



SAULT FOREST MANAGEMENT UNIT COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 116 ENTRY YEAR: 2014

Compartment Acreage: 1,925 County: Mackinac

Revision Date: 07/05/2012

Stand Examiner: Josh Brinks, Cory Luoto

Legal Description: Moran Township T43N-R6W, Sections 33 - 35

RMU: Carp River Red Pine

Management Goals: This compartment is located 3.5 miles north of Brevort. The compartment consists mainly of swamp species varying from spruce, white pine and hemlock to low cedar swamps to tag alder, marshes and bogs. The compartment also has a component of plantation red pine along the Carp River Truck Trail. Overall objectives include continued regeneration of the spruce/swamp conifer and hemlock/white pine components of the area, while maintaining areas of older, denser cover for diversity. One stand is prescribed for a regeneration harvest to obtain regeneration of spruce/swamp conifer. The objective in the red pine area along the Carp River Truck Trail is to improve the health and vigor of the pine. Part of the red pine was recently cut with an adjacent compartment this will need site prep and planting. Another portion was recently sprayed to release the pine from competition and needs to be monitored to make sure the pine establishes itself. The two remaining log size red pine stands will be thinned this year of entry.

Soil and Topography: The upland pine area on the east side is comprised of Wallace sand, while the upland rolling hardwood in the southwest corner is mainly Paquin sand. The spruce, hemlock, white pine areas, and the swamp complexes vary from low ground to a few severe ridges. This area consists of Markey-Spot-Finch complex and Spot-Finch complex.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The entire compartment is surrounded by state ownership with similar management objectives.

Unique, Natural Features: A poor fen is identified within the compartment. The potential exists for threatened or endangered plant and animal species within the compartment. There is potential for goshawks to be present in the mature pine stands.

Archeological, Historical, and Cultural Features: Remnants of old logging camps exist within the compartment.

Special Management Designations or Considerations: Winter harvesting will be needed in the swamp conifer areas due to the low ground unless we have a dry enough summer(s) to allow limited access to stands.

Watershed and Fisheries Considerations: This compartment contains a tributary to the South Branch Carp River. This tributary is a coldwater stream and a designated trout stream. A no clear-cut buffer of at least 200' should be maintained adjacent to this tributary.

Wildlife Habitat Considerations: Compartment 116 is located on the west side of the Carp River Red Pine Management Area, and lies within the St. Ignace sub-subsection that is typified by sandy lake plain and limestone bedrock at or near the surface. The compartment contains both larger hemlock stands as well as the southern part of a larger cedar-dominated swamp. A poor fen ecological reference area is present on the west side. Other forest types include mixed upland hardwood and conifer stands, other lowland conifers, and red pine. Forest treatments over the past 30 years, including some in the mid- to late-1990's, have encouraged recruitment of hemlock, white pine, and mixed hardwoods in areas on the western side of the compartment.

Hemlock will be retained where present, and young growth will be allowed to mature. This combined with the young deciduous growth nearby will encourage use by ruffed grouse, snowshoe hare, and other species. Young lowland conifer growth will be encouraged in a portion of the compartment to encourage some young growth for snowshoe hare and other species, while remaining lowland conifer habitat is retained. Diversity will be encouraged in red pine by retaining other tree species where possible during thinning. No management activities will take place within the poor fen. Other wildlife species benefitting from this management include bobcat, fisher, marten, hawks, blackburnian warblers and a variety of neotropical migratory birds.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and minor peat and muck. 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 five miles to the northeast. The nearest gravel pit is located one-half mile to the south. There may be some gravel potential in the compartment. There is no economic oil and gas production in the UP.

