

Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment	171
Entry Year	2015
Acreage:	1,576
County	Mackinac
Management Area:	Mackinac Mix

Revision Date: 06/21/2013

Stand Examiner: Amy Douglass

Legal Description:

T43N-R9W, Sections 2, 10 & 11

Identified Planning Goals:

The goals are to maintain and enhance age class diversity and forest health. Much of the pine was planted during the CCC days. Red pine was planted primarily, with some mixed areas of red pine, white pine and jack pine. Age class diversity for red pine is starting, with a couple areas clearcut and replanted in 1998 and 2000. There are four other sites waiting to be planted to red pine, two of which are part of Phase II of the Red Pine Project. The aspen has been actively managed since the 70's. The few hardwood stands in the area have all been affected by Beech Bark Disease. No additional treatment is recommended for these stands, unless the beech understory is herbicided.

Soil and topography:

The majority of the compartment is composed of nearly level and undulating areas on outwash plains and lake plains, with some gently rolling and rolling areas to very steep areas. Associated soils within this area are Wallace sand, Paquin sand, Paquin-Spot complex, and Paquin-Finch sands. The majority of Section 2 is composed of the ridge and swale complex on outwash plains and lake plains, with Wallace-Spot complex as the major soil type. The depressions and nearly level areas on lake plains and outwash plains are dominated by Markey-Spot-Finch complex.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

State lands adjoin the compartment to the south, east and north. The Hiawatha Sportsman's Club abuts to the west. The 320 acres of private land within Section 2 is held by just 3 separate landowners. The NENE of Section 11 is the small burg of Gilchrist. Peter's Creek Ski Trail was developed in 1994. The SESE of Section 10 is a State Police radio tower site. The tower was constructed in 1999.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

Planned treatments should not be in conflict with the snowmobile trail.

Watershed and Fisheries Considerations:

This compartment contains the upper reaches of Kinny Creek. It is a small stream that supports a fish community of brook trout, steelhead, sculpins and minnows. Implementation of BMP's that 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:

This compartment lies within the Mackinac Mix Management Area. Pre-settlement vegetation generally consisted of northern hardwoods, hemlock-beech, and hemlock-white pine forests. Dry sandy areas were dominated by white pine, hemlock, red pine, and localized jack pine forests. Lowland conifer swamps featured northern white cedar, tamarack, balsam fir, and black spruce. Current vegetation composition in the lowlands appears to be similar to the pre-settlement species composition, but upland areas are now dominated by red pine and aspen.

Wildlife habitat management objectives include leaving some pine to promote age class diversity within the aspen and red pine forest community, and maintaining wetland and stream corridors by buffering these features appropriately. Examples of a few species that may be found this compartment include leopard frog, red-backed salamander, American woodcock,

red squirrel, and white-tailed deer.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Silurian Engadine and Manistique Groups subcrop below the glacial drift. The Engadine is quarried for stone/limestone elsewhere in the UP. Gravel pits are not located in the compartment and potential may be limited. There is no economic oil and gas production in the UP.

Vehicle Access:

Access is good to the majority of the compartment. Hiawatha Trail, a paved county road, crosses Section 11. Cranberry Lake Road, a sand county road, runs north off Hiawatha Trail. Other maintained DNR roads include Gilchrist Tower Road, North Beach Road and Peter's Creek Truck Trail. Several two track roads access other areas of the compartment.

Survey Needs:

A survey may be needed against the Hiawatha Sportsman's Club line along north line of Section 10. The HSC may plan on harvesting their timber along that line at the same time.

Recreational Facilities and Opportunities:

Snowmobile trail #2 runs north through the central portion of the compartment. This is the main trail from Naubinway to the Newberry/Rexton cut off. Peter's Creek Ski Trail was established in 1994. It was put in and maintained by volunteers. Funding was granted for disking and seeding the trail in 2003. The area is also used for grouse, woodcock, deer and bear hunting. Fishing opportunities may exist in parts of Kinny and Peter's Creeks. Mushroom and berry picking opportunities exist within the compartment.

Fire Protection:

While the opportunity exists for wildfires within the compartment, none have been noted in recent years. Section 2 is within the southern boundary of one of the old zone dispatch areas within the Naubinway Area. Certainly the fuel types (pine) within the compartment are conducive to wildfires and the potential exists for a fire start in the areas adjacent to these types. However, this area is close to the Naubinway Office and has good vehicle access throughout most of the compartment. Access to the adjacent Hiawatha Club is through locked gates.

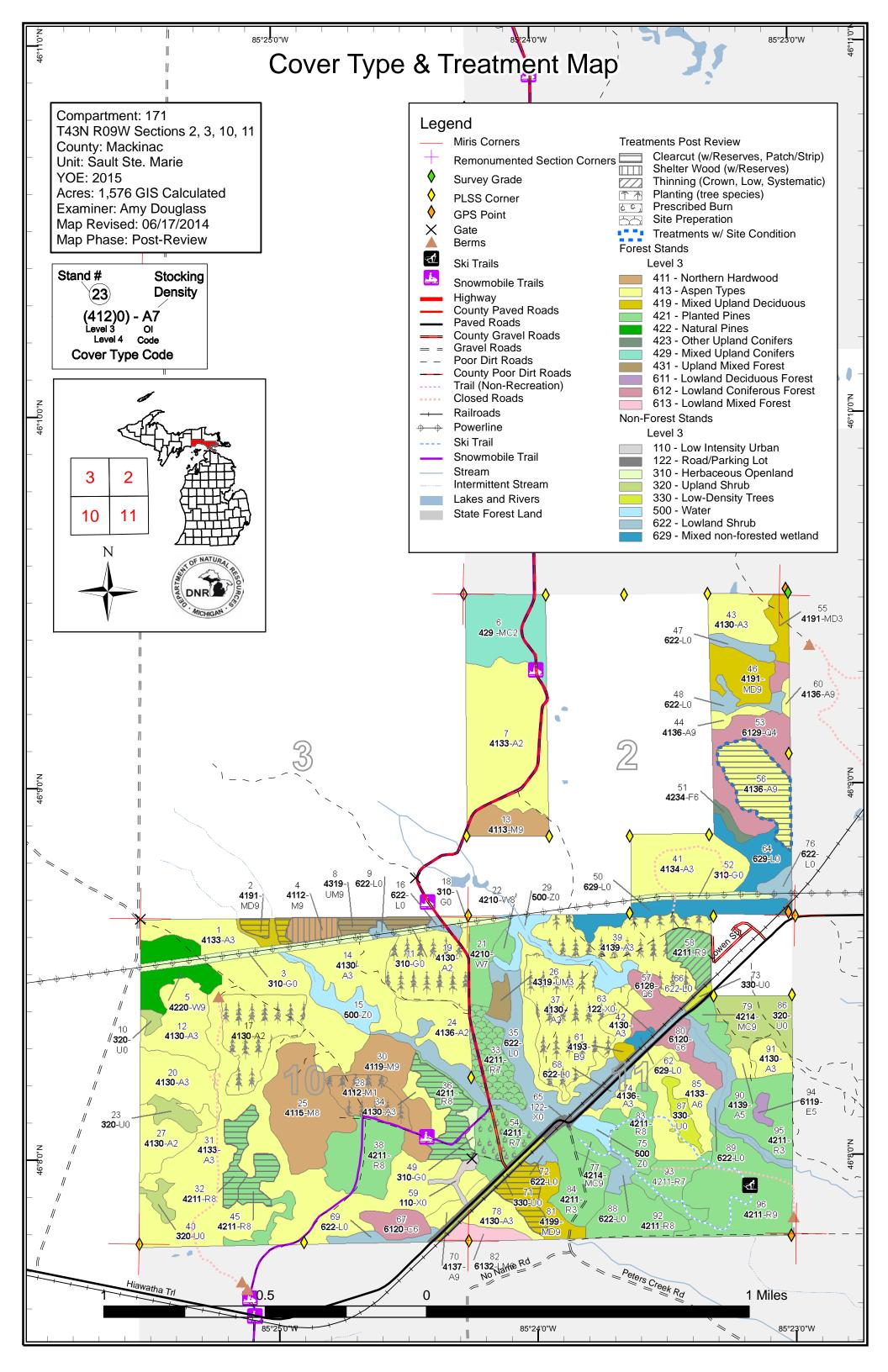
Additional Compartment Information:

