



**Newberry Forest Management Unit  
Compartment Review Presentation  
Compartment 77      Entry Year: 2012  
Compartment Acreage: 1515      County: Luce**

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**Revision Date:** 9/23/2010

**Stand Examiner:** Tori Irving

**Legal Description:** T47N R8W Section 4-6

**Identified Planning Goals ('Management Area' or 'RMU', if applicable):**

Charcoal Grade Management Area

**Management Goals:**

Timber, wildlife, recreation, and fisheries are the main uses of this area. The goal is to manage for all of these simultaneously and to provide, enhance and perpetuate their uses through proper management. Forest treatments prescribed will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat.

**Soil and Topography:**

The soil types in this compartment include: Wallace Sand, Hendrie-Annianias complex, Carbondale-Luption-Tawas, Zandi silt, Tawas-Spot-Finch, and Paquin Spot Complex. The compartment is mostly low ground with some ridges occurring throughout the landscape.

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

There is a private parcel in the middle of the compartment boundary just west of the Charcoal Grade. There is another private parcel in Section 6. The surrounding ownership is both state and private.

**Unique, Natural Features:**

Michigan Natural Features Inventory (MNFI) lists potential for red-shouldered hawk, goshawk, great blue heron rookery, eagle, and osprey. Potential for moose and wolf and potential for wood turtle.

**Archeological, Historical, and Cultural Features:**

There is evidence of archeological sites in this compartment.

**Special Management Designations or Considerations:**

None at this time.

**Watershed and Fisheries Considerations:**

Moderate. Both Savage and Penny Creeks are classified Type 1 for natural brook trout. Even so, their close proximity to the Tahquamenon River, which is not trout water, may allow some pike, muskies, or walleyes seasonal into this section of stream. The Tahquamenon River draws people from other continents, who especially target the muskies.

**Wildlife Habitat Considerations:** **Compartment 77** lies in the central portion of Luce county and is in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The compartment is comprised generally of mixed swamp conifer with lowland hardwoods and a few ridges of northern hardwoods with numerous streams throughout the compartment. The compartment lies in the Hulbert deer yard which

supports high numbers of deer during stressful winter periods. Stand diversity is generally quite high. Wildlife objectives will seek to maintain that diversity. The compartment is heavily used for hunting recreation.

Some large aspen will be retained in harvested stands for future softwood snags and many stands will retain large white pine as a component. Hardwood stands are likely to contain vernal pools which will be protected during harvest operations to preserve wetland wildlife habitat. Potential raptor nest trees will be left in harvested stands and travel corridors along streams and drainages will be preserved during harvest. White-tailed deer, black bear, fisher, marten, coyotes, gray wolves, ruffed grouse, woodcock, and snowshoe hare are expected to use this compartment.

**Mineral Resource and Development Concerns and/or Restrictions:**

Surface sediments consist of lacustrine (lake) sand and gravel and minor peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River and Prairie du Chien Formations subcrop below the glacial drift. These formations are used for stone/dolomite. Gravel pits are located two miles to the north, and potential appears to be limited. There is no economic oil and gas production in the UP.

**Vehicle Access:**

The compartment is accessed by the Charcoal Grade. During the winter months, it is only accessible by snowmobile.

**Survey Needs:**

There are no known corners in the Charcoal Grade area. The proposed treatments in the area will not require any confirmation of private property lines.

**Recreational Facilities and Opportunities:**

The Charcoal Grade is part of the snowmobile trail in the winter and is heavily used.

**Fire Protection:** Large fire growth potential will be low because of lowland cover types. Risk to private properties would be low. Modified suppression tactics may need to be used because of the operability of heavy equipment in the lowland cover types.

**Additional Compartment Information:**

None at this time.

- **The following reports from the Inventory are attached:**
  - ◆ **Total Acres by Cover Type and Age Class**
  - ◆ **Proposed Treatment Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  - ◆ **Stand Details (Forested and Nonforested)**
  - ◆ **Dedicated and Proposed Special Conservation Areas**
  
- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - ◆ **Base feature information, stand boundaries, cover types, and numbers**
  - ◆ **Proposed treatments**
  - ◆ **Details on the road access system**

