



Sault Ste Marie Forest Management Unit
Compartment Review Presentation
Compartment #119 **Entry Year: 2012**
Compartment Acreage: 1,883 **County: Mackinac**

Revision Date: July 12, 2010

Stand Examiner: Cory Luoto

Legal Description: T43N R6W Sections: 31, 32; T42N R6W Section: 6; Hendricks Township

Identified Planning Goals ('Management Area' or 'RMU', if applicable): Mackinac Mix

Management Goals: This compartment is located approximately two miles east of Epoufette. The timber types within this compartment include; northern hardwoods, white pine, birch, aspen, cedar, lowland hardwoods, fir and inclusions of bog types, other lowlands, grassy openings, and it also has three red pine plantations. The aspen, birch, and spruce – fir types are regenerating nicely and the hardwoods and hemlock need regular treatment to promote health and growth. Opening maintenance is required in several grassy opening or they will be lost to the spruce – fir type

Soil and Topography: Lowlands and swamps consist primarily of Markey and Carbondale mucks, with Spot-Finch and Markey-Spot-Finch Complexes. Upland are generally Amadon-Rock outcrop complex, Menominee loamy sand, Wallace sand, and Paquin sand. Level lowlands to rolling uplands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is surrounded by state land on the north, west, and east sides. The western half of the south edge of section six is bordered by private land. Section six has a private forty in the SWSW.

Unique, Natural Features: Little Brevoort River flows within this compartment.

Archeological, Historical, and Cultural Features: None

Special Management Designations or Considerations: Follow Best Management Practices along the Little Brevoort River.

Watershed and Fisheries Considerations: This compartment contains tributaries of the Cut River and stream reaches of the Little Brevoort River. The Cut River supports a fish community of brook trout, rainbow trout, longnose dace, slimy sculpin, northern redbelly dace, Iowa darter, and Johnny darter. The Little Brevoort River is classified as second-quality trout water. Previous surveys have captured brook trout, brown trout, central mudminnow, creek chub, northern pike, sculpins, and American brook lamprey. Implementation of BMP's will aid in preventing sediment input from road crossings and upland areas are critically important to protect spawning areas for trout and other stream-resident fishes. Buffering the river is also critical to ensure future inputs of woody material to the stream channel and provide shading to protect water temperature from warming to a degree that will inhibit trout survival.

Wildlife Habitat Considerations: This compartment contains a true mix of cover types ranging from white pine and hardwoods to aspen, red pine plantations, and wetlands. A number of forest openings are scattered

across the southern part of the compartment, ranging in size from 2 to 20 acres. These are filling in with spruce and other trees, and require some management to maintain the open quality to benefit white-tailed deer, black bear, and sandhill crane. Deciduous and other conifer species will be left in red pine stands to maintain diversity in these stands. Aspen stands of various age classes provide habitat for ruffed grouse and American woodcock. These will be managed to maintain young early-successional deciduous habitat. A component of birch and white pine as well as a mix of other mature trees representative of the stand will be included in the retention. Marshy and shrub/scrub wetlands provide habitat for beaver, herons, and moose. Hardwood stands will be managed for age class and structural diversity; some large wolfy trees will be retained as well as all hemlock, yellow birch, cherry, and 2-5 beech per acre where present. Additional wildlife benefitting from this management include, wolves, coyote, pileated woodpecker, and hawks.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and peat and muck, in the northwest corner. There is insufficient data to determine the glacial drift thickness. The Silurian Engadine Group subcrops below the glacial drift. The Engadine is quarried for stone/limestone elsewhere in the UP. The nearest gravel pit is one-half mile to the southwest. There appears to be some gravel potential in portions of the compartment. There is no economic oil and gas production in the UP, currently.

Vehicle Access: This stand is accessed from the Prout Road on the west, from the Little Brevoort River Road from the south, and from the Jackson Road from the east. There are numerous two tracks and ice roads that branch off of the main roads.