Hiawatha Sportsman's Club is located to the west of the compartment. Notable differences in prior management are seen along this line. Most notable are where the CCC planted pine on state lands and the Hiawatha Club lands were not planted. An 800 megahertz State Police radio tower was erected in the SESE of Section 10 in 1999. The easement involves an 8 acre parcel of land.

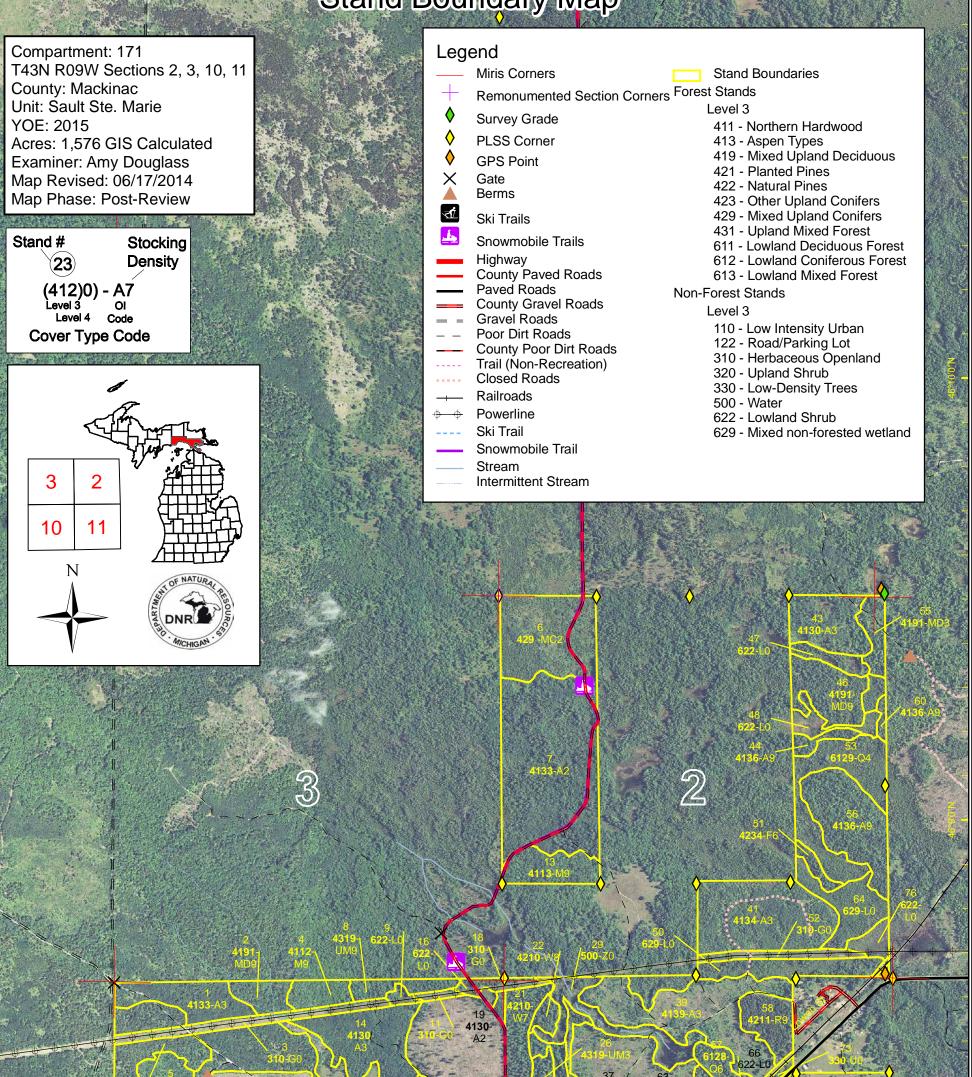
The following reports from the Inventory are attached:

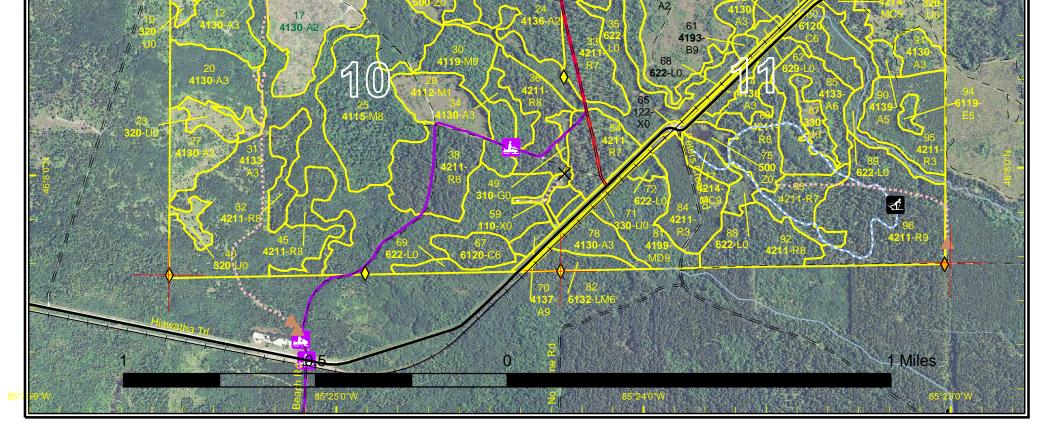
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

