



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32080

Entry Year 2026

Acreage: 1,062

County Marquette

Management Area: Menominee-Marquette

Stand Examiner: Kyle Gould

Legal Description:

T43N, R24W, Sections 19,20,21

Identified Planning Goals:

To improve the quality and diversity of State forests and wildlife through proper habitat management, while protecting the riparian values of our wetlands and waters.

Soil and topography:

Geologic features include a nearly level glacial drainage way, ground moraines and till plains. Soils range from organic swamps and poorly drained loamy soils to well drained loams. Major soil series include Carbondale, Trenary loams and Kalkaska sands.

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

This compartment is split into 2 blocks; the western ¼ which is actively managed for forest and wildlife purposes, and the eastern ¾ which is primarily managed for Special Conservation Areas (SCA's). Between the 2 blocks and adjacent to the compartment lie corporate lands with additional state land and one private holding to the west.

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:

Three-fourths of the compartment stands are designated as SCA's.

Watershed and Fisheries Considerations:

This compartment contains Swimming Hole Creek which serves as a tributary to the Main Branch Escanaba River. Swimming Hole Creek is a designated Type 1 trout stream less than 50-ft wide and has a predicted mean July temperature of 65.8 °F (cold stream). A 300-foot buffer is recommended for Swimming Hole Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Menominee-Marquette Management Area, on ground moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); coarse woody debris; and deer wintering complexes.

The following have been identified as featured species for the Menominee-Marquette Management Area: American Woodcock, Blackburnian Warbler, Cerulean Warbler, Golden-winged Warbler, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of peat and muck and an end moraine of medium-textured till. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River Group subcrops below the glacial drift. The Black River is quarried for stone/dolomite elsewhere in the UP. Gravel pits are located to the south and there may be potential on the upland areas. Abandoned iron mines are located twelve miles to the north. Section 23 was previously leased for metallic

exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Vehicle access to the compartment is fair via Hamilton Homestead Road.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Recreational activity for this area is primarily for ruffed grouse and whitetail deer hunting.

Fire Protection:

This compartment has a low risk for fire.

Additional Compartment Information:

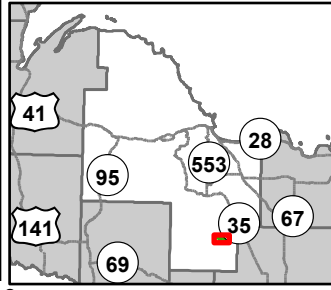
The following reports from the Inventory are attached:

- 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:

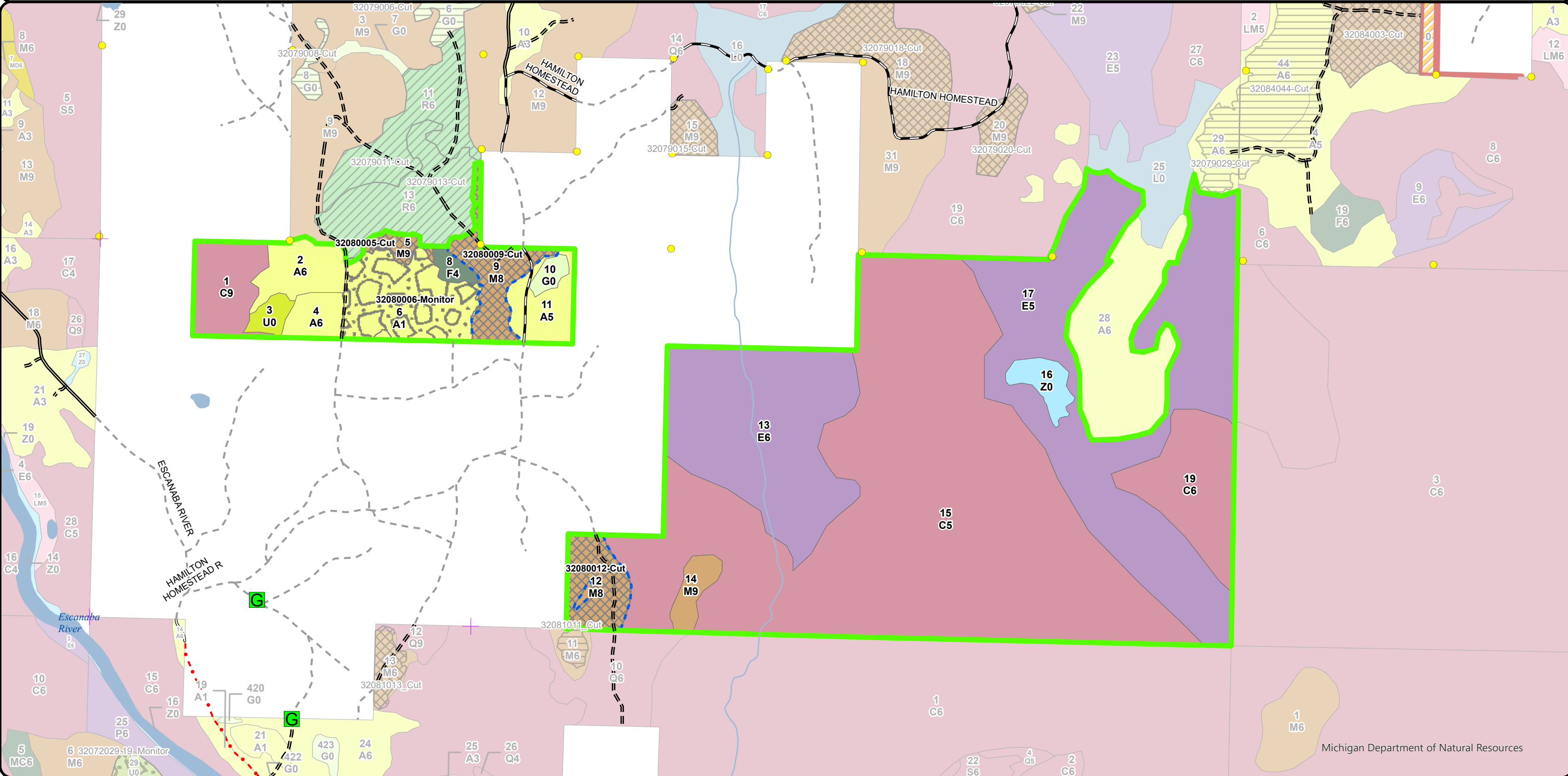
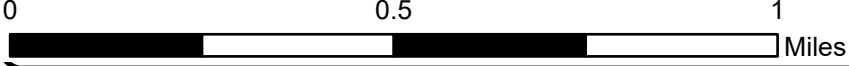
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

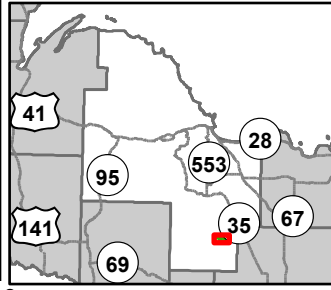


Compartment: 32080
 T43N, R24W, Sec: 16, 19-21
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Menominee-
 Marquette
 YOE: 2026
 Acres: 1061.7 GIS Calculated
 Examiner: Kyle Gould
 Map Revised: 08/16/2024
 Map Phase: Web - Post

- | | | | |
|------------------------------|------------------------------|---------------------------------|---------------------------------|
| Gate | County - Gravel Road | Treatments with Site Conditions | 612 - Lowland Coniferous Forest |
| Survey Grade Corners | Private - Dirt / Gravel Road | Selection (Group, Single Tree) | 310 - Herbaceous Openland |
| Remonumented Section Corners | Lake/Pond | Regeneration Survey | 330 - Low Density Trees |
| DNR - Primary Forest Road | Perennial River | 411 - Northern Hardwood | 500 - Water |
| DNR - Secondary Forest Road | Lakes and Rivers | 413 - Aspen Types | 423 - Other Upland Conifers |
| DNR - Forest Access Route | Compartment Boundary | 611 - Lowland Deciduous Forest | |
| | Counties | | |