# Cover Type & Treatment Map

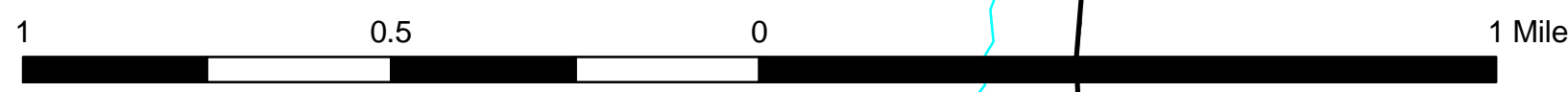
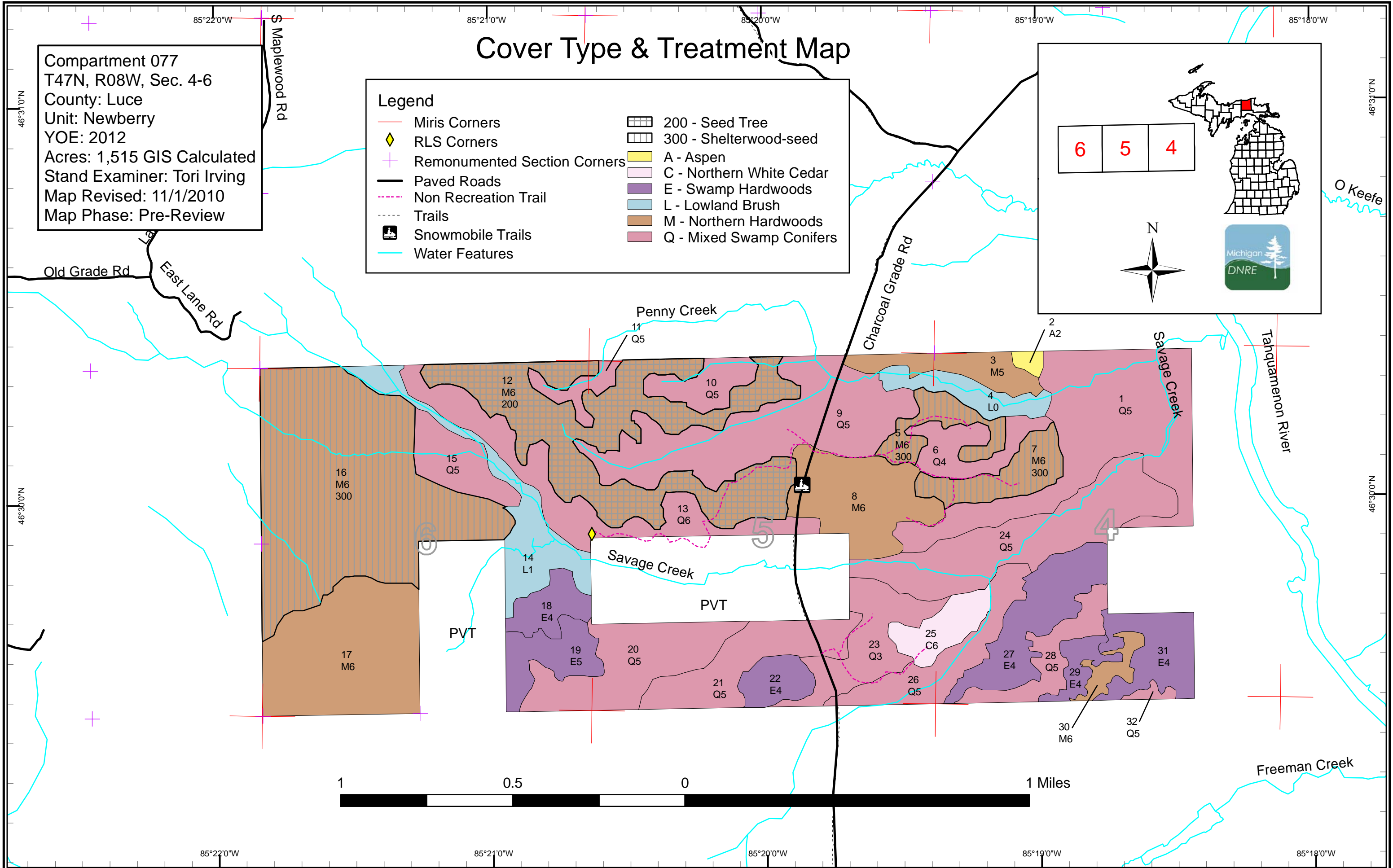
Compartment 077  
 T47N, R08W, Sec. 4-6  
 County: Luce  
 Unit: Newberry  
 YOE: 2012  
 Acres: 1,515 GIS Calculated  
 Stand Examiner: Tori Irving  
 Map Revised: 11/1/2010  
 Map Phase: Pre-Review

