

**Revision Date:** July 13, 2010

Stand Examiner: Matt Edison

Legal Description: T42N R7W Sec. 3, 4, & 5, Hendricks Township T43N R7W Sec. 7, Hendricks Township

## Identified Planning Goals ('Management Area' or 'RMU', if applicable): Lake Michigan Shoreline

**Management Goals:** The compartment has been managed in the past for red pine, northern hardwoods, and aspen. This entry period, management efforts will focus on the final harvest and regeneration of approximately half of the remaining mature red pine plantations. There is also opportunity to select cut some northern hardwoods to help improve stand composition by bringing into regulation. Other activities will be the continuous monitoring of existing red pine plantations for prospective pests. All treatments will include proper visual/ aesthetic management considerations along travel areas.

**Soil and Topography:** Level to gently rolling topography with the exception of the steep escarpment ridge that runs just south of and parallel to US-2. Wallace sands dominate the entire compartment north of US-2. Histosols and Aquents, Markey-Carbondale Muck, Leafriver-Croswell complex, and Esau-Zela complex soils are present in the lower topography south of US-2.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** There are large private holdings along the Lake Michigan shoreline and US-2. There are also a few scattered small private holdings.

Unique, Natural Features: MNFI has identified potential for several protected species in this compartment.

Archeological, Historical, and Cultural Features:

**Special Management Designations or Considerations:** Pipeline ROW corridors pass through the compartment. The shoreline areas and travel along US-2 require special management considerations.

**Watershed and Fisheries Considerations:** This compartment contains upper stream reachs of Paquin Creek. Paquin Creek is a cold-water stream that supports stream-resident fish community of brook trout, pearl dace, slimy sculpin, central mudminnow, brook stickleback. Paquin Creek is also important that is supports natural reproduction of Lake Michigan potadromous fishes such as steelhead, Chinook salmon, and coho salmon. Implementation of BMP's will aid in preventing sediment input from road crossings and upland areas are critically important to protect spawning areas for trout and other stream-resident fishes. Buffering the river is also critical to ensure future inputs of woody material to the stream channel, discourage aspen regeneration close to the stream channel, and provide shading to protect water temperature from warming to a degree that will inhibit trout survival.

**Wildlife Habitat Considerations:** Compartment 142 extends from the northern shore of Lake Michigan at Epoufette north approximately 2 miles. It is divided into two main parts by a steep hill on the south side of US-2. Areas below the hill near the lake level are dominated by cedar where water is close to the surface. This area is used as deer yard during the winter. Much of the area north of the hill is sandy and managed as red pine plantations. Remaining areas contain aspen and hardwoods. Beech bark disease has caused a great deal of mortality in some areas of hardwood. Wildlife management objectives will focus on protecting lowland conifer cover in the deer yard, maintaining aspen stands, and promoting age class and structural diversity in hardwood stands. Some pockets of hardwood regeneration will occur in hardwoods where mature beech pockets currently exist. If thinning occurs, leave at least 2 live beech will be left per acre if present, and snags should be left. Yellow birch, cherry, and conifers will also be retained where present as well as some large wolfy trees. These objectives will benefit a number of wildlife including woodpeckers, broad-winged hawk, coyote, black bear, wolf, and white-tailed deer.

**Mineral Resource and Development Concerns and/or Restrictions:** Surface sediments consist of lacustrine (lake) sand and gravel. There is upwards to 100 feet of Glacial Drift thickness. The Silurian Engadine Group subcrops below the Glacial Drift. The Engadine is quarried for stone/limestone elsewhere in the UP. The nearest gravel pit is two miles to the east. There may be some gravel potential in the compartment. There is no economic oil and gas production in the UP. Portions of the land is surface only.

**Vehicle Access:** Access is very good throughout the entire compartment. US-2, Hiawatha trail, Paquin Creek Rd., and Epoufette Bay Rd. are the main roads in the compartment. Pipeline ROW's and two-tracks offer access to the compartment interior.

Survey Needs: No survey needs for proposed treatments this entry period.

**Recreational Facilities and Opportunities:** Snowmobile trail runs through the compartment along pipeline ROWs and Paquin Creek Rd. Deer, grouse, rabbit, and bear hunting are common in this compartment. Mushroom and Blueberry picking is also possible along pipeline ROWs.