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



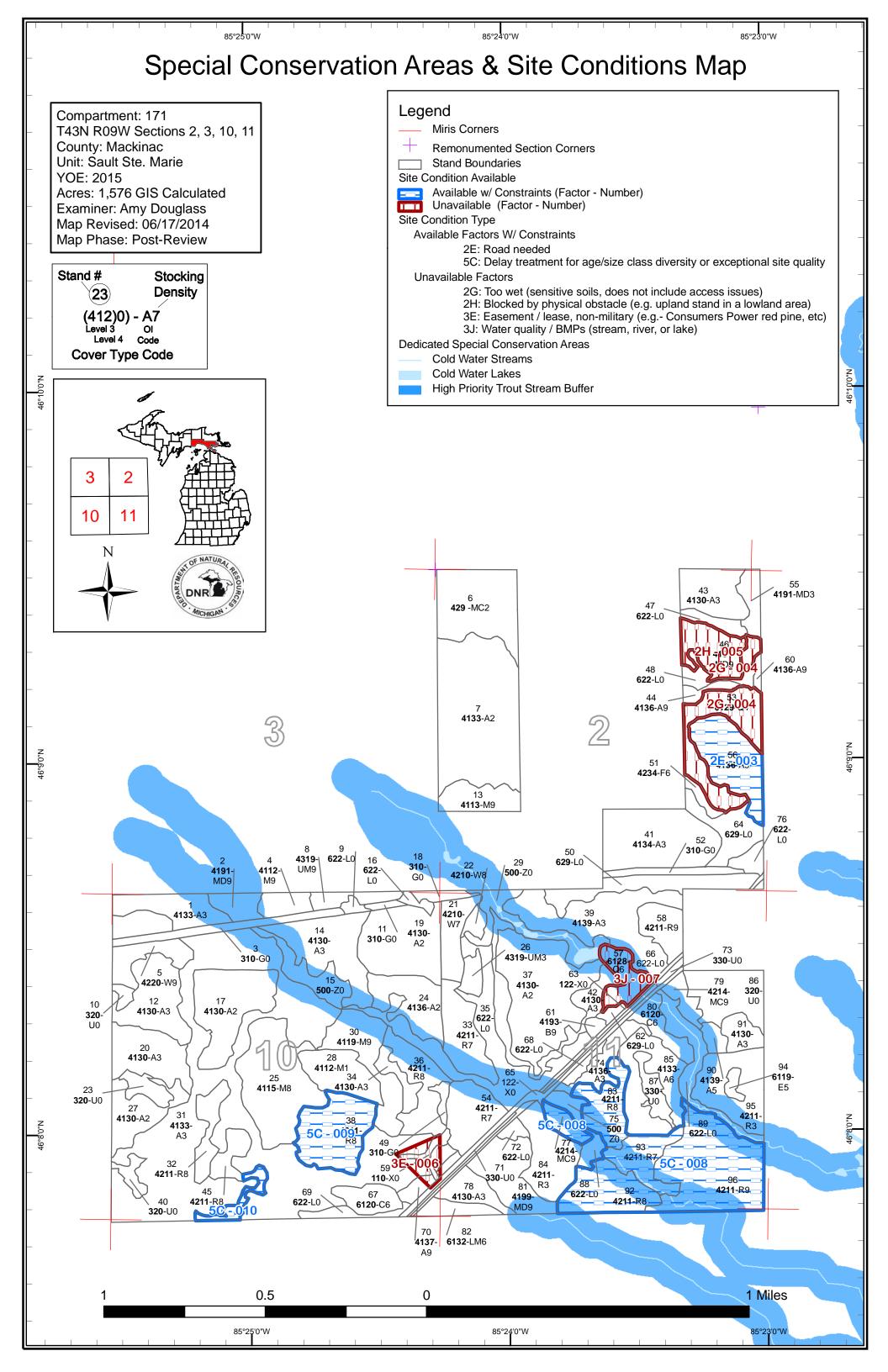
Stand Boundary Map

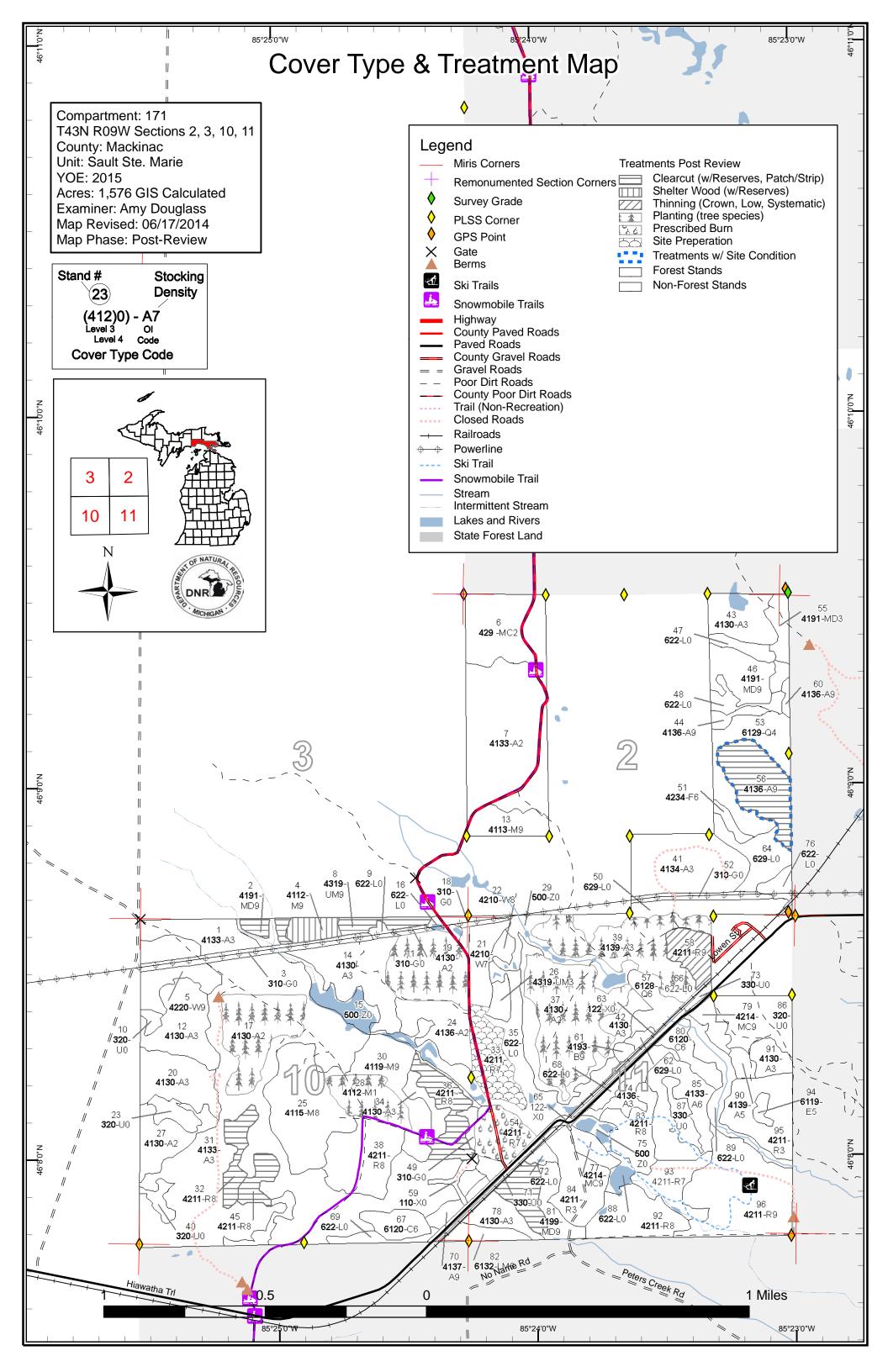




130

122-XC





Report 1 – Total Acres by Cover Type and Age Class

Sault Ste. Marie Mgt. Unit Amy Douglass : Examiner

Compartment 171 Year of Entry 2015



Age Class

		6.0	0,10	10 ¹ 2	60°	40.49	in the second se	.00 00	10'10	10 ¹⁰	9 ⁹⁹	100,100	611.01,	*00* *00*	ASS ASS	
Aspen	186	95	378	0	30	0	0	5	32	0	0	0	0	0	726	
Cedar	0	0	0	0	0	0	0	0	0	10	9	0	0	0	19	
Herbaceous Openland	24	0	0	0	0	0	0	0	0	0	0	0	0	0	24	
Low-Density Trees	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
Lowland Conifers	0	0	0	0	0	0	0	0	28	11	0	0	0	0	40	
Lowland Deciduous	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6	
Lowland Shrub	128	0	0	0	0	0	0	0	0	0	0	0	0	0	128	
Mixed Upland Deciduous	7	0	0	0	0	0	0	7	39	0	0	0	0	0	53	
Northern Hardwood	18	0	0	0	0	0	0	7	80	0	0	0	0	0	105	
Paper Birch	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	
Planted Mixed Pines	0	0	0	0	0	0	0	12	0	0	0	0	0	0	12	
Red Pine	0	47	0	0	0	0	0	229	0	0	0	0	0	0	276	
Upland Conifers	0	35	0	0	0	0	0	0	0	0	0	0	0	0	35	
Upland Mixed Forest	0	0	5	0	0	0	0	7	0	0	0	0	0	0	11	
Upland Shrub	34	0	0	0	0	0	0	0	0	0	0	0	0	0	34	
Upland Spruce/Fir	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	
Urban	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20	
Water	33	0	0	0	0	0	0	0	0	0	0	0	0	0	33	
White Pine	0	0	0	0	0	0	0	16	20	0	0	0	0	0	35	
Total	460	178	383	0	30	0	0	284	205	21	16	0	0	0	1576	



MICHIGAN	Sault Ste. Marie Mgt. Unit Year of Entry 2015										Compartment Total Compartment Acres:	
				Acres	s by T	reatm	ent Ty	vpe				
	Commercial Harvest - 105	Tree Planting - 214		0	ther -	47						
	Habitat Cut - 0	Opening Maintenar	nce - 0									
				Cov	er Tyj	pe by l	Harve	st Meth	nod			
			0	and the second	to do	60 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	otornood	Lining Os	To Coline	P. P		
	Aspen Types		27	0	0	0	0	0	27			
	Mixed Upland Deciduo	ous	17	0	0	0	0	0	17			
	Northern Hardwood		0	0	0	7	0	0	7			
	Planted Pines		36	0	0	0	12	0	47			
	Upland Mixed Forest		7	0	0	0	0	0	7			
		Total	86	0	0	7	12	0	105			

S t	Si	Sault Ste. Marie Mgt. Unit					ients Prescri ting Factor	ibed	Compartment: 171 Year of Entry 2015	OF NATURAL	
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status	
2	45171002-Cut	4.6	4191 - Mixed Upland Deciduous with Conifer	High Density Log	77		Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Fld. Tr. Bdy. Incomplete	
Preso Spec		pecies exc	ept white pine and he	emlock. Buffe	r draina	ges. Reten	tion will be in dra	inage buffers.			
Othe Com	r_ May hav ments:	ve to access	s part of stand from I	HSC. They m	ay want	to cut their	land using this a	access.			
lext Steps		survey per V	Nork Instructions. Ac	ceptable reg	en inclue	des aspen,	birch, red maple	with white pine, sp	pruce, hemlock and bal	sam.	
	<u>sed</u> <u>Date:</u> 10/01/20	14									
4	45171004-Cut	7.2	4112 - Maple, Beech, Cherry Association	High Density Log	77	81-110	Harvest	Shelter Wood with Reserves	4112 - Maple, Beech, Cherry Association	Fld. Tr. Bdy. Incomplete	
reso pec		approx. 50	BA, trying to promote	e cherry wher	e possil	ole.					
<u>the</u> om	<u>r</u> HSC ma ments:	ay want to a	access their land to th	ne north from	this acc	ess.					
lext Steps	Regen s	urvey per V	Nork Instructions. Ac	ceptable reg	eneratio	n includes	red maple, black	cherry, sugar map	le, with some balsam.		
	o <u>sed</u> Date: 10/01/20	14									
art I		14 6.7	4319 - Mixed Upland Forest	High Density Log	77		Harvest	Clearcut with Reserves	413 - Aspen		
8 8 Prese	Date: 10/01/20 45171008-Cut cription Cut all s	6.7		Density Log	9	be along l			413 - Aspen		
8 Preso pec	<u>Date:</u> 10/01/20 45171008-Cut <u>cription</u> Cut all s <u>cs:</u>	6.7 pecies exco	Upland Forest	Density Log emlock. Reter) ntion will	-			413 - Aspen		
