

feed. Most of the compartment lies within deer yard, providing important cover for wintering white-tailed deer. Several hardwood stands will be thinned to promote age class and structural diversity. Buffers will be placed along wetlands and other waterbodies. Timber harvests will take place during the winter months, allowing residual tops to be available as browse for wintering deer. Oak, hemlock, cedar, yellow birch, and large white pine will be left as well as some large wolfy trees and a component of beech (typically 2-5 per acre where present) in hardwood stands. Cedar stands will be protected to provide cover for deer and other species. Marsh and other wetland habitat will be protected to provide habitat for beaver, muskrat, and waterfowl.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of a mixture of lacustrine (lake) sand and gravel, glacial outwash sand and gravel postglacial alluvium and thin to discontinuous glacial deposits over bedrock. The glacial drift thickness varies between 10 and 50 feet. The Silurian Engadine Group subgroups below the glacial drift. This formation is quarried for stone/dolomite four miles to the east. There are many gravel pits to the east, and portions of the compartment should have good potential. There is no economic oil and gas production in the UP, currently.

Vehicle Access: The compartment is sandwiched between M-129 to the east, and Three Mile Rd to the west with no State owned frontage. Linderman/Norwich Rd bisects the comp, connecting the two highways (m-129 & Three Mile Rd.). Several logging spurs allow limited access to other portions of the compartment. The snowmobile trail follows the Lindernman /Norwich Rd and an additional snow trail extends north via an old winter road which is impassable in summer.

Survey Needs: Secs 15 and 23. See map for treatment details.

Recreational Facilities and Opportunities: The snowmobile trail runs through the compartment connecting the Bay City lake area to M-129 and Cedarville. No ORV trails but trail riding on forest roads is common. Hunting and dispersed camping are the main activities. Some mushrooming may take place as morels have been found here. The Les Cheneaux Nordic Ski trail loop is on an old logging road off the Blind Line Rd in Section 25.

Fire Protection: Access is generally good. However, the bridge over Hessel Creek will not hold fire equipment. Until the bridge is replaced the compartment can be accessed from Three Mile Rd as well as Linderman/Norwich Rd. There is also an access on the snowmobile trial from Blind Line Rd through the treatment ponds. Water sources are limited but Hessel Creek can be access in a few locations, and Lake Huron is a few miles away.

Additional Compartment Information: None.

➤ **The following reports from the Inventory are attached:**

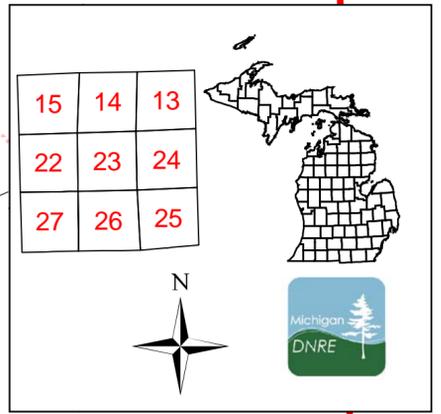
- ◆ **Total Acres by Cover Type and Age Class**
- ◆ **Proposed Treatment Summary**
- ◆ **Proposed Treatments – No Limiting Factors**
- ◆ **Proposed Treatments – With Limiting Factors**
- ◆ **Stand Details (Forested and Nonforested)**
- ◆ **Dedicated and Proposed Special Conservation Areas**

