



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45054

Entry Year 2024

Acreage: 1,124

County Chippewa

Management Area: Rudyard Silty Lake Plain

Stand Examiner: Josh Brinks

Legal Description:

T45N- R1E Secs. 25,26,30,35,36 Bruce Township

Identified Planning Goals:

Past management has focused on the regeneration of aspen. This trend will continue during this planning period. Management will be focused on mature patches of timber along with starting to break up the age classes of aspen in this compartment.

Soil and topography:

This glacial outwash area is nearly flat on the Northwest and then drops off abruptly in the Southeast where mucks and wet clays are found. An apparent anomaly to the flatness is an area locally known as "The Mountain", which is an abrupt hill that consists of a mix of sand, cobble stone and clay. The mountain is located in the NWNW of section 36.

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

Private holdings are located on all sides of the compartment except to the South, this is state land.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

None known at this time.

Special Management Designations or Considerations:

This compartment is within the Munuscong Bay State Wildlife Management Area.

Watershed and Fisheries Considerations:

This compartment is within the Munuscong River/St. Marys River watershed. There are no waterbodies within this compartment, so Fisheries has no concerns at this time.

Wildlife Habitat Considerations:

This compartment is located in the Munuscong Wildlife Management Area where featured wildlife species include American bittern, American woodcock, mallard, sharp-tailed grouse, and white-tailed deer. The compartment is north of Munuscong Bay and consists of a mix of upland and lowland types. A long opening exists in uplands on the western side. Aspen is dominant around that and extending to the northeast and southwest, providing habitat for white-tailed deer, ruffed grouse and American woodcock. The eastern side, particularly southeast, is dominated by lowland forested and scrub/shrub cover is dominant. Tamarack, balsam poplar, black spruce, alder, and willow are common, providing habitats used by white-tailed deer, snowshoe hare, and American woodcock. Wildlife objectives include diversifying age classes in aspen types, retaining important mast producing species such as oak and hazelnut where present, and maintaining the opening. Aspen treatments, both upland and lowland, will help to create age class diversity in this area. Species benefitting from this management include deer, hare, ruffed grouse, and woodcock.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and lacustrine (lake) clay, silt, sand and gravel. The glacial drift thickness varies between 100 and 200 feet. The Ordovician Trenton and Black River Formations subcrop below the glacial drift. These formations are quarried for stone/dolomite. The compartment has a gravel pit located in Section 25 and potential appears to be good in the central upland areas. There is no economic oil and gas production in the UP.

Vehicle Access:

Good access within the compartment.

Survey Needs:

Survey is needed in Section 30 to establish a timber sale boundary.

Recreational Facilities and Opportunities:

Mostly hunting and gathering occurs within this compartment. No ORV trails exist within the compartment.

Fire Protection:

Access into this compartment for fire purposes would be good within the Southern and central part of the compartment.
Access within the L types would be difficult due to no roads and wet soils.

Additional Compartment Information:

The following reports from the Inventory are attached:

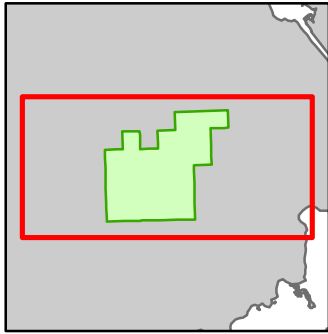
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