Vehicle Access: Access is limited somewhat by the low ground within the compartment. The main access roads are on the east end, and the southwest corner, of the compartment. Carp River Truck Trail and Rabbit Road are DNR maintained good sand roads that access the east quarter of the compartment. Several two-tracks offer additional access to the pine stands along Carp River Truck Trail. Jackson Truck Trail offers access to the south and west part of the compartment. This is a DNR poor dirt road that can be impassable in various places between Carp River Truck Trail to the east and Brevort River Road to the west. A few two tracks exist to the north of Jackson Truck Trail that provide access to the spruce and hemlock stands, but parts of them are considered winter roads only. A couple two tracks exist to the south of Jackson Truck Trail that run into the adjacent compartments.

Survey Needs: None at this time.

Recreational Facilities and Opportunities: The snowmobile trail runs along Carp River Truck Trail, and the ORV trail runs through the pine stands on the east side of the compartment. There are opportunities for fishing, hunting and trapping in the area.

Fire Protection: The pine area along Carp River Truck Trail has the potential for a moderate to higher intensity fire. The rest of the compartment has a lower fire intensity potential, but the opportunity for ground fire does exist. Access could pose a problem if this occurs.

Additional Compartment Information: None.

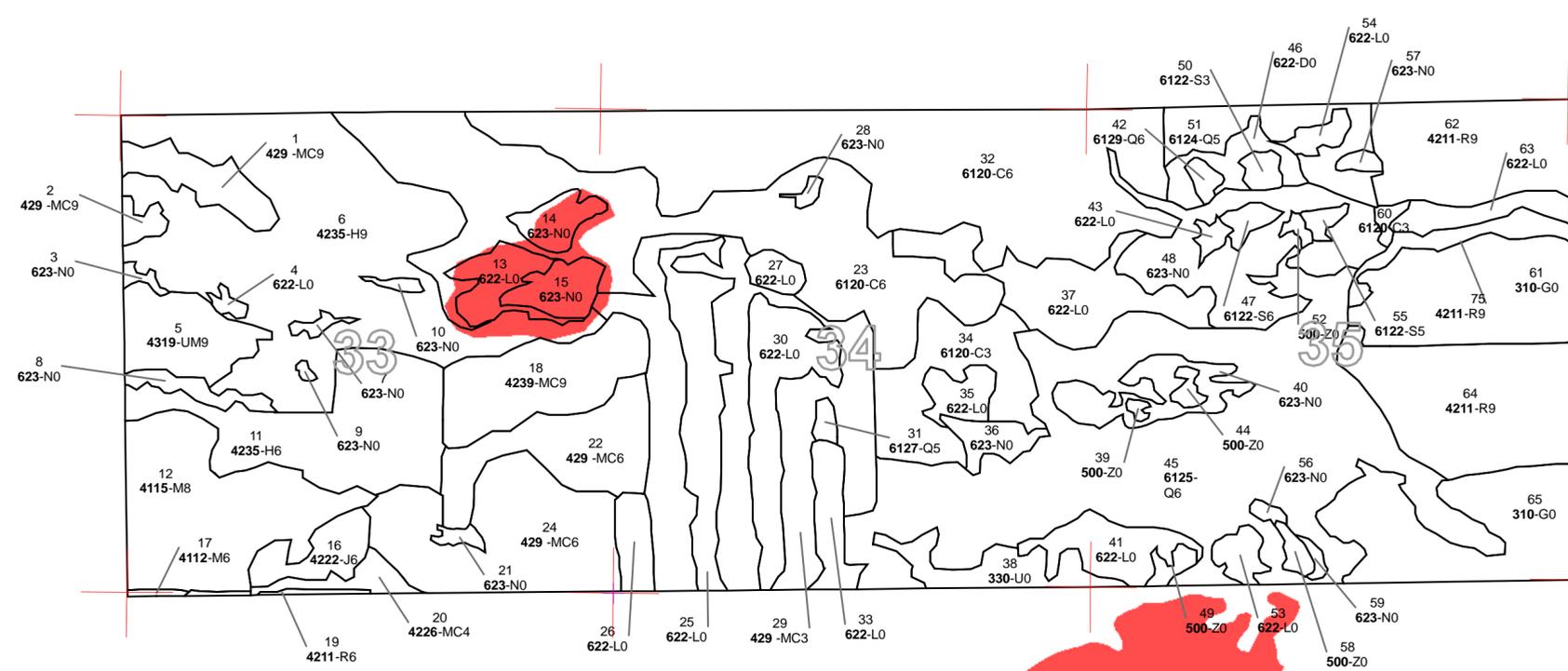
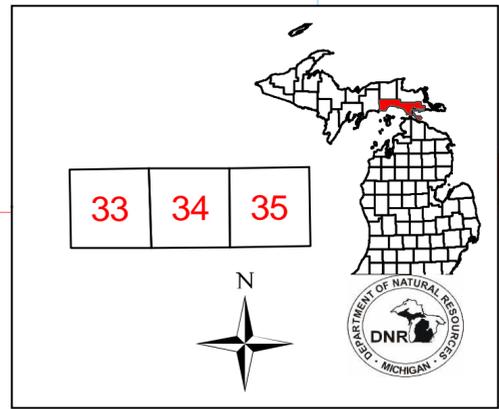
- **Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**
 - ◆ **Stand Listing – Forested**
 - ◆ **Stand Listing – Non Forested**