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

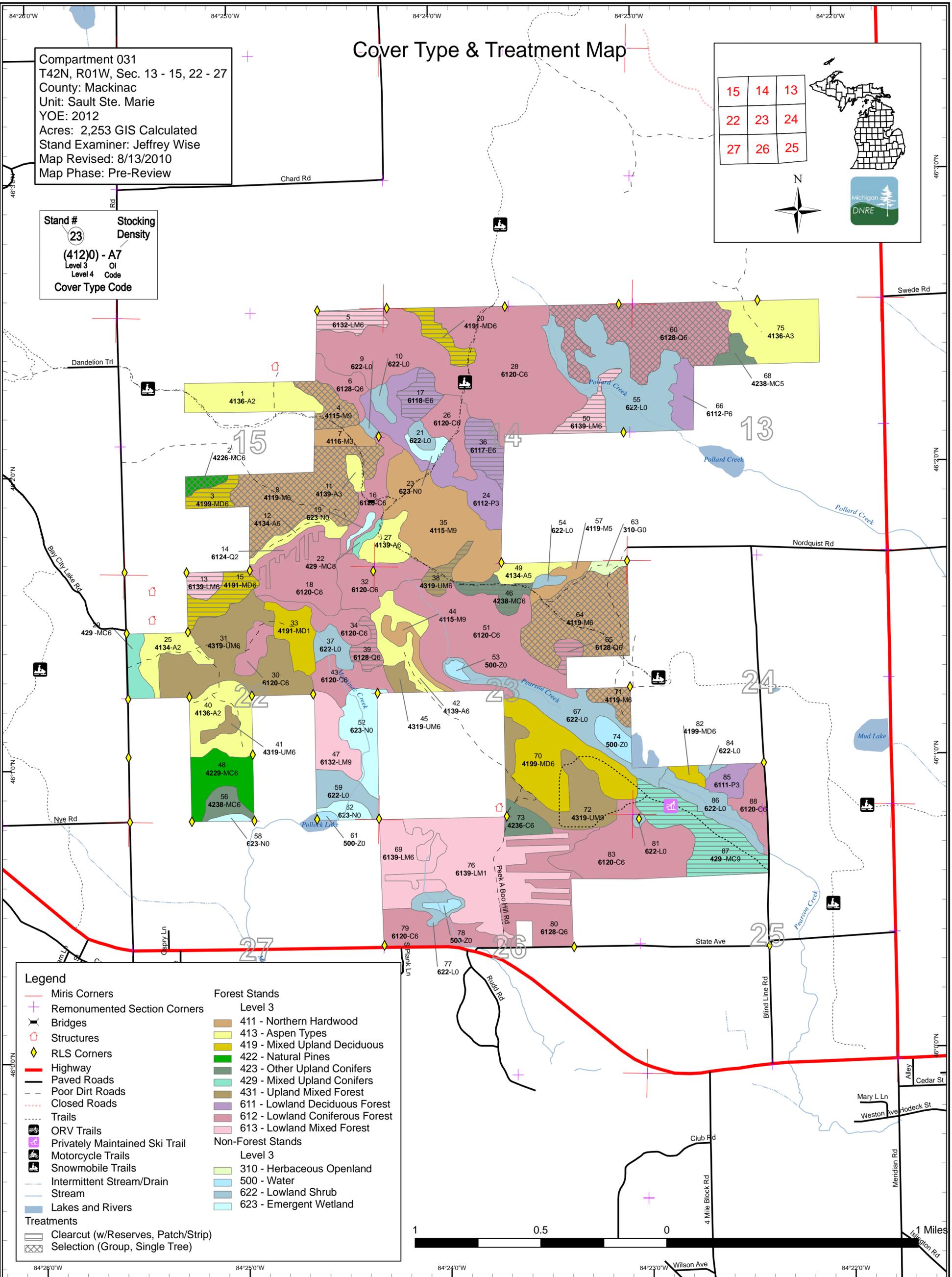
- ◆ **Base feature information, stand boundaries, cover types, and numbers**
- ◆ **Proposed treatments**
- ◆ **Details on the road access system**

Cover Type & Treatment Map

Compartment 031
 T42N, R01W, Sec. 13 - 15, 22 - 27
 County: Mackinac
 Unit: Sault Ste. Marie
 YOY: 2012
 Acres: 2,253 GIS Calculated
 Stand Examiner: Jeffrey Wise
 Map Revised: 8/13/2010
 Map Phase: Pre-Review



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



Legend

- Miris Corners
- Remonumented Section Corners
- Bridges
- Structures
- RLS Corners
- Highway
- Paved Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- ORV Trails
- Privately Maintained Ski Trail
- Motorcycle Trails
- Snowmobile Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural 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

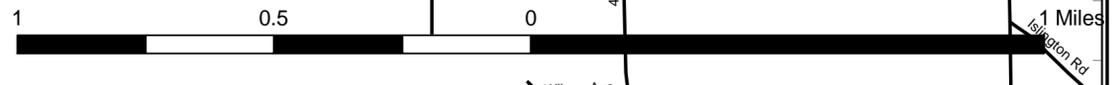
Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)



