



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45009

Entry Year 2024

Acreage: 611

County Chippewa

Management Area: Drummond Island

Stand Examiner: Josh Brinks

Legal Description:

42N-6E, Sections 20,29,30. Drummond Township

Identified Planning Goals:

Maintain age class diversity within the aspen types and selectively harvest hardwood stands to promote regeneration and stand diversity.

Soil and topography:

Shelter-Posen-Summerville association makes up the majority of the soils in this compartment. These are generally good soils and produce good quality hardwood. Wind throw can be, and is, a problem. Most of compartment can be considered gently rolling.

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

Private land surrounds the compartment. Most of the private land is larger land owners resulting in most of it being undeveloped. There is a private gravel pit NW of the compartment in section 30. The township has a 20 acre inholding at the north end of the compartment that is used by the Drummond Island Sportsman's club as a shooting range. The Rock golf course is just north of the compartment.

Unique Natural Features:

A large pond or small lake exists within the central part of the island and is called Spring Pond. There is a small creek, Kemp Creek, which runs out of the south end of Spring Pond. After entering the compartment the stream goes underground and appears to flow into a pond to the NW of the compartment before flowing out to the lake.

Archeological, Historical, and Cultural Features:

There are several stone fences within this compartment that are likely linked to an old homestead.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment is on Drummond Island, and surrounds Spring Lake. There are no treatments scheduled near this waterbody, so Fisheries has no concerns at this time

Wildlife Habitat Considerations:

This compartment is located in the Drummond Island Management Area where featured wildlife species include black bear, northern goshawk, ruffed grouse, sharp-tailed grouse, and snowshoe hare. It is dominated by northern hardwoods. Spring Pond is near the center, and provides some habitat for waterfowl and wetland species. Aspen and lowland hardwoods and mixed stands are primarily located in the southeastern side southeast of Spring Pond. Parts of the compartment were acquired with state game funds. Wildlife objectives for this compartment include maintaining early successional forest where it exists; encouraging species, age class and structural diversity in northern hardwoods; and protecting wetland areas for waterfowl and other wetland wildlife. Regenerating aspen stands will be allowed to mature, providing for various habitat needs of ruffed grouse, snowshoe hare, and white-tailed deer as they mature. Some tree planting is planned to increase diversity in some northern hardwoods where regeneration has been sparse. Wetlands and other waterbodies will be buffered appropriately.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of thin to discontinuous glacial deposits over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Silurian Manistique and Burnt Bluff Groups subcrop below the thin glacial drift. These formations are quarried for stone/dolomite in Section 23. Gravel pits are located in Section 20 and potential appears to be good. There is no economic oil and gas production in the UP.

Vehicle Access:

Vehicle access is pretty good within the compartment. Small two tracks offer good access especially within the large hardwood type in the NE corner of the compartment.

Survey Needs:

Survey is needed in the SW corner of Section 29 to establish timber sale boundary against private property.

Recreational Facilities and Opportunities:

Hunting for small game and deer are popular within this compartment. Cross country skiing is also popular along the two tracks within the hardwood stands.

Fire Protection:

Access for fire protection would be pretty good given the two tracks that exist within the compartment. The majority of the ground is well drained which provides for a good road bed

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

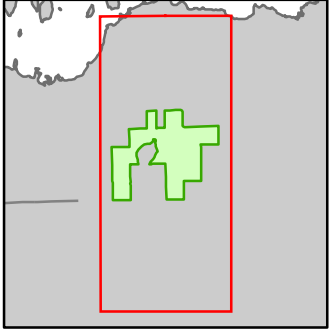
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