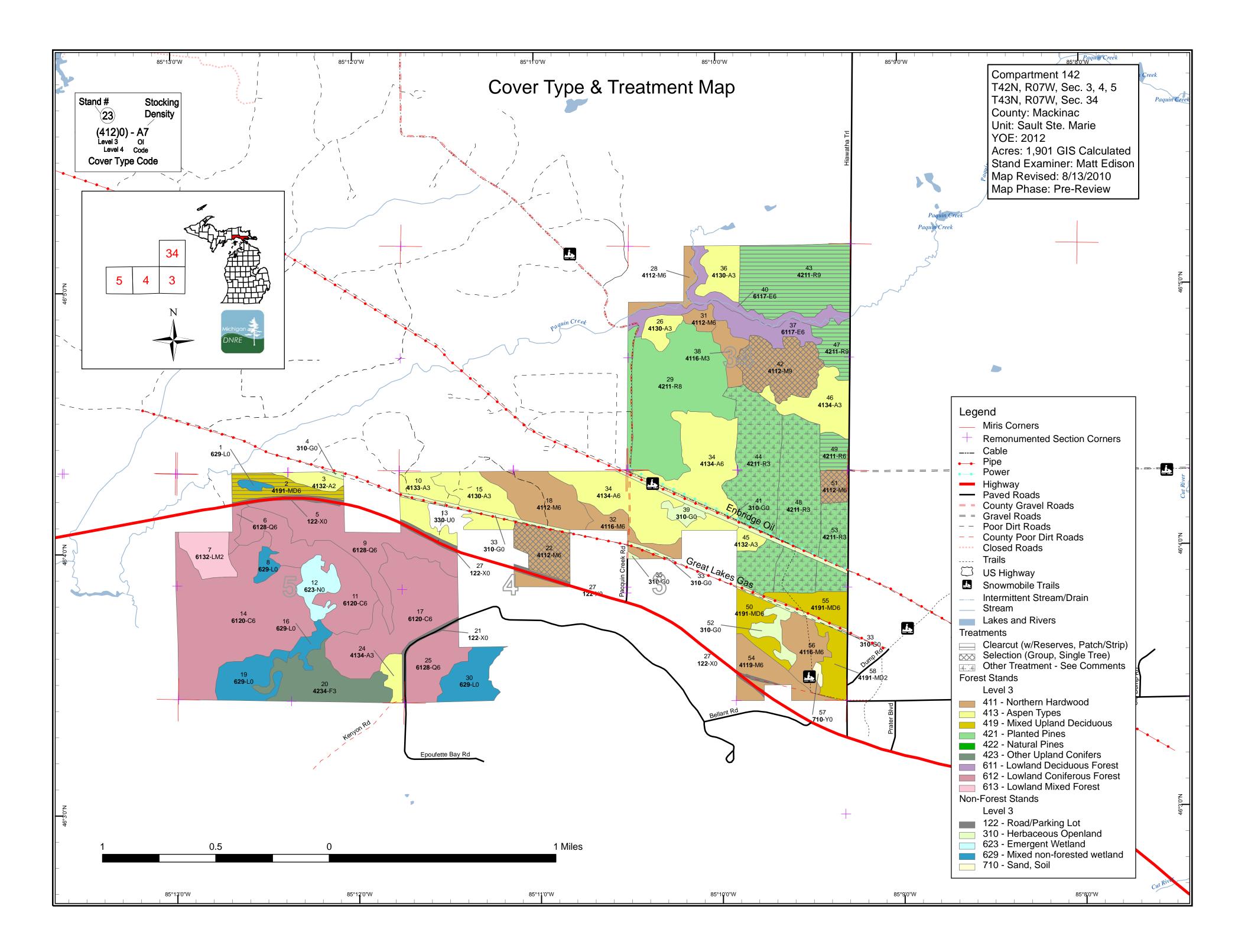
**Fire Protection:** There is potential for fire ignition in this compartment from the heavy recreational use. There are extensive areas of pine fuels in this compartment. Access in this compartment is very good, with no area being greater than .5 miles from US-2, Hiawatha Trail, or Paquin Creek Rds. Pipeline ROW's and two-tracks offer extensive access into the compartment interior and act as fire breaks. Available water sources would include: Paquin Creek and Lake Michigan.