**Legend**

	Miris Corners		200 - Seed Tree
	RLS Corners		300 - Shelterwood-seed
	Remonumented Section Corners		A - Aspen
	Paved Roads		C - Northern White Cedar
	Non Recreation Trail		E - Swamp Hardwoods
	Trails		L - Lowland Brush
	Snowmobile Trails		M - Northern Hardwoods
	Water Features		Q - Mixed Swamp Conifers

6 5 4

N



# Stand Boundary Map

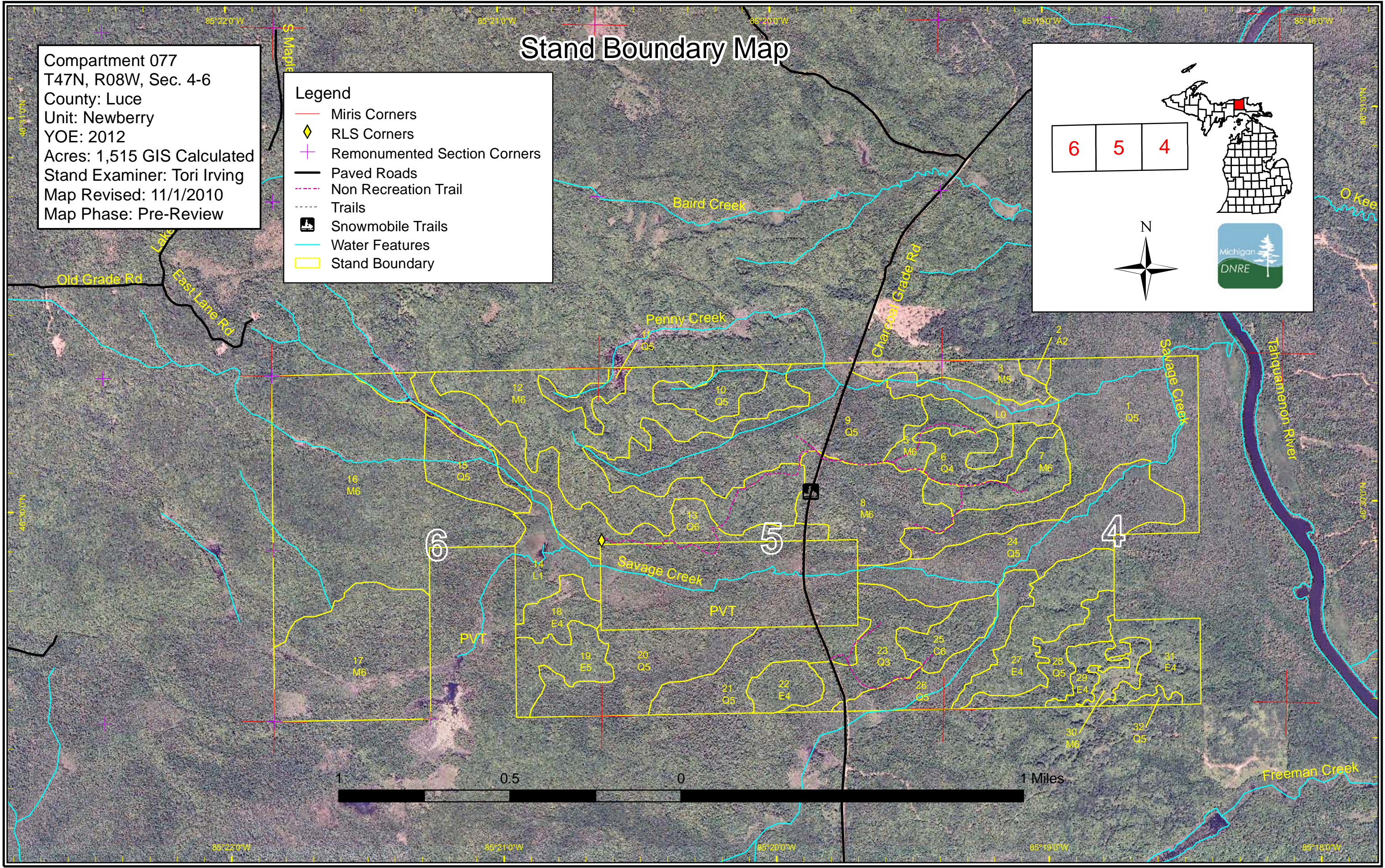
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- Legend**
- Miris Corners
  - RLS Corners
  - Remonumented Section Corners
  - Paved Roads
  - Non Recreation Trail
  - Trails
  - Snowmobile Trails
  - Water Features
  - Stand Boundary