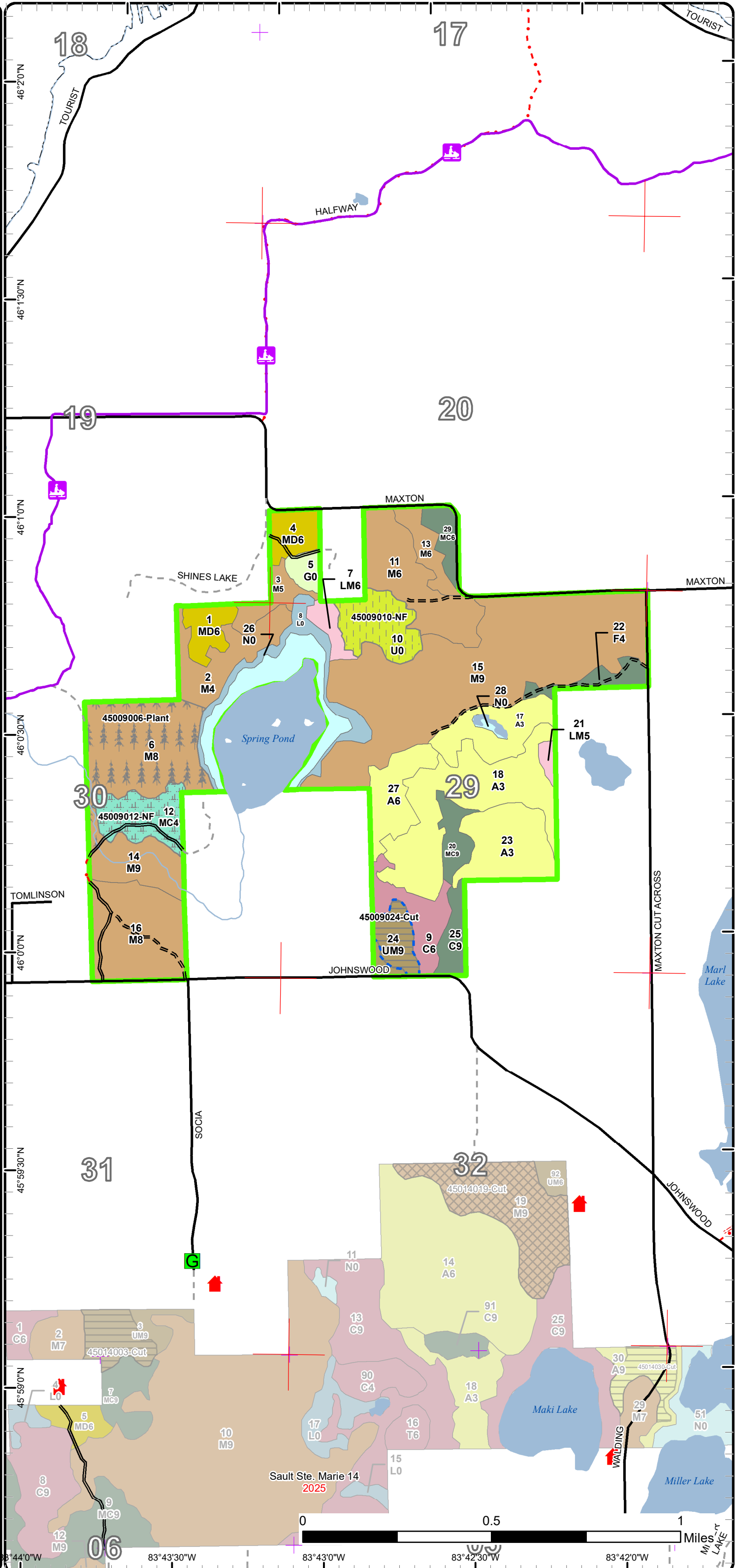
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 9
 T42N,R06E, Sec. 20, 29, 30
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: Drummond Island
 YOE: 2024
 Acres: 610.9 GIS Calculated
 Examiner: Josh Brinks
 Map Revised: 2/6/2023
 Map Phase: Post-Review



- Miris Corners
- ⊕ Remonumented Section Corners
- Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - Private - Dirt / Gravel Road
- 🛷 Snowmobile Trails
- 🛷 Designated Snowmobile Trails
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- 🏠 Cabin
- 🚪 Gate
- 🚪 Compartment Boundary
- 🚪 Treatments with Site Conditions
- 🚪 Other Treatment - See Comments
- 🌲 Planting (Tree Species)
- 🌲 Clearcut (w/Reserves)
- 🌲 Opening Maintenance
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland



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	53	0	48	0	18	0	0	0	0	0	0	0	0	0	0	0	0	119
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	25
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Low-Density Trees	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Lowland Mixed Forest	0	0	0	0	0	3	0	6	0	0	0	0	0	0	0	0	0	0	9
Lowland Shrub	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Marsh	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Mixed Upland Deciduous	0	0	0	10	0	0	0	10	0	0	0	0	0	0	0	0	0	0	20
Northern Hardwood	0	0	0	0	0	0	9	64	0	241	0	0	0	0	0	0	0	0	314
Upland Conifers	0	0	0	0	19	0	0	0	0	0	9	8	0	0	0	0	0	0	36
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	12
Upland Spruce/Fir	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	68	53	0	58	19	29	9	80	0	241	22	8	0	25	0	0	0	0	611



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2024

Acres of Harvest

Compartment 9
Total Compartment Acres: 611

Commercial Harvest -
Harvests with Site Condition - 10
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
Upland Mixed Forest	10	0	0	0	0	0	0	0	0	10
Total	10	0	0	0	0	0	0	0	0	10