8 Prese Spec Othe Com	Date: 10/01/20 45171008-Cut cription Cut all s s: HSC ma ments: Regen s	6.7 pecies exce ay want to a	Upland Forest ept white pine and he access their land for h	Density Loç emlock. Reter narvest using) ntion will this acc	ess.	ower areas.	Reserves	413 - Aspen m, white pine and heml	Incomplete	
8 Preso Spec Othe Com Next Steps ropo	Date: 10/01/20 45171008-Cut cription Cut all s s: HSC ma ments: Regen s	6.7 pecies exce ay want to a survey per V	Upland Forest ept white pine and he access their land for h	Density Loç emlock. Reter narvest using) ntion will this acc	ess.	ower areas.	Reserves		Fld. Tr. Bdy. Incomplete	
8 Preso Spec Othe Com Next Steps ropo	Date: 10/01/20 45171008-Cut cription Cut all s cs: r HSC ma ments: Regen s s: used	6.7 pecies exce ay want to a survey per V	Upland Forest ept white pine and he access their land for h	Density Loç emlock. Reter narvest using	this acc eneratio	ess.	ower areas.	Reserves		Incomplete	
8 Press Spec Dthe Commission Comm	Date: 10/01/20 45171008-Cut cription Cut all s s: HSC ma ments: Regen s sed Date: 10/01/20 45171032-Cut cription Clearcut	6.7 pecies exco ay want to a survey per V 14 10.1	Upland Forest ept white pine and he access their land for h Work Instructions. Ac 42110 - Planted	Density Log emlock. Reter narvest using cceptable rege Medium Density Log	this acc eneratio	ess. n includes a 81-110	ower areas. aspen, red maple Harvest	Reserves e, birch, with balsa Clearcut	m, white pine and heml 4211 - Planted Red Pine	Incomplete ock. Fld. Tr. Bdy.	
8 Press pec Dthe Com lext teps opo art I 32 Press pec Dthe	Date: 10/01/20 45171008-Cut cription Cut all s ss: r HSC ma ments: Regen s sed Date: 10/01/20 45171032-Cut cription Clearcut ss:	6.7 pecies exco ay want to a survey per V 14 10.1	Upland Forest ept white pine and he access their land for h Work Instructions. Ac 42110 - Planted Red Pine tion for replanting to	Density Log emlock. Reter narvest using cceptable rege Medium Density Log	this acc eneratio	ess. n includes a 81-110	ower areas. aspen, red maple Harvest	Reserves e, birch, with balsa Clearcut	m, white pine and heml 4211 - Planted Red Pine	Incomplete ock. Fld. Tr. Bdy.	
8 Press pec Dthe Commission Dthe Commission Second Press Spec Dthe Commission Second Seco	Date: 10/01/20 45171008-Cut cription Cut all s s: HSC ma ments: HSC ma Regen s sed Date: 10/01/20 45171032-Cut cription Clearcut s: Block up ments: Burn, tree	6.7 pecies exco ay want to a survey per V 14 10.1 t in prepara p with stanc	Upland Forest ept white pine and he access their land for h Work Instructions. Ac 42110 - Planted Red Pine tion for replanting to	Density Log emlock. Reter narvest using cceptable rego Medium Density Log red pine. No	this acc eneratio 79 retention	ess. n includes a 81-110 n due to siz	ower areas. aspen, red maple Harvest	Reserves e, birch, with balsa Clearcut	m, white pine and heml 4211 - Planted Red Pine	Incomplete ock. Fld. Tr. Bdy.	
8 Press Spec Othe Comi lext Steps art I 32 Press Spec Dthe Spec Dthe Spec Spec Spec Spec Spec Spec Spec Spe	Date: 10/01/20 45171008-Cut cription Cut all s s: HSC ma ments: HSC ma Regen s sed Date: 10/01/20 45171032-Cut cription Clearcut s: Block up ments: Burn, tree	6.7 pecies exce ay want to a survey per V 14 10.1 t in prepara o with stanc ench and re	Upland Forest ept white pine and he access their land for h Nork Instructions. Ac 42110 - Planted Red Pine tion for replanting to 145.	Density Log emlock. Reter narvest using cceptable rego Medium Density Log red pine. No	this acc eneratio 79 retention	ess. n includes a 81-110 n due to siz	ower areas. aspen, red maple Harvest	Reserves e, birch, with balsa Clearcut	m, white pine and heml 4211 - Planted Red Pine	Incomplete ock. Fld. Tr. Bdy.	