**Special Conservation Areas
& Site Conditions Map**

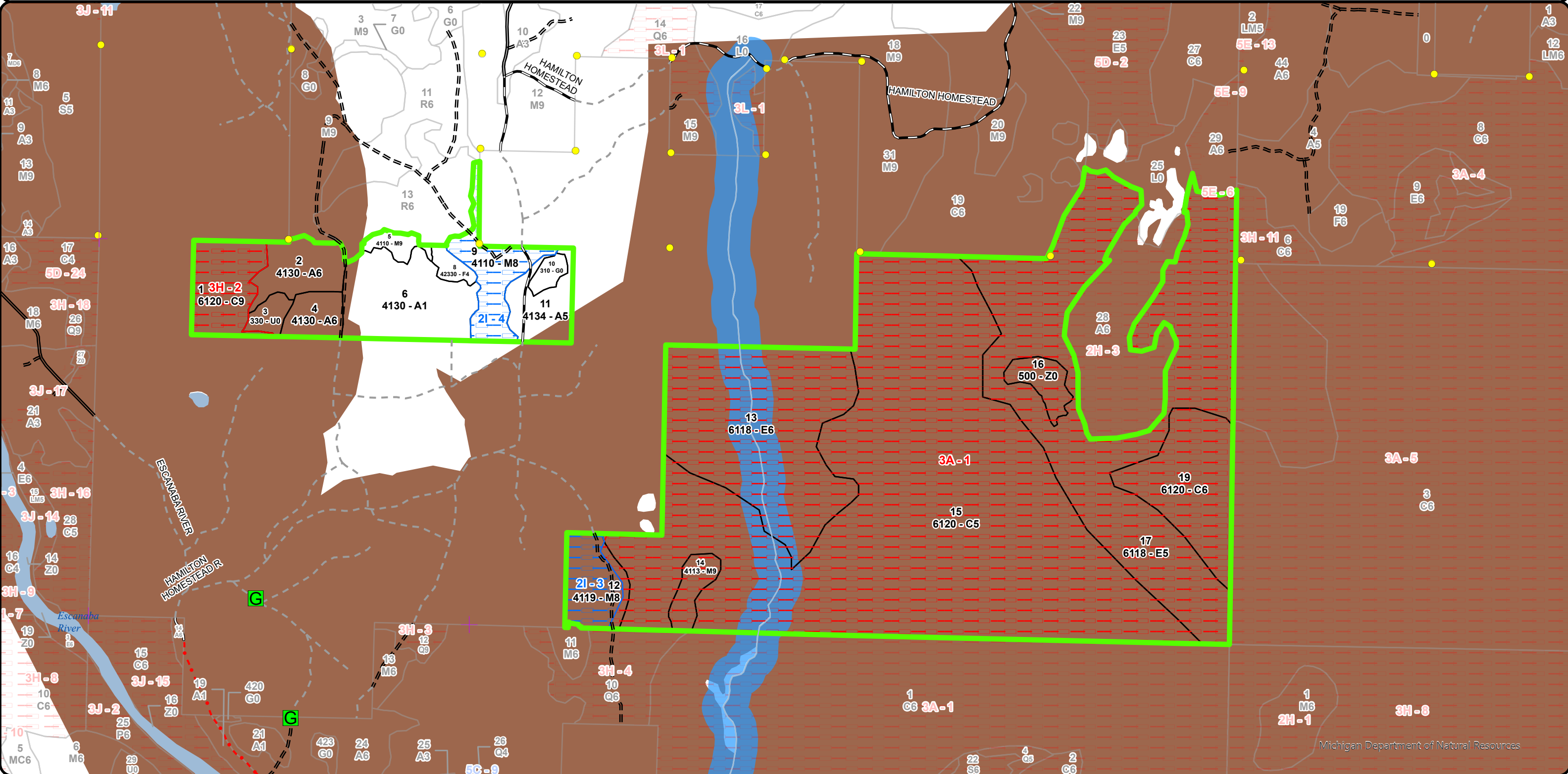
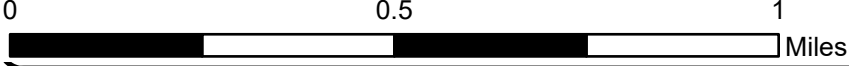


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- Gate
- Survey Grade Corners
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- County - Gravel Road

- Private - Dirt / Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Counties
- Available w/ Constraints
- Unavailable

- 2I: Survey needed
- 3A: Conservation Values incompatible with harvest at this time
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