- ◆ **Special Conservation Area (SCA) Details**
- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **SCA – Special Conservation Areas**

Dedicated & Proposed Special Conservation Area Map

Compartment: 116
 T43N R06W Sec. 33 - 35
 County: Mackinac
 Unit: Sault Ste. Marie
 YOE: 2014
 Acres: 1,925 GIS Calculated
 Examiner: Josh Brinks
 Map Revised: 08/08/2012
 Map Phase: Pre-Review

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



- Legend**
- ✚ Remonumented Section Corners
 - ✚ Miris Corners
 - ▭ Stand Boundaries
 - Dedicated Special Conservation Areas**
 - Ecological Reference Areas
 - Cold Water Streams
 - Deer Wintering Areas
 - Forest Stands**
 - Level 3
 - 411 - Northern Hardwood
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 423 - Other Upland Conifers
 - 429 - Mixed Upland Conifers
 - 431 - Upland Mixed 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

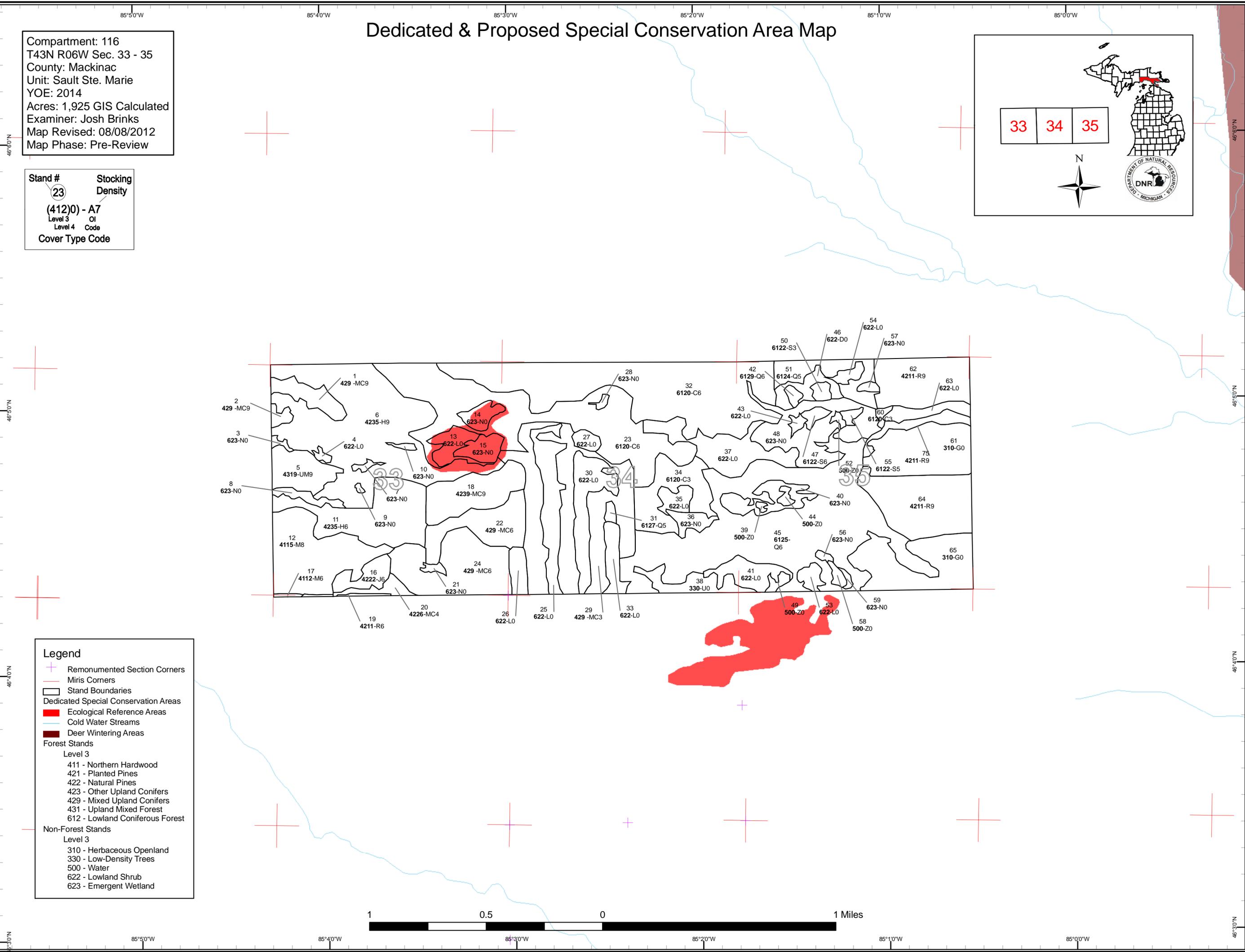
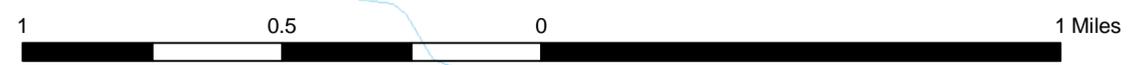


Table 1 – Total Acres by Cover Type and Age Class



	Age Class													Total	
	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 +		Uneven Age
Cedar	0	0	0	0	0	0	43	0	147	0	0	0	178	0	368
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	244	0	244
Herbaceous Openland	120	0	0	0	0	0	0	0	0	0	0	0	0	0	120
