

Revision Date: 9/22/10

Stand Examiner: Jason A. Tokar

Legal Description: T49N R12W Sec. 5-9, 16-17

Identified Planning Goals ('Management Area' or 'RMU'): Compartment 002 is located within the Deer Park Management Area. For further description of this management area, go to the following web site: http://www.midnr.com/publications/pdfs/forestslandwater/Ecosystem/EUP/final-MAsummaries/09_Deer_Park_MA_summary.pdf

Management Goals: Maintain or enhance the forest health, productivity, and diversity of the area through proper management. Enhance age class diversity in the forest cover types through continued timber harvest treatments.

Soil and Topography: The compartment consists of a mixture of lowland and upland soil types. The mixture consists of Carbondale, Lupton and Tawas Mucks, Dawson, Greenwood& Loxley peats, Histosols & Aquents, Kinross-AuGres, Croswell-AuGres, Paquin-Finch, and Hiawatha sand. Cover types supported on the lowland soils include cedar, lowland hardwoods, and treed bog. Cover types associated with the upland soils are aspen, northern hardwoods, red pine, white pine, and jack pine. The topography is predominantly level ground throughout the compartment. There is a steep escarpment which runs the entire length of the southern boundary of the compartment which gives way to generally flat, low ground.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is made up of solid state ownership with no private inholdings. However, private land does adjoin the compartment along its southern boundary with state land surrounding the compartment on the remaining three sides. The compartment includes the western reaches of the Blind Sucker Flooding which is designated as a State Wildlife Flooding. Land Use in and around the compartment is generally low with recreational activities being the main use of the area. These activities include fishing, waterfowl hunting, deer hunting, trapping, canoeing and kayaking, snowmobiling, ORV riding and berry picking.

Unique, Natural Features: MNFI lists numerous rare lakeshore associates to the north of the compartment. Within the compartment, MNFI lists the potential for sweet coltsfoot, Wiegand's sedge, northern prostrate clubmoss, fir clubmoss, English sundew, meadow beauty, round-leaved orchis, black crowberry, yellow pitcher-plant, and panicled screwstem in bogs and open wetlands. Potential for red-shouldered hawk, goshawk, merlin, great blue heron rookery, eagle, and osprey. Potential for moose and wolf. Potential for incurvate emerald, frigga fritillary, freija fritillary, and ebony boghaunter in boggy areas.

Archeological, Historical, and Cultural Features: None Known.

Special Management Designations or Considerations: The Blind Sucker Flooding is a designated Wildlife Flooding. Normal BMP guidelines will be followed as well as any special considerations that may be defined in the Master Plan for the Operation and Maintenance for the Blind Sucker Wildlife Flooding.

Watershed and Fisheries Considerations: Fisheries Values

Good-to-Excellent. The Sucker River flows just to the east of the main portion of this compartment. The Sucker River is a Type 4 trout stream, open all year, and supports a seasonal steelhead run in addition to the resident brook trout. Access to it is relatively easy in this area. In addition to the Sucker River, this compartment contains the Blind Sucker Flooding. This impoundment is not actively managed, but continues to produce lots of perch, bunches of small northern pike, and the occasional trophy pike as well. The Dead Sucker River is not a classified trout stream, being too warm to support trout.

Wildlife Habitat Considerations: Compartment 2 lies in far northern Luce county and is in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The western portion of the compartment is dominated by upland and lowland aspen and northern hardwoods while the eastern two thirds are comprised more of conifers and treed bogs north of the blind sucker flooding.

Wildlife objectives will be achieved by retaining hard mast producing species in harvested pine stands and by leaving a component of non-pine species to provide food sources, nest and den trees, and improve stand diversity. Conifer components of aspen stands are commonly retained during harvest to increase stand diversity, provide nesting, denning and forage sites and cover. Large diameter aspen will occasionally be retained to provide food sources and later snags and den trees for wildlife and large white pine will be left as future eagle nest trees. Wildlife species potentially using this compartment include white-tailed deer, black bear, fisher, marten, snowshoe hare, ruffed grouse, gray wolves, and coyote.

Mineral Resource and Development Concerns and/or Restrictions:

Sections 5 - 9, 16 & 17, T49N-R12W, Luce County

Surface sediments consist of lacustrine (lake) sand and gravel and peat and muck deposits. There is insufficient data to determine the glacial drift thickness. The Cambrian Munising Formation and Precambrian Jacobsville Sandstone subcrop below the glacial drift. The Jacobsville has been used as a building stone in the past. The nearest gravel pit is located four miles to the southwest and potential appears to be limited. There is no economic oil and gas production in the UP.

Vehicle Access: Access to the compartment is good. County Road 407/H37 runs along the northern border of the compartment while County Road 416 follows the southern boundary of the compartment. A network of non maintained state forest roads transects the compartment providing additional, ample access to most areas. The "main" forest road which provides access into the Blind Sucker "Hole", as it is affectionately referred to by locals, runs down the steep escarpment and can be difficult to climb for logging equipment at times.

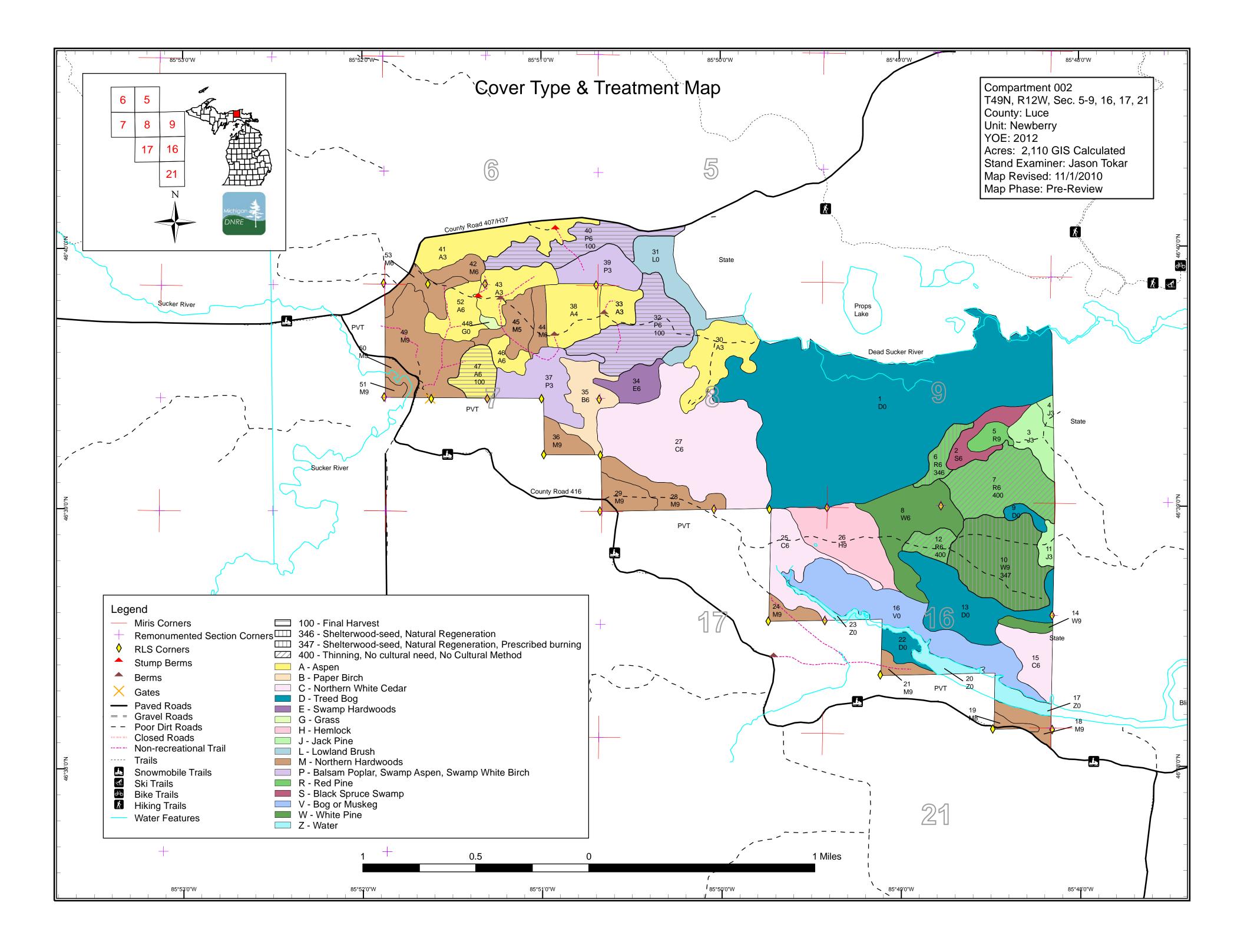
Survey Needs: No survey needs at this time.