6 5 4

N

Michigan DNR

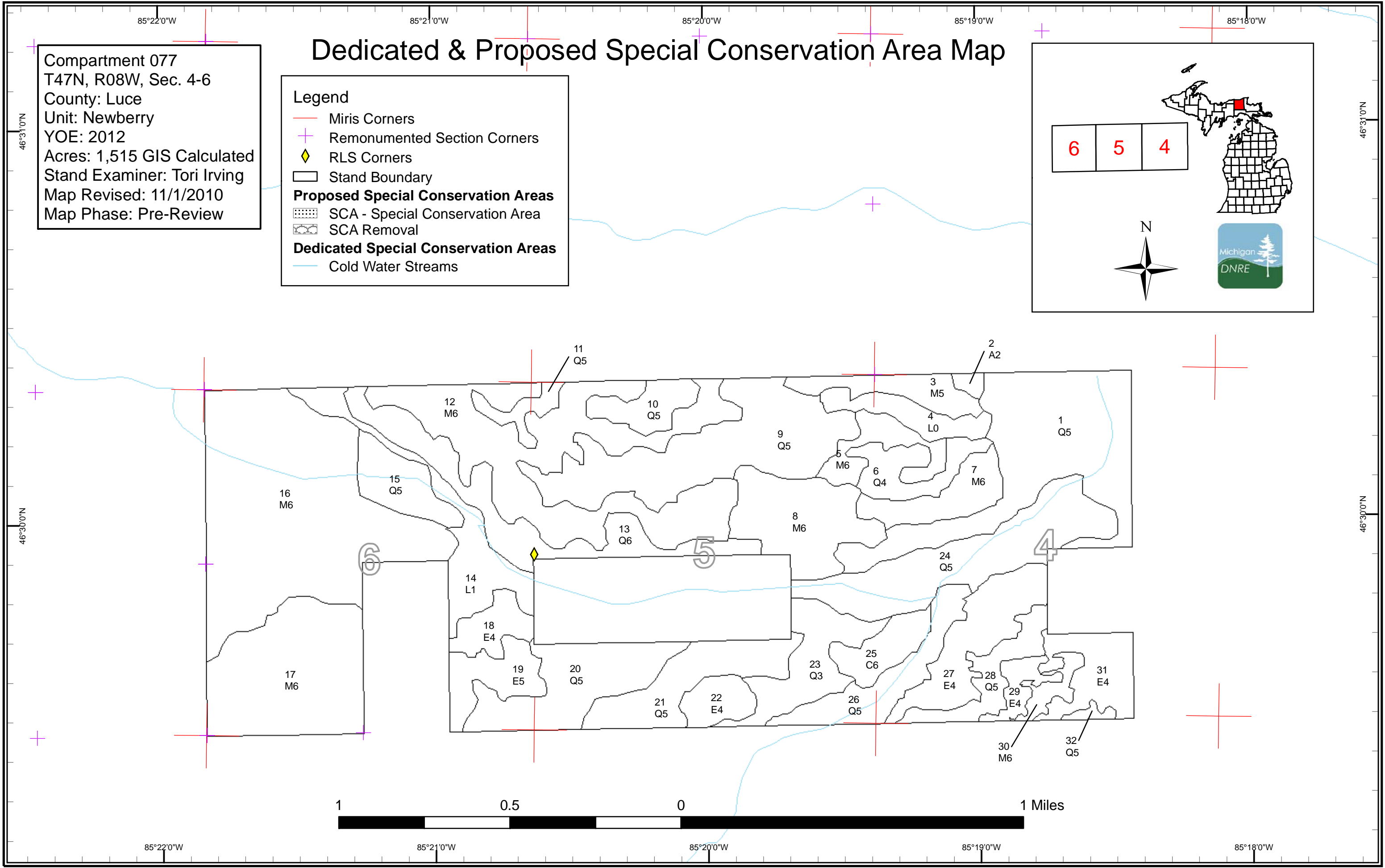


# Dedicated & Proposed Special Conservation Area Map

Compartment 077  
 T47N, R08W, Sec. 4-6  
 County: Luce  
 Unit: Newberry  
 YOE: 2012  
 Acres: 1,515 GIS Calculated  
 Stand Examiner: Tori Irving  
 Map Revised: 11/1/2010  
 Map Phase: Pre-Review

**Legend**

- Miris Corners
- + Remonumented Section Corners
- ◆ RLS Corners
- Stand Boundary
- Proposed Special Conservation Areas**
- SCA - Special Conservation Area
- SCA Removal
- Dedicated Special Conservation Areas**
- Cold Water Streams