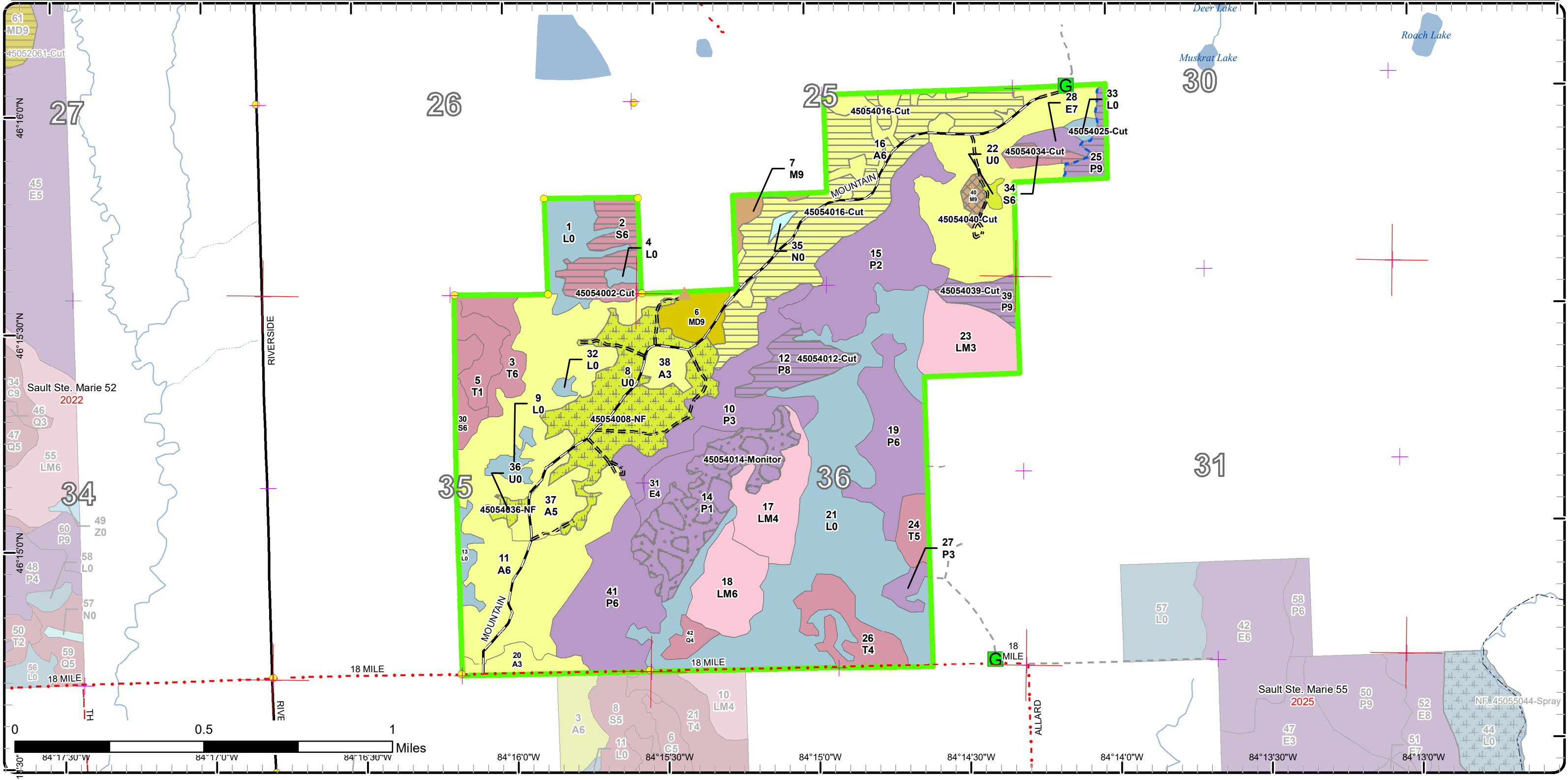
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 54
 T45N, R01E, Sec: 25, 26, 35, 36
 T45N, R02E, Sec: 30
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: Rudyard Silty Lake Plain
 YOE: 2024
 Acres: 1123.5 GIS Calculated
 Examiner: Josh Brinks
 Map Revised: 2/6/2023
 Map Phase: Post-Review

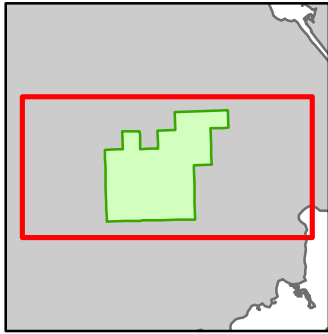


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- ▲ Berms
- G Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Selection (Group / Single Tree)
- Clearcut (w/Reserves)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland

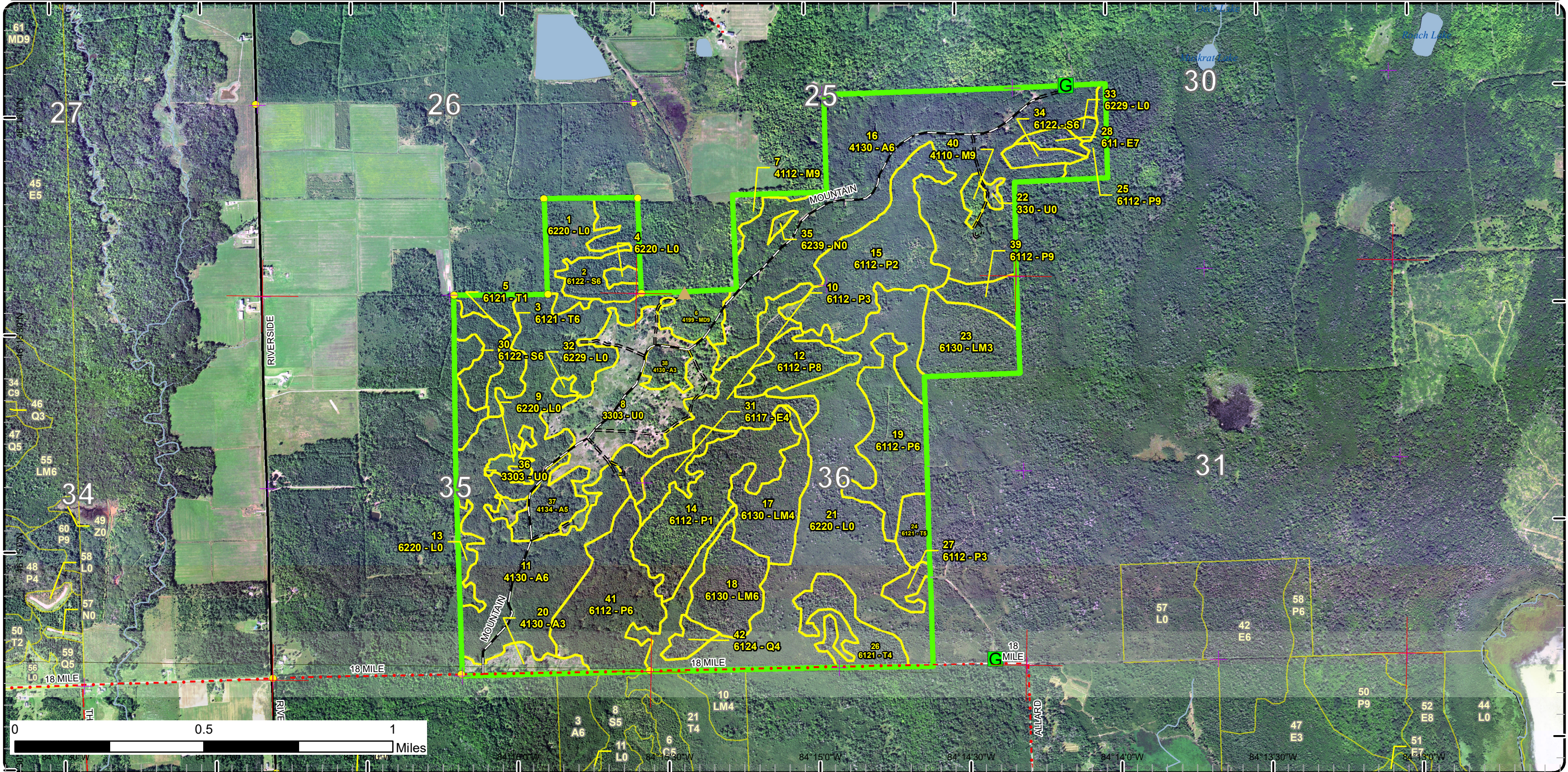


Stand Boundary Map

Compartment: 54
 T45N, R01E, Sec: 25, 26, 35, 36
 T45N, R02E, Sec: 30
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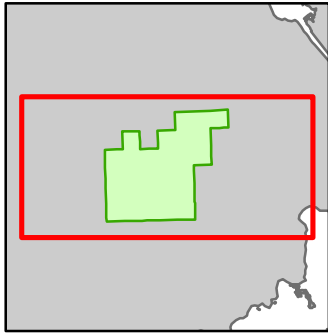