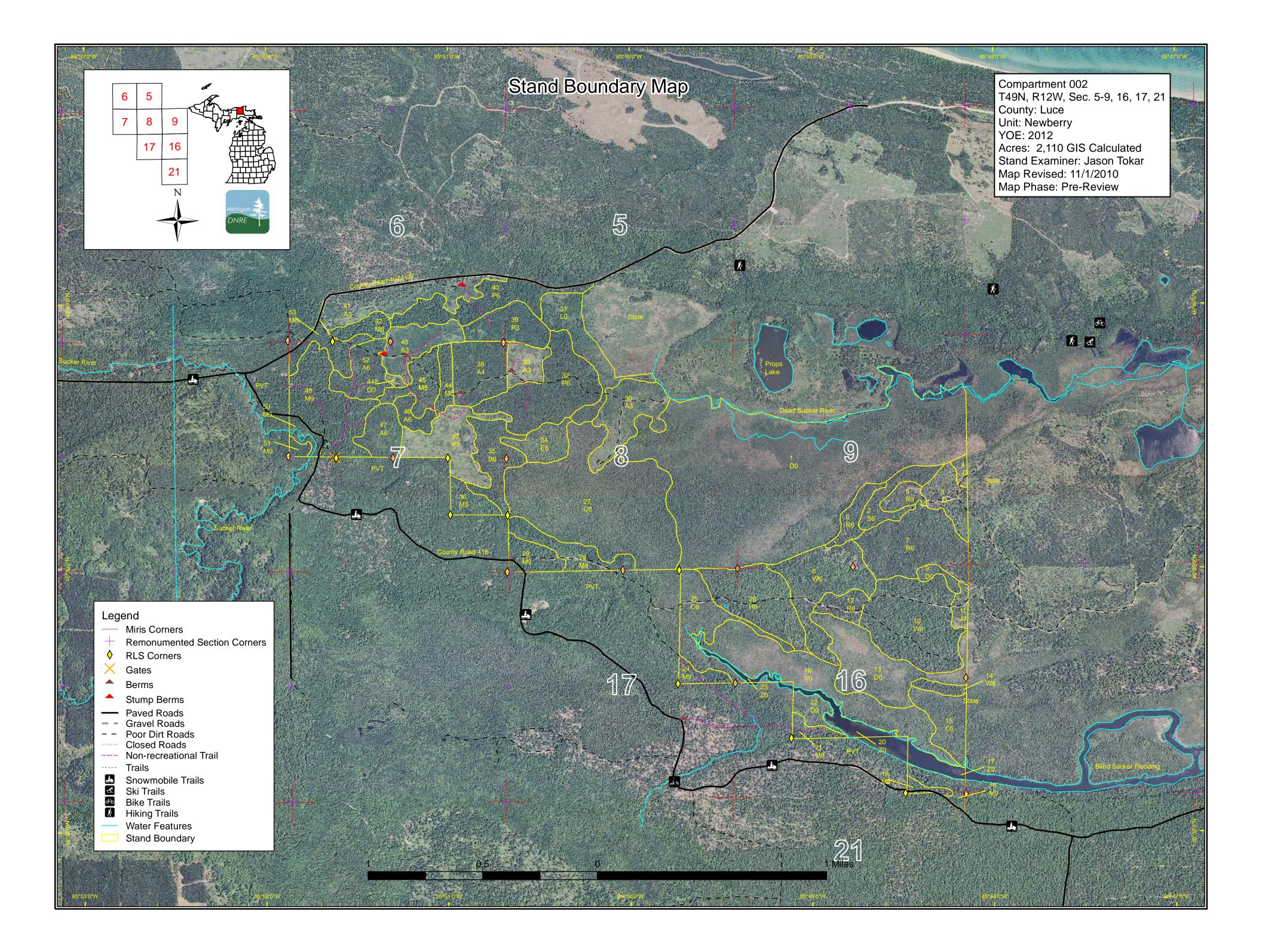
Recreational Facilities and Opportunities: Recreational facilities within the compartment would include the Grand Marais Snowmobile Trail as well as the Blind Sucker Wildlife Flooding. The snowmobile trail follows County Road 416 and experiences heavy snowmobile traffic. The Blind Sucker Wildlife Flooding provides a multitude of recreational opportunities including fishing, waterfowl hunting, trapping, canoeing and kayaking, and general wildlife and bird watching. Other recreational opportunities within the area include deer, bear and grouse hunting, ORV riding and berry picking.