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+	Unnever-Aged	Total
Aspen	0	45	0	20	29	0	0	0	0	0	0	0	0	0	0	0	0	0	94
Cedar	0	0	0	0	0	0	0	0	0	0	0	27	506	0	0	0	0	0	533
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	221	0	127	0	0	0	0	0	348
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	10	47	5	0	0	0	0	0	62
Upland Spruce/Fir	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Total	20	45	0	20	29	5	0	0	0	0	231	47	32	633	0	0	0	0	1061



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 80

Total Compartment Acres: 1,062

Commercial Harvest - 5
 Harvests with Site Condition - 46
 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
Northern Hardwood		0	51	0	0	0	0	0	0	0	51
	Total	0	51	0	0	0	0	0	0	0	51

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		51	0	0	0	0	0	44	0	0	95
Next Step		0	0	0	0	0	0	51	0	0	51
	Total	51	0	0	0	0	0	95	0	0	147



Stand Name	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:

5	32080005-Cut	5.2	4110 - Sugar Maple Association	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark to 70-80 BA. Make gaps following the Northern Hardwood Guidance to encourage regeneration. Release any advanced regen.</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> Northern Hardwood</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>											
9	32080009-Cut	23.9	4110 - Sugar Maple Association	Sawtimber Medium	109	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark to 60-70 BA. Removed all merchantable spruce and fir. Make gaps following the Northern Hardwood Guidance to encourage regeneration. Maintain species diversity while marking.</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> Northern Hardwood</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
12	32080012-Cut	22.0	4119 - Mixed Northern Hardwoods	Sawtimber Medium	108	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark to 60-70 BA. Make gaps following the Northern Hardwood Guidance to encourage regeneration. Release areas of advanced regeneration.</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 species found on site</p> <p><u>Regen:</u></p> <p><u>Other</u> Keep the treatment on the higher ground. The treatment has been adjusted for the wet area in the stand.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

Approved Treatments:

6	32080006-Monitor	44.3	4130 - Aspen	Sapling Poor	7	Immature	Monitoring	Natural Regen (Re-Inventory)	413 - Aspen	Even-Aged	No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, northern hardwoods, white spruce</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></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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Proposed Start Date: 10/9 /2018

Total Treatment Acreage Proposed: 95.4

Report 4 – Site Conditions

Gwinn Mgt. Unit
Kyle Gould : Examiner

Compartment: 80
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail			Dominant Site Conditions		
		With Condition	Not Available		2I	3A	3H
94	94	0	0	Aspen			
533	0	0	533	Cedar		506	27
4	4	0	0	Herbaceous Openland			
6	6	0	0	Low-Density Trees			
348	0	0	348	Lowland Deciduous		348	
62	9	43	10	Northern Hardwood	43	10	
5	5	0	0	Upland Spruce/Fir			
10	0	0	10	Water		10	
1,062	117	43	901	Total Forested Acres	43	874	27
	11%	4%	85%	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	3A: Conservation Values incompatible with harvest at this time	878	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: Summer Meadow Creek Core Interior Habitat area							
2	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	2I: Survey needed	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Kyle Gould : Examiner