11/01/2010 11:04:28 AM

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

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: 77

Table 3

(acres shown in boxes)

STAND AGE 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		3																	3
Cedar										21									21
Lowlnd Brush	21																	45	66
Mx Swmp Cnfr					62			25		139		125						323	674
Swamp Hrdwds										127								26	153
Upland Hdwds		24			59													515	598
<b>Total</b>	21	27			121			25		287		125						909	1515

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: **77**

**Table 3A**

(acres shown in boxes)

**MANAGEMENT OBJECTIVE TYPE**

<b>COVER TYPE</b>	<b>A</b>	<b>S</b>	<b>V</b>	<b>C</b>	<b>G</b>	<b>H</b>	<b>J</b>	<b>I</b>	<b>L</b>	<b>P</b>	<b>N</b>	<b>Q</b>	<b>X</b>	<b>O</b>	<b>B</b>	<b>R</b>	<b>K</b>	<b>Y</b>	<b>F</b>	<b>E</b>	<b>T</b>	<b>D</b>	<b>U</b>	<b>M</b>	<b>Z</b>	<b>W</b>	<b>Total</b>
A Aspen	3																										3
C Cedar				21																							21
L Lowlnd Brush									66																		66
Q Mx Swmp Cnfr												674															674
E Swmp Hrdwds																				153							153
M Upland Hdwds																			207					391			598
<b>Total</b>	3			21					66			674							207	153				391			1515

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: **77**

**Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	15201 Cds	Hardwood	7421 Cds
Hardwood	89 Mbf	Hardwood	88 Mbf
Softwood	6345 Cds	Sum CutVol	7597 Cds
Sum TotVol	21724 Cds		
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	404
1515		Acres Meeting Silv Criteria.....	515
		Acres Not Meeting Silv Criteria.....	1000
		Acres Unable to Determine Silv Criteria For.....	



**NEWBERRY FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 77**

**Entry Year: 2012**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
<b>5</b>	<b>M6</b>	22	0	60	NORTHERN HARDWOOD	LOW QUALITY	SHELTERWOOD-SEED	1		
<p>comnts Fmd : This stand has large aspen, balsam fir, patches of sugar maple, and occasional white spruce. There is some sapling sized yellow birch and ironwood scattered in the stand. The maple on this site is not very good quality. Remove red maple, sugar maple, balsam fir, and aspen. Leave large canopy white spruce and all yellow birch. Acceptable species includes any mix of northern hardwood species with a component of mixed conifer species.</p> <p>Wld : leave a few trees with forks/crotches up high, greater than half way up for hawk nests.try to protect the cedar regen on the edges.No cutting in October/November so we don't draw and hold deer in here.</p>										
<b>7</b>	<b>M6</b>	28	0	60	NORTHERN HARDWOOD	LOW QUALITY	SHELTERWOOD-SEED	1		
<p>comnts Fmd : This stand has large aspen, balsam fir, patches of sugar maple, and occasional white spruce. There is some sapling sized yellow birch and ironwood scattered in the stand. The maple on this site is not very good quality. Remove red maple, sugar maple, balsam fir, and aspen. Leave large canopy white spruce and all yellow birch. Acceptable species includes any mix of northern hardwood species with a component of mixed conifer species.</p> <p>Wld : leave a few trees with forks/crotches up high, greater than half way up for hawk nests.Leave a few large aspen for grouse winter feeding sites. Try to protect the cedar regen on the edges. No cutting in October/November so we don't draw and hold deer in here.</p>										
<b>12</b>	<b>M6</b>	147	0	60	NORTHERN HARDWOOD	MATURE	SEED TREE	1		
<p>comnts Fmd : Stand contains helock, white spruce, cedar, red maple, and scattered yellow birch. Some of the red maple is large and old. The stand is suppressed and is not longer productive. There is some red maple regeneration present. Treat with a seed tree cutting and leave 30-40 BA. Treat stands 49, 26, and 32 from Compartment 50 with this stand. Acceptable species includes any mix of northern hardwood species with a component of mixed conifer species.</p> <p>Wld : retain a componetn of the large white pine for hawk/owl nest sites. Retain hemlock, especially in small groupings for roosting and nesting sites for owls and warblers and for cover and food for deer. Watch for vernal pools in the eastern part fo the stand. Leave a yellow birch component for future soft snags for use by chickadees and woodpeckers and for food sources for grouse and cedar waxwings. Likely site for raptor nests so also please leave some trees with crotches/forks up high (greater that half way). No cutting in October/November so we don't draw and hold deer in here.</p>										
<b>Total Acres.....</b>		<b>197</b>								