Survey Needs: None

Recreational Facilities and Opportunities: There is a snowmobile trail running east – west through section six connecting the Prout Road and the Little Brevoort River Road.

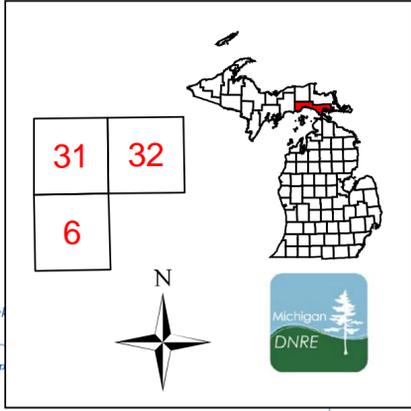
Fire Protection: This is a low fire danger area.

Additional Compartment Information:

- **The following reports from the Inventory are attached:**
 - ◆ **Total Acres by Cover Type and Age Class**
 - ◆ **Proposed Treatment Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**
 - ◆ **Stand Details (Forested and Nonforested)**
 - ◆ **Dedicated and Proposed Special Conservation Areas**

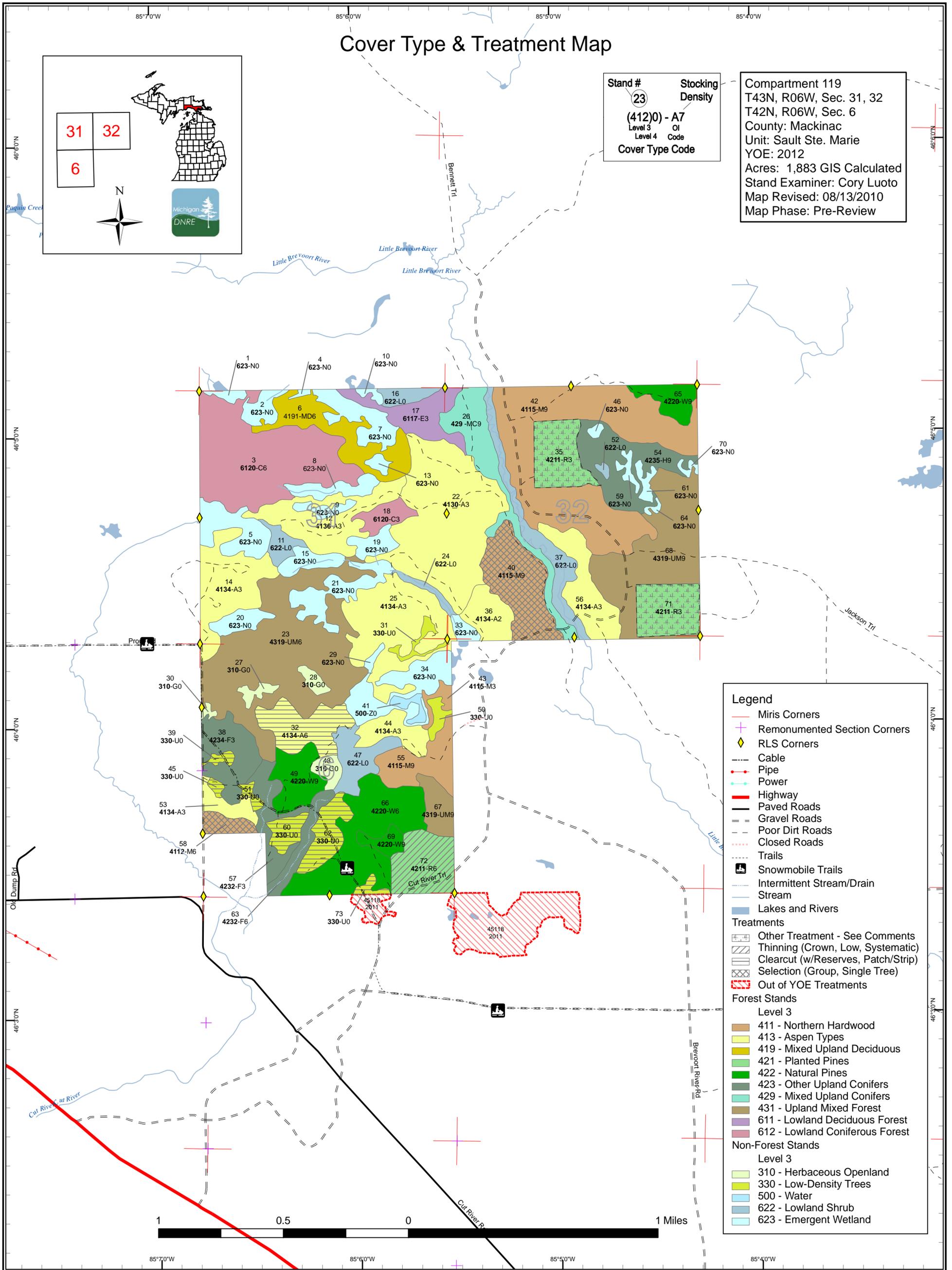
- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand boundaries, cover types, and numbers**
 - ◆ **Proposed treatments**
 - ◆ **Details on the road access system**