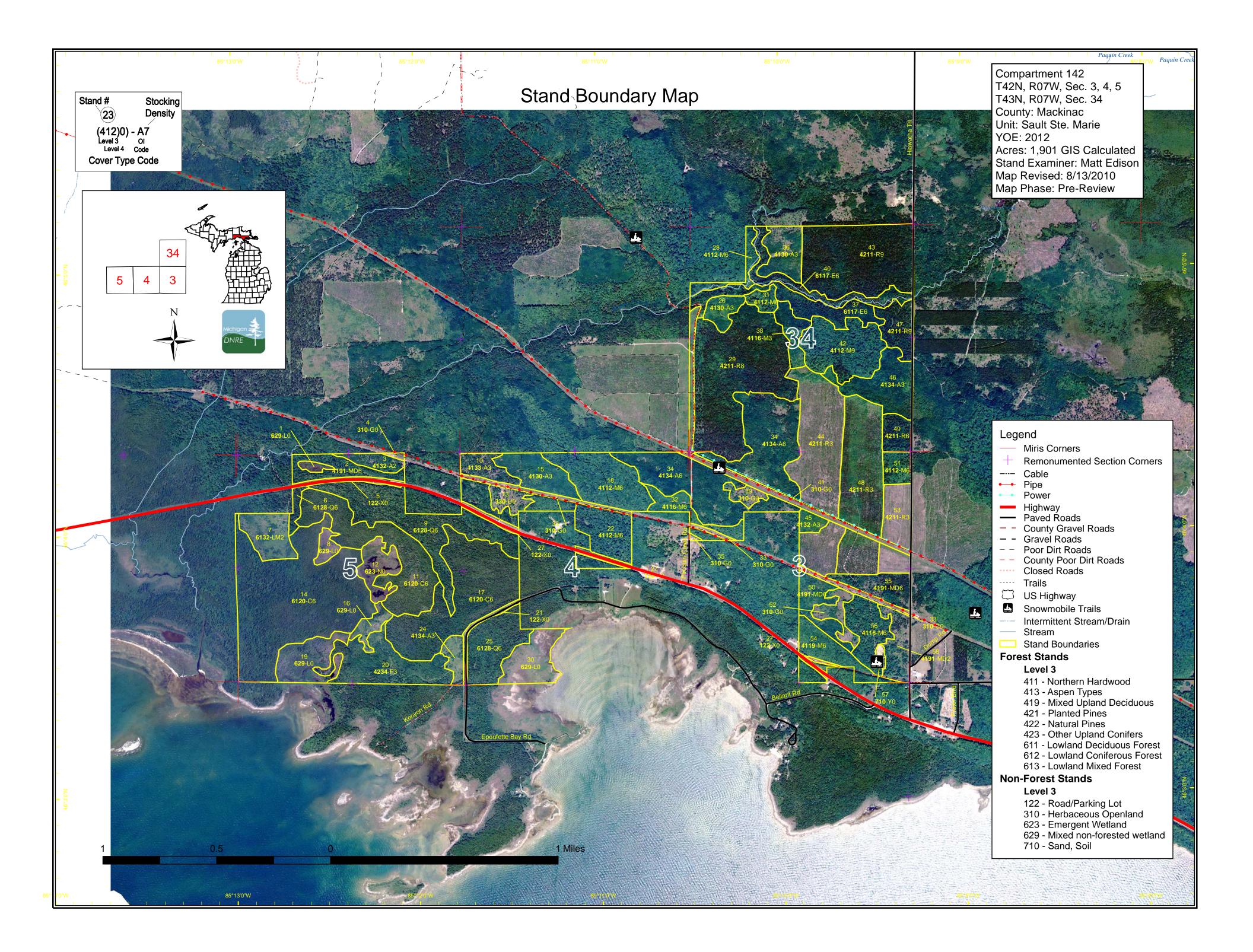
## **Additional Compartment Information:**