Jack Pine	0	0	0	0	0	14	0	0	0	0	0	0	0	0	14
Low-Density Trees	18	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Lowland Conifers	0	0	0	0	0	0	26	241	0	5	0	0	0	0	272
Lowland Shrub	202	0	0	0	0	0	0	0	0	0	0	0	0	0	202
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	10	0	0	0	0	0	10
Marsh	122	0	0	0	0	0	0	0	0	0	0	0	0	0	122
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8
Northern Hardwood	0	0	0	0	0	0	0	73	1	0	0	0	0	0	74
Red Pine	0	0	0	0	2	0	0	135	0	0	0	0	0	0	137
Treed Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Upland Conifers	0	0	115	0	0	0	0	68	21	82	0	0	0	0	286
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	27	0	0	0	0	27
Water	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Total	485	0	115	0	2	14	69	517	179	121	0	0	423	0	1925



Table 2 – Proposed Treatment Summaries

Sault Ste. Marie Mgt. Unit
Year of Entry 2014

Compartment 116
Total Compartment Acres: 1925

Acres by Treatment Type

Commercial Harvest - 226	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 58	Other - 150
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
Jack Pine	14	0	0	0	0	0		14
Lowland Conifers	69	0	0	0	0	0		69
Natural Mixed Pines	8	0	0	0	0	0		8
Northern Hardwood	0	1	0	0	0	0		1
Red Pine	0	0	0	0	135	0		135
Total	90	1	0	0	135	0		226