Stand Boundary Map

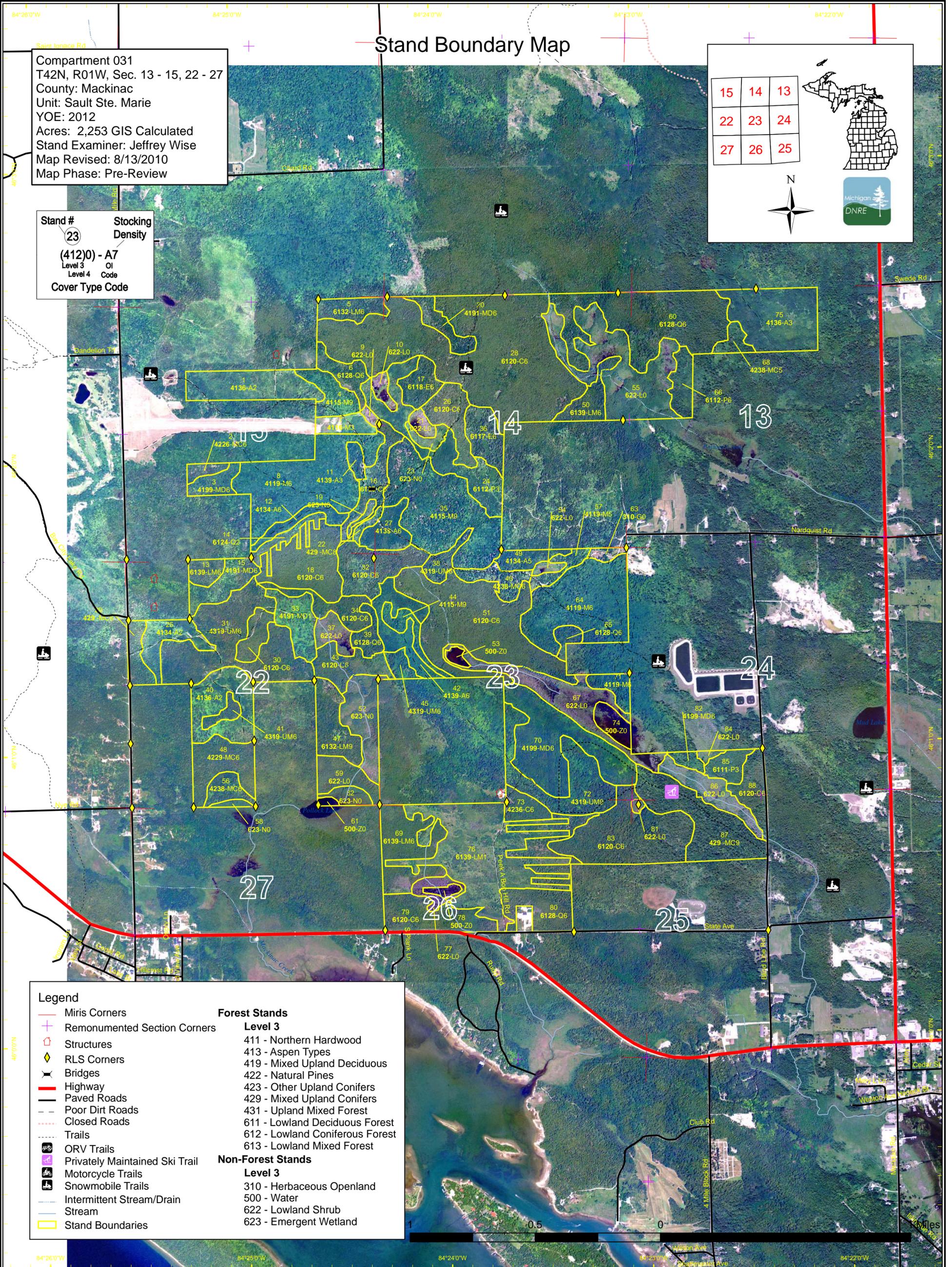
Compartment 031
 T42N, R01W, Sec. 13 - 15, 22 - 27
 County: Mackinac
 Unit: Sault Ste. Marie
 YOE: 2012
 Acres: 2,253 GIS Calculated
 Stand Examiner: Jeffrey Wise
 Map Revised: 8/13/2010
 Map Phase: Pre-Review

15	14	13
22	23	24
27	26	25





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



Legend	
	Miris Corners
	Remonumented Section Corners
	Structures
	RLS Corners
	Bridges
	Highway
	Paved Roads
	Poor Dirt Roads
	Closed Roads
	Trails
	ORV Trails
	Privately Maintained Ski Trail
	Motorcycle Trails
	Snowmobile Trails
	Intermittent Stream/Drain
	Stream
	Stand Boundaries

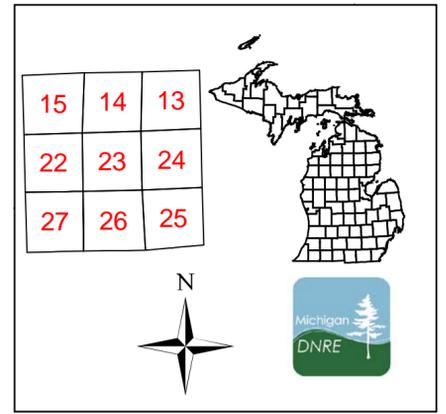
Forest Stands	
Level 3	
411	- Northern Hardwood
413	- Aspen Types
419	- Mixed Upland Deciduous
422	- Natural Pines
423	- Other Upland Conifers
429	- Mixed Upland Conifers
431	- Upland Mixed Forest
611	- Lowland Deciduous Forest
612	- Lowland Coniferous Forest
613	- Lowland Mixed Forest

Non-Forest Stands	
Level 3	
310	- Herbaceous Openland
500	- Water
622	- Lowland Shrub
623	- Emergent Wetland