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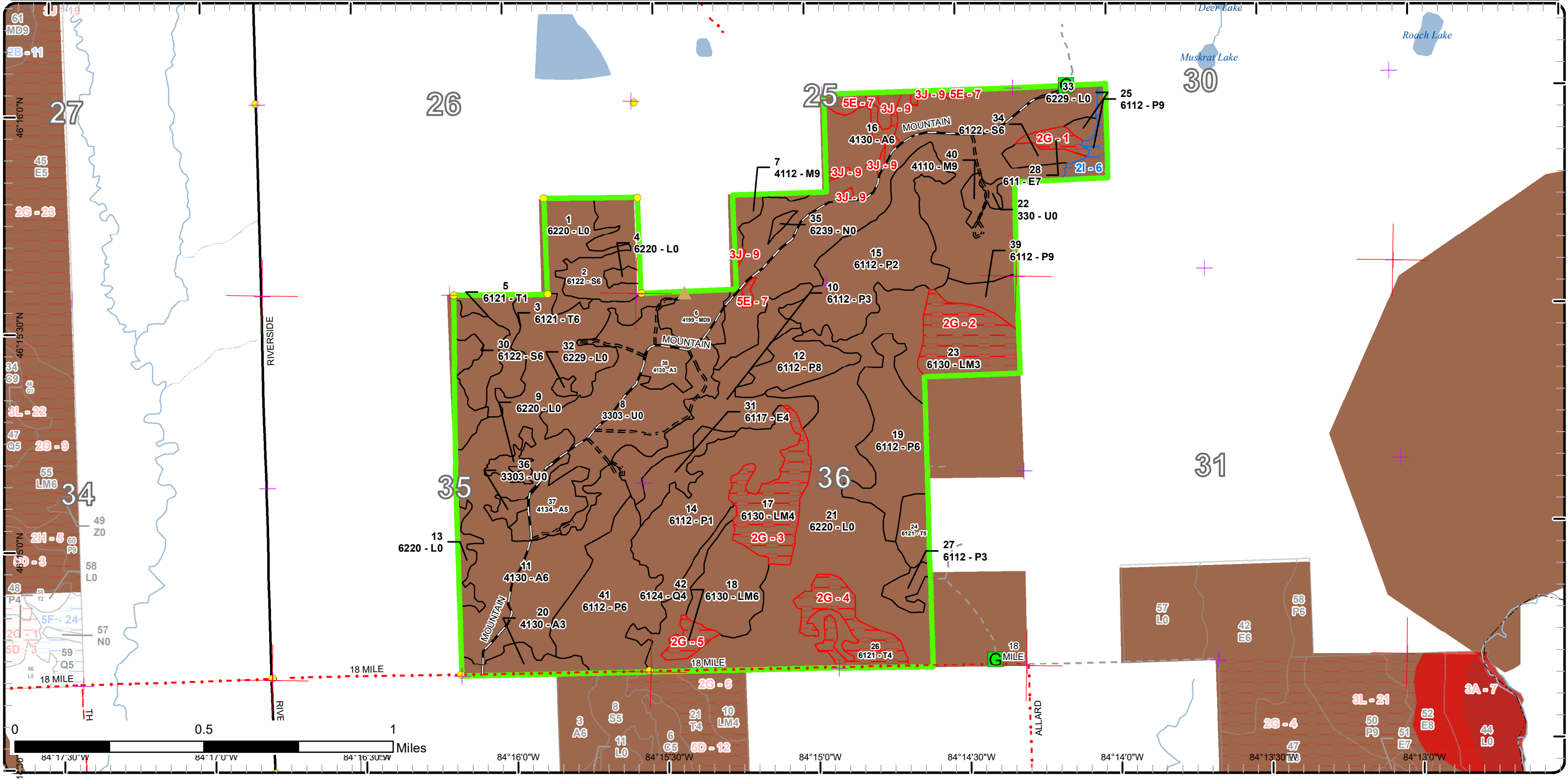


Special Conservation Areas

Compartment: 54
 T45N, R01E, Sec: 25, 26, 35, 36
 T45N, R02E, Sec: 30
 County: Chippewa
 Unit: Sault Ste. Marie
 Mgmt Area: Rudyard Silty Lake Plain
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- Private - Dirt / Gravel Road
- Berms
- Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Coastal Environmental Areas
- Deer Winter Range
- Wildlife Management Areas



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	11	8	0	319	16	0	0	0	0	0	0	0	0	0	0	0	0	354
Low-Density Trees	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70
Lowland Aspen/Balsam Poplar	0	50	58	45	90	0	10	18	0	8	0	0	0	0	0	0	0	0	279
Lowland Conifers	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Deciduous	0	0	0	0	0	12	0	0	0	5	0	0	0	0	0	0	0	0	17
Lowland Mixed Forest	0	0	0	0	0	26	30	0	28	0	0	0	0	0	0	0	0	0	84
Lowland Shrub	197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197
Lowland Spruce/Fir	0	0	0	0	0	0	9	22	0	6	0	0	0	0	0	0	0	0	37
Marsh	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	13
Northern Hardwood	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
Tamarack	0	13	0	0	37	9	0	0	0	0	0	0	0	0	0	0	0	0	58
Total	268	74	66	45	446	69	49	40	50	19	0	0	0	0	0	0	0	0	1125