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
16	45116016-Cut	14.1	42220 - Natural Jack Pine	High Density Pole	56	81-110	Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal
<u>Prescription</u> Cut all deciduous 2" or more and conifer 4" or more. Leave small patches of jack pine for retention.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Jack pine may need to be scarified with chains and seeded as necessary to promote jack pine regeneration. Follow-up treatment with										
<u>Steps:</u> regeneration survey as per the work instructions and check to see if the further cultivation treatment in necessary to get acceptable regeneration. Acceptable regeneration is aspen, maple, cherry, paper birch, jack pine, balsam fir, white spruce and white pine.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
17	45116017-Cut	1.1	4112 - Maple, Beech, Cherry Association	High Density Pole	80	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees.										
<u>Specs:</u>										
<u>Other</u> Under contract with harvest number 451030901										
<u>Comments:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, cherry, beech, paper and yellow										
<u>Steps:</u> birch, balsam fir, spruce, aspen and hemlock.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2008										
20	45116020-Cut	7.7	42260 - Natural Pine, Mixed Deciduous	Low Density Pole	91		Harvest	Clearcut with Reserves	42141 - Planted Mixed Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Cut all deciduous 2" or more and conifer 4" or more. A few scattered trees may be left for retention in the opening.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Check stand after harvest to see if follow-up treatment is necessary to maintain the opening.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
45	45116045-Cut	68.6	6125 - Lowland Black Spruce, Jack Pine	High Density Pole	77		Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Cut all deciduous 2" or more and conifer 4" or more. Leave scattered spruce, fir, white pine, red pine, maple and birch spaced evenly every 75										
<u>Specs:</u> feet(this leave 8 trees per acre). Leave all cedar. Leave a retention strip running across the treatment in the narrow section in the middle of the treatment. Also, buffer wetlands appropriately (100' or more).										
<u>Other</u> Actual treatment shape will vary depending on what is found on the ground.										
<u>Comments:</u>										
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and										
<u>Steps:</u> paper birch, balsam fir, white spruce, black spruce, jack pine and white pine.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
62	45116062-Cut	53.1	42110 - Planted Red Pine	High Density Log	75	141-170	Harvest	Crown Thinning	42110 - 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>										
<u>Proposed Start Date:</u> 10/01/2013										
64	45116064-Cut	69.7	42110 - Planted Red Pine	High Density Log	75	111-140	Harvest	Crown Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin to around 120 Basal Area. Leave species diversity within the stand where present.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2013										
75	45116075-Cut	11.8	42110 - Planted Red Pine	High Density Log	75	111-140	Harvest	Crown Thinning	42110 - 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> This was a buffer left along the creek from a sale called Golden Eagle.										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2013										
61	NF_45116061-Burn	57.9	310 - Herbaceous Openland				Prescribed Burn	Unspecified	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> This stand is currently under contract in a sale called Golden Eagle . Once the sale is complete the stand will need to be burned for site prep so										
<u>Specs:</u> that it can be trenched.										
<u>Other Comments:</u>										
<u>Next Steps:</u> trench, plant, release										
<u>Proposed Start Date:</u> Unspecified										
25	NF_45116025-Other	34.0	6229 - Mixed lowland shrub				Other	Unspecified	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and										
<u>Specs:</u> paper birch, balsam fir, white spruce, black spruce and white pine.										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> Unspecified										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
26	NF_45116026- Regen	9.3	6229 - Mixed lowland shrub				Other	Unspecified	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and <u>Specs:</u> paper birch, balsam fir, white spruce, black spruce and white pine.										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> Unspecified										
30	NF_45116030- Regen	32.1	6229 - Mixed lowland shrub				Other	Unspecified	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and <u>Specs:</u> paper birch, balsam fir, white spruce, black spruce and white pine.										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> Unspecified										
33	NF_45116033- Regen	12.9	6229 - Mixed lowland shrub				Other	Unspecified	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and <u>Specs:</u> paper birch, balsam fir, white spruce, black spruce and white pine.										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> Unspecified										
65	NF_45116065- Other	61.9	3105 - Mixed Upland Herbaceous				Other	Unspecified	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription:</u> Check for acceptable regeneration in the stand which was recently sprayed for release.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> If there is a lot of hardwood whips growing in the stand consider another release spraying.										
<u>Proposed Start Date:</u> Unspecified										
Total Treatment Acreage Proposed: 434.2										

