



**Sault Forest Management Unit**  
**Compartment Review Presentation**  
**Compartment #144**                      **Entry Year: 2013**  
**Compartment Acreage: 1,918**            **County: Mackinac**

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**Revision Date:** August 12, 2011

**Stand Examiner:** Karen Rodock

**Legal Description:** T43N R08W    SECTIONS 25, 26 & 36    Hudson Township

**RMU (if applicable):** Strickler Aspen

**Management Goals:** This compartment is located approximately 9 miles east of Naubinway and just north of US-2. The area lies within a deeryard (as designated in the winter of 2001) and varies from swamp conifers to upland aspen, birch, spruce-fir and hardwood. Good age class diversity exists within the aspen component. Cuttings have taken place each decade since the late 1960's. Cutting of over-mature stands is needed to assure adequate aspen regeneration and continued age class diversity. The aspen management objectives include a mix of aspen, birch, spruce-fir and hardwood. Cutting has also taken place in black spruce stands since the late 1970's with adequate regeneration of spruce, balsam, white pine, tamarack, etc. The Troll Fire burned through the northeastern portion of the compartment (north of Enbridge Pipeline) in May 1999. It burned hot through most of those stands, which have regenerated naturally to either cherry or aspen. Section 36 has very difficult accessible due to stream crossings, road access, seasonal limitations and terrain. All the treatment area stands in Section 36 are now on timber sale contract (Seven Bridges Mix) with stands in compartment 141 and 143. Stand 71 is delayed to be treated with the rest of the stand in compartment 140.

**Soil and Topography:** The terrain varies from low swamps with inclusions of narrow high ridges, to rolling uplands. The soils show the varied nature of the area too including many complexes. These include Markey-Spot-Finch complex with ridges of Pullup fine sand, Spot-Finch complex, Paquin sand, Wallace sand, Paquin-Finch sands, Markey and Carbondale mucks, Leafriver-Croswell-Wainola complex, and Croswell-Markey complex.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The entire compartment and surrounding lands are state owned.

**Unique, Natural Features:** Davenport Creek flows through the compartment, as well as tributaries of Hog Island Creek. Many vernal ponds scattered through stands.

**Archeological, Historical, and Cultural Features:** Two pipeline right-of-ways cross the compartment. The northern right-of-way is the Enbridge Oil Pipeline, constructed in 1953, paralleled by Cloverland Electric Co-op transmission line. The southern pipeline is Trans Canada Gas Pipeline, constructed in 1969 and expanded with a parallel line in 1991.

**Special Management Designations or Considerations:** Vernal ponds will be protected from any logging activity and BMP guidelines will be adhered to along any creeks and tributaries.

**Watershed and Fisheries Considerations:** Good-to-Marginal. Davenport Creek system is classified FQCW, due to historic runs of coaster brook trout. The creek now is inundated with a heavy sand bedload,

which limits all aquatic insect and periphyton communities to the surfaces of large woody debris. But the creek still supports a native brook trout population, and the presence of young steelhead show that it is being used for their spawning. It should be protected now for the natural trout it supports. Fisheries Division now maintains a sand trap at the northern pipe line right-of-way. Future management effort might include stream enhancement efforts as well. All cutting should be designed to minimize the area's desirability to beaver, such as possibly cutting to convert the stream corridor to coniferous species.

**Wildlife Habitat Considerations:** Compartment 144 is located north of US-2 near Hog Island, and is east of the Strickler Grouse Management Area. It lies within the St. Ignace subsection of the Niagaran Escarpment and Lake Plain, and contains a mix of aspen and lowland hardwood and conifer types. White birch, aspen, red maple, sugar maple, white pine, black spruce, tamarack, and hemlock are commonly represented species. Wildlife species use includes white-tailed deer, ruffed grouse, American woodcock, snowshoe hare, black bear, coyote, wolf, marten, hawks, and numerous neotropical migratory birds. The compartment is used by wintering deer.

Wildlife objectives include maintaining age class diversity between early successional stands, enhancing diversity in northern hardwoods, protecting wetland habitats, and maintaining wintering habitat for deer. Harvests in deciduous stands will occur during the winter months to provide additional browse for deer during this critical time. Snags and coarse woody debris will be retained to provide habitat for cavity nesters and amphibians. Some large woody trees will be left in hardwood stands, and the species diversity will be retained.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 50 and 100 feet. The Silurian Engadine Group subgroups below the glacial drift. The Engadine is quarried for stone/limestone elsewhere in the UP. The nearest gravel pit is four miles to the north. There may be some gravel potential in the compartment. There is no economic oil and gas production in the UP.

**Vehicle Access:** Access is via Hog Island Road, a seasonal county dirt road that runs between US-2 and H-40. The road is generally a good gravel/sand road, but usually is one of the last roads to lift seasonal restrictions in the spring. There is limited vehicle access along Enbridge Oil Pipeline and Trans Canada Gas Pipelines due to the low ground they cross. Both pipelines require advanced notification of crossings to ensure adequate fill exists over the pipes. Any new timber sale roads will be blocked or planted after management activities occur.