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
16	M6	207	0	50	SPRUCE-FIR (UPLANDS-INCLUDING UPLAND BLACK SPRUCE)	UNEVENAGE D	SHELTERWOOD-SEED	3		

TREATMENT LIMITING FACTORS: Bridge needed (portable bridge not available or inadequate)  
 Road needed (resources not presently available)  
 Too wet  
 Land survey needed

comnts Fmd : Seedling and sapling sized beech is present in the understory. There is some supercanopy white pine present, low quality hardwoods with small diameters, scattered spruce and hemlock. There are some snags scattered throughout the stand as well. There is some evidence of water along the edge of the stand. Shelterwood stand leaving all hemlock and spruce. Has to be a winter cut. Acceptable species includes any mix of northern hardwood species with a component of mixed conifer species.

Wld : leave super canopy white pine trees for nesting sites for owls and for bears. Leave hemlock and a mix of conifers for warbler nesting sites and for owl roosting/nesting sites and for cover for deer. Northern hardwood forests with coniferous components benefit many species including norther flying squirrel and red tail hawks. Leave some large beech for future woody debris for travel cover for small mammals and amphibians and feeding sites for marten, bear, owls and snakes.

**Total Acres..... 207**

\* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	Tot. BA								
1	Q 5	Q 3	125	107	8	40	35	mixed swamp conifer	immature	Y		40-49 years	0	
<p><u>Treatment Limiting Factors:</u>                      Too wet                      Inferior quality</p> <p>comnts Fmd : The stand is sap/pole sized mix conifer types. It borders the Penny Creek Mix (028-03-01, Complete 10/18/07). There are some super canopy, sawlog size/quality white pine.</p>														
2	A 2	A 0	3	3	1	0	80	aspen (upland)	immature	N		60-69 years	0	
<p>comnts Fmd : This stand is full of small diameter (1-2inch diameter) aspen whips approximately 3-5 feet tall. ***Stand harvested as "Penny Creek Mix", sale #028-03-01. Completed 10/18/07. Regen check in 2011.</p>														
3	M 5	A 3	24	3	6	40	60	northern hardwood	in process of regeneration	N		50-59 years	0	
<p>comnts Fmd : There are a lot of wet areas in the stand. There is some evidence of cattails and patches of open water. The overstory includes pole sized red maple. There is some understory regeneration of red maple and aspen. ***Stand harvested as "Penny Creek Mix", sale #028-03-01. Completed 10/18/07. Regen check needed in 2011.</p>														
4	L 0	L 0	21		0	0	35	lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Wet, swampy area.</p>														
5	M 6	M 2	22		9	80	60	northern hardwood	low quality	N	shelterwood-seed	within 0-9 years	1	
<p>comnts Fmd : This stand has large aspen, balsam fir, patches of sugar maple, and occasional white spruce. There is some sapling sized yellow birch and ironwood scattered in the stand. The maple on this site is not very good quality. Remove red maple, sugar maple, balsam fir, and aspen. Leave large canopy white spruce and all yellow birch. Acceptable species includes any mix of northern hardwood species with a component of mixed conifer species.</p> <p>Wld : leave a few trees with forks/crotches up high, greater than half way up for hawk nests.try to protect the cedar regen on the edges.No cutting in October/November so we don't draw and hold deer in here.</p>														
6	Q 4	M 3	25	65	8	30	60	mixed swamp conifer	low quality	N		30-39 years	0	
<p>comnts Fmd : Small Q-type area surrounded by low quality hardwoods. Some cedar pockets with spruce and other low quality trees. There is some aspen and balsam fir present.</p>														
7	M 6	M 2	28		9	80	60	northern hardwood	low quality	N	shelterwood-seed	within 0-9 years	1	
<p>comnts Fmd : This stand has large aspen, balsam fir, patches of sugar maple, and occasional white spruce. There is some sapling sized yellow birch and ironwood scattered in the stand. The maple on this site is not very good quality. Remove red maple, sugar maple, balsam fir, and aspen. Leave large canopy white spruce and all yellow birch. Acceptable species includes any mix of northern hardwood species with a component of mixed conifer species.</p> <p>Wld : leave a few trees with forks/crotches up high, greater than half way up for hawk nests.Leave a few large aspen for grouse winter feeding sites. Try to protect the cedar regen on the edges. No cutting in October/November so we don't draw and hold deer in here.</p>														
8	M 6	M 3	59	36	7	70	70	northern hardwood	two aged	N		40-49 years	0	
<p>comnts Fmd : The understory of this stand is thick with white spruce and red maple. The east side of the stand is bordered by the snowmobile trail and is a little more upland than the rest of the area. This side has some yellow birch scattered along the edges. The north side of the stand is heavier to spruce and has some pockets of sawlog sized white pine and spruce.</p>														