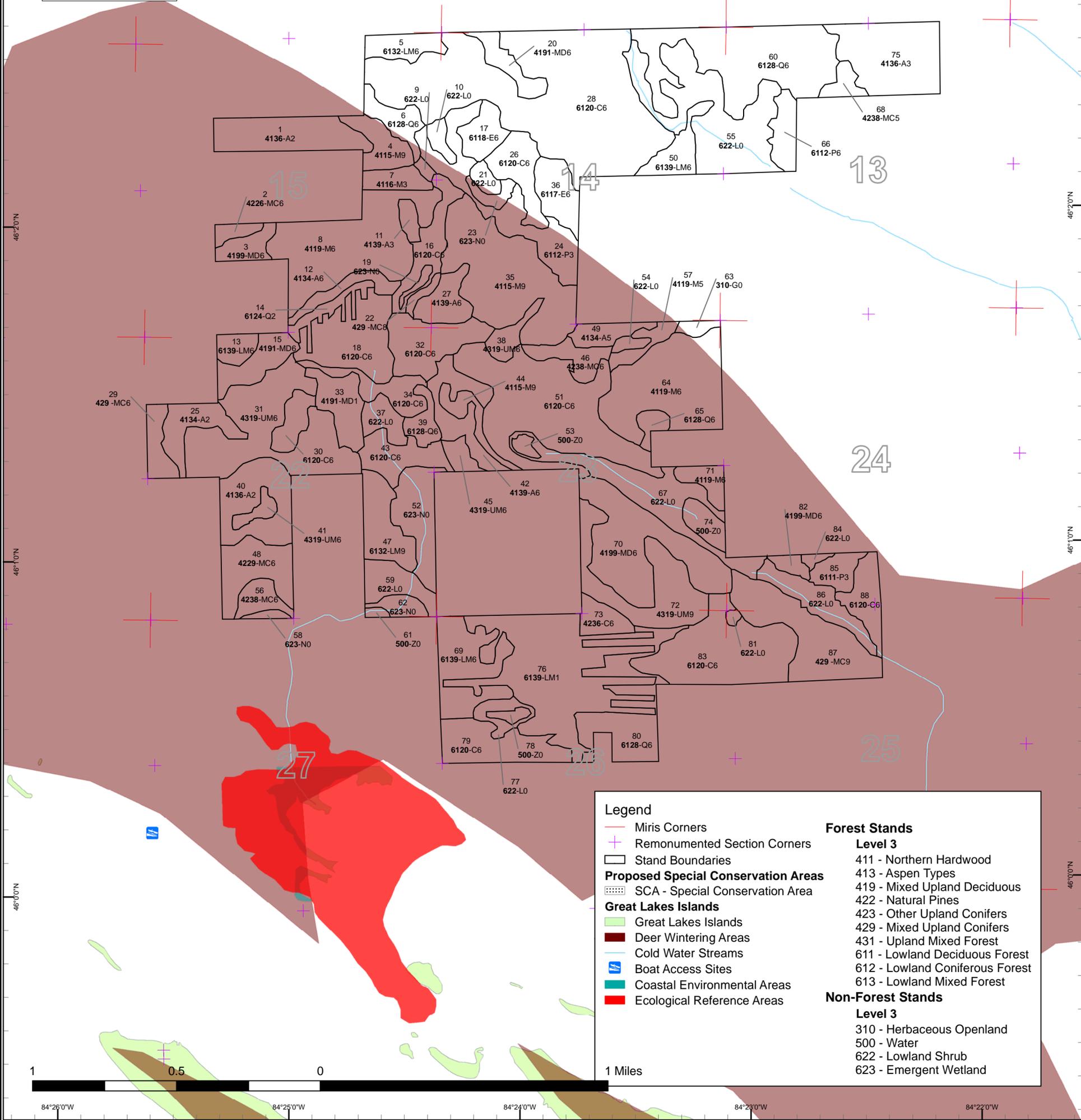


Compartment 031
 T42N, R01W, Sec. 13 - 15, 22 - 27
 County: Mackinac
 Unit: Sault Ste. Marie
 YOE: 2012
 Acres: 2,253 GIS Calculated
 Stand Examiner: Jeffrey Wise
 Map Revised: 8/13/2010
 Map Phase: Pre-Review

Dedicated & Proposed Special Conservation Area Map



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



Legend	
—	Miris Corners
+	Remunented Section Corners
□	Stand Boundaries
▨	Proposed Special Conservation Areas
▨	SCA - Special Conservation Area
Great Lakes Islands	
■	Great Lakes Islands
■	Deer Wintering Areas
—	Cold Water Streams
■	Boat Access Sites
■	Coastal Environmental Areas
■	Ecological Reference Areas
Forest Stands	
Level 3	
411	- Northern Hardwood
413	- Aspen Types
419	- Mixed Upland Deciduous
422	- Natural 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
500	- Water
622	- Lowland Shrub
623	- Emergent Wetland



84°26'0"W 84°25'0"W 84°24'0"W 84°23'0"W 84°22'0"W

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	37	129	46	0	0	0	0	0	0	0	0	0	213	
Cedar	0	0	0	0	0	0	0	0	0	11	33	349	0	198	591	
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Lowland Aspen/Balsam Poplar	0	0	11	58	0	0	0	0	0	0	0	0	0	0	69	
Lowland Conifers	0	0	0	0	0	10	0	0	0	0	23	94	0	48	174	
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	19	0	14	0	33	
Lowland Mixed Forest	0	0	0	0	102	0	0	0	0	0	22	15	25	38	202	
Lowland Shrub	195	0	0	0	0	0	0	0	0	0	0	0	0	0	195	
Marsh	46	0	0	0	0	0	0	0	0	0	0	0	0	0	46	
Mixed Upland Deciduous	0	21	0	67	0	0	0	10	0	0	18	17	0	0	134	
Natural Mixed Pines	0	0	0	0	0	0	0	5	0	0	0	29	0	0	34	
Northern Hardwood	0	10	0	0	0	0	0	0	9	0	0	264	0	10	293	
Upland Conifers	0	0	0	0	0	0	0	0	14	0	30	0	0	57	100	
Upland Mixed Forest	0	0	0	0	0	0	0	0	9	0	86	6	0	45	147	
Water	18	0	0	0	0	0	0	0	0	0	0	0	0	0	18	
Total	263	31	48	254	147	10	0	16	31	11	211	793	25	410	0	2253