**Table 4 -- Treatments Prescribed with
a Limiting Factor**



S
t
a
n
d

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
----------------	-------	-----------	--------------	-----------	----------	----------------	------------------	----------------------	-----------------

#Error

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Error

Limiting Factor and No
Treatment Reason

**Total Treatment
Acreage Proposed: 0**

**Out of YOE -- Treatments
Prescribed with No Limiting Factor**

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
45104_OutOfY OE-Cut	19.8					Harvest	Crown Thinning	42110 - 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</u> This was a buffer left along the creek from a sale called Golden Eagle.									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2013									
45152062-Cut	5.5	4115 - Y.Birch, Hemlock NH	High Density Log	76		Harvest	Clearcut with Reserves	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal
<u>Prescription</u> Clear Cut the stand leaving all white pine, hemlock, cedar and yellow birch. Also, leave one healthy, mature red maple, black cherry, spruce, fir, paper birch or sugar maple in order to retain a representation of the stand.									
<u>Specs:</u>									
<u>Other</u> cut with adjacent compartment.									
<u>Comments:</u>									
<u>Next</u> Check for regeneration in 4-5 years. Acceptable regeneration will include red maple, yellow birch, hemlock, white pine, black cherry, sugar maple, aspen, ash, beech, and balsam fir.									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2011									
45157_OutOfY OE-Cut	0.7					Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
<u>Prescription</u> Thin to around 120 Basal Area. Leave species diversity within the stand where present.									
<u>Specs:</u>									
<u>Other</u> cut with stand 1 in comp 158.									
<u>Comments:</u>									
<u>Next</u>									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2013									
45195_OutOfY OE-Cut	27.3					Harvest	Single Tree Selection	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal
<u>Prescription</u> Cut all of the beech in the stand. Mark 2-3 beech to leave when cruising.									
<u>Specs:</u>									
<u>Other</u> Beech bark disease is affecting the beech within this stand.									
<u>Comments:</u>									
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce and white pine.									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2013									
45202_OutOfY OE-Cut	449.6					Harvest	Single Tree Selection	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal
<u>Prescription</u> Cut all beech in the stand. While cruising mark 2-3 beech per acre to leave.									
<u>Specs:</u>									
<u>Other</u> Beech bark disease is present in the stand.									
<u>Comments:</u>									
<u>Next</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce and white pine.									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> 10/01/2012									

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
Total Treatment Acreage Proposed:		502.9							