Report 2 – Treatment Summary

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

Acres of Harvest

Compartment 54
Total Compartment Acres: 1,124

Commercial Harvest - 150
Harvests with Site Condition - 8
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	92	0	0	0	0	0	0	0	0	92
Lowland Aspen/Balsam Poplar	36	0	0	0	0	0	0	0	0	36
Lowland Spruce/Fir	26	0	0	0	0	0	0	0	0	26
Northern Hardwood	0	4	0	0	0	0	0	0	0	4
Total	154	4	0	0	0	0	0	0	0	158

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	158	0	0	0	0	0	50	0	68	276
Next Step	0	0	0	0	0	0	158	0	0	158
Total	158	0	0	0	0	0	207	0	68	434



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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Approved Treatments:

2	45054002-Cut	22.2	6122 - Black Spruce Poletimber	Well	66	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Treatment size will vary as areas of unmerchantable timber and wet areas are excluded from the treatment. Cut all trees that are 2" or more in DBH. Do not cut any cedar, pine, hemlock, oak or yellow birch. Areas excluded from the treatment will serve as retention.</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 Regen:</u> Acceptable regen includes spruce, tamarack, fir, birch, aspen, maple, ash, pine and cedar.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
8	45054008-NF	65.4	3303 - Mixed Low Density Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Openings maintenance by brush cutting, mowing, burning, or other appropriate method.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
12	45054012-Cut	17.7	6112 - Lowland Aspen	Sawtimber Medium	62	1-50	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> cut all trees that are greater than 2" in DBH. Do not cut oak, pine, cedar, hemlock or yellow birch. The treatment size and shape is likely to vary as wet areas and unmerchantable areas are excluded form the stand. If the treatment is over 10 acres than leave patches of retention.</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 Regen:</u> Acceptable regen includes aspen, spruce, fir, ash, maple, oak, birch, pine and cedar.</p> <p><u>Other Comment:</u> This treatment is truly scraping the bottom of the barrel. treating it would help to restart the stand but if much more blows over this will not be worth harvesting. When setting up the stand determine if this is still worth setting up.</p> <p><u>Site Condition</u></p> <p><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
14 45054014-Monitor	49.5	6112 - Lowland Aspen	Sapling Poor	7	Immature	Monitoring	Natural Regen (Re-Inventory)	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> regen check as per the work instructions. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable Regen:</u> Acceptable regen includes aspen, ash, spruce, fir, maple, birch, tamarack, cedar and pine. <u>Other Comment:</u> per conversation with TMS, we should check this regen again during the next inventory. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2031</p>										
16 45054016-Cut	92.4	4130 - Aspen	Poletimber Well	38	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees that are greater than 2" in DBH. Do not cut oak, pine, cedar, hemlock or yellow birch. Keep the treatment size less than 100 acres. Exclude areas dominated by hardwood and buffers for vernal pools, drainages and streams. Follow BMP's. These will serve as retention. An estimate of these areas have been drawn in and included in site conditions. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Acceptable regen includes aspen, birch, spruce, fir, maple, oak, pine and ash. <u>Other Comment:</u> We are entering this aspen stand a little early to break up the age classes in the area. This portion of the stand has the largest timber and there has not been much recent cutting this far north in the compartment. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>										
25 45054025-Cut	7.8	6112 - Lowland Aspen	Sawtimber Well	84	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees that are greater than 2" in DBH. Do not cut any pine, oak, cedar, or hemlock. No retention due to small size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Acceptable Regen includes aspen, spruce, fir, maple, ash, birch, and pine <u>Other Comment:</u> <u>Site Condition</u> Survey Needed <u>Proposed Start Date:</u> 10/1 /2023</p>										
34 45054034-Cut	3.7	6122 - Black Spruce	Poletimber Well	84	81-110	Harvest	Clearcut	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut all trees that are 2" or more at DBH. Do not harvest any cedar or white pine. No retention needed due to small size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable Regen:</u> Acceptable regen includes black spruce, tamarack, fir, white pine and cedar. <u>Other 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
36 45054036-NF	3.0	3303 - Mixed Low Density Trees	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Openings maintenance by brush cutting, mowing, burning, or other appropriate method.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
39 45054039-Cut	10.3	6112 - Lowland Aspen	Sawtimber Well	58	111-140	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees that are greater than 2" in DBH. Do not cut any oak, pine, cedar, yellow birch or hemlock. This treatment will likely be less than 10 acres once lines are complete and will not need any more retention besides the no cut species.</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 Regen:</u> Acceptable regen includes aspen, birch, ash, spruce, fir, maple, cedar and pine.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
40 45054040-Cut	3.7	4110 - Sugar Maple Association	Sawtimber Well	76	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Thin stand to 80 BA. Leave under represented species when possible to increase diversity.</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 Regen:</u> Acceptable regen includes maple, birch, basswood, oak, spruce and fir.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