**Survey Needs:** None

**Recreational Facilities and Opportunities:** The snowmobile trail barely touches the compartment by following Sand Lake Road across Davenport Creek and north on Hog Island Road. Hunters, trappers and fishermen use the area. Other opportunities include berry and mushroom picking.

**Fire Protection:** There is potential for fires as demonstrated by the Troll Fire in 1999. However, the overall potential is low to moderate due to the low, wet areas.

**Additional Compartment Information:** None

➤ **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

Compartment 144  
 T43N, R08W, Sec. 25, 26, 36  
 County: Mackinac  
 Unit: Sault Ste Marie  
 YOE: 2013  
 Acres: 1,919 GIS Calculated  
 Stand Examiner: Karen Rodock  
 Map Revised: 8/15/2011  
 Map Phase: Pre-Review

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

26

25

36






**Legend**

- Miris Corners
- ◆ Survey Corners
- + Remonumented Section Corners
- Pipelines
- Powerlines
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- US Highway
- Snowmobile Trail
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Other Treatment - See Comments

**Forest Stands**

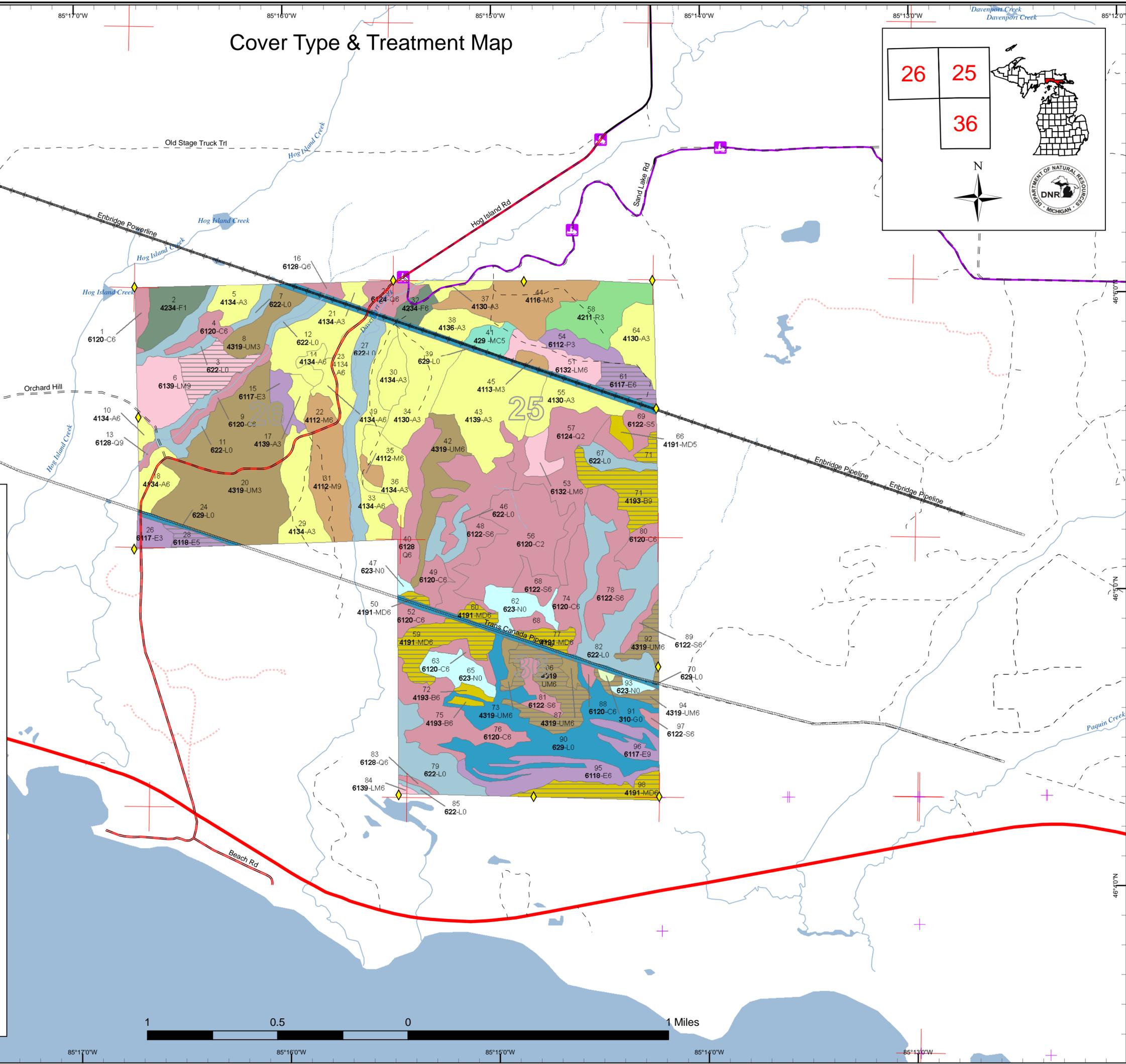
**Level 3**

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

**Non-Forest Stands**

**Level 3**

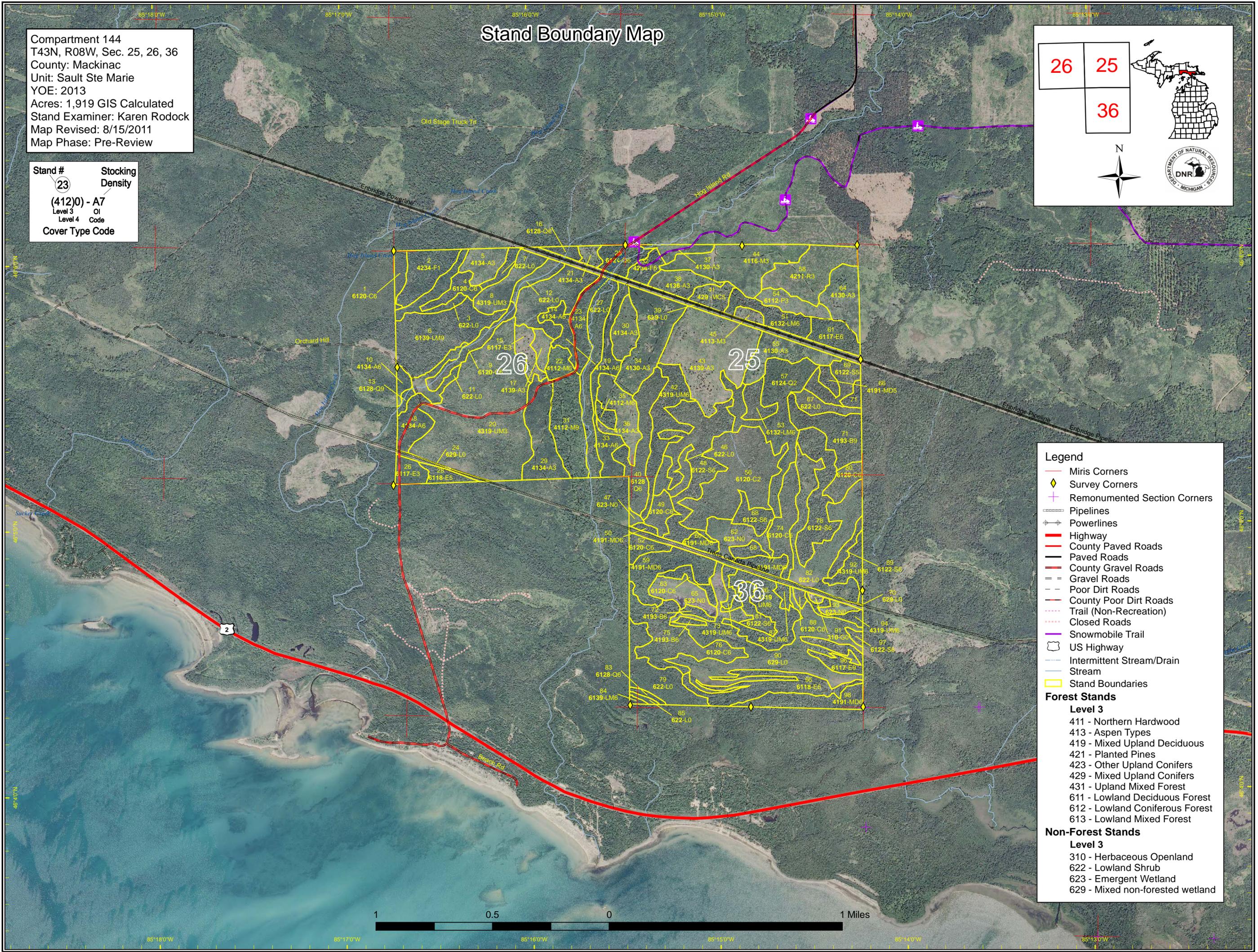
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland



# Stand Boundary Map

Compartment 144  
 T43N, R08W, Sec. 25, 26, 36  
 County: Mackinac  
 Unit: Sault Ste Marie  
 YOE: 2013  
 Acres: 1,919 GIS Calculated  
 Stand Examiner: Karen Rodock  
 Map Revised: 8/15/2011  
 Map Phase: Pre-Review

Stand # **23**  
 Stacking Density  
**(4120) - A7**  
 Level 3 OI  
 Level 4 Code  
 Cover Type Code



### Legend

- Miris Corners
- Survey Corners
- Remonumented Section Corners
- Pipelines
- Powerlines
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Snowmobile Trail
- US Highway
- Intermittent Stream/Drain
- Stream
- Stand Boundaries