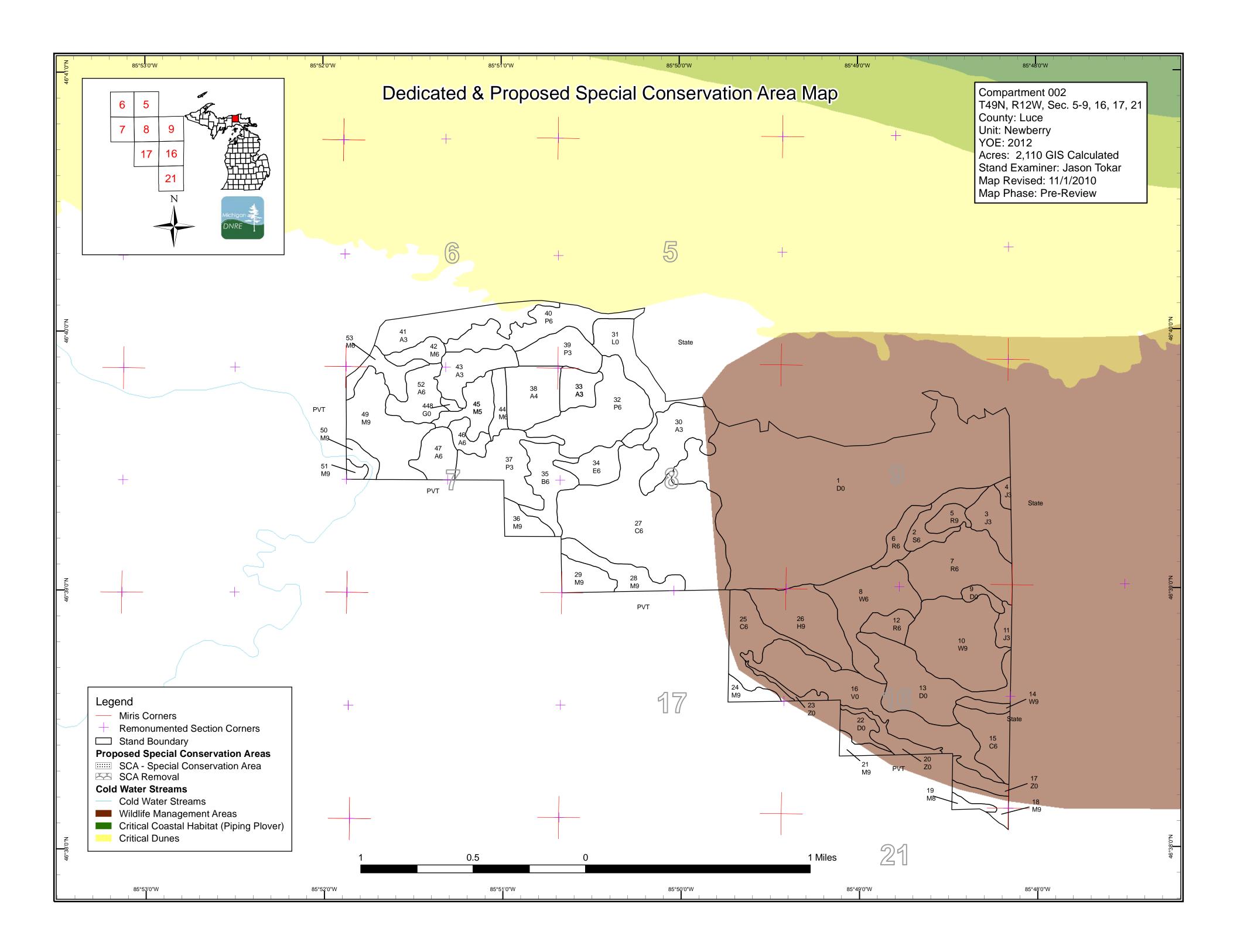
Fire Protection: Wildfire response for this compartment is covered by the Seney Field Office. It is adjacent to the Two Hearted Zone Dispatch area. The large fire potential is moderate in the upland Pine types because of fragmented Pine types, limited access by heavy equipment and long response time. The risk of damage to neighboring facilities and private land would be low because of the fragmented fuel types.

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







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Michigan Department of Natural Resources - Operations Inventory System Individual Compartment Report

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: 2

Table 3

		(a	acres shov	vn in boxes	5)			s	STAND AG	E CLASS									
COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100- 109	110- 119	120- 129	130- 139	140- 149	150- 159	All Aged	Total
Aspen		103	45	40	28	33													249
Black Spruce									21										21
Bog or Marsh	96																		96
Cedar											75		187						262
Grass	2																		2
Hemlock											61								61
Jack Pine			4	32															36
LowInd Brush	41																		41
LowInd PopIr		47	31					72		48									198
Paper Birch										35									35
Red Pine							86	14	11										111
Swamp Hrdwds																		21	21
Treed Bog	539																		539
Upland Hdwds						24	20											200	244
Water	31																		31
White Pine							65					91		7					163
Total	709	150	80	72	28	57	171	86	32	83	136	91	187	7				221	2110

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Michigan Department of Natural Resources - Operations Inventory System Individual Compartment Report

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: $\mathbf{2}$

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	А	S	V	С	G	н	J	T	L	Ρ	Ν	Q	Х	0	В	R	К	Y	F	Е	Т	D	U	М	Ζ	W	Total
A Aspen	249																										249
S Black Spruce		21																									21
V Bog or Marsh			96																								96
C Cedar				262																							262
G Grass					2																						2
H Hemlock						61																					61
J Jack Pine							36																				36
L LowInd Brush									41																		41
P LowInd PopIr										198																	198
B Paper Birch															35												35
R Red Pine																111											111
E Swamp Hrdwds																				21							21
D Treed Bog																						539					539
M Upland Hdwds																								244			244
Z Water																									31		31
W White Pine																										163	163
Total	249	21	96	262	2	2 61	36	ò	41	198					35	111				21		539		244	31	163	2110

Michigan Department of Natural Resources - Operations Inventory System Individual Compartment Report

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: 2

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

	COMPARTM	ENT SUMMARY	
TOTAL V	OLUME	CUT VOLUME	
Hardwood	11329 Cds	Hardwood 4414 Cds	
Hardwood	1117 Mbf	Softwood 2610 Cds	
Softwood	9982 Cds	Softwood 483 Mbf	
Softwood	2112 Mbf	Sum CutVol 7990 Cds	
Sum TotVol	27769 Cds		
Total Cm	npt Acres	Acres Proposed For Cut	333
211	0	Acres Meeting Silv Criteria	293
		Acres Not Meeting Silv Criteria	1817

Acres Unable to Determine Silv Criteria For.....

Ν	EWBE	ERRY F	ORES	T MGT	UNIT		Treatments niting Factors	Compa	rtment: 2	Entry Year: 2012
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
6	R6	14	62	59	RED PINE	IMMATURE	SHELTERWOOD SEED	- 1	NATURAL REGENERATION	l
	bord and harv pine	dering the 30 ft tall. vest with e. Alterna	large tr Prescr scarificate te mang	reed bog. ibe for a ation. Re gement ol	Thick BA in man shelterwood harve move jack pine (m	y areas. Weak to st to promote rec ature) and most	l pine regeneration.	eas. Pocke Reduce state along state	ts of younger RP, 2 and BA to 60 sq ft a nd edges. Manager	-3 inches in diameter
		away fro		-						
7	R6	72	55	56	RED PINE	IMMATURE	THINNING nponent, some oak a	1		
WId	Poc whi	kets of th te pine. I years old.	ick W3/ Residual	W4 unde BA to av	erstory - hard to thi	n these areas. P	b be thinned. 2 acress rescribe thinning treas of advanced (3-4 inc	atment, ren	nove JP and aspen.	
10	. Icav	91	107	52	WHITE PINE	MATURE	SHELTERWOOD	- 1	NATURAL	
	in d furt Per Ma	liameter. her promo pre-revie nagement	Follow ote whit w - leav objectiv	harvest w e pine an e some re ve of whi	with RX burn to red d red pine regener ed maple and pape	duce competition ation. IF RX but r birch in the por		d. If possil within 6-12 be scarifie	ble follow RX burn months of harvest, d. Leave all oak an	d hemlock.
Wld	: leav	e any hen	nlock na	ıd oak if j	present. Leave som	ne maple and spr	uce for species diver	sity in the	stand	
12	R6	14	49	65	RED PINE	IMMATURE	THINNING	1		
	and	white pir	ne. Resi	dual BA	of 100-110. Sum	ner harvest. Ma	nagement objective			ne and thin red pine
			-	•	or nest trees and lea	-				
32	P6	72	66		BALSAM POPLAR SWAMP ASPEN and SWAMP WHITE BIRCH		FINAL HARVEST	1		
omnts Fmd	Asp Pres	en is mat	ure. Mo nd for tr	ortality in eatment,	some white birch. clearcut with reser	. Fair number of	aspen seedlings gro	wing in are	eas with openings in	te birch and balsam. 1 the canopy. trees, soil conditions
							conifers. Can leave and, use this as a ret			emlock. If a pocket
		nagement sam, and 1		ve of low	land aspen/birch.	Alternate manag	ement objective (acc	ceptable sp	ecies mix) of lowlar	nd aspen/birch, spruce
Wld		e scattere ure maple		ock in the	e stand and hemloc	ck pockets on the	e south end of the sta	nd. Leave	some matre aspen f	or grouse and some