9	Q 5	Q 2	108	87	8	50	30	mixed swamp conifer	immature	Y		20-29 years	0	
<p>comnts Fmd : Stand is really wet, especially around the Charcoal Grade. Branches of the Penny Creek run through the stand. It is a low quality stand and it has sparse canopy cover in some areas. There is some cedar regeneration present.</p>														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
10	Q 5	Q 2	20	87	8	50	30	mixed swamp conifer	immature	Y		20-29 years	0	
comnts Fmd : Stand is really wet and some areas are full of tag alder. Branches of the Penny Creek run through the stand. It is a low quality stand and it has sparse canopy cover in some areas. There is some cedar regeneration present.														
11	Q 5	Q 2	11	87	8	50	30	mixed swamp conifer	immature	Y		20-29 years	0	
comnts Fmd : Stand is really wet, especially around the Charcoal Grade. Branches of the Penny Creek run through the stand. It is a low quality stand and it has sparse canopy cover in some areas. There is some cedar regeneration present.														
12	M 6	F 3	147		10	120	60	northern hardwood	mature	Y	seed tree	within 0-9 years	1	
comnts Fmd : Stand contains helock, white spruce, cedar, red maple, and scattered yellow birch. Some of the red maple is large and old. The stand is supressed and is not longer productive. There is some red maple regeration present. Treat with a seed tree cutting and leave 30-40 BA. Treat stands 49, 26, and 32 from Compartment 50 with this stand. Acceptable species includes any mix of northern hardwood species with a component of mixed conifer species.														
Wld : retain a componetn of the large white pine for hawk/owl nest sites. Retain hemlock, especially in small groupings for roosting and nesting sites for owls and warblers and for cover and food for deer. Watch for vernal pools in the eastern part fo the stand. Leave a yellow birch component for future soft snags for use by chickadees and woodpeckers and for food sources for grouse and cedar waxwings. Likely site for raptor nests so also please leave some trees with crotches/forks up high (greater that half way). No cutting in October/November so we don't draw and hold deer in here.														
13	Q 6	S 2	62	36	8	110	70	mixed swamp conifer	low quality	N		20-29 years	0	
comnts Fmd : Lowland, hummocky ground with very low quality trees. There are scattered hardwood pockets in this stand. There are some cedar that have been windthrown. This area is is flooded and very wet. It is part of the Savage Creek drainage area. Other specis present include black spruce, black ash, yellow birch, and a lot to tag alder.														
14	L 1	L 1	45		4	0	30	lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Stand is full of tag alder and is in the drainage area of Savage Creek. There are some Q and C-types scattered on the north and south edges of the stand. Found an otter slide and tracks near the creek.														
15	Q 5	Q 2	28		8	40	35	mixed swamp conifer	immature	N		not scheduled	0	
comnts Fmd : This is an all-aged, lowland stand with good species diversity. The understory contains blasam fir, red maple, and black ash. There are some scattered pockets of log and pole sized hemlock and yellow birch. There are some seedling/sapling sized beech pockets scattered throughout the area (all stems that were checked has evidence of BBD). Other species include white pine and black spruce.														
16	M 6	F 3	207		8	80	50	spruce-fir (uplands- including upland black spruce)	unevenaged	N	shelterwood- seed	within 0-9 years	3	

Treatment Limiting Factors:

- Bridge needed (portable bridge not available or inadequate)
- Road needed (resources not presently available)
- Too wet
- Land survey needed

comnts Fmd : Seedling and sapling sized beech is present in the understory. There is some supercanopy white pine present, low quality hardwoods with small diameters, scattered spruce and hemlock. There are some snags scattered throughout the stand as well. There is some evidence of water along the edge of the stand. Shelterwood stand leaving all hemlock and spruce. Has to be a winter cut. Acceptable species includes any mix of northern hardwood species with a component of mixed conifer species.

Wld : leave super canopy white pine trees for nesting sites for owls and for bears. Leave hemlock and a mix of conifers for warbler nesting sites and for owl roosting/nesting sites and for cover for deer. Northern hardwood forests with coniferous components benefit many species including norther flying squirrel and red tail hawks. Leave some large beech for future woody debris for travel cover for small mammals and amphibians and feeding sites for marten, bear, owls and snakes.