### Forest Stands

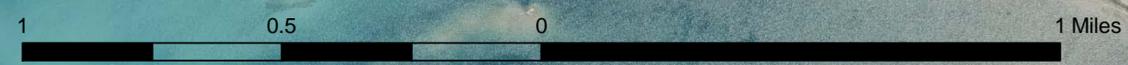
**Level 3**

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

### Non-Forest Stands

**Level 3**

- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland



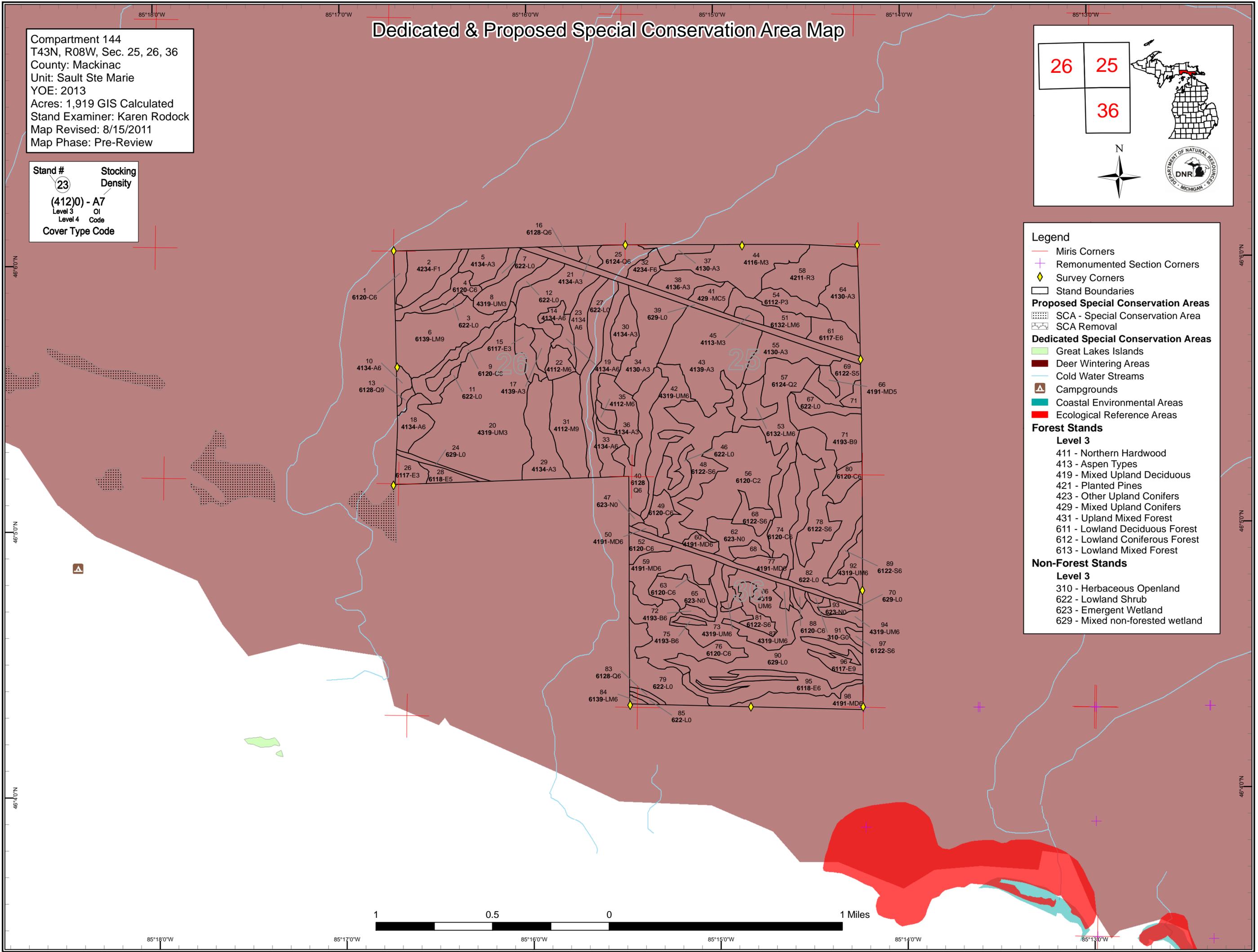
# Dedicated & Proposed Special Conservation Area Map

Compartment 144  
 T43N, R08W, Sec. 25, 26, 36  
 County: Mackinac  
 Unit: Sault Ste Marie  
 YOY: 2013  
 Acres: 1,919 GIS Calculated  
 Stand Examiner: Karen Rodock  
 Map Revised: 8/15/2011  
 Map Phase: Pre-Review

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

### Legend

- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Corners
- Stand Boundaries
- Proposed Special Conservation Areas**
- ▨ SCA - Special Conservation Area
- ▩ SCA Removal
- Dedicated Special Conservation Areas**
- Great Lakes Islands
- Deer Wintering Areas
- Cold Water Streams
- ▲ Campgrounds
- Coastal Environmental Areas
- Ecological Reference Areas
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Stands**
- Level 3**
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland



**Table 1 – Total Acres by Cover Type and Age Class**



	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 +		Unretn Age
Aspen	0	138	110	68	64	10	0	0	0	0	0	0	0	0	0	391
Cedar	0	0	0	0	0	0	0	0	16	0	13	68	0	102	0	199
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Aspen/Balsam Poplar	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Conifers	0	0	0	0	0	0	14	0	54	34	0	0	4	3	0	108
Lowland Deciduous	0	10	0	9	0	0	0	0	0	22	48	0	0	0	0	89
Lowland Mixed Forest	0	0	0	0	0	0	0	28	0	1	53	0	0	0	0	82
Lowland Shrub	320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	320
Lowland Spruce/Fir	0	0	0	0	0	0	0	2	111	16	10	0	0	0	0	140
Marsh	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	59	8	2	0	0	0	0	70
Northern Hardwood	0	4	47	0	0	0	0	0	8	4	0	0	0	0	35	99
Paper Birch	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	38
Red Pine	0	0	36	0	0	0	0	0	0	0	0	0	0	0	0	36
Upland Conifers	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
Upland Mixed Forest	0	0	142	20	0	0	0	0	0	41	17	0	0	0	31	250
Upland Spruce/Fir	0	0	0	24	0	9	0	0	0	0	0	0	0	0	0	32
<b>Total</b>	<b>362</b>	<b>152</b>	<b>347</b>	<b>121</b>	<b>64</b>	<b>19</b>	<b>14</b>	<b>30</b>	<b>297</b>	<b>126</b>	<b>143</b>	<b>68</b>	<b>4</b>	<b>105</b>	<b>66</b>	<b>1919</b>



## Table 2 – Proposed Treatment Summaries

**Sault Ste. Marie Mgt. Unit**  
**Year of Entry 2013**

**Compartment 144**  
**Total Compartment Acres: 1919**

### Acres by Treatment Type

Commercial Harvest - 194	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 43
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
Lowland Deciduous	22	0	0	0	0	0	0	22
Lowland Mixed Forest	24	0	0	0	0	0	0	24
Mixed Upland Deciduous	65	0	0	0	0	0	0	65
Paper Birch	33	0	0	0	0	0	0	33
Upland Mixed Forest	50	0	0	0	0	0	0	50
<b>Total</b>	<b>194</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>194</b>



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	45144006-Cut	24.0	6139 - Mixed Lowland Forest	High Density Log	95	Harvest	Clearcut with Reserves	6139 - Mixed Lowland Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut with reserves following the retention guidelines. Retain white pine, cedar, hemlock and yellow birch within treatment area. No chipping <u>Specs:</u> will be allowed and sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard. Buffer wetland on northern side and southern side. Only harvest a portion of the stand on the north side of stand.</p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>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>									
28	45144028-Cut	6.8	6118 - Lowland Deciduous with Cedar	Medium Density Pole	82	Harvest	Clearcut with Reserves	6118 - Lowland Deciduous with Cedar	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut with reserves following the retention guidelines. Retain white pine, cedar, hemlock and yellow birch within treatment area. No chipping <u>Specs:</u> will be allowed and sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard.</p> <p><u>Other</u> <u>Comments:</u> Next to stand under contract.</p> <p><u>Next</u> <u>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>									
50	45144050-Cut	2.0	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	97	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Currently under contract on Seven Bridges Mix 45-110-10-01. Clearcut with reserves following the retention guidelines. Retain white pine, cedar, <u>Specs:</u> hemlock and yellow birch within treatment area. No chipping will be allowed and sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard.</p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>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>									
59	45144059-Cut	28.1	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	71	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Currently under contract on Seven Bridges Mix 45-110-10-01. Clearcut with reserves following the retention guidelines. Retain white pine, cedar, <u>Specs:</u> hemlock and yellow birch within treatment area. No chipping will be allowed and sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard.</p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>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>									
60	45144060-Cut	5.1	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	71	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Currently under contract on Seven Bridges Mix 45-110-10-01. Clearcut with reserves following the retention guidelines. Retain white pine, cedar, <u>Specs:</u> hemlock and yellow birch within treatment area. No chipping will be allowed and sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard.</p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>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>									



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
61	45144061-Cut	15.0	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	80	Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut with reserves following the retention guideline. Retain patch or patches of greater than .5 acres for the treatment area and leave conifer <u>Specs:</u> 4" and smaller on the site. Some paper birch and white pine should be retained for seed trees and future snags and retain all cedar. Sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard.</p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>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>									
77	45144077-Cut	8.5	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	81	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Currently under contract on Seven Bridges Mix 45-110-10-01. Clearcut with reserves following the retention guidelines. Retain white pine, cedar, <u>Specs:</u> hemlock and yellow birch within treatment area. No chipping will be allowed and sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard.</p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>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>									
86	45144086-Cut	32.8	4319 - Mixed Upland Forest	High Density Pole	81	Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Currently under contract on Seven Bridges Mix 45-110-10-01. Clearcut with reserves following the retention guidelines. Retain white pine, cedar, <u>Specs:</u> hemlock and yellow birch within treatment area. No chipping will be allowed and sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard.</p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>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>									
92	45144092-Cut	11.2	4319 - Mixed Upland Forest	High Density Pole	91	Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Currently under contract on Seven Bridges Mix 45-110-10-01. Clearcut with reserves following the retention guidelines. Retain white pine, cedar, <u>Specs:</u> hemlock and yellow birch within treatment area. No chipping will be allowed and sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard.</p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>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>									
94	45144094-Cut	6.0	4319 - Mixed Upland Forest	High Density Pole	91	Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Currently under contract on Seven Bridges Mix 45-110-10-01. Clearcut with reserves following the retention guidelines. Retain white pine, cedar, <u>Specs:</u> hemlock and yellow birch within treatment area. No chipping will be allowed and sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard.</p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>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>									