Ν	EWBE	RRY F	ORES	T MG			Treatments niting Factors	Compartr	ment: 2	Entry Year: 2012
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
40	Ρ6	48	78	65	BALSAM POPLAR & SWAMP ASPEN and SWAMP WHITE BIRCH	MATURE	FINAL HARVEST	2		
/////.0				Lowland	l aspen stand with po	ockets of lowlan	e P6. Eastern end b d hardwoods. Matur for treatment. Clear	e aspen is dyi	ing out and blow	
Wld	will Man balsa Per j : leasy	likely va agement am, mapl pre-reviev e mature	ry consi objecti e and el w - Inco aspen a	derably ve of lo m. orporate and mix	from stand boundar wland aspen/birch. some mature aspen ed conifer in retentio	y due to variabil Alternate manag into sale red line	ity in the stand. Spe ement objective (acc	cific retentior eptable specie to include so	n pockets will ne es mix) of lowla me mature aspe	nd aspen/birch, spruce n., conifer, and cherry
Wld 47	will Man balsa Per j : leasy	likely va agement am, mapl pre-reviev e mature	ry consi objecti e and el w - Inco aspen a	derably ve of lo m. orporate and mix	from stand boundar wland aspen/birch. some mature aspen	y due to variabil Alternate manag into sale red line	ity in the stand. Spe ement objective (acc e. Retention pockets	cific retentior eptable specie to include so	n pockets will ne es mix) of lowla me mature aspe	nd aspen/birch, spruce n., conifer, and cherry
47	will Man bals: Per] : leasy inclu A6 : Heat dian with retai	likely va agement am, mapl pre-review re mature ding spru 22 lthy aspen neter and reserves ned after	ry consi objecti e and el w - Inco aspen a ice, asp 43 n, appro 35 ft ta . Leave harvest	derably ve of lo m. orporate and mix en, and 70 ximate 11. Scat a coup c, advan	from stand boundar wland aspen/birch. some mature aspen ed conifer in retentio cherry if present. ASPEN (UPLAND) y 50 years old. Tall tered spruce and bal le retention pockets, ced understory, ever	y due to variabil Alternate manag into sale red lind on pockets and r MATURE , straight boles. sam. Stand was not individual to with a 2 inch sp	ity in the stand. Spe ement objective (acc e. Retention pockets ed line trees. Make s FINAL HARVEST Good hardwood cor cut previously as sal	cific retentior eptable specie to include so ure retention j 1 nponent. M3 e #12-1967 F tand will have Aanagement o	n pockets will ne es mix) of lowla me mature aspe pockets include understory is ac Prescribe stand f e a fair amount co objective of aspe	nd aspen/birch, spruce n., conifer, and cherry large conifer lvanced 2-4 inches in for treatment, clearcut of hardwood saplings

				With Limitin	g Factors			
Cover Stand Type	Acres Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status

TREATMENT LIMITING FACTORS:

Total Acres..... #Error

	N	EWBE							nd Level Info			artment: 2	Linuy	rear: 2012
S t	Cover		A c		avg.						t Packets Glos	ssary of Terms" do definitions.	ocument lin	k on web site
a n d	Type- Size Dnsty	Story- Stkng Level	r e s	Age	D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	D 0	D 0	451		0	0		treed bog	nonstocked	Ν		not scheduled	0	
com	nts Fmd	: sout	heast	ern po	rtion	of the s	stand has	s young jack pine o	on bog type gro	und. Poss	ible future star	nd of merchantabl	e jack pine	
2	S 6	S 3	21	74	7	120	35 bla	ack spruce-swamp	immature	Ν		10-19 years	0	
com	nts Fmd	: Blac	ck spr	uce wi	ith co	mpone	nt of red	pine and jack pine	e. Spruce is hea	althy and s	mall diameter.	Hold for 10 year	rs for diver	sity.
3	J 3	J 3	24	22	3	10	50	jack pine	immature	Ν		30-39 years	0	
com	nts Fmd	: Goo	d jac	k pine	repro	duction	n, 15-25	ft tall. Thick. Son	ne red pine resi	dual left fr	om harvest. P	art of the Vicious	Dog Sale	#36-84-01.
ł	J 3	J 3	4	17	0	0	50	jack pine	immature	Ν		40-49 years	0	
com	nts Fmd	: Star	ıd wa	s harve	ested	in 1993	8 as sale	#26-93-1. FTP C-	-42-402. Good	J3 regener	ration, 8-10 ft	tall avg.		
	R 9	F 2	11	74	12	130	61	red pine	immature	Ν		10-19 years	0	
com	nts Fmd	neve of Ju to 1 west	er sca une 2 10-12 t. Cu	rified, 010, no 20 squa t all sp	but re o red are fee becies	egen ch pine re et of ba except	eck in M generati sal area. red and	Pine (029-02-01). May, 2008 shows goon. Possibly harve May have wind the white pine. Mark 8/26/04 ETP42.5	ood mix of JP (est again, this ti hrow problems red and white	6" ht), S, l me via she so thin eas pine to 110	R and W filling elterwood harv sy. Include me D-120 square fe	g in. No further c est to promote rec ercantable areas of eet. ***Stand thin	ultural word pine rege f spruce to nnned as D	k needed. As neration. Thin north and ead Sucker
com	nts Fmd	neve of Ju to 1 west Red	er sca une 2 10-12 t. Cu Pine	rified, 010, no 20 squa t all sp (029-0 08 shov	but re o red are fee becies 02-01	egen ch pine re et of ba except). Con od mix	eck in M generati sal area. red and pleted (Iay, 2008 shows go on. Possibly harve May have wind th	ood mix of JP (est again, this ti hrow problems red and white 579: small east	6" ht), S, I me via she so thin eas pine to 110 tip of stand urther cultu	R and W filling elterwood harv sy. Include me D-120 square fo d, which was J	g in. No further c est to promote rec ercantable areas of eet. ***Stand thin P, was never scari	ultural wor d pine rege f spruce to nnned as D ified, but re	k needed. As neration. Thin north and ead Sucker egen check in
	R 6 nts Fmd	neva of Ju to 1 wess Red May F 2 : Stan borc and harv	er sca une 2/ 10-12 t. Cu Pine 7, 200 14 14 14 14 14 14 14 14 14 14 15 14 14 14 14 14 14 14 14 14 14 14 14 14	rified, 010, no 20 squa t all sp (029-(08 show 62 s record g the la tall. F vith sca cernate	but re o red are fee becies 02-01 vs goo 11 nmen rge tr Prescri urifica mang	egen ch pine re et of ba except). Con od mix 140 ded for eed bo be for tion. F	eck in M generati sal area. red and ppleted 0 of JP (6 59 treatme g. Thick a shelter temove	 May, 2008 shows geon. Possibly have May have wind the white pine. Mark 18/26/04. FTP42-5 " ht), S, R and W f 	ood mix of JP (est again, this ti hrow problems red and white j 579: small east filling in. No fu immature but was held for s. Weak tops to romote red pine and most of sp	6" ht), S, I me via she so thin eas pine to 110 tip of stand irther cultur N 10 years, o red pine i e regenerat ruce, leave	R and W filling elterwood harv sy. Include mo)-120 square fi d, which was J ural work need shelterwood- seed until adjacent in areas. Pock ion. Reduce s e some along st	g in. No further c est to promote rec ercantable areas of eet. ***Stand thin P, was never scari- led. within 0-9 years stands were harve ets of younger RP tand BA to 60 sq tand edges. Mana	ultural word d pine rege f spruce to nnned as D ified, but ro s 1 nat ested. Red P, 2-3 inche ft average.	rk needed. As neration. Thin north and ead Sucker egen check in ural regeneration pine "ridge" es in diameter Follow
	R 6 nts Fmd	neva of Ju to 1 wess Red May F 2 : Star borc and harv pine	er sca une 2/ 10-12 t. Cu Pine 7, 200 14 14 14 14 14 14 14 14 14 14 15 14 14 14 14 14 14 14 14 14 14 14 14 14	rified, 010, no 20 squa t all sp (029-()8 show 62 s record g the la tall. P <i>i</i> th sca cernate	but re o red are fee becies 02-01 vs goo 11 nmen rge tr Prescri urifica mang	egen ch pine re et of ba except). Con od mix 140 ded for eed bo ibe for tion. F gement dge	eck in M generati sal area. red and ppleted 0 of JP (6 59 treatme g. Thick a shelter temove	May, 2008 shows go on. Possibly harve May have wind th white pine. Mark 08/26/04. FTP42-5 " ht), S, R and W f red pine ant last entry year b c BA in many areas twood harvest to pr jack pine (mature)	ood mix of JP (est again, this ti hrow problems red and white j 579: small east filling in. No fu immature but was held for s. Weak tops to romote red pine and most of sp	6" ht), S, I me via she so thin eas pine to 110 tip of stand irther cultur N 10 years, o red pine i e regenerat ruce, leave	R and W filling elterwood harv sy. Include mo)-120 square fi d, which was J ural work need shelterwood- seed until adjacent in areas. Pock ion. Reduce s e some along st	g in. No further c est to promote rec ercantable areas of eet. ***Stand thin P, was never scari- led. within 0-9 years stands were harve ets of younger RP tand BA to 60 sq tand edges. Mana	ultural word d pine rege f spruce to nnned as D ified, but re s 1 nat ested. Red P, 2-3 inche ft average. agement ob	rk needed. As neration. Thin north and ead Sucker egen check in ural regeneratio pine "ridge" es in diameter Follow
com	R 6 nts Fmd Wld R 6	 neva of Ju to 1 wess Red May F 2 Stan borc and harvy pine stay F 2 F 2 Pole thro Poch whit 	er sca une 2 10-12 t. Cu Pine 7, 200 14 d wa lering 30 ft rest w 2. Alt away 72 e size ughoo kets c	rified, 010, no 20 squa t all sp (029-0 8 show 62 s record g the la tall. P vith sca ernate from l 55 red pin ut stan of thick e. Res	but re o red are feed vectors 2-01 vs good 11 nmen rge tr tr trescri- trifica mang bog ed 10 ne sta d. Ov t $W3/$ sidual	egen ch pine re et of ba except). Con od mix 140 ded for eed bo ibe for tion. F gement dge 150 nd with verall, i W4 und BA to	eck in M generati sal area. red and pleted C of JP (6 59 • treatme g. Thick a shelter Remove j objectiv 56 n good ja t's a you derstory average	Aay, 2008 shows gon. Possibly harve May have wind the white pine. Mark 08/26/04. FTP42-5 " ht), S, R and W for red pine ant last entry year boot a BA in many areas twood harvest to project pine (mature) e (acceptable species)	ood mix of JP (est again, this ti hrow problems red and white p 579: small east filling in. No fu immature but was held for s. Weak tops to romote red pine and most of sp ies mix) of red immature at, Wp compone d, ready to be t	6" ht), S, I me via she so thin eas pine to 110 tip of stand in ther cultur N 10 years, o red pine i e regenerat ruce, leave pine with N ent, some o hinned. 2 be thinnin	R and W filling elterwood harv sy. Include ma)-120 square fi d, which was J ural work need shelterwood- seed until adjacent in areas. Pock ion. Reduce s some along st white pine and thinning pak and aspen. acres of 60-70 g treatment, re	g in. No further c est to promote rec ercantable areas of eet. ***Stand thin P, was never scar- led. within 0-9 years stands were harve ets of younger RP tand BA to 60 sq tand edges. Mana spruce. within 0-9 years Lots of BA and of year old jack pin emove JP and aspe	ultural word d pine rege f spruce to nnned as D ified, but re s 1 nat ested. Red P, 2-3 inche ft average. gement ob s 1 diameter d e just nortl en. Thin re	k needed. As neration. Thin north and ead Sucker egen check in ural regeneratio pine "ridge" s in diameter Follow jective of red
com	R 6 nts Fmd Wld R 6 nts Fmd Wld	 neva of Ju to 1 wess Red May F 2 Stan borc and harv pine stay F 2 F 2 Pole thro Poct whit 70 y leave 	er sca une 2 10-12 t. Cu Pine 7, 200 14 d wa lering 30 ft vest w 2. Alt away 72 e size ughoo kets c te pin vears o e oak	rified, 010, no 20 squa t all sp (029-0 8 show 62 s record g the la tall. P vith sca ernate f from l 55 red pin ut stan of thick e. Resold. M	but re o red are fee vecies)2-01 vs goo 11 nmen rge tr Prescri- rifica mang bog e 10 ne sta d. Ov c W3/ sidual IO of	egen ch pine re et of ba except). Con od mix 140 ded for eed bo ibe for tion. F gement dge 150 nd with verall, i W4 und BA to red pir	eck in M generati sal area. red and pleted 0 of JP (6 59 • treatme g. Thick a shelter cobjectiv 56 n good ja t's a you derstory average te and/or	May, 2008 shows geon. Possibly harve May have wind the white pine. Mark 18/26/04. FTP42-5 " ht), S, R and W for red pine and last entry year be a BA in many areas twood harvest to prise ack pine (mature) e (acceptable spection red pine ack pine component inger red pine stan - hard to thin these 110-120. Stay out pine mix.	ood mix of JP (est again, this ti hrow problems red and white p 579: small east filling in. No fu immature but was held for s. Weak tops to romote red pine and most of sp ies mix) of red immature at, Wp compone d, ready to be t e areas. Prescrit t of areas of adv	6" ht), S, I me via she so thin eas pine to 110 tip of stand irther cultur N 10 years, o red pine i e regenerat ruce, leave pine with N ent, some of hinned. 2 be thinnin vanced (3-	R and W filling elterwood harv sy. Include ma)-120 square fi d, which was J ural work need shelterwood- seed until adjacent in areas. Pock ion. Reduce s some along st white pine and thinning pak and aspen. acres of 60-70 g treatment, re	g in. No further c est to promote rec ercantable areas of eet. ***Stand thin P, was never scari- led. within 0-9 years stands were harve ets of younger RP tand BA to 60 sq tand edges. Mana spruce. within 0-9 years Lots of BA and 6 year old jack pin emove JP and aspe egeneration. Don	ultural word d pine rege f spruce to nnned as D ified, but re s 1 nat ested. Red P, 2-3 inche ft average. gement ob s 1 diameter d e just nortl en. Thin re	k needed. As neration. Thin north and ead Sucker egen check in ural regeneratio pine "ridge" s in diameter Follow jective of red
com	R 6 nts Fmd Wld R 6 nts Fmd Wld	 neva of Ju to 1 wess Red May F 2 Stan borc and harv pine stay F 2 F 2 Pole thro Poch white 70 y 	er sca une 2 10-12 t. Cu Pine 7, 200 14 dd wa lering 30 ft vest w e. Alt away 72 e size ughor kets o te pin rears o	rified, 010, no 20 squa t all sp (029-()8 show 62 62 s record g the la tall. P <i>i</i> th sca cernate f from l 55 red pin ut stan of thick e. Reso old. M	but re o red are feed vectors 2-01 vs good 11 nmen rge tr tr trescri- trifica mang bog ed 10 ne sta d. Ov t $W3/$ sidual	egen ch pine re et of ba except). Con od mix 140 ded for eed bo ibe for tion. F gement dge 150 nd with verall, i W4 und BA to	eck in M generati sal area. red and pleted C of JP (6 59 • treatme g. Thick a shelter Remove j objectiv 56 n good ja t's a you derstory average	May, 2008 shows geon. Possibly harve May have wind the white pine. Mark 18/26/04. FTP42-5 " ht), S, R and W for red pine and last entry year be a BA in many areas twood harvest to prise ack pine (mature) e (acceptable spection red pine ack pine component inger red pine stan - hard to thin these 110-120. Stay out	ood mix of JP (est again, this ti hrow problems red and white p 579: small east filling in. No fu immature but was held for s. Weak tops to romote red pine and most of sp ies mix) of red immature at, Wp compone d, ready to be t	6" ht), S, I me via she so thin eas pine to 110 tip of stand in ther cultur N 10 years, o red pine i e regenerat ruce, leave pine with N ent, some o hinned. 2 be thinnin	R and W filling elterwood harv sy. Include ma)-120 square fi d, which was J ural work need shelterwood- seed until adjacent in areas. Pock ion. Reduce s some along st white pine and thinning pak and aspen. acres of 60-70 g treatment, re	g in. No further c est to promote rec ercantable areas of eet. ***Stand thin P, was never scar- led. within 0-9 years stands were harve ets of younger RP tand BA to 60 sq tand edges. Mana spruce. within 0-9 years Lots of BA and of year old jack pin emove JP and aspe	ultural word d pine rege f spruce to nnned as D ified, but re s 1 nat ested. Red P, 2-3 inche ft average. gement ob s 1 diameter d e just nortl en. Thin re	k needed. As neration. Thin north and ead Sucker egen check in ural regeneratio pine "ridge" s in diameter Follow jective of red
	R 6 nts Fmd Wld R 6 nts Fmd Wld Wld	 neva of Ju to 1 wess Red May F 2 : Stan borc and harv pine : stay F 2 : Stan : Pole thro Pocl whit 70 y : leave W 2 : Stan 	er sca une 2: 10-12 t. Cu Pine 7, 200 14 d wa lering 30 ft rest w e. Alt away 72 e size ughoo kets c te pin rears o e oak 65 d is r	rified, 010, no 20 squa t all sp (029-()8 show 62 s record g the la tall. P ith sca cernate f from l 55 red pin ut stan of thick e. Reso old. M	but re o red are feecies 02-01 11 nmen rge tr Prescri rrifica mang bog ed 10 ne sta d. Ov c W3/ sidual 10 of 8 rating	egen ch pine re et of ba except). Con od mix 140 ded fon eed bo ibe for tion. F gement 150 nd with zerall, i W4 un BA to red pin 80 . Your	eck in M generati sal area. red and ppleted (of JP (6 59 • treatme g. Thick a shelter cobjectiv 56 • n good ja t's a you derstory average te and/on	May, 2008 shows geon. Possibly harve May have wind the white pine. Mark 18/26/04. FTP42-5 " ht), S, R and W for red pine and last entry year be a BA in many areas twood harvest to prise ack pine (mature) e (acceptable spection red pine ack pine component inger red pine stan - hard to thin these 110-120. Stay out pine mix.	ood mix of JP (est again, this ti hrow problems red and white j 579: small east filling in. No fu immature but was held for s. Weak tops to romote red pine and most of sp ies mix) of red immature nt, Wp compone d, ready to be t e areas. Prescrit t of areas of adv	6" ht), S, I me via she so thin eas pine to 110 tip of stand irther culti N 10 years, o red pine i e regenerat ruce, leave pine with N ent, some of hinned. 2 be thinnin vanced (3-	R and W filling elterwood harv sy. Include mo)-120 square fi d, which was J ural work need shelterwood- seed until adjacent in areas. Pock ion. Reduce s e some along st white pine and thinning bak and aspen. acres of 60-70 g treatment, re 4 inch diam) r	g in. No further c est to promote rec ercantable areas of eet. ***Stand thin P, was never scari- led. within 0-9 years stands were harve ets of younger RP tand BA to 60 sq tand edges. Mana spruce. within 0-9 years Lots of BA and of year old jack pin emove JP and aspe egeneration. Don	ultural word d pine rege f spruce to nnned as D ified, but re- s 1 nat ested. Red P, 2-3 inche ft average. agement ob s 1 diameter d e just northen. Thin re- t't cut oak.	k needed. As neration. Thin north and ead Sucker egen check in ural regeneratio pine "ridge" es in diameter Follow jective of red iversity n of bog. ed pine and Stand is 40 -