Sault Ste. Marie Mgt. Unit
Year of Entry 2012

Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Compartment 031
Total Compartment Acres: 2253

Acres by Treatment Type

Commercial Harvest - 474	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
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 Conifers	15	88	0	0	0	0	103
Lowland Deciduous	33	0	0	0	0	0	33
Lowland Mixed Forest	37	0	0	0	0	0	37
Mixed Upland Deciduous	41	0	0	0	0	0	41
Natural Mixed Pines	0	5	0	0	0	0	5
Northern Hardwood	0	178	0	0	0	0	178
Upland Conifers	68	0	0	0	0	0	68
Upland Mixed Forest	9	0	0	0	0	0	9
Total	203	271	0	0	0	0	474



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	45031004-Cut	16.2	4115 - Y.Birch, Hemlock NH	High Density Log	100	Harvest	Single Tree Selection	Y.Birch, Hemlock NH	Cmpt. Review Proposal
<p><u>Prescription</u> Mark to 80 BA, except do not mark hemlock, pine, yellow birch, or aspen. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.</p>									
8	45031008-Cut	79.8	4119 - Mixed Northern Hardwoods	High Density Pole	100	Harvest	Single Tree Selection	Mixed Northern Hardwoods	Cmpt. Review Proposal
<p><u>Prescription</u> Mark to 80 Basal Area. Do not mark oak, hemlock, cedar, pine, or yellow birch, leave some big wolfy dead/dying beech for wildlife but mark according to presence of BBD. <u>Specs:</u> <u>Other Comments:</u> Survey needed. Winter cut- deer yard. <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable.</p>									
13	45031013-Cut	8.4	6139 - Mixed Lowland Forest	High Density Pole	97	Harvest	Clearcut with Reserves	Mixed Lowland Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest all species except oak, cedar, hemlock, white pine sawlogs, and yellow birch if present. Some white pine pulp may need to be harvested for operational efficiency. <u>Specs:</u> <u>Other Comments:</u> No survey needed, but would be useful. Winter cut - deer yard <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable.</p>									
15	45031015-Cut	18.2	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	97	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest all species except oak, cedar, hemlock, pine, and yellow birch if present. <u>Specs:</u> <u>Other Comments:</u> No survey needed. Winter cut - deer yard. <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable.</p>									
20	45031020-Cut	12.6	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	108	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest all species except cedar, oak, pine, hemlock, and yellow birch if present. <u>Specs:</u> <u>Other Comments:</u> Winter cut - deer yard, access from snow trail, frozen conditions needed to access. <u>Next Steps:</u> Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.</p>									



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
36	45031036-Cut	18.7	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	107	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<p><u>Prescription:</u> Harvest all species except oak, cedar, hemlock, pine, and yellow birch if present. <u>Specs:</u> <u>Other Comments:</u> Survey needed. Winter cut - deer yard. <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable</p>									
38	45031038-Cut	9.0	6130 - Fir, Aspen, Maple	High Density Pole	74	Harvest	Clearcut with Reserves	Fir, Aspen, Maple	Cmpt. Review Proposal
<p><u>Prescription:</u> Harvest all species except pine, oak, hemlock, cedar, and yellow birch if present. <u>Specs:</u> <u>Other Comments:</u> Winter cut - deer yard <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable</p>									
39	45031039-Cut	9.2	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	96	Harvest	Clearcut with Reserves	Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription:</u> Harvest all species except cedar, oak, hemlock, pine, and yellow birch if present. <u>Specs:</u> <u>Other Comments:</u> winter cut -deer yard <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable.</p>									
46	45031046-Cut	13.6	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	74	Harvest	Clearcut with Reserves	Non Pine Upland Conifer, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription:</u> Harvest all species except oak, hemlock, pine, cedar, and yellow birch if present. <u>Specs:</u> <u>Other Comments:</u> <u>Next Steps:</u> Follow up treatment with a regeneration survey as per work instructions. Regeneration of present species acceptable.</p>									
64	45031064-Cut	72.5	4119 - Mixed Northern Hardwoods	High Density Pole	100	Harvest	Single Tree Selection	Mixed Northern Hardwoods	Cmpt. Review Proposal
<p><u>Prescription:</u> Mark to 80 Basal Area, do not mark oak, pine, hemlock, cedar, or yellow birch and leave some big wolfy dead/dying beech, but mark according to presence of BBD. <u>Specs:</u> <u>Other Comments:</u> No survey needed but would be useful. Winter cut - deer yard <u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable.</p>									



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
65	45031065-Cut	5.9	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	102	Harvest	Clearcut with Reserves	Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal

Prescription: Harvest all species except cedar, oak, hemlock, pine, and yellow birch if present.

Specs:

Other: winter cut-deer yard.

Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable.

71	45031071-Cut	9.7	4119 - Mixed Northern Hardwoods	High Density Pole	100	Harvest	Single Tree Selection	Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription: Mark to 80 Basal area, do not mark oak, pine, hemlock, cedar, or yellow birch, and leave some big wolfy dead/dying beech, but mark according to presence of BBD.

Other: No survey needed. Winter cut - deer yard.

Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable.