Total Treatment 275.7
Acreage Proposed:

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 54

Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions				
Acres	Available	With Condition	Not Available	2I	2G	3J	5D	5E
353	340	0	13	Aspen			8	5
70	70	0	0	Low-Density Trees				
278	271	8	0	Lowland Aspen/Balsam Poplar	8		0	
6	0	0	6	Lowland Conifers		6		
17	12	0	5	Lowland Deciduous		5		
84	26	0	58	Lowland Mixed Forest		58		
196	196	0	0	Lowland Shrub			0	
37	37	0	0	Lowland Spruce/Fir				
1	1	0	0	Marsh				
13	13	0	0	Mixed Upland Deciduous				
9	9	0	0	Northern Hardwood				
59	37	0	22	Tamarack		22		
1,124	1,013	8	103	Total Forested Acres	8	90	8	0
	90%	1%	9%	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)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Josh Brinks : Examiner

Compartment: 54

Year of Entry: 2024

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	2I: Survey needed	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Areas of hardwood regen that serve as retention.							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Buffers along drainages/streams and vernal ponds. Also serves as retention.							

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	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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
1	6220 - Alder/willow	Nonstocked	19.6		Unspecified	No	L type with scattered spruce, tamarack, paper birch and fir.																																																			
2	6122 - Black Spruce	Poletimber Well	22.2	66	81-110	N/A	This is a variable stand which is best seen in the leaf off CIR photos. There are patches of mature spruce that are of decent quality with little in the understory. The more wet areas in the stand have an open canopy of tamarack with tag alder in the understory. There is a small inclusion on the north end of the stand of what looks like lowland hardwood/aspens type.																																																			
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6	4199 - Other Mixed Upland Deciduous	Sawtimber Well	12.8	71	51-80	N/A	Stand is up on a large knob (mountain) of sand and gravel. Stand consists of a mix of hardwood with young bigtooth scattered within it. Stand must of been thinned hard in the past and bigtooth filled in afterwards. The aspen is mostly located at the top of the hill with hardwood on the slopes.																																																			
7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	5.5	71	81-110	N/A	Stand of good quality sugar maple and red maple logs and poles. Stand has been managed in the past, Bigtooth has regenerated in a few of the canopy gaps. Some decent sugar maple regeneration exists as well.																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	3303 - Mixed Low Density Trees	Nonstocked	65.4		Unspecified	Managed Opening	This stand is filling in with trees. I would imagine in the future it becoming a forested stand unless we intentionally set it back.
9	6220 - Alder/willow	Nonstocked	5.1			No	
10	6112 - Lowland Aspen	Sapling Well	39.6	38	Unspecified	N/A	Transition from high ground to low ground. Aspen is doing well, some pockets of tag alder and balsam fir are quite thick.
11	4130 - Aspen	Poletimber Well	140.6	38	81-110	N/A	Decent stand of aspen but it has a fair amount of hypoxylon. Large burr oak exists here and there within the stand 12"-16". Lots of ice damage. Areas of grass understory
12	6112 - Lowland Aspen	Sawtimber Medium	17.7	62	1-50	N/A	This stand is in decline with a decent amount of aspen having already died out of the stand. The ground is very wet in areas and supports pockets of black ash. There is some better ground in the center of the stand. Under the scattered canopy of larger trees is a nearly fully stocked sub canopy layer of varying size classes.
13	6220 - Alder/willow	Nonstocked	6.0			No	
14	6112 - Lowland Aspen	Sapling Poor	49.5	7	Immature	N/A	Stand was cut as part of Swamp Mountain Mix in 2016. There are some areas that have decent aspen regen. There are scattered stump sprout red maple throughout. Most of the red maple are showing signs of browse, it looks like we had a moose in this stand as some of the browse is over my head. Regen is very sparse over most of the stand with cattails and what I am calling marsh grass. There are scattered residual trees across the stand along with retention patches.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
15	6112 - Lowland Aspen	Sapling Medium	58.4	16	Immature	N/A	Stand was clearcut in 2007. Aspen and bam regeneration has flushed back very well. Decent amount of red maple trying to compete with the aspen. Fir getting established in understory.																																																					
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16	4130 - Aspen	Poletimber Well	178.0	38	81-110	N/A	Nice stand of aspen. some oow areas with grass. some sapling areas. fair amount of rm that will be making it into the canopy in the future. damage from ice storm, bent and snapped off																																																					
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17	6130 - Fir, Aspen, Maple	Poletimber Poor	28.1	70	1-50	N/A	High water table within stand. Stand is mostly tag with balsam fir, black ash, and bam mixed in. Stand is in tough shape between the water, sbw, and eab.																																																					
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18	6130 - Fir, Aspen, Maple	Poletimber Well	26.2	41	51-80	N/A	A small pocket of mature black spruce exists in the SW corner of stand but it's too small to delineate. Stand makes for good rabbitat. Most of the fir understory is over 10+ tall now. the stand is a mix of aspen and black spruce. There is some slight topography in this stand.																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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19	6112 - Lowland Aspen	Poletimber Well	39.2	25	51-80	N/A	Cut in 1998. Nice stand of aspen regeneration with pockets of tag alder here and there.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		65	Pole/Sapling	5	25	Quaking Aspen		Medium	Variable	Sapling
Red Maple		5	Pole/Sapling	5		Balsam Fir		Medium	Variable	Sapling
Balsam Fir		10	Pole/Sapling	5		Tag Alder		Medium	Variable	Tall Shrub
Paper Birch		5	Sapling/Pole	4		Red Maple		Low	5 - 10 feet	Sapling
Black Spruce		5	Pole/Sapling	5						
Balsam Poplar		10	Sapling/Pole	4						