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
98	45144098-Cut	21.4	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	72	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Currently under contract on Seven Bridges Mix 45-110-10-01. Clearcut with reserves following the retention guidelines. Retain white pine, cedar, hemlock and yellow birch within treatment area. No chipping will be allowed and sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard.

Other  
Comments:

Next  
Steps: 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.

24	NF_45144024- Other	3.8	Non-Forested		0	Other	Unspecified	629 - Mixed non- forested wetland	Cmpt. Review Proposal
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Prescription Routine opening maintenance of the pipeline right-of-way for non-forested condition.

Specs:

Other  
Comments:

Next  
Steps:

39	NF_45144039- Other	25.6	Non-Forested		0	Other	Unspecified	629 - Mixed non- forested wetland	Cmpt. Review Proposal
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Prescription Routine opening maintenance of the pipeline right-of-way for non-forested condition.

Specs:

Other  
Comments:

Next  
Steps:

70	NF_45144070- Other	14.1	Non-Forested		0	Other	Unspecified	629 - Mixed non- forested wetland	Cmpt. Review Proposal
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Prescription Routine opening maintenance of the pipeline right-of-way for non-forested condition.

Specs:

Other  
Comments:

Next  
Steps:

**Total Treatment  
Acreage Proposed: 204.2**

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	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
71	45144071-Cut	32.7	4193 - Birch, Aspen	High Density Log	73	Harvest	Clearcut with Reserves	4193 - Birch, Aspen	Cmpt. Review Proposal

Prescription Clearcut with reserves following the retention guideline. Retain patch or patches of greater than 1 acres for the treatment area and leave conifer  
Specs: 4" and smaller on the site. Some paper birch and white pine should be retained for seed trees and future snags. sale operations are restricted to December 15 to April 1 unless changed by written agreement because of deer yard.

Other Harvest with stand 16 in compartment 140.  
Comment:

Next Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, cedar, yellow and  
Steps: paper birch, balsam fir, white spruce, black spruce and white pine.

Limiting Factor and No 5E: Age / size class diversity  
Treatment Reason

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**Total Treatment  
Acreage Proposed: 32.7**

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

Year of Entry: 2013



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<b>45158_OutOfY OE-Cut</b>	2.5				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. Some larger canopy gaps may be desirable to 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, beech, yellow and paper birch, ironwood, balsam fir, white spruce, black spruce and white pine.								
<b>NF_45134015- NonFor</b>	4.7	Unspecified		0	Non-Forest Management	Patch or Strip Clearcut	31021 - Cool Season Grass	Cmpt. Review Proposal
<u>Prescription:</u> Treat with C149 s 63. Opening maintenance removing jack pine seedlings and saplings. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u>								
<b>Total Treatment Acreage Proposed:</b>		<b>7.2</b>						

S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 144	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
1	6120 - Lowland Cedar	High Density Pole	6.5	120			Very wet stand with Hog Island creek flowing along it. Heavy deer use and very thick cedar. Areas of the stand are more like C3 then a C6 stand. Still very thick cedar within the stand.
2	42340 - Upland Spruce/Fir	Low Density Sapling	23.6	21	1-50		Clear cut with a lot of residual, non-merchantable balsam fir and spruce scattered with some aspen clumps also. A handful of super canopy white pine remaining scattered. Some area of aspen regeneration following sale.
4	6120 - Lowland Cedar	High Density Pole	9.8	129			Cedar patch between the lowland shrub areas.
5	4134 - Aspen, Spruce/Fir	High Density Sapling	14.4	13			Aspen with balsam and spruce and some paper birch of 10 to 20' tall. Deer slowed the growth. Buffer left along east side of stand.
6	6139 - Mixed Lowland Forest	High Density Log	53.0	95			Areas of mixed species and heavy spagnum areas with small ridges. Very variable stand with areas of heavy conifer.
8	4319 - Mixed Upland Forest	High Density Sapling	20.2	21			Mixed aspen - spruce fir stand. Areas are heavier to spruce and fir with some wet areas.
9	6120 - Lowland Cedar	High Density Pole	12.6	95			Very wet along the stream part have been flooded out to the south. Sheet flow through the stand. Leave for BMP.
10	4134 - Aspen, Spruce/Fir	High Density Pole	4.4	32			Some low areas
13	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	2.6	135			Stream flows through the stand. Mixed stand of variable crown closure. Heavy deer use of the stand.
14	4134 - Aspen, Spruce/Fir	High Density Pole	34.8	23			A3 last entry, A6 now. Variable sizes and species of trees.
15	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	10.3	6			Less than 10 BA residual trees (white pine, hemlock, cedar). Upland and lowland areas.
16	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	4.0	118			Creek flows through the stand. Very wet in areas.
17	4139 - Aspen, Mixed Deciduous	High Density Sapling	6.8	6			A few scattered residual trees <10 BA (white pine, cedar, hemlock). Some low, wet areas.
18	4134 - Aspen, Spruce/Fir	High Density Pole	15.8	32			Aspen regeneration is 20 to 25' tall with mixed spruce and fir. Where the lower ground is scattered throughout with some cedar in there with tag alder drainage in middle of the stand.
19	4134 - Aspen, Spruce/Fir	High Density Pole	10.5	42	81-110		Mix of tree species and sizes.