Specs:	
<u>Other</u> Comments:	See locked OFS comments.
<u>Next</u> Steps:	Burn, trench and replant to red pine. Herbicide as necessary.
<u>Proposed</u> <u>Start Date:</u>	10/01/2014

Report 3 -- Treatments Prescribed with No Limiting Factor

Compartment: 171 Year of Entry 2015 OF NATURA

S t	3	aun Ste. Ma		Керс		No Limi	Year of Entry 2015	DNR MICHIGAN		
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
45	45171045-Cut	7.5	42110 - Planted Red Pine	Medium Density Log	79 9	81-110	Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Fld. Tr. Bdy Incomplete
Presc Spec:		t in prepara	tion for replanting to	red pine. Ret	ention w	/ill be left a	is the long, skinn	y fingers.		
<u>Other</u> Comr	Block u nents:	p with stand	l 32.							
<u>Next</u> Steps		ench and re	plant to red pine. He	rbicide as ne	cessary.					
Propos Start D		14								
58	45171058-Cut	11.5	42110 - Planted Red Pine	High Density Log	79 9	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Fld. Tr. Bdy Incomplete
Presc Spec:	<u>ription</u> Thin to <u>s:</u>	approx. 110	BA.							
<u>Other</u> Comr	<u>nents:</u>									
<u>Next</u> Steps	<u>::</u>									
Propos Start E		014								
81	45171081-Cut	12.1	4199 - Other Mixed Upland Deciduous	High Density Log	81 9		Harvest	Clearcut with Reserves	413 - Aspen	Fld. Tr. Bdy Incomplete
Preso Spece		stern half, re	etaining eastern half a	as retention a	and buffe	er for creek	headwaters. Lea	ave red pine and wl	nite pine and hemlock	(where present).
Other	_									
<u>Comr</u> <u>Next</u> Steps		survey per V	Vork Instructions. Ac	cceptable reg	eneratio	n includes	aspen, red maple	e, birch with balsan	n, red pine and white pi	ne.
Propos Start D	sed_	14								
33	45171033- Prep	19.6	42110 - Planted Red Pine	Low Density Log	79	1-50	Site Prep	Scarification	4221 - Natural Red Pine	Fld. Tr. Bdy Incomplete
Presc Spec:		for herbicid	le and scarify for nat	ural red and v	white pin	e regenera	ation. FTP C44-5	51.		
<u>Other</u> Comr	Cut in 2 <u>nents:</u>	008.								
<u>Next</u> Steps		for regener	ation success and re	elease needs.						
Propos Start D		13								
17	45171017- Plant	32.6	4130 - Aspen	Medium Density Sapling	3		Tree Planting	Hand Plant	4211 - Planted Red Pine	Fld. Tr. Bdy Incomplete
Presc Spec:		to be trencl	hed, herbicided and	planted unde	r FTP C⁄	44-584, fro	m RPP.			
<u>Other</u> Comr	Most of <u>nents:</u> burned.		as a spruce plantation	n that was ch	ipped in	2011. A lit	ttle portion at the	south end was forr	nerly red pine. The are	a was not
<u>Next</u> Steps	<u>::</u>	for regener	ation success and re	elease needs.						
Propos Start D		13								