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	10	0	50	0	0	0	0	38		99
Next Step	0	0	0	0	19	0	61	0	0	80
Total	10	0	50	0	19	0	61	0	38	179



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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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Approved Treatments:

6	45009006-Plant	50.4	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	81	51-80	Planting	Underplant	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Underplant oak, hemlock, and/or white pine in parts of the stand to increase diversity and improve wildlife habitat. <u>Specs:</u> <u>Next Step</u> Monitoring, Other - Specify <u>Treatments:</u> <u>Acceptable</u> sugar maple, oak, and/or other associated species <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 4 /1 /2023</p>											
10	45009010-NF	19.3	3303 - Mixed Low Density Trees	Nonstocked		Immature	NonForestMgt	Brush Cutting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Maintain the opening for wildlife by cutting trees (mainly spruce/fir and white pine) that are filling it in. Treat invasive species if present as able. Rx burn, chemical treatment, or other appropriate methods are also possible treatments to maintain the opening. <u>Specs:</u> <u>Next Step</u> Burn, Opening <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											
12	45009012-NF	18.7	429 - Mixed Upland Conifers	Poetimber Poor	31	1-50	NonForestMgt	Other - Specify	3302 - Low Density Conifer Trees		No
<p><u>Prescription</u> Scotch pine control via cutting or other appropriate method. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</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
24 45009024-Cut	10.2	4319 - Mixed Upland Forest	Sawtimber Well	93	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees down to 2" in DBH to maintain early successional habitat in much of the stand to benefit deer, ruffed grouse, and other species.</p> <p><u>Specs:</u> Do not cut any pine, oak hemlock, or cedar in patches; scattered cedar may be cut if necessary. Retention will be the cedar in the SW corner of the stand. This has been roughly drawn in.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regen includes aspen, spruce, fir, birch, maple, pine, cedar, tamarack.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

Total Treatment Acreage Proposed: **98.6**

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 9

Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	2I	2G	3A	3L
		With Condition	Not Available					
119	119	0	0	Aspen				
25	0	0	25	Cedar		16		9
5	5	0	0	Herbaceous Openland				
19	19	0	0	Low-Density Trees				
8	0	0	8	Lowland Mixed Forest		3		6
16	16	0	0	Lowland Shrub				
27	27	0	0	Marsh				
20	20	0	0	Mixed Upland Deciduous				
314	296	0	18	Northern Hardwood			18	
35	19	0	16	Upland Conifers				16
13	0	10	2	Upland Mixed Forest	10			2
8	8	0	0	Upland Spruce/Fir				
611	530	10	71	Total Forested Acres	10	19	18	33
	87%	2%	12%	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)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3L: Other wildlife concerns	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: WLD does not want us to cut cedar							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Compartment: 9

Josh Brinks : Examiner

Year of Entry: 2024

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
<p>Comments: Stand is too wet and contains too much cedar.</p>							
4	Unavailable	3L: Other wildlife concerns	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<p>Comments: Cedar is 40 % but stand is wet and provides a wild life corridor/buffer.</p>							
5	Unavailable	3L: Other wildlife concerns	9	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: WLD does not want us to cut the cedar</p>							
6	Unavailable	3L: Other wildlife concerns	8	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Stand contains too much cedar for us to harvest</p>							
7	Unavailable	3L: Other wildlife concerns	2	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<p>Comments: Pocket of cedar that WLD does not want us to cut that will serve as retention.</p>							
8	Available	2I: Survey needed	10	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 9

Year of Entry: 2024

9	Unavailable	3A: Conservation Values incompatible with harvest at this time	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments: MNFI has classified this as a mesic northern forest							