Stand	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 144	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
20	4319 - Mixed Upland Forest	High Density Sapling	141.5	18			Mix of aspen with Spruce, fir and tamarack where wetter. Large scattered white pine throughout the stand.
21	4134 - Aspen, Spruce/Fir	High Density Sapling	4.7	6			Good regeneration.
22	4112 - Maple, Beech, Cherry Association	High Density Pole	8.5	75	81-110		BBD present, beech is dying. Rolling terrain.
23	4134 - Aspen, Spruce/Fir	High Density Pole	16.6	33	81-110		A variety of tree sizes and species. Between Hog Island Rd & Davenport Creek.
25	6124 - Lowland Spruce-Fir	High Density Pole	13.7	55	51-80		Davenport Creek and seasonal drainages within stand. Snowmobile trail and Hog Island Rd through stand. Upland and lowland areas.
26	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	8.9	21			Mixed lowland stand cut in 1990.
28	6118 - Lowland Deciduous with Cedar	Medium Density Pole	6.8	82			Stand is very wet and stocking is moderate to poor.
29	4134 - Aspen, Spruce/Fir	High Density Sapling	33.3	22			Good mix of species. Wet in areas.
30	4134 - Aspen, Spruce/Fir	High Density Sapling	14.7	7			Real good regeneration
31	4112 - Maple, Beech, Cherry Association	High Density Log	35.1	Uneven Age	81-110		
32	42340 - Upland Spruce/Fir	High Density Pole	8.7	48	51-80		Snowmobile trail in stand. Many trees 1-4" DBH.
33	4134 - Aspen, Spruce/Fir	High Density Pole	27.5	31			Nice aspen stand along Davenport Creek.
34	4130 - Aspen	High Density Sapling	42.1	15			Some low, wet areas. A few residual trees (hemlock, white pine).
35	4112 - Maple, Beech, Cherry Association	High Density Pole	4.2	89	51-80		Thinned in 2004 on 10 Year After Sale. Deer browse on the shoots.
36	4134 - Aspen, Spruce/Fir	High Density Sapling	23.4	7			Good regeneration.
37	4130 - Aspen	High Density Sapling	7.9	12			Snowmobile trail through stand.
38	4136 - Aspen, Mixed Conifer	High Density Sapling	14.3	6	1-50		Dense A3/ M3/ F3 mix. Residual trees include: hemlock, yellow birch, white pine, red maple.



Stand	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 144	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2013	
40	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	31.9	89			Mixed cedar, birch, balsam and spruce stand. Very wet in areas with seeps.
41	429 - Mixed Upland Conifers	Medium Density Pole	10.2	70	1-50		Shelterwood cut last entry resulting in a two-aged stand. Low, wet areas within the stand.
42	4319 - Mixed Upland Forest	High Density Pole	30.9	Uneven Age			Ridge in the swamp. Some wet areas.
43	4139 - Aspen, Mixed Deciduous	High Density Sapling	74.3	5			Residual hemlock, white pine, cedar <10BA. Some low, wet areas.
44	4116 - Mixed N. Hardwood - Aspen	High Density Sapling	46.8	12			Mainly cherry with aspen. Small grassy opening along road in stand.
45	4113 - R.Maple, Conifer	High Density Sapling	4.0	6	1-50		Harvested last entry. Residual trees include white pine, hemlock and cedar. Upland and lowland areas.
48	6122 - Black Spruce	High Density Pole	55.3	77			
49	6120 - Lowland Cedar	High Density Pole	9.8	77			Lots of water.
50	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	2.0	97			Under contract on Seven Bridges Mix 45-110-10-01
51	6132 - Mixed Lowland Forest with Cedar	High Density Pole	18.5	65			Variety Q6 stand. Wet areas throughout and deer trails.
52	6120 - Lowland Cedar	High Density Pole	7.8	140			Standing water with tag alder in open spots.
53	6132 - Mixed Lowland Forest with Cedar	High Density Pole	9.8	65	111-140		
54	6112 - Lowland Aspen	High Density Sapling	13.3	12			Low, wet ground.
55	4130 - Aspen	High Density Sapling	22.4	13			Residual white pine, hemlock and cedar less than 10 BA.
56	6120 - Lowland Cedar	Medium Density	67.9	106			
57	6124 - Lowland Spruce-Fir	Medium Density	53.7	71			
58	42110 - Planted Red Pine	High Density Sapling	35.9	12			
59	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	28.1	71			Under contract on Seven Bridges Mix 45-110-10-01.



