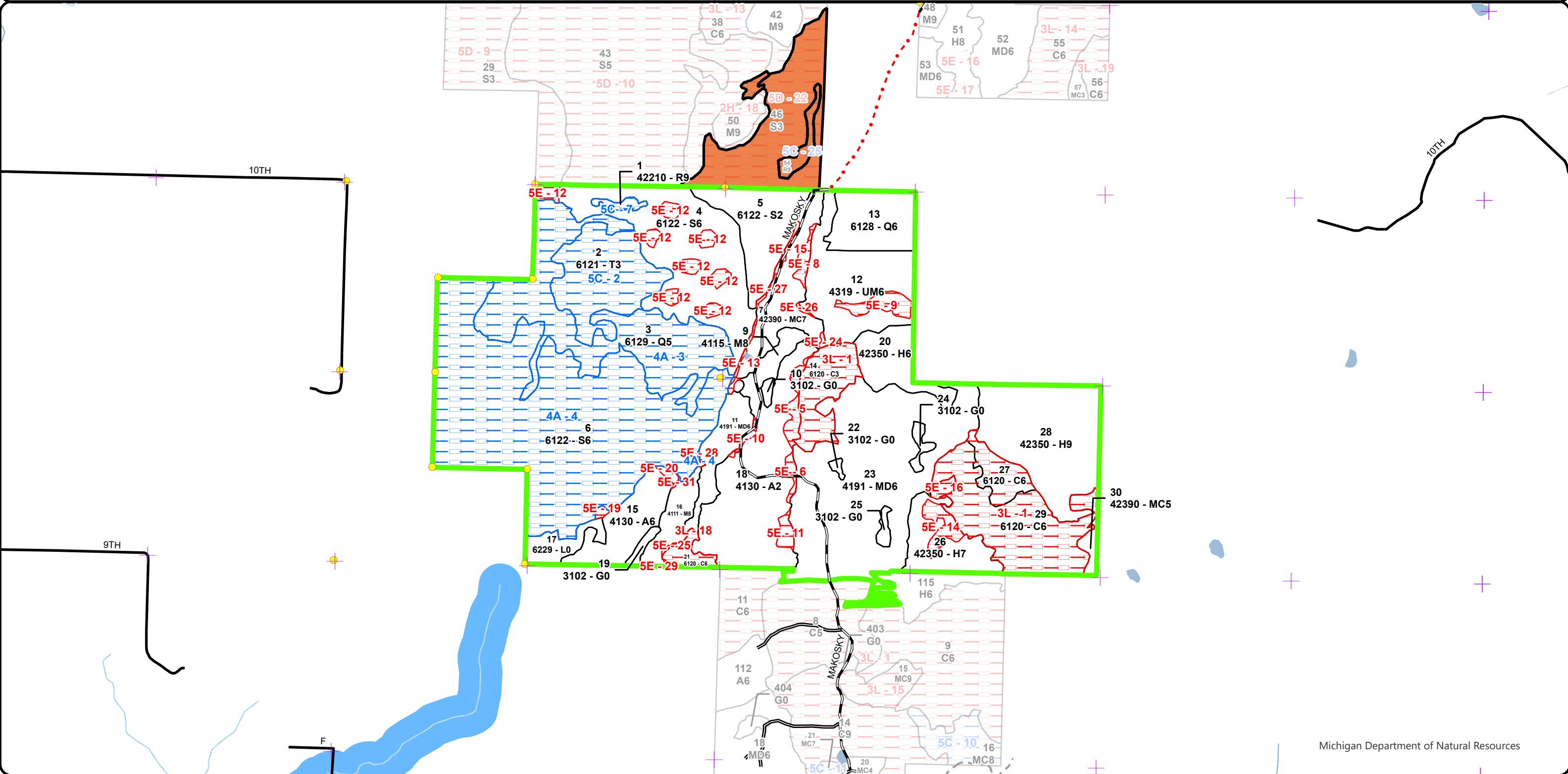
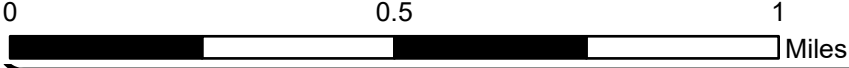


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- Survey Grade Corners
- + Remonumented Section Corners
- DNR - Primary Forest Road
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- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Intermittent Stream

- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Counties
- SCA
- Available w/ Constraints
- Unavailable
- 4A: No Markets Available for these Forest Products

- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Other Habitat Area



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	63	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	85
Cedar	0	0	0	0	0	18	0	0	0	0	0	0	15	45	0	0	0	0	77
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	93	0	0	0	0	0	93
Herbaceous Openland	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Conifers	0	0	0	0	0	22	0	0	0	0	0	73	0	0	0	0	0	0	95
Lowland Shrub	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Spruce/Fir	0	0	0	0	0	0	27	0	0	68	177	0	0	0	0	0	0	0	272
Mixed Upland Deciduous	0	0	0	0	0	121	0	0	0	0	0	0	0	0	0	0	0	0	121
Northern Hardwood	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Red Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2
Tamarack	0	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	0	0	37
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	30
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	42
Total	16	63	0	0	0	183	64	0	0	85	177	73	180	47	0	0	0	0	887



Report 2 – Treatment Summary

Escanaba Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 82
Total Compartment Acres: 886

Commercial Harvest - 147
Harvests with Site Condition - 2
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	20	0	0	0	0	0	0	0	0	20
Lowland Spruce/Fir	59	0	0	0	0	0	0	0	0	59
Mixed Upland Deciduous	31	0	0	0	0	0	0	0	0	31
Red Pine	0	0	0	2	0	0	0	0	0	2
Upland Mixed Forest	0	0	0	0	37	0	0	0	0	37
Total	110	0	0	2	37	0	0	0	0	149

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	149	0	11	0	0	0	0	8	0	168
Next Step	0	0	0	0	0	11	182	0	0	193
Total	149	0	11	0	0	11	182	0	8	361



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	33082001-Cut	1.9	42210 - Natural Red Pine	Sawtimber Well	125	81-110	Harvest	Seed Tree with Retention	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription</u> Seed Tree: Cut all merchantable trees except leave seed trees throughout the stand. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Red pine, white pine, mixed upland conifer species. <u>Regen:</u> <u>Other</u> Island of red pine with difficult access. Access is feasible with the surrounding black spruce stand harvested. <u>Comment:</u> Regeneration to a mix of pine and mixed upland conifer species. <u>Site Condition</u> Age-Class or Site Quality <u>Proposed Start Date:</u> 10/1 /2025</p>											
4	33082004-Cut	58.8	6122 - Black Spruce	Poletimber Well	82	Unspec ified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Cut all merchantable trees except leave some pine trees scattered throughout. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Black spruce, pine. <u>Regen:</u> <u>Other</u> Retention patches throughout at larger 1 acre sizes, determine at time of sale prep the location of the retention patches. <u>Comment:</u> Regeneration may take longer than the next treatment period. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
10	33082010-NF	1.1	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only), fertilizing and liming, brushhog/saw <u>Specs:</u> removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> No work has been done in the last decade <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 8 /30/2024</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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12	33082012-Cut	37.4	4319 - Mixed Upland Forest	Poletimber Well	114	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	No
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Prescription Shelterwood: Cut all merchantable trees except leave the cedar and hemlock unless required to harvest for operations. Leave some pine seed trees and mix of species around areas that are regenerating successfully already.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mixed conifer and deciduous species.

Regen:

Other The retention of smaller diameter unmerchantable areas determined at time of sale prep.

Comment: Some over mature maple, birch, and mixed conifer species. Salvaging these species and allowing for regenerating a mix of the deciduous and conifer species. The hemlock and cedar regeneration is successful in this compartment and surrounding compartments in this area. Expect regeneration of a mix of species by the next inventory cycle. If unsuccessful then determine a method for regeneration during the next inventory cycle. Some areas may require harvesting during a dry summer or frozen ground conditions.

Site Condition

Proposed Start Date: 10/1 /2025

15	33082015-Cut	20.1	4130 - Aspen	Poletimber Well	48		Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut with retention: Cut all trees 3 inches and greater in dbh. Do not cut any hemlock unless absolutely necessary for operations.

Specs:

Spec to protect the existing hemlock and cedar regeneration within the stand. Leave retention of 3 to 10% of the sale acreage.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, mixed upland conifer and deciduous species.

Regen:

Other This harvest will aid in age class distribution of the aspen within the compartment and management area. Monitor the regeneration of acceptable regeneration species during the re-inventory cycle. Expect adequate regeneration during re-inventory.