**Total Treatment
 Acreage Proposed: 273.7**



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	45031002-Cut	5.2	42260 - Natural Pine, Mixed Deciduous	High Density Pole	60	Harvest	Single Tree Selection	Natural Pine, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Mark pine as needed to thin and release crop trees. Leave large wolfy trees for aesthetics. Recommend to allow cutting in snow free season...its pine.</p> <p><u>Other Comment:</u> deer yard, survey needed.</p> <p><u>Next Steps:</u> Follow up treatment with regeneration harvest as per work instructions. Regeneration and release of pine desired but will accept any other species present.</p> <p><u>Limiting Factor and No Treatment Reason</u> 2H: Survey needed</p>									
3	45031003-Cut	10.5	4199 - Other Mixed Upland Deciduous	High Density Pole	60	Harvest	Clearcut with Reserves	Other Mixed Upland Deciduous	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Harvest all species except oak, hemlock, pine, cedar, and yellow birch if present.</p> <p><u>Other Comment:</u> Winter cut - deer yard survey needed.</p> <p><u>Next Steps:</u> Follow up treatment with regeneration survey as per work instructions. Regeneration of present speices acceptable.</p> <p><u>Limiting Factor and No Treatment Reason</u> 2H: Survey needed</p>									
5	45031005-Cut	14.0	6132 - Mixed Lowland Forest with Cedar	High Density Pole	91	Harvest	Clearcut with Reserves	Mixed Lowland Forest with Cedar	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Harvest all species except cedar, oak, hemlock, pine and yellow birch if present.</p> <p><u>Other Comment:</u> Survey good but wet and wet access through State would be off snow trail, very frozen conditons only.</p> <p><u>Next Steps:</u> Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.</p> <p><u>Limiting Factor and No Treatment Reason</u> 2F: Too wet Also wet access, and snow trail through State, private access may not be possible, very frozen conditions only.</p>									
17	45031017-Cut	14.0	6118 - Lowland Deciduous with Cedar	High Density Pole	124	Harvest	Clearcut with Reserves	Lowland Deciduous with Cedar	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Harvest all species except oak, pine, cedar, hemlock, and yellow birch if present.</p> <p><u>Other Comment:</u> Access from snow trail in winter only, very frozen conditons needed to freeze road in, winter cut - deer yard.</p> <p><u>Next Steps:</u> Follow up treatment with regeneration survey as per work instructions. Regeneration ofm present species acceptable.</p> <p><u>Limiting Factor and No Treatment Reason</u> 2F: Too wet Aslo need road frozen in.</p>									



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
50	45031050-Cut	15.1	6139 - Mixed Lowland Forest	High Density Pole	104	Harvest	Clearcut with Reserves	Mixed Lowland Forest	Cmpt. Review Proposal

Prescription Harvest all species except cedar, oak, hemlock, pine, and yellow birch if present.

Specs:

Other Comment: Wintert cut - deer yard, wet and has a lot of cedar, access would be through private with frozen conditions only.

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason 2H: Survey needed
Also too wet and has a lot of cedar.

60	45031060-Cut	88.0	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	104	Harvest	Group Selection	Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Harvest all species except oak, hemlock, pine, yellow birch, and some cedar.

Specs:

Other Comment: Not deer yard but this stand could only be harvested in frozen conditions and would require cedar cutting to be operationally feasible, or clumps left uncut, which means lots of retention. No cut recommended.

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason 1E: Cedar or hemlock restraints
All of them... actually, its wet, and would require a lot of frozen road through cedar stands to access. Typed in OI as cedar.

87	45031087-Cut	54.1	429 - Mixed Upland Conifers	High Density Log	138	Harvest	Clearcut with Reserves	Mixed Upland Forest	Cmpt. Review Proposal
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Prescription Harvest all species except cedar, oak pine, hemlock, and yellow birch. Highly recommend cutting in snow free season due to ski trail.

Specs:

Other Comment: Deer yard, only problem with winter cutting is the ski trail. Upland type and could be cut in snow free season if an exception could be made.

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason 3D: Recreational site
Ski trail, if cut, highly recommend to cut in snow free season.