20	4130 - Aspen	Sapling Well	11.2	7	Immature	N/A	Stand was cut as part of Swamp Mountain Mix in 2016. Decent flush of aspen with red maple and birch.			
Canopy Species		% Cover	Size Class	DBH	Age					
Balsam Poplar		10	Sapling	1						
Red Maple		10	Sapling	1						
Balsam Fir		5	Sapling	2						
White Pine		2	Log	16						
Quaking Aspen		68	Sapling	1	7					
Paper Birch		5	Sapling	1						

21	6220 - Alder/willow	Nonstocked	159.3		Unspecified	No	
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22	330 - Low-Density Trees	Nonstocked	1.9			No	filling in with maple, aspen, fir
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23	6130 - Fir, Aspen, Maple	Sapling Well	29.5	57	1-50	N/A	Stand of stagnant balsam fir, black ash and bam. High water table within the stand. Stand is older but trees are stagnant.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Ash		20	Sapling	3		Tag Alder		Medium	Variable	Tall Shrub
Northern White Cedar		1	Log/Pole	12		Balsam Fir		High	Variable	Sapling
Black Spruce		5	Pole	8		Balsam Poplar		Low	Variable	Sapling
Balsam Poplar		20	Sapling	2						
Tamarack		5	Pole	7						
Quaking Aspen		5	Pole/Sapling	5						
Balsam Fir		44	Sapling	3	57					

24	6121 - Tamarack	Poletimber Medium	9.1	48	51-80	N/A	Small patch of tamarack and black spruce. There is some non forested lowlands mixed in.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		50	Pole	5		Black Spruce		Low	Variable	Sapling
Tamarack		50	Pole	5	48	Tamarack		Medium	Variable	Sapling
						Tag Alder		Medium	5 - 10 feet	Tall Shrub