Cover Type & Treatment Map



Stand #
23
(412)0 - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code

Compartment 119
 T43N, R06W, Sec. 31, 32
 T42N, R06W, Sec. 6
 County: Mackinac
 Unit: Sault Ste. Marie
 YOE: 2012
 Acres: 1,883 GIS Calculated
 Stand Examiner: Cory Luoto
 Map Revised: 08/13/2010
 Map Phase: Pre-Review



Legend

- Miris Corners
- Remonumented Section Corners
- RLS Corners
- Cable
- Pipe
- Power
- Highway
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Snowmobile Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

Treatments

- Other Treatment - See Comments
- Thinning (Crown, Low, Systematic)
- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)
- Out of YOE Treatments

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

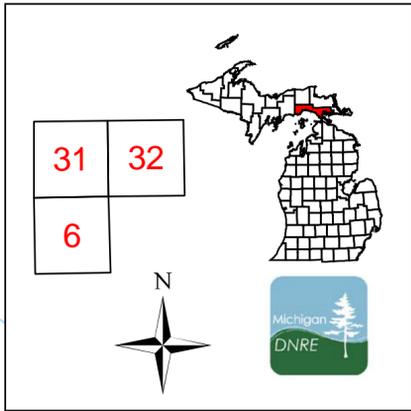
Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