Start Date: 06/01/2013

Report 3 -- Treatments Prescribed

S t	S	ault Ste. Ma	rie Mgt. Unit	Repo			nents Prescrib ting Factor	bed	Compartment: 171 Year of Entry 2015	AND DURE STORES	
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status	
19	45171019- Plant	33.2	4130 - Aspen	Medium Density Sapling	3		Tree Planting	Hand Plant	4133 - Aspen, Mixed Pine	Fld. Tr. Bdy Incomplete	
Presc Specs		ant red pine	in areas not coming	back to asp	en.						
<u>Other</u> Comm		as cut in 201	1. Standing WP and	RP left.							
<u>Next</u> <u>Steps</u>		for regen su	ccess.								
<u>Propos</u> <u>Start D</u>		13									
28	45171028- Plant	17.7	4112 - Maple, Beech, Cherry Association	Low Density Sapling	3		Tree Planting	Hand Plant	4211 - Planted Red Pine	Fld. Tr. Bdy Incomplete	
Presc Specs		to be trench	ed, herbicided and p	lanted unde	r FTP C4	14-584, fro	m RPP.				
<u>Other</u> Comm		a was chipp	ed in 2011 and not b	ourned.							
<u>Next</u> <u>Steps</u>	Monitor	for regenera	tion success and rel	ease needs							
Propos Start D	ed	13									
37	45171037- Plant	53.2	4130 - Aspen	Medium Density Sapling	4		Tree Planting	Hand Plant	4211 - Planted Red Pine	Fld. Tr. Bdy Incomplete	
Presc Specs		to be trench	ed, herbicided and p	lanted unde	r FTP C4	14-550.					
<u>Other</u> Comm		010.									
<u>Next</u> Steps		for regenera	tion success and rel	ease needs							
Propos Start D		13									
39	45171039- Plant	41.6	4139 - Aspen, Mixed Deciduous	High Density Sapling	4		Tree Planting	Hand Plant	4211 - Planted Red Pine	Fld. Tr. Bdy Incomplete	
Presc Specs		to be trench	ed, herbicided and p	lanted unde	r FTP C4	14-550.					
<u>Other</u> Comm		010.									
<u>Next</u> Steps	Monitor	for regenera	tion success and rel	ease needs							
Propos Start D	ed	13									

Sault Ste. Marie Mgt. Unit S t				Repo			ments Prescrib iting Factor	ed	Compartment: 171 Year of Entry 2015	AND INATURAL PRODUCTION	
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status	
54	45171054- Burn	14.8	42110 - Planted Red Pine	Low Density Log	79	51-80	Prescribed Burn	Unspecified	4211 - Planted Red Pine	Fld. Tr. Bdy Incomplete	
Prescr Specs		e with under	burn as per FTP C4	44-460.							
<u>Other</u> Comm		ccess to try d	ifferent methods of	red pine/white	pine na	atural reg	eneration. See lock	ed OFS comme	nts.		
<u>Next</u> <u>Steps:</u>		ırn: continue	with scarification, h	erbicide and/o	r under	planting	as per FTP C44-460) and C44-512.			
<u>Propos</u> <u>Start D</u>)14									
21	45171021- Spray	12.4	42100 - Planted White Pine	Low Density Log	79	1-50	Pesticide	Skidder	42140 - Planted Mixed Pine	Fld. Tr. Bdy Incomplete	
Prescr Specs		to for herbic	ide as site prep for	underplanting	under F	-TP C44-	552.				
<u>Other</u> Comm	Cut in 2 ients:	008.									
<u>Next</u> Steps:		lant to RP ar	nd monitor for regen	success and	release	needs.					
<u>Propos</u> Start Da)13									
	Total Treatme reage Propose		0								

S t	S	ault Ste. Ma	arie Mgt. Unit	Report 4		eatmen Site Cor	Compartment: 171 Year of Entry 2015	DIR DIR COLOURS		
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
56	45171056-Cut	27.1	4136 - Aspen, Mixed Conifer	High Density Log	81 g		Harvest	Clearcut with Reserves	413 - Aspen	Fld. Tr. Bdy Incomplete
Spec Other	<u>r</u> Was pu		•	-	,				ailroad crossing would	be needed, or
<u>Next</u> Steps	0	survey per V	Vork Instructions. Ac	ceptable reg	eneratio	n includes	aspen, red mapl	e, birch, balsam, s	pruce, with some white	pine.
<u>Propo</u> Start	<u>osed</u> <u>Date:</u> 10/01/2	014								
<u>Limiti</u>	ing Factor	2E:	Road needed							
A	Total Treatme creage Propose	-	.1							

Report 5 – Site Conditions

Amy Douglass : Examiner

Compartment 171 Year of Entry 2015

Availability for Management

Total	Acres	Acres		Domina	nt Site	e Con	dition	S	
Acres	Available	Not Available		No	5C	3J	3E	2H	2G
726	693	33	Aspen	693			6	27	
19	19		Cedar	19					
40		40	Lowland Conifers			11			28
2	2		Lowland Deciduous	2					
6	6		Lowland Mixed Forest	6					
53	37	17	Mixed Upland Deciduous	37				17	
105	105		Northern Hardwood	105					
2	2		Paper Birch	2					
12	12		Planted Mixed Pines	6	6				
276	276		Red Pine	134	142				
35	35		Upland Conifers	35					
11	11		Upland Mixed Forest	11					
3	3		Upland Spruce/Fir	3					
35	35		White Pine	35					
1,326	1,237	89	Total Forested Acres	1,089	148	11	6	44	28
	93%	7%	Relative Percent						

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
003	Available	2E: Road needed	27				
ι	Comments: Jpland site set up w prohibitive. Stand co	rith adjacent C-164 as optiona ontinues into C-164.	al unit bu	t not cut. Access would en	tail crossing very low, wet	ground or require a RR cro	ossing which is cost
004	Not Available	2G: Too wet (sensitive soils, does not include access issues)	28	5D: Unproductive Forest Land			
(Comments:						

		Marie Mgt. Unit ıglass : Examiner		Report 5 – Site Co	nditions	Compartment 171 Year of Entry 2015
005	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	17			
C	omments:					
006	Not Available	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	8			
	omments: tate Police Tower	site				
007	Not Available	3J: Water quality / BMPs (stream, river, or lake)	11	2G: Too wet (sensitive soils, does not include access issues)		
C	omments:					
008	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	114	No Limiting Factor		
P		rail. Management has occurred to be limited here when the ski			ng taking place in the non	-winter months when the ski trail was in use.
009	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29			
	omments: 'ill clearcut and re	plant to red pine at next entry (after the	e adjacent stand 28 has be	en successfully re-establi	shed).

		e. Marie Mgt. Unit ouglass : Examiner		Report 5 – Site Conditions	Compartment 171 Year of Entry 2015		
010	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5				
Comments:							



Report 6 – 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.