	Ν	EWBE	RR	Y FOI	RES	T MG		Sta	nd Level In	formatio	on Comp	artment: 2	Entry	Year: 2012
S t a	Cover Type-	Under Story-	A c r		avg.					her descrip	ent Packets Glos	sary of Terms" dedinitions.	ocument lin	k on web site
n d	Size Dnsty	Stkng Level	e s	Age	D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
10	W 9	F 2	91	107	14	130	52	white pine	mature	Y	shelterwood- seed	within 0-9 year	rs 1 nat	ural regeneration
com	ints Fmd	and Som man fire t pine in di	mapl e wh agen to rec as p iamet	e in th ite pin nent. A duce fi art of s ter. Fo	e und le with A COO r repr stand.	erstory n dead DL pre o and " Pres harves	y. Pocke tops/mosescribe bu prepare s cribe stat t with R2	pine with a good r ts of good white p rtality. Dan Farns irn needed. Some eed bed. Could al nd for shelterwood X burn to reduce c pine regeneration.	ine regeneration worth commer scattered white lso be scarified treatment. Ro ompetition and	on where c nts from 20 e pine reg l. Need so educe basa d prepare s	anopy is open. 1 001 - "Manage o en present but re me area of bare il area to 50-60 s eedbed. If poss	Balsam is taking n extended rotati egen mostly made soil to reproduce sq ft. With harve ible follow RX b	over the un ion for big t e up of bals ed red pine a est, cut all b purn with sc	derstory. ree am fir. Use and keep red alsam 2 inches arification to
		Per j	pre-r	eview	- leav	e some	e red map	ole and paper birch	n in the portion	is of the st	and to be scarifi	ed. Leave all oal	k and hemle	ock.
							vhite pine mlock, bi	e with a componen irch.	t of red pine.	Alternate	management obj	ective (acceptabl	le species n	iix) of red
	Wld	: leave	e any	hemlo	ock na	d oak	if presen	t. Leave some map	ple and spruce	for species	s diversity in the	stand		
11	J 3	J 3	8	22	3	10	50	jack pine	immature	Ν		30-39 years	0	
com	nts Fmd	: Goo	d jac	k pine	repro	ductio	on, 15-25	ft tall. Thick. Sor	ne red pine res	idual left	from harvest. Pa	art of the Vicious	s Dog Sale	#36-84-01.
12	R 6	W 1	14	49	11	180	65	red pine	immature	Y	thinning	within 0-9 year	·s 1	
	Wld	and : leave	white e son	e pine.	Resi e whit	dual B e pine	A of 100 for nest	pine and white pin -110. Summer hat trees and leave so	arvest. Manage	ement obje the stand	ective of red pine	2.	-	hin red pine
13	D 0	D 0	70		0	0	20	treed bog	nonstocked	N		not schedulec	0	
14		Po	ad n tentia	eeded al or de	(reso esigna	urces r ited old	d growth	white pine ntly available)	mature	Y		10-19 years	0	
2007 15		C 3	30 ss a	92	6	80	22	bly impossible. Tr	low quality	y. N		not scheduled	1 O	
		: Low dyin	qual g. T	lity cea	dar. F em to	loodir be ree	ng water	table is controlling south of road as th	g factor resultin	1g in slow		trees predating f	looding hav	
16	V 0	V 0	96			0		bog or muskeg	nonstocked	Ν		not scheduled	0	
17	Z 0 Ints Fmd	Z 0	11 d Su	cker Fl	0 loodir	0		water	nonstocked	N		not schedulec	d 0	
				CKCI I'		-	60 -	orthorn bordwood		ı v		not ochodul	1 0	
18	M 9	M 3 Treatme		-	18 Facto	130 <u>rs:</u>	62 n	orthern hardwood	unevenagec	I Y		not schedulec	0	
com	nnts Fmd	: Beec		ark Dis			h is the p p to log.	redominant specie	s in the stand.	Thei stan	d is on the steep	escarpment that	leads dowr	to the Blind