Compartment: 80
Year of Entry: 2026

4	Available	2l: Survey needed	24	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.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
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	6120 - Lowland Cedar	Sawtimber Well	27.0	115	141-170	N/A	Deer yard. Large diameter cedar and with a few other lowland species mixed in.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		5	Pole/Log	9		Balsam Fir	
Black Spruce		10	Pole/Log	9		Northern White Cedar	
Northern White Cedar		80	Log/Pole	11	115		
Paper Birch		5	Pole/Log	9			
2	4130 - Aspen	Poletimber Well	19.8	26	Immature	N/A	Cut under contract # 50-98-02. Well stocked aspen with lowland conifers mixed in. Wetter soils and less hardwood mixed in than adjacent stand 4.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Basswood		5	Log/Pole	11		White Spruce	
Balsam Fir		10	Pole	7		Black Cherry	
Quaking Aspen		75	Pole	5	26		
Red Maple		7	Log	12			
Sugar Maple		3	Log/Pole	11			
3	330 - Low-Density Trees	Nonstocked	5.7		Immature	No	Filling in with spruce and fir. Patchy Raspberry
Sub-Canopy Species		Density	Avg. Height	Size			
White Spruce		Low	Variable	Sapling			
Quaking Aspen		Low	10 - 20 feet	Sapling			
Balsam Fir		Low	Variable	Sapling			
4	4130 - Aspen	Poletimber Well	11.0	38	81-110	N/A	Aspen with a little spruce and balsam around the edge. Some small hardwood in the understory.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		95	Pole	7	38	White Spruce	
Balsam Fir		5	Pole	9		Hazelnut (Beaked)	
						< 5 feet	
						Tall Shrub	
5	4110 - Sugar Maple Association	Sawtimber Well	5.3	110	111-140	N/A	Log sized hardwood stand. Trees are mature and ready for harvest. Good quality site.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		5	Log	12			
Sugar Maple		75	Log	12	110		
Basswood		20	Log	12			
6	4130 - Aspen	Sapling Poor	44.7	7	Immature	N/A	Cut in 10/18 Old Mans Folly.2024 - fully stocked stand of aspen. Some large maple and basswood left in the overstory. Aspen is 10-15ft tall and some small hardwood in the understory.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		10	Sapling	1			
Quaking Aspen		88	Sapling	1	7		
Black Cherry		2	Sapling	1			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																								
8	42330 - Upland Fir	Poletimber Poor	4.5	40	1-50	N/A	Old opening that has fallen in with mostly spruce and fir.																																																																								
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9	4110 - Sugar Maple Association	Sawtimber Medium	23.9	109	81-110	N/A	Good hardwood ground with leeks, leatherwood, etc. No maple regen despite low stocking levels. Heavy ironwood regen.																																																																								
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12	4119 - Mixed Northern Hardwoods	Sawtimber Medium	22.8	108	81-110	N/A	Harwood stand with a couple pockets of aspen. The stand is mature.																																																																								
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13	6118 - Lowland Deciduous with Cedar	Poletimber Well	127.2	124	81-110	N/A	Remote black ash and cedar stand. Very wet ground on a dry year.																																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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14	4113 - R.Maple, Conifer	Sawtimber Well	9.6	91	111-140	N/A	2014 - Too wet to access. Former POG. 2024 - stand of mixed hardwoods with cedar and aspen. most trees are lod sized. Small Upland island in a large cedar stand
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	15	Log	10	
Red Maple	50	Log/Pole	13	91
Sugar Maple	15	Log/Pole	12	
Quaking Aspen	10	Log	11	
Hemlock	5	Log/Pole	10	
Yellow Birch	5	Pole/Log	9	

15	6120 - Lowland Cedar	Poletimber Medium	456.0	124	Unspecified	N/A	Deer yard. Small cedar with associated species. Cedar has been strip cut in areas historically.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole	6		Northern White Cedar	Low	5 - 10 feet	Sapling
Balsam Fir	20	Pole	8		Black Ash	Low	5 - 10 feet	Sapling
Northern White Cedar	50	Pole	8	124	Balsam Fir	Low	Variable	Sapling
Balsam Poplar	5	Pole	8					
Black Spruce	10	Pole	8					
Black Ash	10	Pole	8					

16	500 - Water	Nonstocked	10.3		Immature	No	
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17	6118 - Lowland Deciduous with Cedar	Poletimber Medium	220.9	97	51-80	N/A	Lowland ash stand with cedar and other species mixed in. Mostly pole sized trees with sole log sized cedar. Flowing water throughout the stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole/Sapling	6		Black Ash	Low	Variable	Sapling
Black Ash	60	Pole/Sapling	6	97	Balsam Fir	Low	Variable	Sapling
Northern White Cedar	20	Pole/Sapling	6					
Red Maple	10	Pole/Sapling	6					

19	6120 - Lowland Cedar	Poletimber Well	50.4	124		N/A	Deer yard. Small cedar and associated species.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	5	Pole/Sapling	8		Balsam Fir	Low	Variable	Sapling
Balsam Fir	20	Pole/Sapling	8		Black Ash	Low	5 - 10 feet	Sapling
Yellow Birch	5	Pole/Sapling	8		Northern White Cedar	Low	5 - 10 feet	Sapling
Black Spruce	10	Pole/Sapling	8					
Black Ash	10	Pole/Sapling	8					
Northern White Cedar	50	Pole	8	124				