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## Sault Ste. Marie Mgt. Unit

## 5 – Forested Stands

Compartment: 144  
Year of Entry: 2013

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4191 - Mixed Upland Deciduous with Conifer	High Density Pole	5.1	71		Under contract on Seven Bridges Mix 45-110-10-01
6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	15.0	80	81-110	Upland and lowland areas. Mix of tree species and sizes.
6120 - Lowland Cedar	High Density Pole	6.4	74		Left as retention for Seven Bridges Mix.
4130 - Aspen	High Density Sapling	22.8	12		Standing dead and down trees from Troll Fire in 1999. Some scattered pole trees remain.
4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	4.6	77		
6122 - Black Spruce	High Density Pole	15.0	77		
6122 - Black Spruce	Medium Density Pole	15.8	89		
4193 - Birch, Aspen	High Density Log	32.7	73		Part of stand 16 in compartment 140.
4193 - Birch, Aspen	High Density Pole	3.1	74		
4319 - Mixed Upland Forest	High Density Pole	4.4	81		Left as a retention area for unit 9 of Seven Bridges Mix sale.
6120 - Lowland Cedar	High Density Pole	22.0	151		Poor quality cedar stand
4193 - Birch, Aspen	High Density Pole	2.0	77		Ridge in the swamp
6120 - Lowland Cedar	High Density Pole	43.7	151		
4191 - Mixed Upland Deciduous with Conifer	High Density Pole	8.5	81		Part of Seven Bridges Mix Sale 45-110-10-01.
6122 - Black Spruce	High Density Pole	35.2	77		
6120 - Lowland Cedar	High Density Pole	10.2	122		Part of stand 14 in comp 140.
6122 - Black Spruce	High Density Pole	10.4	97		Some bog areas within the stand.
6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	2.2	81		

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Sault Ste. Marie Mgt. Unit

## 5 – Forested Stands

Compartment: 144

Year of Entry: 2013



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
84	6139 - Mixed Lowland Forest	High Density Pole	1.2	81		
86	4319 - Mixed Upland Forest	High Density Pole	32.8	81		Part of Seven Bridge Mix sale 45-110-10-01
87	4319 - Mixed Upland Forest	High Density Pole	3.6	81		Stream flows thru the stand.
88	6120 - Lowland Cedar	High Density Pole	2.2	141		Flow thru stand.
89	6122 - Black Spruce	High Density Pole	5.8	77		retention area for Seven Bridges Sale
92	4319 - Mixed Upland Forest	High Density Pole	11.2	91		Part of Seven Bridge Mix sale 45-110-10-01
94	4319 - Mixed Upland Forest	High Density Pole	6.0	91		Part of Seven Bridges Mix 45-110-10-01
95	6118 - Lowland Deciduous with Cedar	High Density Pole	34.8	91		
96	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	13.3	91		
97	6122 - Black Spruce	High Density Pole	2.2	68		
98	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	21.4	72		Part of Seven Bridges Mix Sale 45-110-10-01



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	622 - Lowland Shrub	14.7	No	Unspecified	
7	622 - Lowland Shrub	5.5	No	Unspecified	
11	622 - Lowland Shrub	11.2	No	Unspecified	
12	622 - Lowland Shrub	8.3	No	Unspecified	
24	629 - Mixed non-forested wetland	3.8	N/A	Unspecified	
27	622 - Lowland Shrub	31.5	No	Unspecified	Davenport Creek flows thru the stand.
39	629 - Mixed non-forested wetland	25.6	No	Unspecified	Enbridge Pipeline ROW
46	622 - Lowland Shrub	11.3	No	Unspecified	
47	623 - Emergent Wetland	1.8	No	Unspecified	
62	623 - Emergent Wetland	17.7	No	Unspecified	
65	623 - Emergent Wetland	16.8	No	Unspecified	
67	622 - Lowland Shrub	9.6	No	Unspecified	
70	629 - Mixed non-forested wetland	14.1	No	Unspecified	Great Lakes Gas Pipeline ROW
79	622 - Lowland Shrub	30.6	No	Unspecified	
82	622 - Lowland Shrub	56.0	No	Unspecified	
85	622 - Lowland Shrub	1.6	No	Unspecified	
90	629 - Mixed non-forested wetland	96.4	No	Unspecified	
91	310 - Herbaceous Openland	1.3	Yes	Low (NonForested)	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
93	623 - Emergent Wetland	4.1	No	Unspecified	



### 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
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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.

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.