	Ν	EWBE	RR	Y FO	RES	ГMG	T UN	IT Sta	nd Level Info	ormatior	n Comp	oartment: 2	Entry	/ear: 2012
		Under Story-	A c r		avg. D						t Packets Glosons and code	ssary of Terms" do definitions.	ocument lin	k on web site
	Size Dnsty	Stkng Level	e s	Age	B H	Tot. BA	Site Indx	Mgt Obj	Condition	Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
I	M 8	М З	5		18	60	62	northern hardwood	unevenaged	Ν		20-29 years	0	
om	nts Fmd	Bark	c Dis	ease p	resent	. Beec	ch is th	s in bad shape. Hea e predominant speci ual BA of 80.						
)	Z 0	Z 0	14		0	0		water	nonstocked	Ν		not scheduled	0	
om	nts Fmd	: Blin	d Su	cker F	loodin	ıg.								
	M 9	M 3	8		12	80	58	northern hardwood	unevenaged	Ν		not scheduled	0	
эm	nts Fmd							of stand butts up ag . Erosion hazard if l				stand is on the stee	ep escarpm	ent leaving a
2	D 0	D 0	12		0	0		treed bog	nonstocked	Ν		not scheduled	0	
}	Z 0	Z 0	6		0	0		water	nonstocked	N		not scheduled	0	
				altan D										
	nts Fmd M 9	: ЫШ М 3	10 Su	CKET F	16	ig. 70	62	northern hardwood	unevenaged	N		10-19 years	0	
m	nts Fmd							nded by shelter bay. election) as "Sucker l cedar					esidual BA	
om	nts Fmd	dyin	ıg. T		em to	be rec	coverin	er table is controlling ng south of road as th						
	H 9	M 3	61	96	17	170	55	hemlock	mature	Ν		not scheduled	0	
m	nts Fmd							silvi ready). Howeve sale within this sale			ge diameter h	emlock stand. Poc	kets of you	ingerl There
	C 6	E 3	187	108	10	160	42	cedar	mature	Ν		not scheduled	0	
om	nts Fmd	blov deer	vdow • proł	n. No	thern If you	nal cov u are lo	ver. Cl poking	nort and stubby but 1 lumpy appearance. U to cut some good ce edar.	Understory is a 1	nix of bals	am, red maple	e, spruce, tag alder	r and some	cedar. No
	M 9	М 3	28		18	110	60	northern hardwood	unevenaged	Ν		not scheduled	0	
m	nts Fmd	: Stee	p eso	carpme	nt, too	o steep	to ope	erate on. Large diam	neter hardwoods	, hard map	ole, red maple,	yellow birch and	beech.	
	M 9	М З	18		18	80	60	northern hardwood	unevenaged	Ν		10-19 years	0	
om	nts Fmd	abov	ve es	carpme	ent, wa	as cut	in the '	'Sucker River Hardw 70s, needed to releas ck in 10 years.						
)	A 3	P 3	45	15	0	0	50	aspen (upland)	immature	Ν		30-39 years	0	
30 com		Р3 : ТІМ	45 IBEF	15 R SALI	0 E #32-	0	50 North	-	3/F2, 15 ft tall a	and thick.		-		e ac