SCA Name SCA Category Detail Type Recommendation Acres

Comments

Compartment: 171 Year of Entry 2015



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservatio Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area		
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical sites of cultural and historical significance that may occur upon to bottomlands. They include thousands of Native American settler and British outposts, nineteenth century logging camps, mines the Great Lakes, there are shipwrecks and other remains docun be identified by Natural heritage data from the State Historic Pre- this compartment will be implemented in such a manner as to m the sensitive nature of this information, no further detail about lo	terrestrial areas and Great Lakes ments and burial sites, as well as French and homesteads. Beneath the waters of menting the maritime trade. Such sites may eservation Office. Proposed treatments in maintain the integrity of these sites. Due to		
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions stocked trout populations and those of other coldwater fish spect conditions for coldwater fishes may occur in Michigan lakes if th groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	ties to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by		
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish spec year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ties (e.g., slimy sculpin) to persist from ese conditions due to substantial		
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effect as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian ects on water quality and quantity, as well		

S t	Sault Ste. Marie		Report 8	– Forested	Stands Compartment: 171 Year of Entry: 2015	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4133 - Aspen, Mixed Pine	High Density Sapling	16.4	23		Scattered white pine left.
2	4191 - Mixed Upland Deciduous with Conifer	High Density Log	7.2	77		
4	4112 - Maple, Beech, Cherry Association	High Density Log	7.2	77	81-110	
5	42200 - Natural White Pine	High Density Log	19.8	81	81-110	White pine is limby and weeviled. Variable dbh (6"-18") white pine.
6	429 - Mixed Upland Conifers	Medium Density	35.3	14		Cut in 1999 and planted 4/29/2000 (FTP C44-511). Some low inclusions and aspen clumps.
7	4133 - Aspen, Mixed Pine	Medium Density	72.4	27		RP left standing. Pockets of wet ground - too complex to type out.
8	4319 - Mixed Upland Forest	High Density Log	6.7	77		Transition ground.
12	4130 - Aspen	High Density Sapling	25.4	7		Scattered white pine, red pine and beech left. Most large beech has succumbed to BBD.
13	4113 - R.Maple, Conifer	High Density Log	12.9	81	81-110	Red maple with rot and forks. Lots of balsam understory, but some areas a bit nicer without much understory. Some RP on north and east ends.
14	4130 - Aspen	High Density Sapling	30.0	26		A few small openings within stand.
17	4130 - Aspen	Medium Density	32.6	3		Red Pine Project site. Mostly a former spruce plantation to convert to RP.
19	4130 - Aspen	Medium Density	33.2	3		Former spruce plantation with aspen. Notes from sale set-up say if aspen regeneration fails we can rethink planting to RP. Site was chipped with some tops to remain. WP multi-stemmed and limby. A couple RP log trees left. Aspen 4'-8' tall.
20	4130 - Aspen	High Density Sapling	22.4	16		Beech was left at time of cut, mostly along north line. Most has succumbed to BBD - large woody debris now. Grouse dusting spots in old road.
21	42100 - Planted White Pine	Low Density Log	12.4	79	1-50	
22	42100 - Planted White Pine	Medium Density Log	3.2	79	51-80	Mostly upland with wet spots and drainages. WP is limby.
24	4136 - Aspen, Mixed Conifer	Medium Density	20.1	25		Includes some semi-open areas.

S t	Sault Ste. Mari		Report 8	– Forested	Stands Compartment: 171 Year of Entry: 2015	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
25	4115 - Y.Birch, Hemlock NH	Medium Density Log	43.4	81	51-80	Site of the old Gilchrist Fire Tower. RM with dying tops. Beech pretty well gone from BBD - some still hanging on, others fallen over.
26	4319 - Mixed Upland Forest	High Density Sapling	4.7	25		Upland/lowland with drainages.
27	4130 - Aspen	Medium Density	17.0	16		Some scattered semi-open areas.
28	4112 - Maple, Beech, Cherry Association	Low Density Sapling	17.7	3		Part of the Red Pine Project. Residual saplings from cut are mainly HM and Beech.
30	4119 - Mixed Northern Hardwoods	High Density Log	23.5	81	51-80	Some RM with dying tops. Beech pretty well gone from BBD - some hanging on a little, some fallen over already.
31	4133 - Aspen, Mixed Pine	High Density Sapling	183.7	27		Some residual red pine in areas. Cut in several different sales from 1984 to 1987. On edge between sap and pole.
32	42110 - Planted Red Pine	Medium Density Log	10.1	79	81-110	
33	42110 - Planted Red Pine	Low Density Log	19.6	79	1-50	Thinned in 1989; shelterwood cut in 2010. Some blowdown after harvest.
34	4130 - Aspen	High Density Sapling	6.1	27		Narrow strip clearcut between M6 and RP plantation.
36	42110 - Planted Red Pine	Medium Density Log	19.7	79	111-140	Much tall maple regen than adjacent underburned area.
37	4130 - Aspen	Medium Density	53.2	4		Regeneration around 6'-10' tall.
38	42110 - Planted Red Pine	Medium Density Log	29.0	79	111-140	Understory is variable density. Some small areas of HM regen - seen on photo.
39	4139 - Aspen, Mixed Deciduous	High Density Sapling	41.6	4		Regeneration around 8'-12' tall. Some areas only 50 - 75% cover.
41	4134 - Aspen, Spruce/Fir	High Density Sapling	39.2	20		Some wet areas. Small approx. 2 acre cedar inclusion in northwest corner. Several semi-open areas.
42	4130 - Aspen	High Density Sapling	20.6	14		
43	4130 - Aspen	High Density Sapling	17.8	17		WP left standing. Low pocket within stand.
44	4136 - Aspen, Mixed Conifer	High Density Log	3.6	81		Small upland ridge within low, wet swamp.

S t	Sault Ste. Marie		Report 8	– Forested	Stands Compartment: 171 Year of Entry: 2015	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	42110 - Planted Red Pine	Medium Density Log	12.9	79	81-110	Almost pole sized balsam - some 1 stick. Thick understory.
46	4191 - Mixed Upland Deciduous with Conifer	High Density Log	16.8	81		Mix of upland and lowland, surrounded by low, wet swamp.
51	42340 - Upland Spruce/Fir	High Density Pole	3.0	81		Narrow ridge in middle of swamp.
53	6129 - Mixed Coniferous Lowland Forest	Low Density Pole	28.3	81		Non-productive swamp with tag alder.
54	42110 - Planted Red Pine	Low Density Log	18.1	79	51-80	Underburned in 2002. FTP 44-460. HM regen spotty but widespread - 3'-10' tall. A few small areas with natural JP, RP regen 3'-5' tall.
55	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	7.1	4		Stand was strip cut in 1974 (1 chain cut, 2 chains left). Good reproduction (RM, Cherry, WB, H) at last entry warrented a shelterwood-seed cut. That cut was complete in 2010. It currently is a 3-storied stand: H & YB log over 1974 cut regen (40'-50' tall) and 2000 cut (10'-20' tall).
56	4136 - Aspen, Mixed Conifer	High Density Log	27.1	81		Was an optional unit with adjacent compartment (C-164) sale (All or Nothing). Best access is across the RR, but is cost prohibitive. Did not cut. Data taken from timber sale cruise.
57	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	11.2	96		Kinny Creek headwaters flow thru stand. Graduates to upland on edges.
58	42110 - Planted Red Pine	High Density Log	11.5	79	141-170	
60	4136 - Aspen, Mixed Conifer	High Density Log	1.5	81		A small part of a Unit from "All or Nothing" from adjacent compartment (164) that was not cut. Data taken from timber sale cruise.
61	4193 - Birch, Aspen	High Density Log	1.9	72		Small birch stand between RR tracks and RP stand. Left for aesthetics and/or access to RP stand. Some low spots within stand.
67	6120 - Lowland Cedar	High Density Pole	9.5	96		
70	4137 - Aspen, Birch	High Density Log	5.0	77		Narrow stand bordering H-40. Mostly upland, tapering to lowland on the west.
74	4136 - Aspen, Mixed Conifer	High Density Sapling	10.3	27		RP & WP left standing. Some low spots within stand and along H-40.
77	42141 - Planted Mixed Pine, Mixed Deciduous	High Density Log	6.0	79	141-170	RP/WP stand with red maple. WP limby and sometimes multi- stemmed. RP - large limbed. A couple WB within stand. Peter's Creek Ski Trail Trailhead.