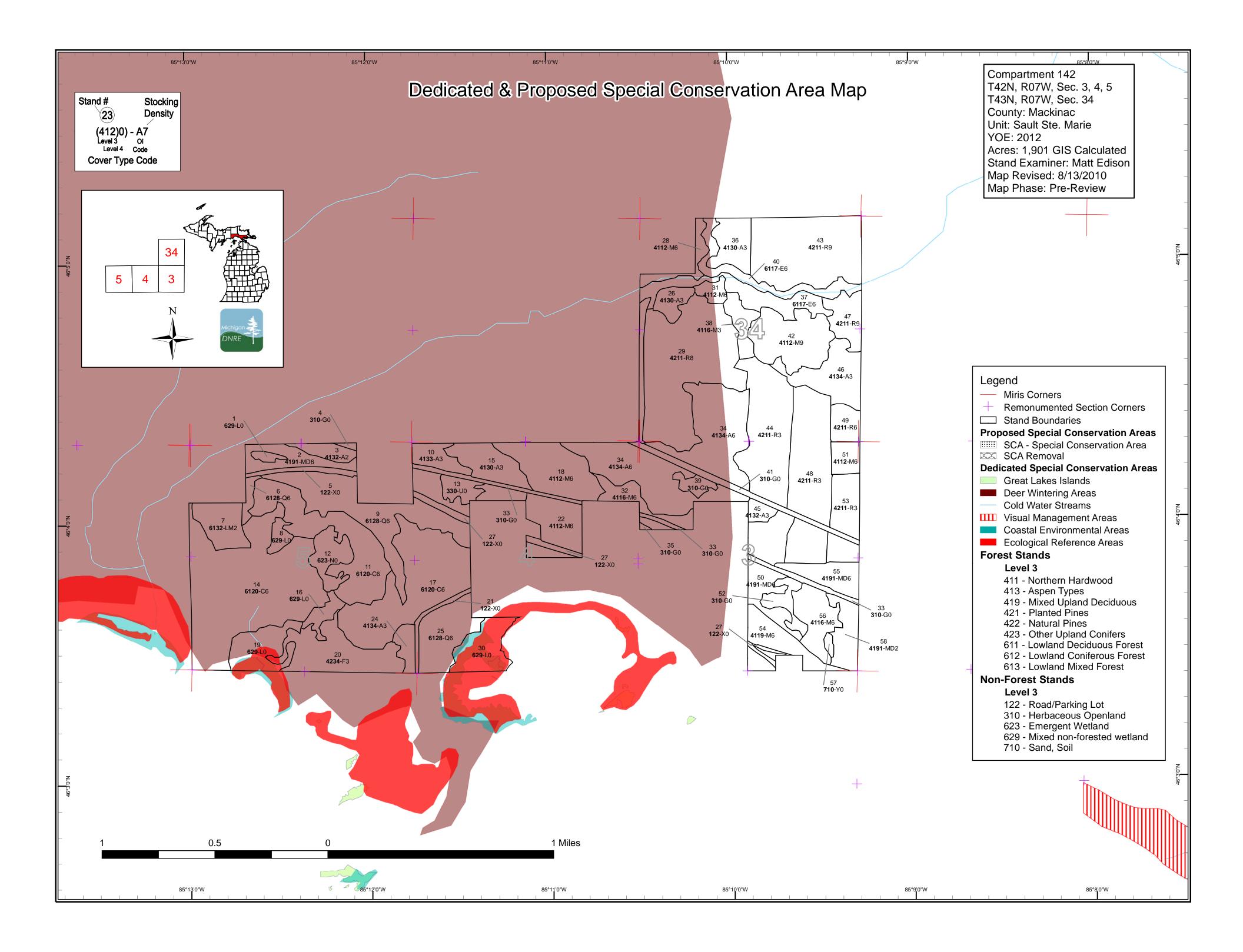
- > The following reports from the Inventory are attached:
  - Total Acres by Cover Type and Age Class
  - ♦ Proposed Treatment Summary
  - Proposed Treatments No Limiting Factors
  - Proposed Treatments With Limiting Factors
  - Stand Details (Forested and Nonforested)
  - Dedicated and Proposed Special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

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

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







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

Sault Ste. Marie Mgt. Unit

Data updated before 2:00 PM

Compartment 142 Year of Entry 2012



	Age Class																
	Nor	A Server of the	6.z	10°79	67. 1.20		02-02-02-	65.05	69.00	ST D	69.00	66:a3	00100	8LL'0L	200× 1300	ACC	, 5 <sup>20</sup>
Aspen	0	0	29	103	160	0	0	0	0	0	0	0	0	0	0	292	
Cedar	0	0	0	0	0	0	0	0	0	0	0	269	75	0	0	344	
Herbaceous Openland	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	
Low-Density Trees	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	]
Lowland Conifers	0	0	0	0	0	0	0	0	0	5	39	0	76	0	0	120	]
Lowland Deciduous	0	0	0	0	0	34	25	0	0	0	0	0	0	0	0	59	
Lowland Mixed Forest	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	25	
Lowland Shrub	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	
Marsh	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	J
Mixed Upland Deciduous	0	0	21	41	0	0	21	0	0	0	0	0	0	0	0	83	j
Northern Hardwood	0	0	0	14	0	57	0	132	51	0	0	0	0	0	0	255	J
Red Pine	0	31	192	0	0	0	0	0	257	0	0	0	0	0	0	480	J
Sand, Soil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
Upland Spruce/Fir	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	52	
Urban	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	
Total	192	31	267	211	160	92	46	132	307	5	39	269	151	0	0	1901	