Site Condition

Proposed Start Date: 10/1 /2025

16	33082016-Plant	11.1	4111 - S.Maple, Hard Mast Association	Sawtimber Medium	88	51-80	Planting	Underplant	4319 - Mixed Upland Forest	Two-Aged	No
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Prescription Plant Oak in the open areas of the stand.

Specs:

Next Step Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Monitoring, Natural Regen (Re-Inventory); Pesticide, Skidder - Site

Treatments: Prep

Acceptable Mixed upland deciduous and conifer species.

Regen:

Other Consult with TMS for potential herbicide treatment for the raspberry understory.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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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19	33082019-NF	1.8	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	No
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Prescription Specs: Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others

Next Step Treatments:

Acceptable Regen:

Other Comment: No work has been done here in the last decade

Site Condition

Proposed Start Date: 8 /30/2024

22	33082022-NF	0.8	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	No
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Prescription Specs: Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others

Next Step Treatments:

Acceptable Regen:

Other Comment: No work has been done in the last decade

Site Condition

Proposed Start Date: 8 /30/2024

23	33082023-Cut	30.8	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	46	81-110	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Specs: Clearcut- Cut all trees 3 inches and greater. Cut only those hemlock necessary for operations. Apply the protect the regeneration cutting spec to protect the existing hemlock and cedar regeneration.

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

Acceptable Regen: Aspen, mixed upland deciduous and conifer species.

Other Comment: A portion of the entire stand being treated this treatment period. This harvest will aid in age class distribution of aspen and mixed upland species within the compartment and management area.

Monitor regeneration the next treatment period. Expect aspen and mixed upland species to regenerate.

Site Condition

Proposed Start Date: 10/1 /2025



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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
24 33082024-NF	2.2	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> No work has been done in the last decade</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 8 /30/2024</p>										
25 33082025-NF	1.7	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> No work has been done in the last decade</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 8 /30/2024</p>										

Total Treatment Acreage Proposed: 167.7

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Racine : Examiner

Compartment: 82
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	4A	5C	3L	5E
		With Condition	Not Available					
84	75	0	9	Aspen			0	9
78	0	0	77	Cedar			77	0
93	87	0	6	Hemlock			0	6
8	8	0	0	Herbaceous Openland				
95	22	73	0	Lowland Conifers	73			
8	8	0	0	Lowland Shrub				
270	85	176	8	Lowland Spruce/Fir	176			8
121	121	0	0	Mixed Upland Deciduous				0
17	16	0	1	Northern Hardwood				1
2	0	2	0	Red Pine		2		
37	0	37	0	Tamarack		37		
30	26	0	5	Upland Conifers				5
42	37	0	5	Upland Mixed Forest				5
884	485	288	111	Total Forested Acres	250	39	77	33
	55%	33%	13%	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	3L: Other wildlife concerns	73	Unspecified	Unspecified	Unspecified	Unspecified
Comments: High amount of northern white cedar. Lack of treatment due to Deer Winter Range Guidelines.							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	37		Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Racine: Examiner

Compartment: 82
Year of Entry: 2026

3	Available	4A: No Markets Available for these Forest Products	73	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	4A: No Markets Available for these Forest Products	177	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
 Dan Racine : Examiner

Compartment: 82
 Year of Entry: 2026

10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3L: Other wildlife concerns	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Racine : Examiner

Compartment: 82
Year of Entry: 2026

19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Racine : Examiner

Compartment: 82
Year of Entry: 2026

31	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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
33083046 Comments	Habitat Area	Habitat Corridor	SCA	46
33083049 Comments	Habitat Area	Habitat Corridor	SCA	1
33083054 Comments	Habitat Area	Habitat Corridor	SCA	4