S t	Sault Ste. Marie		Report 8	– Forested	Stands Compartment: 171 Year of Entry: 2015	
a n d	Level 4 Cover Type	Size Density Acres		Stand BA Age Range		General Comments:
78	4130 - Aspen	High Density Sapling	9.9	17		Cedar, hemlock and white pine left - residual < 10 BA, mainly on edges. High ridge along southern edge.
79	42140 - Planted Mixed Pine	High Density Log	6.1	79	81-110	Small plantation along Kinny Creek. JP seeding in to the south and east over the years. Very limby where predominantly JP.
80	6120 - Lowland Cedar	High Density Pole	9.1	101		Narrow finger along H-40 contains small diameter cedar with areas of Tamarack. Mostly wet with small narrow upland ridge. Kinny Creek flows thru stand.
81	4199 - Other Mixed Upland Deciduous	High Density Log	22.2	81		Mainly upland with some lowland pockets. Headwaters of Peter's Creek wander thru stand. Good buffer and critter corridor.
82	6132 - Mixed Lowland Forest with Cedar	High Density Pole	6.5	104		YB present.
83	42110 - Planted Red Pine	Medium Density Log	17.1	79	81-110	Peter's Creek Ski Trail runs thru stand.
84	42110 - Planted Red Pine	High Density Sapling	22.0	16		Plantation doing nicely. Occasional JP.
85	4133 - Aspen, Mixed Pine	High Density Pole	26.0	41		Some areas more pure aspen, other areas more mixed with conifer. Several small open areas. JP & WP scattered along opening edges.
90	4139 - Aspen, Mixed Deciduous	Medium Density Pole	3.7	42		WP limby, open grown. Old field filling in over the years.
91	4130 - Aspen	High Density Sapling	7.4	16		Red maple left along north edge for visuals. Includes some open areas with some larger remnant trees.
92	42110 - Planted Red Pine	Medium Density Log	22.9	79	81-110	Thinned 1997. Variable residual BA. Left all RP, WP, beech, WB and YB. Occasional YB & Beech.
93	42110 - Planted Red Pine	Low Density Log	15.2	79	1-50	Peter's Creek Ski Trail runs thru stand.
94	6119 - Mixed Lowland Deciduous Forest	Medium Density Pole	2.5	86		Low wet area.
95	42110 - Planted Red Pine	High Density Sapling	25.3	14		This stand was not burned, just trenched and hand planted. Will be good for comparison of burned vs. unburned plantations when adjacent Abandoned Axle sale is burned (in compartment 164). Includes some non-pine areas.
96	42110 - Planted Red Pine	High Density Log	52.5	79	111-140	An occasional WP and RP 3'-5' tall; more so on the western edge where it is more open. Peter's Creek Ski Trail runs thru stand.

Compartment: 171

Year of Entry: 2015

NATURA

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	310 - Herbaceous Openland	11.2	Yes	Medium	Edison-Sault power line R-O-W.
9	622 - Lowland Shrub	1.8	Unspecified	Unspecified	Edison-Sault power line R-O-W.
10	320 - Upland Shrub	2.2	No	Unspecified	Contains some unmerchantable pine and aspen. Good for wildlife.
11	310 - Herbaceous Openland	1.5	Yes	Medium	Edison-Sault power line R-O-W.
15	50 - Water	12.1	No	Unspecified	Headwaters of Kinny Creek
16	622 - Lowland Shrub	2.1	Unspecified	Unspecified	Low, bog area on Edison-Sault power line R-O-W, with Cranberry Lake Road bisecting it.
18	310 - Herbaceous Openland	3.3	Yes	Medium	Edison-Sault power line R-O-W.
23	320 - Upland Shrub	6.1	No	Unspecified	Mostly open. WP of various sizes - 4" max dbh but short, bushy. Cherry shrubs - small. Scattered JP, A, etc.
29	50 - Water	16.5	No	Unspecified	Headwaters of Kinny and Peter's Creek.
35	622 - Lowland Shrub	39.9	No	Unspecified	Headwaters of Kinny and Peter's Creek.
40	320 - Upland Shrub	4.1	No	Unspecified	
47	622 - Lowland Shrub	5.0	No	Unspecified	Seasonally wet bog/pond.
48	622 - Lowland Shrub	6.0	No	Unspecified	Seasonally wet.
49	310 - Herbaceous Openland	2.4	No	Unspecified	Southern area burned with adjacent pine underburn.
50	629 - Mixed non-forested wetland	19.7	No	Unspecified	Some scattered trees.
52	3102 - Grass	6.0	Yes	Medium	Edison-Sault power line R-O-W.
59	11 - Low Intensity Urban	3.1	Yes	Medium	State Police radio tower site.
62	629 - Mixed non-forested wetland	1.9	No	Unspecified	

Compartment: 171

Year of Entry: 2015

NATURA

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
63	122 - Road/Parking Lot	6.9	Yes	Medium	Railroad R-O-W
64	629 - Mixed non-forested wetland	14.9	No	Unspecified	Scattered C & T.
65	122 - Road/Parking Lot	9.8	Yes	Medium	H-40
66	622 - Lowland Shrub	2.4	No	Unspecified	Between RR and H-40.
68	622 - Lowland Shrub	2.6	No	Unspecified	Skinny strip along H-40. Scattered trees - T & C.
69	622 - Lowland Shrub	4.8	No	Unspecified	
71	3303 - Mixed Low Density Trees	2.1	No	Unspecified	Between RR and H-40. Scattered trees.
72	622 - Lowland Shrub	2.6	No	Unspecified	Headwaters of Peter's Creek
73	330 - Low-Density Trees	1.2	No	Unspecified	Between RR and H-40
75	50 - Water	4.3	No	Unspecified	Geese often nest here.
76	622 - Lowland Shrub	4.5	No	Unspecified	
86	3204 - Mast Producing Shrub	22.1	No	Unspecified	Small areas have filled in with JP. Old Township Dump located in southwest corner of stand. Hawthorn located in southeast corner of stand (planted by W/L).
87	3303 - Mixed Low Density Trees	7.0	No	Unspecified	Mainly G with old WP stumps. Scattered red maple. Herbicided in 1973. Peter's Creek Ski Trail runs thru stand.
88	622 - Lowland Shrub	4.2	No	Unspecified	
89	622 - Lowland Shrub	15.1	No	Unspecified	Kinny Creek.