S t	Cover		A c	1 FU	avg.	I WIG		11 Sta		ompartme		eartment: 2 sary of Terms" de definitions.		Year: 2012
1 1	Type- Size Dnsty	Story- Stkng Level	r e s	Age	avg. D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	L 0	L 0	41		0	0		lowland brush	nonstocked	Ν		not scheduled	0	
omi	nts Fmd	:												
2	P 6	M 2	72	66	10	150	61	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 year	s 1	
:omi	nts Fmd	Asp Pres	en is scribe	matur stand	e. Mo	ortality eatmer	in son nt, clea	6. Pockets of low q he white birch. Fair rcut with reserves. I	number of aspe	n seedling	gs growing in a	reas with opening	gs in the ca	nopy.
		of h	emlo	ck is f	ound v	within	sale ar	s to include mature a ea in southern protic	on of the stand,	use this a	s a retention po	cket.		-
	Wld	bals : leave	am, a e sca	and ma	aple. hemlo			aspen/birch. Altern	-	-			-	-
3	A 3	matu M 2	ire m	aple a	nd fir	0	65	aspen (upland)	immature	N		50-59 years	0	
4	E 6						0% of t	lant some white pin- rees are grade #1, 3 swamp hardwoods					ill be red n	haple if it
comi	nts Fmd	note	\$\$*	*****C	learcu	tting t	his star	th pockets of large d nd leaving a yellow l eet of snow.						
5	B 6	E 3	35	79	9	100	55	paper birch	low quality	Y		20-29 years	0	
		Treatme					,. ,							
comi	nts Fmd	: Low	land	white	birch	stand.	Main	ass diversity ly white birch and re reas with mature asp					uce. Dieba	ack and
86	M 9	M 3 Treatme	14 <u>ent Li</u> oo ste			110 <u>rs:</u>	60	northern hardwood	unevenaged	Ν		20-29 years	0	
comi	nts Fmd	: Star	nd lie	s main				Majority of the stan birch dying. Adjac				rvest. Access is q	uestionable	e through
7	P 3	P 2	47	5	0	0	60	balsam poplar & swamp aspen and swamp white birch	in process of regeneration	Ν		50-59 years	0	
:omi	nts Fmd	Con	nbine	ed as o	ne star	nd afte	r timbe	Mix" (032-02-01). er harvest. Regenera cess road into old sa	ating to a P3/E3	. Lots of	aspen and map	le regeneration.	Areas with	white birch
8	A 4	A 3	40	26	4	30	67	aspen (upland)	immature	N		30-39 years	0	
comi	nts Fmd						an A3 n late 1	to an A6. Lots of 2- 1980's.	4 inch aspen, s	ome mercl	hantable (5-7 ir	nch dbh) aspen an	d maple.	Thick stand.

	N	EWBE	RR	Y FO	RES	T MG	T UN	IT Sta	nd Level Inf	ormatio	n Comp	artment: 2	Entry	Year: 2012
5	Cover Type-	Under Story-	A c		avg.					er descrip	nt Packets Glos ions and code	sary of Terms" d definitions.	ocument lin	k on web site
a n d	Size Dnsty	Story- Stkng Level	r e s	Age	D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
9	Ρ3	Р3	31	16	0	0	75	balsam poplar & swamp aspen and swamp white birch	immature	Ν		30-39 years	0	
om	nts Fmd							leted in 1994. Very elm left as residual			yet starting to	transition to mer	chantable s	ize classes.
)	P 6	E 3	48	78	11	80	65	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 year	rs 2	
	Wld	mor will Mar bals Per	tality likel nager am, 1 pre-1	v in the ly vary ment ol maple a review	balsa consi bjectiv and el - Inco	m and derabl <u>y</u> ve of lo m. rporate	spruce y from wland e some	n stand with pockets , overmature. Presc stand boundary due aspen/birch. Alterr mature aspen into s nifer in retention poo	ribe stand for t to variability in nate management cale red line. Re	reatment. n the stand nt objectiv etention po	Clearcut with r . Specific rete e (acceptable s ockets to includ	reserves. Retain ntion pockets wil pecies mix) of lo le some mature a	all elm. Sal l not be nec wland asper spen., conif	le boundary eded. n/birch, spruce er, and cherry
	A 3				-			y if present.	immature	N		40-49 years	0	
2	M 6	aspe	en, 10	0-15 ft	tall. 1	Mainly	aspen n of th	we red and white pi with some red map e stand. northern hardwood						
				rvested				Road Aspen" (030-	0		/05. Selection		Ū	
3	A 3	M 2	32	5	0	0	75	aspen (upland)	immature	Ν		40-49 years	0	
om	nts Fmd							Road Aspen" (030- eration 15 ft tall. M					red pine, v	white pine wer
ŀ	M 6	М З	12		10	80	62	northern hardwood	unevenaged	Ν		10-19 years	0	
om	nts Fmd	and	red 1	naple.	Lots	of map	le rege	s "Sucker River Mix en coming in 2-6 ft t s where aspen was r	all. South part	of stand h	as higher comp	onent of white b		
5	M 5	М З	24	41	9	60	65	northern hardwood	immature	Ν		30-39 years	0	
om	nts Fmd	com a cle	ipone earcu	ents of it. Mai	aspen ny ma	, balsa ple ster	m, whi ms. As	last entry year. Sep te birch, etc. Possil spen is 25-31 years n. Let grow another	ole management old for younger	t (thinning) in 20-30 year	s. A lot of white	birch repro	o. This was no
6	A 6	М 3	11	41	8	80	65	aspen (upland)	immature	Ν		20-29 years	0	
om	nts Fmd							inal stand (adjacent ng with balsam, wh						

	Ν	EWBE	RR	Y FO	RES	T MG	T UN	IT Sta	nd Level Inf	ormatio	on Compa	artment: 2	Entry	Year: 2012
S t	Cover Type-	Under Story-	A c		avg.					er descrip	nt Packets Gloss tions and code c	sary of Terms" do lefinitions.	ocument lin	k on web site
a n d	Size Dnsty	Stkng Level	r e s	Age	D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
47	A 6	М З	22	43	10	120	70	aspen (upland)	mature	Ν	final harvest	within 0-9 year	s 1	
com		dian with retai man : leave	neter rese ned agen e mat	and 3: rves. after h nent ob	5 ft tal Leave arvest ojectiv pena c	ll. Sca a coup , advar e (acce	ttered ble retended und ble retended und ble ble ble ble ble ble ble ble ble ble	years old. Tall, strai, spruce and balsam. ention pockets, not in nderstory, even with e species mix) of asp ifer in retention pocl	Stand was cut p ndividual trees f a 2 inch spec o en, maple, with	oreviously for retenti n hardwoo a compor	as sale #12-196 on. Stand will h ods. Manageme nent of spruce ar	7 Prescribe stan have a fair amoun nt objective of a hd balsam.	d for treatr nt of hardw spen. Alte	nent, clearcut ood saplings rnate
49	M 9	and I M 3	large 66	aspen	14	90	70	northern hardwood	unevenaged	N		10-19 years	0	
com	nts Fmd							cker River Hardwoo y tall heights. Reger						igh quality
50	M 9	М 3	9		16	130	70	northern hardwood	unevenaged	Y		10-19 years	0	
com			ater o	quality/	'bmps		er Rive	er, 150 feet west side	, between road	and river	east side.			
51	M 9	М 3	4		14	120	70	northern hardwood	unevenaged	Y		10-19 years	0	
			ater o	quality/	'bmps	<u>rs:</u> ysical	obstac	le						
com	nts Fmd Wld	to ge			ity site	e. Harv	vest so	ome big trees to creat	e regen gaps. H	Excellent	quality stand. H	owever you have	e to cross tl	ne sucker river
52	A 6	М 3	28	28	8	80	75	aspen (upland)	immature	N		20-29 years	0	
com	nts Fmd		-	tand o of A4/2	-	ng, imn	nature	aspen. TSI done mi	ddle to late 80s	. Pockets	of slightly olde	r aspen. Good q	uality map	le mixed in.
53	M 6	М 3	20	49	9	80	65	northern hardwood	immature	Ν		20-29 years	0	
com	nts Fmd							tion of aspen clones aps and small poles a			d saplings. This	s is a quality har	d maple sit	e. It will take
448	G 0	G 0	2		_	0		grass	nonstocked	Ν		10-19 years	0	
com	nts Fmd	: old g	grass	openi	ng, se	ems sta	able							

Total Acres..... 2110