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	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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
1	42210 - Natural Red Pine	Sawtimber Well	1.9	125	81-110	N/A	This stand was unit 1 of the Makosky Split sale not completed by the contractor.																																								
<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>Red Pine</td> <td>100</td> <td>Log/Pole</td> <td>11</td> <td>125</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100	Log/Pole	11	125																																				
Canopy Species	% Cover	Size Class	DBH	Age																																											
Red Pine	100	Log/Pole	11	125																																											
2	6121 - Tamarack	Sapling Well	36.8	51		N/A	Last field check 4/2014																																								
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Canopy Species	% Cover	Size Class	DBH	Age																																											
Black Spruce	30	Sapling/Pole	4	51																																											
Tamarack	70	Sapling/Pole	4	51																																											
3	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	73.0	100		N/A	This stand was not cut under the Makosky Split sale. Turned back with not enough merchantability.																																								
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Tamarack	Medium	< 5 feet	Sapling																																												
4	6122 - Black Spruce	Poletimber Well	68.2	82	Unspecified	N/A	Nice stand of black spruce with white pine and occassional tamarack. Size of timber is larger as you go east from pine ridge.																																								
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5	6122 - Black Spruce	Sapling Medium	26.6	51		N/A	Stand is 1 stick and smaller spruce. Poor quality 3-5" scattered occassional spruce. Sap/pole stand.																																								
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6	6122 - Black Spruce	Poletimber Well	176.6	92		N/A	This stand was not cut under the Makosky Split sale. Turned back due to non merchantable timber.																																								
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7	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Poor	27.3	117	1-50	N/A	Mixed upland/lowland site with the harvest in the upland areas. This stand was harvested in the winter of 2017 as unit 7 of the Makosky Split sale. Pocket of aspen regeneration.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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9	4115 - Y.Birch, Hemlock NH	Sawtimber Medium	5.6	88	51-80	N/A	Pockets of hemlock with scattered individual hemlock. Harvested in 2017 as unit 8 of the Makosky Split sale.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Red Maple					5	Log	12		Balsam Fir				Medium	< 5 feet	Sapling
Yellow Birch					25	Log	12		White Pine				Low	5 - 10 feet	Sapling
Hemlock					40	Log/Pole	10	88	Blackberry/Raspberry				Medium	5 - 10 feet	Tall Shrub
Sugar Maple					30	Log	12	88							

10	3102 - Grass	Nonstocked	1.1		Unspecified	Managed Opening	Opening enhancement. WLD: no work has been done here in the last decade
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11	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	14.0	47	51-80	N/A	
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Paper Birch					10	Pole	7		Red Maple				Low	< 5 feet	Sapling
Quaking Aspen					15	Pole	6		Balsam Fir				Low	< 5 feet	Sapling
Balsam Fir					15	Pole	7	66							
White Spruce					10	Pole	6								
Balsam Poplar					10	Pole	6								
Red Maple					40	Pole	6	47							

12	4319 - Mixed Upland Forest	Poletimber Well	42.3	114	81-110	N/A	This stand is a mix of what was cut and what was left with a removal cut and completed in 2000. What is left is 80 and what is cut is regenerating. Clearcut in 10 years.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Quaking Aspen					5	Pole	8		White Pine				Low	5 - 10 feet	Sapling
Balsam Poplar					10	Pole	8		Northern White Cedar				Low	< 5 feet	Seeding
White Pine					5	Log	14		Balsam Fir				Medium	5 - 10 feet	Sapling
Red Maple					25	Log/Pole	11								
Hemlock					10	Log/Pole	10								
Northern White Cedar					30	Log/Pole	10	114							
Paper Birch					15	Pole	9								