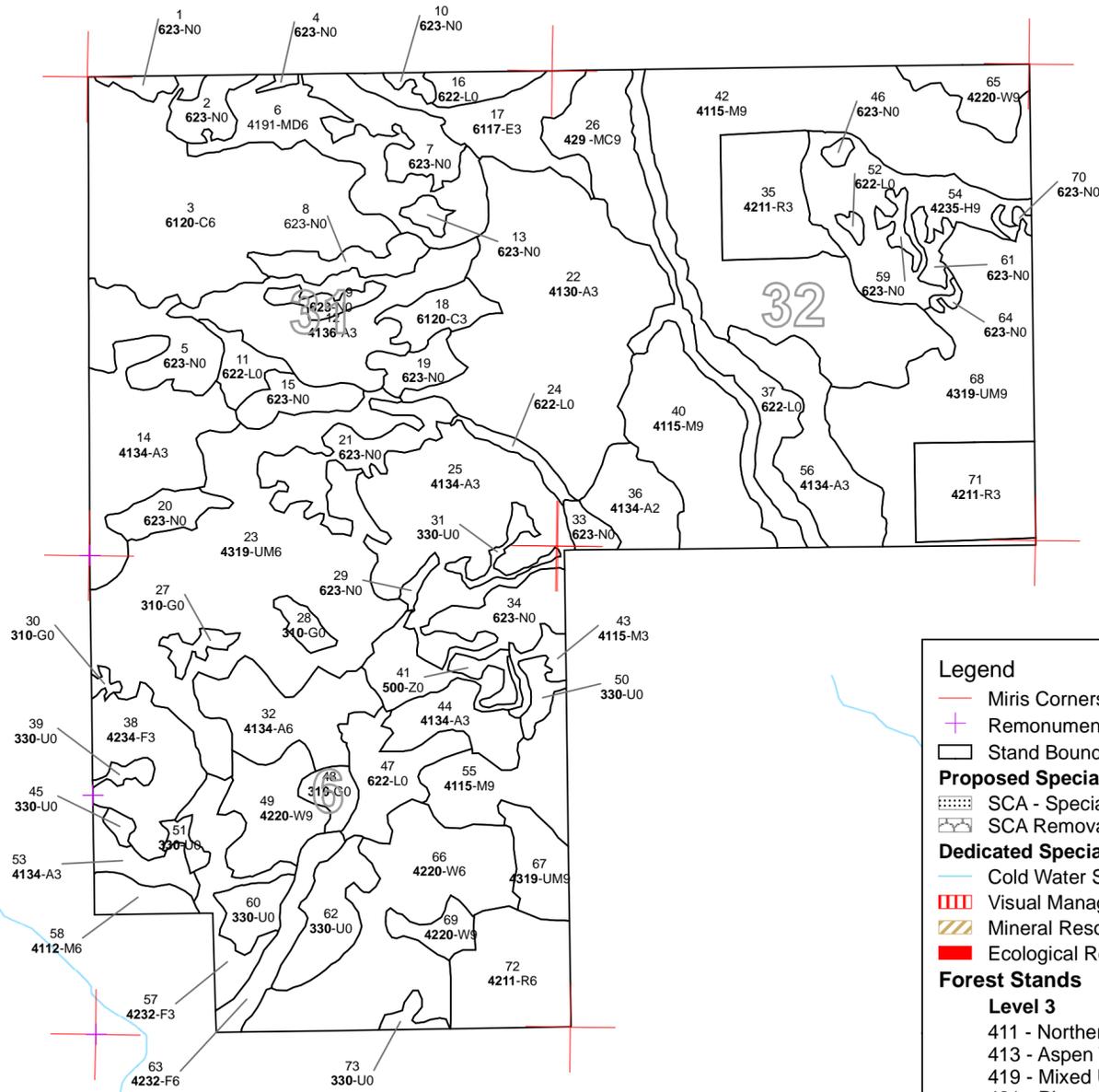


Dedicated & Proposed Special Conservation Area Map



Stand #
 23
 (412)0 - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code

Compartment 119
 T43N, R06W, Sec. 31, 32
 T42N, R06W, Sec. 6
 County: Mackinac
 Unit: Sault Ste. Marie
 YOE: 2012
 Acres: 1,883 GIS Calculated
 Stand Examiner: Cory Luoto
 Map Revised: 08/13/2010
 Map Phase: Pre-Review



Legend

- Miris Corners
- + Remonumented Section Corners
- Stand Boundaries
- Proposed Special Conservation Areas**
- ▨ SCA - Special Conservation Area
- ▩ SCA Removal
- Dedicated Special Conservation Areas**
- Cold Water Streams
- ▨ Visual Management Areas
- ▨ Mineral Resource Polygon
- ▨ Ecological Reference Areas
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
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- Non-Forest Stands**
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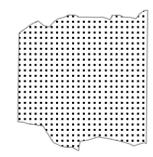