Stand	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 116	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
1	429 - Mixed Upland Conifers	High Density Log	16.6	85			This is a hemlock, yellow birch stand that has scattered white pine and red maple. Wait for the regeneration in adjacent cuts to grow in a little bit better before this stand is considered for harvest.
2	429 - Mixed Upland Conifers	High Density Log	3.9	85			Yellow birch and hemlock stand that continues into the adjacent compartment. If considering a harvest in this stand do it with the rest of the stand in the adjacent compartment.
5	4319 - Mixed Upland Forest	High Density Log	26.7	98			This is a hemlock and red maple stand which continues into the compartment to the west.
6	42350 - Upland Hemlock	High Density Log	176.7	123			This is a large hemlock stand with a lot of white pine mixed in. Some area of the stand are heavy to white pine while most of it is hemlock with a few large white pine mixed in. There is a steep ridge along the south end of the stand.
11	42350 - Upland Hemlock	High Density Pole	67.6	127	81-110		Almost a pure hemlock stand. Big range in diameters but mostly logs. Lots of good hemlock regeneration. There was a shelterwood done in this stand that left the hemlock and white pine and removed everything else.
12	4115 - Y.Birch, Hemlock NH	Medium Density Log	72.7	77	1-50		Stand was shelterwooded in 1997 as part of the timber sale 4X1 Shelterwood. Regeneration is doing great.
16	42220 - Natural Jack Pine	High Density Pole	14.1	56	81-110		Jack pine stand with scattered red and white pine.
17	4112 - Maple, Beech, Cherry Association	High Density Pole	1.1	80	111-140		A sliver of a maple stand that continues into the adjacent compartment. This stand is currently marked for a thinning.
18	42390 - Mixed Non-Pine Upland Conifers	High Density Log	42.6	94	111-140		Younger hemlock stand with a fair amount of white pine that is larger than the hemlock. Lots of nice hemlock regeneration. This stand was strip cut back in 1984 and the strips are now barely noticable.
19	42110 - Planted Red Pine	High Density Pole	2.2	47			Thin sliver of a red pine stand that continues into the compartment to the south. Was thinned in 99 'Mike's Hike'. Thinned in '09 "Nick of time pine"
20	42260 - Natural Pine, Mixed Deciduous	Low Density Pole	7.7	91			Stand used to be a grassy opening that now has a mix of pine, chery and birch growing in it.
22	429 - Mixed Upland Conifers	High Density Pole	39.1	98			Nice hemlock and white pine stand that has a component of smaller cedar in the south east part of the stand.
23	6120 - Lowland Cedar	High Density Pole	146.7	88			This is a cedar stand which is a bit drier than the cedar stand to the north. This stand consists of white pine, tamarack and black spruce over top of a dense cedar canopy.



S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 116
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014
						General Comments:
24	429 - Mixed Upland Conifers	High Density Pole	68.4	73	51-80	This stand was clearcut 22 years ago and the white pine was left. The stand is now a white pine stand with a fair amount of white pine regeneration.
29	429 - Mixed Upland Conifers	High Density Sapling	115.3	28		These strips were cut 28 years ago and the regeneration is doing extremely well. It is unbelievable how much white pine is regenerating in this stand. The regen is very thick with most of it being white pine or spruce but there are some scattered hardwoods and tamarack. You can also find some large white pine scattered throughout the stand.
31	6127 - Lowland Pine	Medium Density Pole	2.4	91		White pine and black spruce stand. Most of the white pine is log size or sapling size with a few scattered pole size white pine. Wet ground with leatherleaf and some tag alder.
32	6120 - Lowland Cedar	High Density Pole	178.3	156		Part of a large cedar stand that continues into the compartment to the North.
34	6120 - Lowland Cedar	High Density Sapling	41.0	65		Lowland mixed conifer stand that is very wet.
42	6129 - Mixed Coniferous Lowland Forest	High Density Pole	2.8	92		Inaccessible spruce/pine stand.
45	6125 - Lowland Black Spruce, Jack Pine	High Density Pole	241.0	77		Mixed lowland conifer stand with lots of black spruce with white pine and jack pine scattered throughout the stand. Some of the white pine is very large in diameter. There is a lowland area located within the stand in the north end. Along the south border there are some patches of smaller trees.
47	6122 - Black Spruce	High Density Pole	3.9	86		Inaccessible spruce stand in the middle of a wetland.
50	6122 - Black Spruce	High Density Sapling	3.8	87		Inaccessible sapling size spruce stand.
51	6124 - Lowland Spruce-Fir	Medium Density Pole	26.2	67		Lowland conifer stand that is mostly black spruce and jack pine. Some scattered white pine. Lots of leatherleaf covers the ground. Stand varies from areas of poles to areas of saplings.
55	6122 - Black Spruce	Medium Density Pole	2.6	84		Inaccessible spruce stand in the middle of a wetland. Tag alder is growing in the canopy gaps.
60	6120 - Lowland Cedar	High Density Sapling	2.1	68		Small sapling size cedar stand. The stand is very thick with cedar and has some tag alder growing in the open areas.
62	42110 - Planted Red Pine	High Density Log	53.1	75	141-170	Log size red pine plantation. Low density conifer regeneration that is mostly balsam fir. The stand has some small pockets of sapling size aspen.
64	42110 - Planted Red Pine	High Density Log	69.7	75	111-140	Log size red pine plantation that used to be part of a larger stand but the north part is currently under contract and being clearcut.