**Total Treatment
Acreage Proposed: 200.8**

S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 031
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2012
						General Comments:
1	4136 - Aspen, Mixed Conifer	Medium Density	37.4	17		Cut in 1993
2	42260 - Natural Pine, Mixed Deciduous	High Density Pole	5.2	60		Nice natural pine stand with aspen under story, age is from aspen, large oaks as well.
3	4199 - Other Mixed Upland Deciduous	High Density Pole	10.5	60		New stand type from west end of 6.
4	4115 - Y.Birch, Hemlock NH	High Density Log	16.2	100	111-140	Not much understory, mostly bare ground, has a little of everything but mostly hemlock, red maple, and yellow birch.
5	6132 - Mixed Lowland Forest with Cedar	High Density Pole	14.0	91		Lines and corners are in, corner has not been monumented, just metal post and transit lines.
6	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	13.3	91		"A river runs through it"...Hessell Creek, plus other drainages from stand 26, boulders and gullys, was part of old sale -never cut.
7	4116 - Mixed N. Hardwood - Aspen	High Density Sapling	10.4	5		Glide path for Hessell airport, like an M3 type
8	4119 - Mixed Northern Hardwoods	High Density Pole	79.8	100	111-140	Nice stand , many poles, beech does not show scale here, Understory has a little of everything but is open and bare ground in many places.
11	4139 - Aspen, Mixed Deciduous	High Density Sapling	5.3	25		Cut in 1985, just becoming pole size, some larger trees left on steep hillsides.
12	4134 - Aspen, Spruce/Fir	High Density Pole	10.9	33		Cut in 1977, just becoming pole size
13	6139 - Mixed Lowland Forest	High Density Pole	8.4	97		Corners are in
14	6124 - Lowland Spruce- Fir	Medium Density	10.2	40		40 year old cedar cut strips, took just a quick look, still in sapling stage.
15	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	18.2	97		Corner on north end needs re-witnessing, no monument, only post with K tag, south west end has a bit of lowland, may paint out of sale area.
16	6120 - Lowland Cedar	High Density Pole	20.6	127		Valley of lowland with Hessell Creek and where bridge over Hessell Creek needs replacing, cannot drive through sometimes,
17	6118 - Lowland Deciduous with Cedar	High Density Pole	14.0	124		Looks like stand 4, 19, or 35 on the imagery so its probably aspen, balm, birch, fir, spruce, and cedar.
18	6120 - Lowland Cedar	High Density Pole	43.5	127		About the same as 26,



S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 031
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2012
						General Comments:
20	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	12.6	108		OI says its birch, fir and cedar, but I suspect it has some aspen and spruce as well,
22	429 - Mixed Upland Conifers	Medium Density Log	3.3	127		Understory was cut some years ago and white pine reserved.
24	6112 - Lowland Aspen	High Density Sapling	44.5	26		Wet, wet, wet, and its on top of the hill. stand 20 is draining through this stand and down the road.
25	4134 - Aspen, Spruce/Fir	Medium Density	19.3	22		Cut in 1988, old comments say oak planted but survival unsure, deer yard and heavy browsing.
26	6120 - Lowland Cedar	High Density Pole	21.3	100		Wet, swampy, brushy type of cedar.
27	4139 - Aspen, Mixed Deciduous	High Density Pole	16.0	28		Cut in 1982, approaching pole size
28	6120 - Lowland Cedar	High Density Pole	194.2	100		Not really low and boggy or swampy but has drainages flowing into 5 and Hessel Creek, never found the source but could walk around, very thick with cedar.
29	429 - Mixed Upland Conifers	High Density Pole	11.9	96		Nice stand of mature pine for the public
30	6120 - Lowland Cedar	High Density Pole	11.7	98		Thick, thick, thick, more "swampy" than 31
31	4319 - Mixed Upland Forest	High Density Pole	80.2	96		
32	6120 - Lowland Cedar	High Density Pole	31.9	102		More wet and swampy cedar with some regen.
33	4191 - Mixed Upland Deciduous with Conifer	Low Density Sapling	20.9	7		Cut in 2003, thimble berries and raspberries abound
34	6120 - Lowland Cedar	High Density Pole	17.1	127		Hessel Creek runs through stand.
35	4115 - Y.Birch, Hemlock NH	High Density Log	85.5	100	81-110	Select cut in 2002-3, deer browsing.
36	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	18.7	107		Wet and low but there is a nice ridge of aspen and an old road up through it.
38	4319 - Mixed Upland Forest	High Density Pole	9.0	74		Mature, ready for treatment,
39	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	9.2	96		Stand has less cedar and could be managed, was part of an old sale - never cut, red lines still good.



S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 031
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2012
						General Comments:
40	4136 - Aspen, Mixed Conifer	Medium Density	36.6	22		Deer browsing, some parts still open with raspberries and thimbleberries
41	4319 - Mixed Upland Forest	High Density Pole	5.6	96		
42	4139 - Aspen, Mixed Deciduous	High Density Pole	24.2	37		deer browse, becoming pole size, full regen, not much understory, can walk though/under quite easliy, trace of cherry
43	6120 - Lowland Cedar	High Density Pole	21.1	98		wet cedar stand with running and standing water.
44	4115 - Y.Birch, Hemlock NH	High Density Log	10.0	150	81-110	Huge trees, steep on the east side, left when stand 41 was cut. large maple, yellow birch, hemlock and cedar, good old growth candidate.
45	4319 - Mixed Upland Forest	High Density Pole	6.4	100	81-110	Aspen cc around it 37 years ago, parts picked over when stand 41 was cut, other parts too steep.
46	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	13.6	74		Deer browse, old seed tree cut, regen is OK but looks "picked over"
47	6132 - Mixed Lowland Forest with Cedar	High Density Log	25.3	110		Aspen, birch, and fir cut in 2003 along east side.
48	42290 - Natural Mixed Pine	High Density Pole	28.8	106		Rocks-rocks -rocks, nice pine though
49	4134 - Aspen, Spruce/Fir	Medium Density Pole	10.8	37		Cut in 1973, deer browse, but most regen has reached past the deer and is fully stocked, becoming pole size.
50	6139 - Mixed Lowland Forest	High Density Pole	15.1	104		North tip is more or less an island, really an extension of stand 26 with what looks like a little more wetland deciduous types.
51	6120 - Lowland Cedar	High Density Pole	101.7	102		Vast stand of almost pure cedar, not really low, can walk through easily quite open, hemlock is on north boundary.
56	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	10.4	95		One of the coolest stand I ever saw, Probably what stand 39 looked like before cutting. Semi-open with mature aspen, spruce and thimbleberries with a fringe of cedar along the south. I measured a 30" aspen still alive.
57	4119 - Mixed Northern Hardwoods	Medium Density Pole	8.5	74		Steep slope to drainage to Pearson creek, looks cut from the past.
60	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	88.0	104		West part is more or less islands of aspen and other mix of species, looks like mostly cedar.
64	4119 - Mixed Northern Hardwoods	High Density Pole	72.5	100	111-140	Snowmobile trail through stand, some deer browse in places, no regen in places (bare ground)