Table 1 – Total Acres by Cover Type and Age Class

Data updated before 2:00 PM



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen	0	0	101	244	0	0	0	34	0	0	0	0	0	0	48	428
Cedar	0	0	0	0	0	0	0	0	12	0	118	0	0	0	0	129
Hemlock	0	0	0	0	0	0	0	0	0	0	47	0	0	0	0	47
Herbaceous Openland	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Low-Density Trees	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Lowland Deciduous	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	29
Lowland Shrub	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77
Marsh	197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	197
Mixed Upland Deciduous	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	44
Northern Hardwood	0	0	0	0	0	0	0	40	53	162	0	0	0	0	0	255
Red Pine	0	0	66	0	0	36	0	0	0	0	0	0	0	0	0	102
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	45	0	0	45
Upland Mixed Forest	0	0	0	0	0	0	155	0	0	16	89	0	0	0	0	259
Upland Spruce/Fir	0	0	56	0	0	0	15	0	0	0	0	0	0	0	0	71
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
White Pine	0	0	0	0	0	0	0	0	76	24	0	0	26	0	0	126
Total	349	0	252	244	0	80	170	74	141	201	253	0	71	0	48	1883



Sault Ste. Marie Mgt. Unit
Year of Entry 2012

Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Compartment 119
Total Compartment Acres: 1883

Acres by Treatment Type

Commercial Harvest - 175 Site Prep - 0 Tree Planting - 0 Prescribed Burn - 0 Other - 66
 Habitat Cut - 0 Opening Maintenance - 0 Tree Seeding - 0 Pesticide - 0

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	34	0	0	0	0	0	34
Low-Density Trees	42	0	0	0	0	0	42
Northern Hardwood	0	62	0	0	0	0	62
Red Pine	0	0	0	0	36	0	36
Total	76	62	0	0	36	0	175



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32	45119032-Cut	34.3	4134 - Aspen, Spruce/Fir	High Density Pole	60	Harvest	Clearcut with Reserves	Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut with reserves following the retention guideline. Some paper birch and white pine should be retained for seed trees and future snags. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.</p>									
40	45119040-Cut	53.2	4115 - Y.Birch, Hemlock NH	High Density Log	76	Harvest	Single Tree Selection	Y.Birch, Hemlock NH	Cmpt. Review Proposal
<p><u>Prescription</u> Mark stand to 80 to 90 Basal Area. Retain 2-5 beech per acre where present. Some larger canopy gaps may be desirable around the hemlock and yellow birch to regenerate those species and enhance the advanced regeneration present. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, hemlock and white pine.</p>									
58	45119058-Cut	9.2	4112 - Maple, Beech, Cherry Association	High Density Pole	63	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal
<p><u>Prescription</u> Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some larger canopy gaps may be desirable around the cherry if possible to regenerate those species and enhance the advanced regeneration present. Retain 2-5 beech per acre where present, and leave cherry and all hemlock. <u>Specs:</u> <u>Other Comments:</u> This should make a nice, small firewood sale. <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and paper birch, balsam fir, white spruce, hemlock and white pine.</p>									
72	45119072-Cut	36.0	42110 - Planted Red Pine	High Density Pole	47	Harvest	Crown Thinning	Planted Red Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Thin to around 120 Basal Area. Leave species diversity within the stand were present. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> None.</p>									
39	NF_45119039-Cut	2.8	42110 - Planted Red Pine		47	Harvest	Clearcut	Warm Season Grass	Cmpt. Review Proposal
<p><u>Prescription</u> The openings had filled in trees. A commercial harvest was prescribed to clear the area. Cut all trees 2" or more and chip all the trees. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Check stand after harvest to see if follow-up treatment is necessary to maintain the opening.</p>									
45	NF_45119045-Cut	2.0	Non-Forested		0	Harvest	Clearcut	Warm Season Grass	Cmpt. Review Proposal
<p><u>Prescription</u> The openings had filled in trees. A commercial harvest was prescribed to clear the area. Cut all trees 2" or more and chip all the trees. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Check stand after harvest to see if follow-up treatment is necessary to maintain the opening.</p>									