S
t
a
n
d

Sault Ste. Marie Mgt. Unit

5 – Forested Stands

Compartment: 116
Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
75	42110 - Planted Red Pine	High Density Log	11.8	75	111-140	Log size red pine plantation that was left as a buffer along the creek while Golden Eagle got clear cut.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	623 - Emergent Wetland	1.7	NVA	Unspecified	
4	6229 - Mixed lowland shrub	1.8	NVA	Unspecified	
7	623 - Emergent Wetland	1.9	NVA	Unspecified	
8	623 - Emergent Wetland	6.8	NVA	Unspecified	
9	623 - Emergent Wetland	0.7	NVA	Unspecified	
10	623 - Emergent Wetland	1.5	NVA	Unspecified	
13	622 - Lowland Shrub	13.3	NVA	Unspecified	
14	623 - Emergent Wetland	8.9	NVA	Unspecified	
15	623 - Emergent Wetland	11.1	NVA	Unspecified	
21	623 - Emergent Wetland	2.2	NVA	Unspecified	
25	6229 - Mixed lowland shrub	34.0	Natural Regen	Lowland Conifers	Dead End Strips (completed in 2010)
26	6229 - Mixed lowland shrub	9.3	Natural Regen	Lowland Conifers	Dead End Strips (completed in 2010)
27	6229 - Mixed lowland shrub	5.3	No	Lowland Mixed Forest	
28	623 - Emergent Wetland	1.5	NVA	Unspecified	
30	6229 - Mixed lowland shrub	32.1	Natural Regen	Lowland Conifers	Dead End Strips (completed in 2010)
33	6229 - Mixed lowland shrub	12.9	Natural Regen	Lowland Conifers	Dead End Strips (Completed in 2010). South part of the stand has slightly higher ground.
35	622 - Lowland Shrub	8.8	NVA	Unspecified	
36	623 - Emergent Wetland	8.3	NVA	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
37	622 - Lowland Shrub	41.7	N/A	Unspecified	
38	3303 - Mixed Low Density Trees	17.9	Yes	Unspecified	
39	50 - Water	1.0	N/A	Unspecified	
40	623 - Emergent Wetland	18.4	N/A	Unspecified	
41	622 - Lowland Shrub	18.5	N/A	Unspecified	
43	6229 - Mixed lowland shrub	2.4	N/A	Unspecified	
44	50 - Water	2.4	N/A	Unspecified	
46	6224 - Treed Bog	12.1	N/A	Unspecified	
48	623 - Emergent Wetland	54.1	N/A	Unspecified	
49	50 - Water	3.1	N/A	Unspecified	
52	50 - Water	1.5	N/A	Unspecified	
53	622 - Lowland Shrub	6.1	N/A	Unspecified	
54	6229 - Mixed lowland shrub	4.7	N/A	Unspecified	
56	623 - Emergent Wetland	1.5	N/A	Unspecified	
57	6239 - Mixed Emergent Wetland	2.2	N/A	Unspecified	
58	50 - Water	3.0	N/A	Unspecified	
59	623 - Emergent Wetland	1.5	N/A	Unspecified	
61	310 - Herbaceous Openland	57.9	Planted	Red Pine	This stand is part of the larger red pine stand around it. This portion was harvested as part of the timber sale Golden Eagle.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
63	6229 - Mixed lowland shrub	11.2	No	Unspecified	
65	3105 - Mixed Upland Herbaceous	61.9	Planted	Red Pine	Planted in 2009, release sprayed in 2011



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.

Stand	SCA Type	SCA Name	Acres	Comments



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.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.