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
17	M 6	M 1	101		9	80	60	northern hardwood	unevenaged	N		10-19 years	0	
comnts Fmd : Site quality is sufficient to produce a quality stand in the future. Cut in ten years. Trees need to gain some more height.														
18	E 4	Q 3	18	87	8	30	30	swamp hardwoods	low quality	Y		40-49 years	0	
comnts Fmd : Trees are scattered and there is not a lot of timber in this stand. There was also scattered aspen through the stand.														
19	E 5	Q 3	26		8	40	50	swamp hardwoods	immature	N		30-39 years	0	
comnts Fmd : Low swale or drain. Scattered timber. Reproducing from spruce budworm kill in late 1970s. If stand is treated, it will need survey work because it is surrounded by private property. If ever treated, stand would need survey work.														
20	Q 5	S 2	58		8	40	35	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Stand has overstory white pine, spruce, hemlock, tamarack, aspen, and some scattered pockets of red maple. This area is flooded by beaver activity. There are scattered pockets of wet areas with tag alders. There was standing water in some area. Stand doesn't look like it will support a whole lot of quality regeneration.														
21	Q 5	S 2	46		8	40	35	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Stand has overstory white pine, spruce, hemlock, tamarack, aspen, and some scattered pockets of red maple. This area is flooded by beaver activity. There are scattered pockets of wet areas with tag alders. There was standing water in some area. Stand doesn't look like it will support a whole lot of quality regeneration.														
22	E 4	Q 3	16	87	8	30	30	swamp hardwoods	low quality	Y		40-49 years	0	
comnts Fmd :														
23	Q 3	Q 1	41		4	0	30	mixed swamp conifer	in process of regeneration	N		60-69 years	0	
comnts Fmd : There are sparsely scattered hemlock, cedar, and balsam fir scattered through the stand.														
24	Q 5	Q 1	85		8	50	35	mixed swamp conifer	immature	N		20-29 years	0	
comnts Fmd : Good reproduction in the site. This stand is a low area and has a heavier spruce component. The quality of the site is fair but needs more volume accumulation before any harvesting takes place.														
25	C 6	Q 3	21	87	9	90	30	cedar	immature	N		10-19 years	0	
comnts Fmd : Stand has management by beavers. This is a stand of fair quality and volume.														
26	Q 5	S 2	37		8	40	35	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Stand has overstory white pine, spruce, hemlock, tamarack, aspen, and some scattered pockets of red maple. This area is flooded by beaver activity. There are scattered pockets of wet areas with tag alders. There was standing water in some area. Stand doesn't look like it will support a whole lot of quality regeneration.														
27	E 4	Q 3	48	87	8	30	30	swamp hardwoods	low quality	Y		40-49 years	0	
comnts Fmd : Trees are scattered and there is not a lot of timber in this stand. There was also scattered aspen through the stand.														
28	Q 5	Q 1	25		8	50	35	mixed swamp conifer	immature	N		20-29 years	0	
comnts Fmd : Good reproduction in the site. This stand is a low area and has a heavier spruce component. The quality of the site is fair but needs more volume accumulation before any harvesting takes place.														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
29	E 4	Q 3	12	87	8	30	30	swamp hardwoods	low quality	Y		40-49 years	0	
comnts Fmd : Trees are scattered and there is not a lot of timber in this stand. There was also scattered aspen through the stand.														
30	M 6	F 3	10		10	110	60	northern hardwood	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Land survey needed														
Potential or designated old growth														
comnts Fmd : This stand contains many red maple sawlogs. Best quality tree for site is yellow birch, white pine, and white spruce. Save seed source for these species and create large reproduction gaps. Summer logging would help reproduce these species as well. Harvest yellow birch that are sawlog size. Stand was prescribed but designated potential old growth at the review. Previous SCA-POG designation will be removed at compartment review. This stand does not show the characteristics of old growth and has been cut in the past.														
Wld : maintain some sawlog yellow birch for wildlife trees														
31	E 4	Q 3	33	87	8	30	30	swamp hardwoods	low quality	N		40-49 years	0	
comnts Fmd : Trees are scattered and there is not a lot of timber in this stand. There was also scattered aspen through the stand.														
32	Q 5	Q 1	3		8	50	35	mixed swamp conifer	immature	N		20-29 years	0	
comnts Fmd : Good reproduction in the site. This stand is a low area and has a heavier spruce component. The quality of the site is fair but needs more volume accumulation before any harvesting takes place.														
<b>Total Acres..... 1515</b>														