Data updated before 2:00 PM

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
51 NF_45119051-Cut	3.3	Non-Forested		0	Harvest	Clearcut	Warm Season Grass	Cmpt. Review Proposal
<u>Prescription</u> The openings had filled in trees. A commercial harvest was prescribed to clear the area. Cut all trees 2" or more and chip all the trees.								
<u>Specs:</u>								
<u>Other Comments:</u>								
<u>Next Steps:</u> Check stand after harvest to see if follow-up treatment is necessary to maintain the opening.								
60 NF_45119060-Cut	10.2	Non-Forested		0	Harvest	Clearcut	Warm Season Grass	Cmpt. Review Proposal
<u>Prescription</u> The openings had filled in trees. A commercial harvest was prescribed to clear the area. Cut all trees 2" or more and chip all the trees.								
<u>Specs:</u>								
<u>Other Comments:</u>								
<u>Next Steps:</u> Check stand after harvest to see if follow-up treatment is necessary to maintain the opening.								
62 NF_45119062-Cut	20.4	Non-Forested		0	Harvest	Clearcut	Warm Season Grass	Cmpt. Review Proposal
<u>Prescription</u> The openings had filled in trees. A commercial harvest was prescribed to clear the area. Cut all trees 2" or more and chip all the trees.								
<u>Specs:</u>								
<u>Other Comments:</u>								
<u>Next Steps:</u> Check stand after harvest to see if follow-up treatment is necessary to maintain the opening.								
73 NF_45119073-Cut	3.3	Non-Forested		0	Harvest	Clearcut	Warm Season Grass	Cmpt. Review Proposal
<u>Prescription</u> The openings had filled in trees. A commercial harvest was prescribed to clear the area. Cut all trees 2" or more and chip all the trees.								
<u>Specs:</u>								
<u>Other Comments:</u>								
<u>Next Steps:</u> Check stand after harvest to see if follow-up treatment is necessary to maintain the opening.								
35 45119035-Other	32.6	42110 - Planted Red Pine	High Density Sapling	13	Other	Unspecified	Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Monitor for RHPS or other pests within the stand.								
<u>Specs:</u>								
<u>Other Comments:</u>								
<u>Next Steps:</u> Monitor for RHPS and if monitoring shows that treatment is recommended, then spray when/if necessary with appropriate insecticide recommended by Forest Health Specialist/TMS.								
71 45119071-Other	33.2	42110 - Planted Red Pine	High Density Sapling	13	Other	Unspecified	Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Monitor for RHPS or other pests within the stand.								
<u>Specs:</u>								
<u>Other Comments:</u>								
<u>Next Steps:</u> Monitor for RHPS and if monitoring shows that treatment is recommended, then spray when/if necessary with appropriate insecticide recommended by Forest Health Specialist/TMS.								

**Table 3 -- Treatments Prescribed
 with No Limiting Factor**



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
45118_OutOfY OE_1-Cut	58.3				Harvest	Crown Thinning	Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin to around 120 Basal Area. Leave species diversity within the stand were present.								
<u>Specs:</u>								
<u>Other Comments:</u>								
<u>Next Steps:</u> None.								
45118_OutOfY OE-Cut	8.0				Harvest	Clearcut	Warm Season Grass	Cmpt. Review Proposal
<u>Prescription</u> The opening had filled in trees. A commercial harvest will clear the area. Cut all trees 2" or more and chip all the trees.								
<u>Specs:</u>								
<u>Other Comments:</u>								
<u>Next Steps:</u> Check stand after harvest to see if follow-up treatment is necessary to maintain the opening.								
Total Treatment Acreage Proposed:		66.2						

**Table 3 -- Treatments Prescribed
 with No Limiting Factor**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
Total Treatment Acreage Proposed:		240.4						



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription
Specs:

Other
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

Total Treatment
Acres Proposed: 0

S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 119
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2012
Data updated before 2:00 PM						
General Comments:						
3	6120 - Lowland Cedar	High Density Pole	117.6	95		Decent cedar stand. Has a fair amount of regen within it. It is only as high as the snow however.
6	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	43.6	48		This stand is doing good. Really heavy balsam understory. Should cut next YOE.
12	4136 - Aspen, Mixed Conifer	High Density Sapling	48.4	Uneven Age	1-50	Nice young aspen stand. Regen doing good about 15' tall. There is large overstory white pine scattered throughout the stand.
14	4134 - Aspen, Spruce/Fir	High Density Sapling	51.0	18		Decent aspen/spruce/fir stand. Ten years ago this stand was primarily spruce but the aspen has really taken off.
17	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	28.9	13		Wet aspen stand. Regen doing decent, heavy balsam and spruce in places.
18	6120 - Lowland Cedar	High Density Sapling	11.8	70		Wet cedar and tamarack, not the most productive site.
22	4130 - Aspen	High Density Sapling	130.9	26		Aspen is doing great in this stand. It is much taller than the spruce and balsam.
23	4319 - Mixed Upland Forest	High Density Pole	154.8	50		This is an upland mackinac mix stand. This stand was larger in the previous inventory. I split out the area that should wait another ten yrs. This part of the original stand isn't as productive as Pre inv #34.
25	4134 - Aspen, Spruce/Fir	High Density Sapling	77.5	26		This stand was cut at the same time as pre inv#22. The spruce and balsam are much heavier within this stand. The regen as a whole is doing good.
26	429 - Mixed Upland Conifers	High Density Log	45.1	111	141-170	Nice hemlock stand. Signs of heavy recreational use. (hunting) This stand also borders the Little Brevoort River corridor This stand adds nice diversity to the area..
32	4134 - Aspen, Spruce/Fir	High Density Pole	34.3	60		Nice Mackinac mix stand that is ready to be cut. This stand was originally part of a larger stand but this area has grown better than the rest of the stand.
35	42110 - Planted Red Pine	High Density Sapling	32.6	13		Red pine is doing great! Monitor for sawfly.
36	4134 - Aspen, Spruce/Fir	Medium Density	20.5	13		This stand was cut with other in the area in 1997. While the regen is acceptable it isn't doing nearly as well as the other stands in the area.
38	42340 - Upland Spruce/Fir	High Density Sapling	33.9	17		Ten yrs ago I typed this as an F2, and ten yrs previous to that it was a grassy opening. It is now a fully stacked spruce/fir stand. This is a good example of what will happen to the other opening within this compartment if we don't maintain the,





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
40	4115 - Y.Birch, Hemlock NH	High Density Log	53.2	76	141-170	A typical red maple stand for this area. A very low percentage of log trees.
42	4115 - Y.Birch, Hemlock NH	High Density Log	156.0	81	51-80	This stand was part of the Blue dot timber sale. Some areas of it were thinned harder than other. This was done where the red maple was really bad. Regen in the stand is doing great. Lots of maple and white pine. There are some hemlock regenerating as well.
43	4115 - Y.Birch, Hemlock NH	High Density Sapling	5.6	82	51-80	Stand was thinned as part of Missile tube timbersale. Regen is doing good.
44	4134 - Aspen, Spruce/Fir	High Density Sapling	18.8	15		Decent aspen stand. Regen is doing good 15'-20' tall.
49	42200 - Natural White Pine	High Density Log	25.7	117	51-80	This stand was a wildfire in the summer of 1997. The white pine and a few red maple survived but it killed most everything else.
53	4134 - Aspen, Spruce/Fir	High Density Sapling	10.9	17		The aspen is has no become the predominate type in this stand. 20 yrs ago it was a grassy opening.
54	42350 - Upland Hemlock	High Density Log	46.7	99	141-170	Great hemlock stand! Several bogs intermixed throughout the stand.
55	4115 - Y.Birch, Hemlock NH	High Density Log	30.6	62	51-80	This stand was cut this past year of entry. Parts of it were thinned to 80-90 ba while other area were hit harder, 50-60ba. Regen is doing good with lots of red maple, white pine, beech and some hemlock.
56	4134 - Aspen, Spruce/Fir	High Density Sapling	36.0	25		Stand is doing good, some larger spruce and balsam scattered through the stand.
57	42320 - Upland Spruce	High Density Sapling	22.2	17		This is another stand within the compartment that used to be a grassy opening. It is now a full stocked spruce/fir stand.
58	4112 - Maple, Beech, Cherry Association	High Density Pole	9.2	63	111-140	This is a nice little hardwood stand. Can be thinned and make a nice firewood job.
63	42320 - Upland Spruce	High Density Pole	15.1	51		This an extremely dense spruce fir stand. It is the corridor for a branch of the Cut River.
65	42200 - Natural White Pine	High Density Log	15.9	89	81-110	Lots of young white pine and some hemlock. Nice looking stand after being cut.
66	42200 - Natural White Pine	High Density Pole	76.4	77	51-80	Nice natural whitepine stand. Some areas have scattered aspen.
67	4319 - Mixed Upland Forest	High Density Log	15.5	82	51-80	This stand was thinned in the last YOE. Tons of red maple, white pine and beech in the understory now.