# Table 2 – Proposed Treatment Summaries

Michigan DNRE		Iable 2 – Proposed Treatment Summaries         Data updated before 2:00 PM												
DNRE	Sault Ste. Marie Mgt. Unit Year of Entry 2012	Μ	Compartment Total Compartment Acres:											
		A	cres by Treatment Type											
	Commercial Harvest - 240	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 224									
	Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0										
		J.S.	Cover Type by Harvest I	4										
				No 10										
	Mixed U	pland Deciduous 21	0 0 0 0	0 21										
	Northern	n Hardwood 0 S	92 0 0 0	0 <b>92</b>										
	Red Pine	e 128	0 0 0 0	0 128										
		Total 148 9	0 0 0	0 240										

S						atments Pre imiting Fac		Compartment: 142 Year of Entry 2012		
t a n d		itment ame	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
22	45142	022-Cut	29.0	4112 - Maple, Hi Beech, Cherry Association	gh Density Pole	61	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal
Presc Specs		Thin star	nd down to	o 80-90 ba. Concentrat	e on salvaging d	eclining	beech. Leave 3	3-5 beech per acre where	ver possible.	
<u>Other</u> Comn	_ nents:									
<u>Next</u> Steps	<u>:</u>			nt with a regeneration s m fir, white spruce, blac			tructions. Acce	ptable regeneration is asp	en, maple, cherry, ceo	dar, yellow and
22	45142	022-Cut	29.0	4112 - Maple, Hi Beech, Cherry Association	gh Density Pole	61	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal
Presc Specs		Thin star	nd down to	o 80-90 ba. Concentrat	e on salvaging d	eclining	beech. Leave 3	3-5 beech per acre where	ver possible.	
<u>Other</u> Comn	nents:									
<u>Next</u> Steps	: <u>:</u>			nt with a regeneration s m fir, white spruce, blac			tructions. Acce	ptable regeneration is asp	en, maple, cherry, ceo	dar, yellow and
42	45142	042-Cut	50.6	4112 - Maple, H Beech, Cherry Association	igh Density Log	73	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal
Presc Specs								ech with bbd, salvage wha re possible (3-5 per acre		nd mark
<u>Other</u> Comn	_ nents:	Alot of be small co	eech volui htract sale	me is dead or dying. Ve e/ firewood.	ery nice quality s	tand of n	naple. Thin whe	ere possible to release ac	lvanced regeneration.	Probably a
<u>Next</u> Steps	<u>:</u>			nt with a regeneration s m fir, white spruce, blac			tructions. Acce	ptable regeneration is asp	en, maple, cherry, ceo	dar, yellow and
43	45142	043-Cut	94.2	42110 - Planted H Red Pine	igh Density Log	72	Harvest	Clearcut	Planted Red Pine	Cmpt. Review Proposal
Presc Specs				h no retention of live tre ind for release and pest		ness tree	es. Standing tre	es within the stand after h	narvest create a hazar	d for aerial
<u>Other</u> Comn	nents:	The strea	am along	the south edge of the st	and will be buffe	ered by 1	00'.			
<u>Next</u> <u>Steps</u>	<u>::</u>	Trenchin Report d	g and har ate. After	nd planting of red pine s	eedling to accept ne regeneration,	table reg	eneration level	ssary for site prep depend s will need to be complete eed to be scheduled for 1	ed within 2 years of the	Timber Cutting
47	45142	047-Cut	20.1	42110 - Planted H Red Pine	igh Density Log	72	Harvest	Clearcut	Planted Red Pine	Cmpt. Review Proposal
Presc Specs				h no retention of live tre and for release and pest	•	ness tree	es. Standing tre	es within the stand after h	narvest create a hazar	d for aerial
<u>Other</u> Comn	nents:	The strea	am along	the north edge of the st	and will be buffe	red by 10	00'.			
<u>Next</u> <u>Steps</u>	<u>::</u>	Trenchin Report d	g and har ate. After	nd planting of red pine s	eedling to accept ne regeneration,	table reg	eneration level	ssary for site prep depend s will need to be complete eed to be scheduled for 1	ed within 2 years of the	e Timber Cutting