13	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	21.8	49	Unspecified	N/A	Super canopy Log cedar left. This stand was strip cut in 1975 and again in 1997.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Balsam Fir					30	Sapling/Pole	4	49	Balsam Fir				High	5 - 10 feet	Sapling
Northern White Cedar					30	Pole	7		Northern White Cedar				Medium	Variable	Sapling
Red Maple					5	Sapling/Pole	4		Quaking Aspen				Low	10 - 20 feet	Sapling
Paper Birch					10	Sapling/Pole	4								
Balsam Poplar					10	Pole	7								
Quaking Aspen					10	Pole	7	49							
White Spruce					5	Pole	5								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
14	6120 - Lowland Cedar	Sapling Well	18.0	47	Unspecified	N/A	Cedar was bored and at 27 years old. Strips were cut in the 1960's and the residual cut in 1977.																																															
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15	4130 - Aspen	Poletimber Well	21.5	48		N/A	Aspen stand with a ridge of larger trees and smaller to the west.																																															
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16	4111 - S.Maple, Hard Mast Association	Sawtimber Medium	11.1	88	51-80	N/A	Occasional hemlock and groups and 3-4 in areas. Leatherwood in the understory. Harvested in 2017 as unit 6 of the Makosky Split sale.																																															
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White Pine	Low	< 5 feet	Sapling																																																			
Blackberry/Raspberry	High	5 - 10 feet	Tall Shrub																																																			
17	6229 - Mixed lowland shrub	Nonstocked	8.0			No																																																
18	4130 - Aspen	Sapling Medium	62.8	5	Immature	N/A	Aspen stand harvested in 2017-2019 as part of the Makosky Split sale. Units 9 and 10. Filling in with aspen and balm. There are open areas within the stand that have not regenerated. Expect these areas to fill in with mixed aspen and upland conifer species.																																															
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19	3102 - Grass	Nonstocked	1.8		Unspecified	Managed Opening	Needs maintenance WLD: no work has been done here in the last decade																																															
20	42350 - Upland Hemlock	Poletimber Well	16.8	111		N/A	See how other treatments respond to group selection and look at this one next treatment period. Trace amounts of paper birch.																																															
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21	6120 - Lowland Cedar	Poletimber Well	4.5	117		N/A	Stand was treated under Grouse Feathers sale in 1998 with the cedar being left. In the areas that were treated it is full subcanopy of balsam fir, white spruce, and some white pine 3-5' tall.																																																														
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22	3102 - Grass	Nonstocked	0.8		Unspecified	Managed Opening	Opening enhancement. WLD: no work has been done here in the last decade																																																														
23	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	106.7	46	81-110	N/A	Large portion of this stand was clearcut in 1977 under the Makosky Road sale. All trees cut in this stand. Trace of cedar and hemlock. Variable diameters from sap to log.																																																														
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26	42350 - Upland Hemlock	Sawtimber Poor	23.2	117		N/A	Shelter wood harvest in 2018 as unit 11 of the Makosky Split sale..																																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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27	6120 - Lowland Cedar	Poletimber Well	9.8	115		N/A	This stand was cut under the hyde south sale. Gaps were created with little cedar regeneration in the gaps currently but some along the edges. Significant blowdown some cut up from previous sale. This stand was cut in 2009. Some deer browsing but minimal. Regeneration outside of the gaps currently.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Paper Birch		5	Pole	8		Black Spruce		Low	< 5 feet	Sapling	
Black Spruce		5	Pole	9		Balsam Fir		High	5 - 10 feet	Sapling	
Northern White Cedar		80	Pole	9	115	Northern White Cedar		Low	< 5 feet	Seeding	
Black Ash		5	Pole	6							
White Pine		5	Log	12							

28	42350 - Upland Hemlock	Sawtimber Well	53.4	117		N/A	Phragmites in the lowland pockets in the cedar areas. In the gaps the hemlock regeneration is m-h density. This stand was cut under the yellow trails sale. All aspen,spruce/fir,hardwoods except those marked with blue paint cut and orange marked hemlock and pine completed in 1999. Trace amounts of yellow birch and red maple. Trace amounts of cedar in the understory.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Pine		5	Log	14		Balsam Fir		Medium	10 - 20 feet	Sapling	
Hemlock		65	Log/Pole	10	117	Hemlock		Medium	Variable	Sapling	
White Pine		20	Log	14		Red Maple		Low	10 - 20 feet	Sapling	
Northern White Cedar		10	Pole	8		White Pine		Medium	10 - 20 feet	Sapling	

29	6120 - Lowland Cedar	Poletimber Well	45.4	124		N/A	Cedar stand with a mix of ash,paper birch,white spruce and balsam fir. Couple of Tamarack areas.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Spruce		5	Pole	5		Balsam Fir		Low	< 5 feet	Sapling	
Northern White Cedar		70	Pole	7	124	Northern White Cedar		Medium	>20 feet	Pole	
Tamarack		5	Pole	6		Tag Alder		Low	5 - 10 feet	Tall Shrub	
White Pine		5	Log	14							
Black Ash		5	Pole/Sapling	5							
Paper Birch		5	Pole	6							
Balsam Fir		5	Pole/Sapling	5							

30	42390 - Mixed Non-Pine Upland Conifers	Poletimber Medium	2.9	117	51-80	N/A	This stand was cut under the yellow trails sale completed in 1999. All aspen,paperbirch,spruce/fir, and hardwood cut except those marked with blue paint. Orange marked hemlock and pine cut. Not much to cut here. Filling in with white pine,balsam fir and hemlock.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Hemlock		20	Pole	9		Balsam Fir		Low	5 - 10 feet	Sapling	
Red Maple		15	Pole/Log	10		White Pine		Medium	5 - 10 feet	Sapling	
Yellow Birch		5	Pole	9		Hemlock		Low	< 5 feet	Sapling	
White Pine		15	Log	14							
Red Pine		5	Log	14							
Northern White Cedar		40	Pole	9	117						