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Sault Ste. Marie Mgt. Unit

5 – Forested Stands
Data updated before 2:00 PMCompartment: 119
Year of Entry: 2012

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
68	4319 - Mixed Upland Forest	High Density Log	88.8	96	81-110	Typical hemlock, red maple stand for the area. Leave this one for ten years. This will allow regen to grow more in the adjacent cuts.
69	42200 - Natural White Pine	High Density Log	8.1	88	51-80	Everything except the whitepine was removed last YOE. Tons of aspen coming up, Also a fair amount of white pine.
71	42110 - Planted Red Pine	High Density Sapling	33.2	13		Red pine is doing great monitor for sawfly.
72	42110 - Planted Red Pine	High Density Pole	36.0	47	171-200	Stand is ready to be thinned. Change AOI start date to October of 2011 so it can be cut with other pine in the area.



Stand	Cover Type	Acres	Gen Cmts:
1	623 - Emergent Wetland	3.4	
2	623 - Emergent Wetland	9.9	
4	623 - Emergent Wetland	1.0	
5	623 - Emergent Wetland	25.9	
7	623 - Emergent Wetland	21.6	
8	623 - Emergent Wetland	12.3	
9	623 - Emergent Wetland	5.9	
10	623 - Emergent Wetland	2.2	
11	622 - Lowland Shrub	8.9	
13	623 - Emergent Wetland	3.3	
15	623 - Emergent Wetland	11.2	
16	622 - Lowland Shrub	8.0	
19	623 - Emergent Wetland	9.5	
20	623 - Emergent Wetland	10.2	
21	623 - Emergent Wetland	24.5	
24	622 - Lowland Shrub	4.9	
27	310 - Herbaceous Openland	4.4	
28	310 - Herbaceous Openland	4.7	



Stand	Cover Type	Acres	Gen Cmts:
29	623 - Emergent Wetland	2.1	
30	310 - Herbaceous Openland	1.5	
31	330 - Low-Density Trees	5.1	
33	623 - Emergent Wetland	4.9	
34	623 - Emergent Wetland	35.9	
37	622 - Lowland Shrub	31.2	
39	3302 - Low Density Conifer Trees	2.8	
41	50 - Water	4.6	
45	3302 - Low Density Conifer Trees	2.0	
46	623 - Emergent Wetland	1.7	
47	622 - Lowland Shrub	22.7	
48	310 - Herbaceous Openland	7.1	
50	330 - Low-Density Trees	5.2	
51	3302 - Low Density Conifer Trees	3.3	
52	622 - Lowland Shrub	1.4	
59	623 - Emergent Wetland	3.7	
60	3302 - Low Density Conifer Trees	10.2	
61	623 - Emergent Wetland	4.4	



Stand	Cover Type	Acres	Gen Cmts:
62	3302 - Low Density Conifer Trees	20.4	
64	623 - Emergent Wetland	1.3	
70	623 - Emergent Wetland	1.9	
73	3302 - Low Density Conifer Trees	3.3	



7 – 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.

Data updated before 2:00 PM

Stand	SCA Type	SCA Name	Acres	Comments
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8 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

Data updated before 2:00 PM

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.