	Sa	ult Ste.	Marie Mgt. Unit	Table 3	Tre	atments Pre	escribed	Compartment: 142	
S t	Dat	a updat	ted before 2:00 PM	/ wi	th No L	imiting Fac	ctor	Year of Entry 2012	Michigan DNRE
a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
49 4	5142049-Cut	13.2	42211 - Natural Red Pine, Mixed Deciduous	High Density Pole	72	Harvest	Clearcut	Planted Red Pine	Cmpt. Review Proposal
Prescrip Specs:			th no retention of live to and for release and pe		ness tree	es. Standing tre	ees within the stand after	harvest create a hazar	d for aerial
<u>Other</u> Comme	ents:								
<u>Vext</u> Steps:	Trenchin Report d	g and ha ate. Afte	ind planting of red pine	seedling to accep pine regeneration,	table reg	generation level	ssary for site prep depen ls will need to be complet eed to be scheduled for <sup>2</sup>	ed within 2 years of the	Timber Cutting
51 4	5142051-Cut	11.4	4112 - Maple, Beech, Cherry Association	High Density Pole	66	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal
Prescrip Specs:	otion_ Thin ove per acre			n salvaging beech	whereve	er possible. Lea	ave 1-3 beech per acre w	here possible. Leave	1-2 larg red pine
<u>Other</u> Comme	ents:								
<u>Vext</u> Steps:			ent with a regeneration am fir, white spruce, bla				ptable regeneration is as	pen, maple, cherry, ceo	dar, yellow and
44	45142044- Other	97.4	42110 - Planted Red Pine	High Density Sapling	13	Other	Unspecified	Planted Red Pine	Cmpt. Review Proposal
Prescrip Specs:	otion Monitor	or RHPS	and other pests.						
<u>Other</u> Comme		is been r	eleased and sprayed fo	or RHPS previous	у.				
<u>Vext</u> Steps:			ws that treatment is rec Continue to monitor.	commended, then	spray wł	nen/if necessary	y with appropriate insection	cide recommended by I	Forest Health
48	45142048- Other	85.8	42110 - Planted Red Pine	High Density Sapling	16	Other	Unspecified	Planted Red Pine	Cmpt. Review Proposal
Prescrip Specs:	otion Monitor	or RHPS	and/or other pests.						
<u>Other</u> Comme		n has be	en released during pre	vious entry and sp	orayed fo	r RHPS.			
<u>Vext</u> Steps:			ws that treatment is rec Continue to monitor.	commended, then	spray wł	nen/ if necessar	ry with appropriate pestic	ide as recommended b	y Forest Health
53	45142053- Other	31.1	42110 - Planted Red Pine	High Density Sapling	9	Other	Unspecified	Planted Red Pine	Cmpt. Review Proposal
Prescrip Specs:	otion Monitor 1	or RHPS	and/or other pests.						
<u>)ther</u> Comme		n has be	en released during pre	vious entry and sp	orayed fo	r RHPS.			
<u>lext</u> Steps:			ws that treatment is rec Continue to monitor.	commended, then	spray wł	nen/ if necessar	ry with appropriate pestic	ide as recommended b	y Forest Health
	otal Treatmer eage Propose		51.9						

S t		Sault Ste. Marie Mgt. Unit Data updated before 2:00 PM				ents Prescrib ng Factor	Compartment: 142 Year of Entry 2012		
a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	45142002-Cut	20.7	4191 - Mixed Upland Deciduous with Conifer	High Density Po	le 59	Harvest	Clearcut with Reserves	Aspen, Birch	Cmpt. Review Proposal
Spec Othe	<u>SS:</u>		present Hemlock and adjacent to us. and so						
<u>Next</u> <u>Step</u>			ent with a regeneratior am fir, white spruce, bl			ructions. Accept	able regeneration is as	spen, maple, cherry, ceo	dar, yellow and
	ing Factor and No tment Reason	_	E: Too steep ery Steep Adjacent to	US hwy 2.					
A	Total Treatmer creage Propose		20.7						