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	Great Lakes Islands	Great Lakes Islands provide significant habitat for numerous species, including many rare plants and animals, several of which are endemic or largely restricted to the Great Lakes region. Due to their isolation, islands provide good examples of many Great Lakes-associated natural communities and ecosystems, and thus have potential to provide insights for understanding the consequences of human disturbance on the increasingly fragmented ecosystems of the mainland.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
1	4199 - Other Mixed Upland Deciduous	Poletimber Well	9.8	24	1-50	N/A	Part of the stand was cut and part of the stand looks like small diameter conifer and deciduous growing on shallow soil. Small pole and sapling sized stand. The west side of the stand is decent aspen while the east is more mixed and of lower quality.																																																														
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2	4111 - S.Maple, Hard Mast Association	Poletimber Poor	21.3	61	1-50	N/A	Looks like white birch and beech was cut during last timber sale. What remains is scattered poor quality sugar maple with beech and ironwood regeneration underneath. Crown dieback is occurring in the sugar maple. I typed out the overstory as the mature sugar maple and beech that is around 50 years old. The understory is 23 years old as the last cut was that old. The mature canopy is fairly sparse. Beech scale is present on the regeneration.																																																														
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3	4110 - Sugar Maple Association	Poletimber Medium	8.6	61	51-80	N/A	Beech was removed from this stand in 2014 (Top Shot Beech). There is a lot of beech regeneration in the harvested areas, most of it is stump sprouts less than 5' tall.																																																														
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Beech	High	5 - 10 feet	Sapling																																																																		
4	4199 - Other Mixed Upland Deciduous	Poletimber Well	10.4	66	1-50	N/A	Stand is a mix of numerous species. Soil must be poor, trees look to be growing slowly, probably on rock. Sugar maple is poor quality and small diameter. Balsam regen is quite thick.																																																														
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5	310 - Herbaceous Openland	Nonstocked	5.2		Unspecified	No																																																															