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25	6112 - Lowland Aspen	Sawtimber Well	7.8	84	81-110	N/A	The ground in this stand is very wet. The stand is variable with areas of tag alder. At least one super large white pine was noted during the last inventory. This strip of mature timber was likely left during the harvest because it was too wet.																																																										
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26	6121 - Tamarack	Poletimber Poor	22.0	36	1-50	N/A	There is a decent area of tamarack in the SE corner of the stand. Outside of that area the canopy becomes more opened and the stand starts to mix in with black spruce, and fir with an understory of tag alder.																																																										
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27	6112 - Lowland Aspen	Sapling Well	5.6	25	Immature	N/A	Decent stand of aspen that is noticeably smaller than the stand to the north. I assume they were cut at the same time.																																																										
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28	611 - Lowland Deciduous Forest	Sawtimber Poor	4.9	84	1-50	N/A	The ground in this stand is very wet. The stand is variable with areas of tag alder. At least one super large white pine was noted during the last inventory. The canopy trees include red maple, balsam fir, and aspen.																																																										
30	6122 - Black Spruce	Poletimber Well	9.0	50	81-110	N/A	Smaller pole size black spruce that is growing on very wet ground.																																																										
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31	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	12.0	45	1-50	N/A	Scattered aspen, red maple and cedar over tag alder. Stand is very wet. Some of it may have been picked through in the past as there are ruts still evident in the stand.																																																																										
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32	6229 - Mixed lowland shrub	Nonstocked	1.5	0		No																																																																											
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34	6122 - Black Spruce	Poletimber Well	5.8	84	81-110	N/A	Small stand of black spruce with some tamarack. The north "half" of the stand is merchantable and should be harvested, the south "half" is sapling sized and too small at this time.																																																																										
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35	6239 - Mixed Emergent Wetland	Nonstocked	1.4	0		No	low area of grass and shrubs.																																																																										
36	3303 - Mixed Low Density Trees	Nonstocked	3.0		Unspecified	Managed Opening																																																																											
37	4134 - Aspen, Spruce/Fir	Poletimber Medium	15.5	41	1-50	N/A	This stand was originally part of the opening but has filled in with trees. There is a scattered canopy of pole sized trees with a pretty fully stocked sub canopy of aspen. The sapling size trees are showing signs of ice damage.																																																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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38	4130 - Aspen	Sapling Well	7.9	17	Immature	N/A	Pocket of aspen regen in the opening. Some larger trees scattered within the stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Sapling/Pole	3	
White Spruce	5	Sapling/Pole	3	
Quaking Aspen	45	Sapling/Pole	3	17
Paper Birch	5	Sapling/Pole	3	
Red Maple	5	Pole/Sapling	5	
Bigtooth Aspen	30	Pole/Sapling	5	
Red Oak	5	Sapling/Pole	3	

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	5 - 10 feet	Sapling
Aspen (spp.)	Medium	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling

39	6112 - Lowland Aspen	Sawtimber Well	10.3	58	111-140	N/A	Low, wet stand but mostly operable. Some standing water. Eastern portion is better ground.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	15	Pole	8	
Balsam Poplar	25	Log	14	58
Red Maple	13	Log	14	
Quaking Aspen	25	Log	15	
Northern White Cedar	2	Log	14	
Paper Birch	5	Log	14	
Black Ash	15	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	Variable	Sapling
Red Maple	Medium	5 - 10 feet	Sapling
Balsam Fir	Medium	Variable	Sapling

40	4110 - Sugar Maple Association	Sawtimber Well	3.7	76	81-110	N/A	Small hardwood stand with decent maple regeneration.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log/Pole	13	
Basswood	10	Log	14	
Yellow Birch	1	Log	15	
Red Oak	1	XLog/Log	18	
Sugar Maple	78	Log/Pole	13	76

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

41	6112 - Lowland Aspen	Poletimber Well	50.2	38	81-110	N/A	Decent stand of aspen but it has a fair amount of hypoxylon. Large burr oak exists here and there within the stand 12"-16". Lots of ice damage. Areas of grass understory.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole/Sapling	6	
Red Maple	10	Pole/Sapling	5	
Quaking Aspen	70	Pole	7	38
Bigtooth Aspen	10	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Hazelnut (Spp.)	Medium	Variable	Tall Shrub
Red Oak	Trace	5 - 10 feet	Sapling
White Spruce	Low	Variable	Sapling
Tag Alder	Medium	Variable	Tall Shrub
Balsam Fir	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42	6124 - Lowland Spruce-Fir	Poletimber Poor	5.6	41	1-50	N/A	This stand has a fairly open canopy with tag alder and aspen regen in the understory. Very wet ground.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	30	Pole/Sapling	5	41
Paper Birch	10	Pole/Sapling	6	
Tamarack	5	Pole	6	
Quaking Aspen	30	Pole/Sapling	6	
Black Spruce	25	Pole	6	