S t	Sault Ste. Marie	e Mgt. Unit			orested Sta	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	20.7	59	81-110	Stand is steep ridge that runs along u.s. 2. Possibly harvest north portion next entry, mor4 aspen, but small dia. currently. Part along highway will not be merchantable.
3	4132 - Aspen, Jack Pine	Medium Density	9.9	27	51-80	Variable mixedvstand of small poor quality deciduous and jp. The aspen is ok quality, but still quite small.
6	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	5.2	89	111-140	Variable stand on gradiating slope along u.s.2. Stand is mix or birch, mr, cedar, hemlock, wp and some aspen. Low ground and wet on southern end. Gradiates into purer cedar.
7	6132 - Mixed Lowland Forest with Cedar	Medium Density	24.5	14		Cut in 1996. Mack. mix of aspen, birch, bam, balsam. Cedar residual in pockets looks ok.
9	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	76.0	110		Mixed stand of variable quality cedar. Areas of w.p. overstory w/ hemlock, especially along escarpment. Obviously wetter along bottom lands along base of escarpment with numerous seeps.
10	4133 - Aspen, Mixed Pine	High Density Sapling	27.1	37		4-6" aspen mixed with a good amount of immature white pine Some cherry and red maple scattered. Poor quality stand.
11	6120 - Lowland Cedar	High Density Pole	74.8	110		Mostly old, poorer quality cedar. Deer sign, but not a lot. Ver wet ground around inside edge. Some open patches with tag Hemlock presenve along fringe.
14	6120 - Lowland Cedar	High Density Pole	167.7	105		Large cedar stand. Varies from very wet in the east/northeas to not so wet and more species to west.
15	4130 - Aspen	High Density Sapling	34.7	26		CC in 1994. Mostlt aspen with a little mixed conifer, more to south.
17	6120 - Lowland Cedar	High Density Pole	101.0	100		Nice cedar stand. Some deer sign. Not much cedar regen. present. Wet along seep coming out from escarpment. variable with some areas heavier to balsam/ spruce.
18	4112 - Maple, Beech, Cherry Association	High Density Pole	48.0	69	51-80	Stand was thinned in 2006. A lot of residual beech is dying ou and on the ground. Check for ba in 10 years. There is some very large striped maple and juneberry throughout the stand
20	42340 - Upland Spruce/Fir	High Density Sapling	52.4	28		Cut in 1982. Stand of mixed immature aspen and balsam/spruce. Check in 10 years.
22	4112 - Maple, Beech, Cherry Association	High Density Pole	34.8	61	81-110	Stand was thinned in 1995, but has a lot of beech dying, whic is lowering the current ba. Mostly is a pole stand now. Checl for thinning in 10 years.
23	42111 - Planted Red Pine, Mixed Deciduous	High Density Sapling	9.3	10		Planted rp in 2000. Heavy rm brush. Consider for spray release.

S t	Sault Ste. Mari	e Mgt. Unit			orested Sta	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	4134 - Aspen, Spruce/Fir	High Density Sapling	9.8	28		Part of cc in 1982. Mostly aspen with scattered balsam.
25	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	38.8	90	81-110	Poorer quality cedar along lake shore. Very wet ground, with mix of mr, and some birch.
26	4130 - Aspen	High Density Sapling	11.5	21		Mix of aspen and maple regen. Scattered cherry. 10-20 ft. tall.
28	4112 - Maple, Beech, Cherry Association	High Density Pole	10.3	43	81-110	Stand runs along Paquin Creek and is mostly small pole sized beech/ maple. Not much merchantability now. some black cherry.
29	42110 - Planted Red Pine	Medium Density Log	129.0	72	111-140	Red pine thinned in 2009. rm nd beech brush understory. Leave for 10 years for age class considerations. cc next entry.
31	4112 - Maple, Beech, Cherry Association	High Density Pole	7.3	68	51-80	A lot of beech is already dead. Heavy beech regen. Check in 10 years after beech decline. Some striped maple scattered throughout.
32	4116 - Mixed N. Hardwood - Aspen	High Density Pole	19.1	45	81-110	Small dia. poles ofmixed deciduous. Mr, aspen, cherry, beech of poor quality. Check in 10 years.
34	4134 - Aspen, Spruce/Fir	High Density Pole	132.5	32		CC in 1978-1983. Thick aspen poles, not yet mature. Check in 10.
36	4130 - Aspen	High Density Sapling	23.1	15		cc in 1995. mix of aspen with some birch, cherry and balsam.
37	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	34.5	44		Creek corridor of mixed deciduous and some conifer. White pine and hemlock in places. Tag alder wherever opening. Wet grass in open.
38	4116 - Mixed N. Hardwood - Aspen	High Density Sapling	14.3	26		Mixed stand of variable quality red maple, sugar maple, cherry, aspen, and balsam brush. Not much size yet, very brushy.
40	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	25.0	56		Creek corridor that is mix of everything. Ranges from rm/ birch to spruce/cedar w/ tag alder everywhere. No management potential ever.
42	4112 - Maple, Beech, Cherry Association	High Density Log	50.6	73	111-140	Nice stand of large mature maple and heavy mix of beech. Most beech has either died or is dying out due to bbd.
43	42110 - Planted Red Pine	High Density Log	94.2	72	111-140	thinned in 2006. Large diameter. Cc burn and replant this entry for age class diversity (holding stand opposite). Cut small clones of aspen to regenerate now. Leave any wp. Buffer edge along creek side for retention.