S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 031
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2012
Data updated before 2:00 PM						
General Comments:						
65	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	5.9	102		Not too much cedar to manage.
66	6112 - Lowland Aspen	High Density Pole	13.6	23		SE area was cut in 1987
68	42380 - Non Pine Upland Conifer, Mixed Deciduous	Medium Density Pole	7.3	96		Large boulders, some aspen was cut out years ago when 65 and 75 were cut.
69	6139 - Mixed Lowland Forest	High Density Pole	38.0	138		
70	4199 - Other Mixed Upland Deciduous	High Density Pole	66.8	28		Cut in 1982, approaching pole size, Peek-A-Boo Ski Trail
71	4119 - Mixed Northern Hardwoods	High Density Pole	9.6	100	111-140	Deer browse, access through pvt but road goes into stand.
72	4319 - Mixed Upland Forest	High Density Log	45.4	138		HUGE trees, cedar and sugar maple, Peek-A-Boo Ski Trail loops through, very steep on south end, good old growth candidate.
73	42360 - Upland Cedar	High Density Pole	11.4	89		Storage barn trespass from land owner to west
75	4136 - Aspen, Mixed Conifer	High Density Sapling	52.3	24		Illegal ORV trails on old skid trails,
76	6139 - Mixed Lowland Forest	Low Density Sapling	101.6	30		Age varies as some areas were cut in the early '90's, deer exclosures were installed then but most have been destroyed, one or two still function and WD monitors them for cedar and white pine regen...which has been reasonably successful, much of this stand remains open and grassy/wet.
79	6120 - Lowland Cedar	High Density Pole	32.0	138		Borders State Rd and M-134.
80	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	47.6	138		Surrounds Mac County garage on State Rd and includes the fingers of timber left after the "Great Experiment of 1980" when Stand 77 was cut. Pretty much like stand 80
82	4199 - Other Mixed Upland Deciduous	High Density Pole	4.8	100		Small isolated hardwood stand, probably never to be cut
83	6120 - Lowland Cedar	High Density Pole	66.8	138		More cedar and less wet and swampy than 32.
85	6111 - Lowland Balsam Poplar	High Density Sapling	11.0	15		2009 aquisition
87	429 - Mixed Upland Conifers	High Density Log	54.1	138		Semi open with BIG white pine, very scenic, Peek-A-Boo ski trail / hiking trail in summer, on old logging road blocked to vehicles. North part of stand new aquisition in 2008.



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Sault Ste. Marie Mgt. Unit

5 – Forested Stands

Compartment: 031

Year of Entry: 2012



Data updated before 2:00 PM

**Level 4
Cover Type**

**Size
Density**

Acres

**Stand
Age**

**BA
Range**

**General
Comments:**

88	6120 - Lowland Cedar	High Density Pole	17.8	138		New aquisition 2009
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Stand	Cover Type	Acres	Gen Cmts:
9	6223 - Inundated Shrub Swamp	2.0	
10	6223 - Inundated Shrub Swamp	5.3	
19	6239 - Mixed Emergent Wetland	2.4	
21	6223 - Inundated Shrub Swamp	5.1	
23	6239 - Mixed Emergent Wetland	5.5	
37	6223 - Inundated Shrub Swamp	11.0	
52	6239 - Mixed Emergent Wetland	28.5	
53	50 - Water	3.1	
54	6223 - Inundated Shrub Swamp	3.3	
55	6223 - Inundated Shrub Swamp	74.1	
58	6239 - Mixed Emergent Wetland	2.4	
59	6229 - Mixed lowland shrub	17.0	
61	50 - Water	1.7	
62	6239 - Mixed Emergent Wetland	7.0	
63	310 - Herbaceous Openland	4.0	
67	6223 - Inundated Shrub Swamp	44.0	
74	50 - Water	10.2	
77	6223 - Inundated Shrub Swamp	8.1	



Stand	Cover Type	Acres	Gen Cmts:
78	50 - Water	3.2	
81	6223 - Inundated Shrub Swamp	1.5	
84	6229 - Mixed lowland shrub	2.1	
86	6229 - Mixed lowland shrub	21.6	



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
HCVA	Coastal Environmental Areas	The public designation process is defined by Part 323, Shorelands Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). This is an inactive program with no new areas currently under consideration by the DEQ.
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.
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.
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.