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6	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	50.4	81	51-80	N/A	sale 45-002-13-01, areas that were cut have almost no regen, raspberry and some bam. There is higher BA in some areas where there was no beech. Area adjacent to Spring Pond was not harvested.																																																																					
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7	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	5.8	64	51-80	N/A	Stand of young cedar and tamarack mixed with aspen, bam, etc... Southern part of stand is more wet than North part. The stand is more mixed to the south with better cedar to the south. There are a few ridges of higher ground mixed in.																																																																					
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8	622 - Lowland Shrub	Nonstocked	15.8		Unspecified	No	There is some scattered cedar and tamarack in this area, very little tag alder or other shrubs.																																																																					
9	6120 - Lowland Cedar	Poletimber Well	16.4	121	51-80	N/A	This stand is very wet, I was breaking through ice as I walked across it. The stand is a mix of ash and cedar. The cedar is in rough shape. More ash mixed in at the south end.																																																																					
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10	3303 - Mixed Low Density Trees	Nonstocked	19.3		Immature	No	Opening that is filling in with white pine, paper birch, balsam poplar, tamarack, white spruce.																																																																					
11	4119 - Mixed Northern Hardwoods	Poletimber Well	33.7	61	51-80	N/A	Beech was removed from this stand in 2014. Balsam fir understory is thick in spots. Stand is generally of smaller diameter than the hardwood stand to the south, I would guess that has to do with the soil being shallower here. Regen in harvested areas is not great.																																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
12	429 - Mixed Upland Conifers	Poletimber Poor	18.7	31	1-50	N/A	OI typed this stand as a grass opening but it looks to be filling in. Stand is a mix of conifer, sugar maple and aspen. Impressive how the tamarack and white pine are filling in. Juniper bushes throughout and a few scotch pine. There is a patch of younger aspen in the east end of the stand. Property owner on spring pond told me there was an old sugar shack in the NE corner of the opening many years ago. Very unique stand for Drummond.					
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size		
Red Pine		1	Pole	6		White Spruce		Low	< 5 feet	Sapling		
White Spruce		5	Sapling/Pole	4		Juniper		Medium	5 - 10 feet	Tall Shrub		
Sugar Maple		24	Pole	8		White Pine		Medium	Variable	Sapling		
Quaking Aspen		5	Pole	6								
Tamarack		30	Pole/Sapling	6								
White Pine		30	Pole/Sapling	5	31							
Jack Pine		5	Sapling	2								
13	4111 - S.Maple, Hard Mast Association	Poletimber Well	9.0	52	51-80	N/A		This is a pole sized hardwood stand or poor quality. Ash and beech in the stand with some basswood. These tend to be of larger diameter and older. There is a thick balsam fir understory which is mostly 20'+ and you can now walk underneath it rather than through it.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size	
Sugar Maple		57	Pole	7	52	Balsam Fir			Full	Variable	Sapling	
Paper Birch		2	Pole/Log	9								
Ironwood		10	Pole	8								
White Ash		10	Log/Pole	12								
Basswood		10	Log	13								
Beech		10	Pole/Log	9								
Red Oak		1	Log	14								
14	4110 - Sugar Maple Association	Sawtimber Well	18.4	81	51-80	N/A	Very unique stand. A low swale that has a mix of basswood, sugar maple and yellow birch. Swale is tied into spring pond, landowner on spring pond states that it is a karst feature and the stream goes underground at some point. Stand contains a lot of different species of ferns. I typed it out as an upland site but in years with a lot of water it probably could be considered lowland. Decent amount of advanced regeneration that is over 20' tall.					
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size		
White Ash		5	Log	16		Sugar Maple		Medium	>20 feet	Sapling		
Black Ash		5	Pole	8		Beech		Low	5 - 10 feet	Sapling		
Sugar Maple		80	Log	16	81	Green Ash		Low	10 - 20 feet	Sapling		
Yellow Birch		5	Log	14		Ironwood		Low	Variable	Sapling		
Basswood		5	Log	14								
15	4110 - Sugar Maple Association	Sawtimber Well	132.8	81	51-80	N/A		Beech was removed from this stand in 2014. There were areas of the stand left untreated and have a higher BA. Beech is prevalent in the finger east of spring pond but is not in good shape. In areas where beech was removed there isn't much regen yet, some stump sprouts of beech, along with balsam poplar and spruce.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size	
White Ash		1	Log	14		Balsam Fir			Trace	5 - 10 feet	Sapling	
Yellow Birch		1	Log	14		White Spruce			Trace	< 5 feet	Sapling	
Quaking Aspen		2	Log	13		Balsam Poplar			Trace	5 - 10 feet	Sapling	
Paper Birch		1	Pole	8		Beech			High	Variable	Sapling	
Sugar Maple		81	Log/Pole	13	81	Sugar Maple			Low	Variable	Sapling	
Basswood		7	Log	14		Ironwood			Low	Variable	Sapling	
Beech		5	Log	13								
Ironwood		2	Pole	6								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
16	4110 - Sugar Maple Association	Sawtimber Medium	39.9	81	51-80	N/A	Beech was removed as part of Spring Pond Beech. Not much regen in the harvested area. Very little sugar maple regen in this stand. BA is higher in the north.																																																	
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17	4130 - Aspen	Sapling Well	20.6	24	Immature	N/A	Stand of decent young aspen with sugar maple mixed in. There are patches of hardwoods mixed into this stand.																																																	
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18	4136 - Aspen, Mixed Conifer	Sapling Well	52.8	7	Immature	N/A	sale 45-002-11-01, cedar, hemlock, and hardwoods reserved. There were several areas where small diameter fir and aspen were left standing. 2022-the stand is now fully stocked with aspen regeneration. Some of the smaller trees that were left have died and blown over. scattered mature trees throughout.																																																	
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20	42380 - Non Pine Upland Conifer, Mixed Deciduous	Sawtimber Well	8.6	98	111-140	N/A	This is a mixed stand dominated by cedar overtopped with aspen. There are some lower areas in the stand.																																																	
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21	613 - Lowland Mixed Forest	Poletimber Medium	2.6	46	51-80	N/A	Did not make it to this stand. Looks like a very wet stand with cedar, fir, tam, aspen, ash.																																																	
22	42340 - Upland Spruce/Fir	Poletimber Poor	8.4	41	81-110	N/A	Old grass opening filling in with white spruce and sugar maple.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
23	4136 - Aspen, Mixed Conifer	Sapling Well	27.7	27	Immature	N/A	Stand is a mix of aspen and tamarack, makes for an interesting combo. Impressed with the amount of cedar regen in the stand.																																																			
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24	4319 - Mixed Upland Forest	Sawtimber Well	12.5	93	81-110	N/A	This stand is mostly a mixed stand dominated by aspen with scattered cedar. There is very nice cedar in the SW corner of the stand. The aspen is starting to blow over.																																																			
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25	42360 - Upland Cedar	Sawtimber Well	8.9	121	141-170	N/A	Very nice stand of cedar that is park like. Balsam fir is patchy. Lots of burnt stumps.																																																			
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26	6239 - Mixed Emergent Wetland	Nonstocked	25.7			No																																																				
27	4136 - Aspen, Mixed Conifer	Poletimber Well	18.2	42	51-80	N/A	This is a stand of younger aspen, there are some scattered large log aspen. Pockets of hardwood in this stand. Scattered cedar throughout. The balsam fir understory is mostly over 10' tall.																																																			
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28	6239 - Mixed Emergent Wetland	Nonstocked	1.6	0	Unspecified	No	Low area that is seasonally flooded with scattered aspen.																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	7.8	109	81-110	N/A	Stand consists of a mix of cedar, aspen and white spruce. The aspen and spruce are very scattered and poor quality. The cedar looks in decent condition. A thick balsam fir understory exists within the stand.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	20	Pole	8	
Quaking Aspen	20	Log/Pole	11	
Northern White Cedar	50	Log/Pole	10	109
Tamarack	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	Variable	Pole
Balsam Fir	Full	Variable	Sapling
White Spruce	Low	5 - 10 feet	Sapling