S t	Sault Ste. Marie	Mgt. Unit			orested Sta	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	42110 - Planted Red Pine	High Density Sapling	97.4	13		Planted in 1997. Thick good looking R3. Some natural jp mixed throughout.
45	4132 - Aspen, Jack Pine	High Density Sapling	6.1	15		Cc in 1995. Healthy aspen with mix of cherry and some jp.
46	4134 - Aspen, Spruce/Fir	High Density Sapling	37.6	26		cc in 1984, aspen with mix of maple and spruce and balsam.
47	42110 - Planted Red Pine	High Density Log	20.1	72	51-80	Large dia. rp. Mature stand approx. 80 ba, with rm understory. Kotar identifies as good pine site. ccand regenerate.
48	42110 - Planted Red Pine	High Density Sapling	85.8	16		Planted in 1994. Mixed with jp throughout.
49	42111 - Planted Red Pine, Mixed Deciduous	High Density Pole	13.2	72	111-140	Residual red pine w understory of mr and maple aspen. Look at for cc, decide whether to regenerate as rp or convert to asppen/ mr.
50	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	20.0	25		Previous cc,mix bag of poor quality cherry, maple, birch, and balsam, and aspen. Check in 10 years.
51	4112 - Maple, Beech, Cherry Association	High Density Pole	11.4	66	81-110	stand is mix of rm, sm, beech, with some balsam and some scattered red pine. A lot of beech is dying out.n Leave and check in 10 years after beech.
53	42110 - Planted Red Pine	High Density Sapling	31.1	9		Planted in 2001. Some jp in places.
54	4119 - Mixed Northern Hardwoods	High Density Pole	30.9	67	81-110	Stand is mostly mr, with some yb and beech. Beech is dying. Thinned in 2006.
55	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	21.2	26		Stand is young jp with cherry and rm and some aspen that has filled in sandy opening. Should be merchantable in next 10-20 years.
56	4116 - Mixed N. Hardwood - Aspen	High Density Pole	27.9	45	81-110	Mixed bagof poor quality maple, birch, aspen, cherry with some scattered wp. Very sandy soil, poor site. Not merchantable yet unless chipped. Let go 10 years and see what happens.
58	4191 - Mixed Upland Deciduous with Conifer	Medium Density	20.9	19		Previous opening that has filled in with aspen, jp, and cherry. Could be mervhantable in 20 yrs?

Sault Ste. Marie Mgt. Unit

## 6 – Nonforested Stands

Data updated before 2:00 PM

Compartment: 142 Year of Entry: 2012





#### 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 initiatlves (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

Compartment: 142 Year of Entry 2012



### 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.

Conservatio Area	on Type	Data updated before 2:00 PM Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
HCVA	Coastal Environmental Areas	The public designation process is defined by Part 323, Shorela Natural Resources and Environmental Protection Act, 1994 PA Michigan Department of Environmental Quality (DEQ). This is currently under consideration by the DEQ.	A 451. The program is administered by the
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen constocked trout populations and those of other coldwater fish speries year to year. Coldwater streams in Michigan typically provide t contributions of groundwater to their stream flows. Such stream designated as trout resources by Fisheries Order 210.	ecies (e.g., slimy sculpin) to persist from hese conditions due to substantial
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples identified as Element Occurrences (EOs) by the Michigan Natu context of their natural community classification system. Eleme (Excellent) or B (Good) and a Global (G) or State (S) element threatened (2), or rare (3) serve as an initial base of ERAs. The the State. The system is comprised of individual or association managed for restoration and maintenance of natural ecologica submit recommendations for lands as ERAs using the DNR Co	ural Features Inventory (MNFI) within the ent Occurrences with viability ranks of A (rarity) ranking of endangered (1), ey may be located upon any ownership in is of natural community types that are il processes and values. The public may
SCA	Great Lakes Islands	Great Lakes Islands provide significant habitat for numerous s animals, several of which are endemic or largely restricted to t isolation, islands provide good examples of many Great Lakes ecosystems, and thus have potential to provide insights for un- disturbance on the increasingly fragmented ecosystems of the	he Great Lakes region. Due to their -associated natural communities and derstanding the consequences of human
SCA	Habitat Area	An area that provide some specific need for the life cycle of wi and Waterfowl Production Areas, deer wintering complexes in openings and savannas. Habitat areas are distinct from critica endangered or threatened species (such as Kirtland's warbler general in nature, are not primarily associated with threatened covered by species recovery plans that are developed in coop	lowland conifer communities, grassland I habitat designated for recovery of or piping plover areas) in that they are more or endangered species, and are not