



**Newberry Forest Management Unit
Compartment Review Presentation
Compartment # 93 Entry Year: 2012
Compartment Acreage: 3096 County: Luce**

Revision Date: 9/21/10

Stand Examiner: Keith Magnusson

Legal Description: T46N R12W Sections 20, 21, 28, 29, 32, 33 & 34

Identified Planning Goals ('Management Area' or 'RMU'): This compartment is located within the Danaher/Kingston Outwash Management Area. More information about this management area can be obtained at the following web site:

http://www.midnr.com/publications/pdfs/forestslandwater/Ecosystem/EUP/final-MAsummaries/08_Danaher_Kingston_Outwash_MA_Summary.pdf

Management Goals: To maintain forest health, diversity and sustainability while considering wildlife, fisheries, recreation and environmental needs and concerns.

Soil and Topography: The compartment is predominately sandy outwash plains where the topography is level to slightly rolling. There are some steep sand banks along the Tahquamenon River.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is entirely State owned land as well as the adjacent land to the south and west. The land the north and east is a privately owned with a majority of that being commercial forest land. Many of the individually owned private land parcels have cabins on them and are primarily used for recreation. The State land in this area has been historically managed for timber production as well as providing habitat for wildlife. It has also provided opportunities for recreational activities such as hunting, fishing, snowmobiling, ORV riding, wildlife viewing and berry picking.

Unique, Natural Features: Michigan Natural Features Inventory lists the potential for sharp-tailed grouse, eagle, goshawk, great blue heron rookery and osprey. Also listed is the potential for moose and wolf. In addition 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 panicked screwstem in bogs and open wetlands.

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations: This compartment contains a portion of the Tahquamenon River corridor. Follow BMP guidelines if treatments are adjacent to the river corridor.

Watershed and Fisheries Considerations:

Excellent. This portion of the Tahquamenon River is very high quality trout water Type 1 trout stream. We have stopped stocking brook trout, due to the tremendous amount of observed natural reproduction. Its problem had been the tremendous sand bedload, which filled in all the deep holes, leaving mostly 6-inch deep "sheet flows" across pure sand, that warmed the water, and provided no shelter areas for adult trout. An extensive Fisheries effort in the early 2000s enhanced the habitat in the whole stretch of river. Previously eroding sand banks are now high and dry, more gravel is exposed, sand has been relocated to backwater

areas, the channels are deeper, and deeper holes are now scoured under large downed trees that we left behind. People are catching good numbers of larger trout. This effort has been a great success.

Wildlife Habitat Considerations: Compartment 93 lies in west-central Luce county and is in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The compartment has a mixture of jack pine, aspen and red and white pine stands with more jack pine occurring in the western portion and more aspen in the eastern portion. The Taquamenon river runs through the compartment.

Wildlife objectives will be met by maintaining some large aspen, white pine and birch in jack pine harvests. Retained trees will maintain species diversity and serve as future soft snags and nest sites. Large oak trees will be prescribed to be planted in open grown portions of several stands. Wildlife species in the compartment include white-tailed deer, black bear, coyotes, gray wolves, ruffed grouse, and possibly Kirtland's warbler.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Ordovician Collingwood and Utica Shales subcrop below the glacial drift. There is not a current economic use for these formations. A gravel pit is located four and one-half miles to the north. Potential may be good in the compartment. There is no economic oil and gas production in the UP.

Vehicle Access: County Roads 421 and 475 are the main roads used to access the compartment. They are seasonally maintained by the County Road Commission and receive routine grading in the snow-free months. The Danaher Plains Road, McLeod Trail, Clarks Trail as well as several other sand two tracks offer further access into the compartment. They receive little to no maintenance.

Survey Needs: None at this time.

Recreational Facilities and Opportunities: There is a DNRE designated snowmobile trail traversing across the northern part of the compartment. Other opportunities that exist would be hunting, fishing, ORV riding, wildlife viewing and berry picking.

Fire Protection: The Seney Field Office is responsible for wildfire response to this area. The compartment is part of the Fox River Major Zone Dispatch Area. Potential for large fire growth would be high because of continuous Pine types. Risk to private properties could be high because of upland fuel types adjacent to private properties.

Additional Compartment Information: None

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

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

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

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

Covertime & Treatment Map

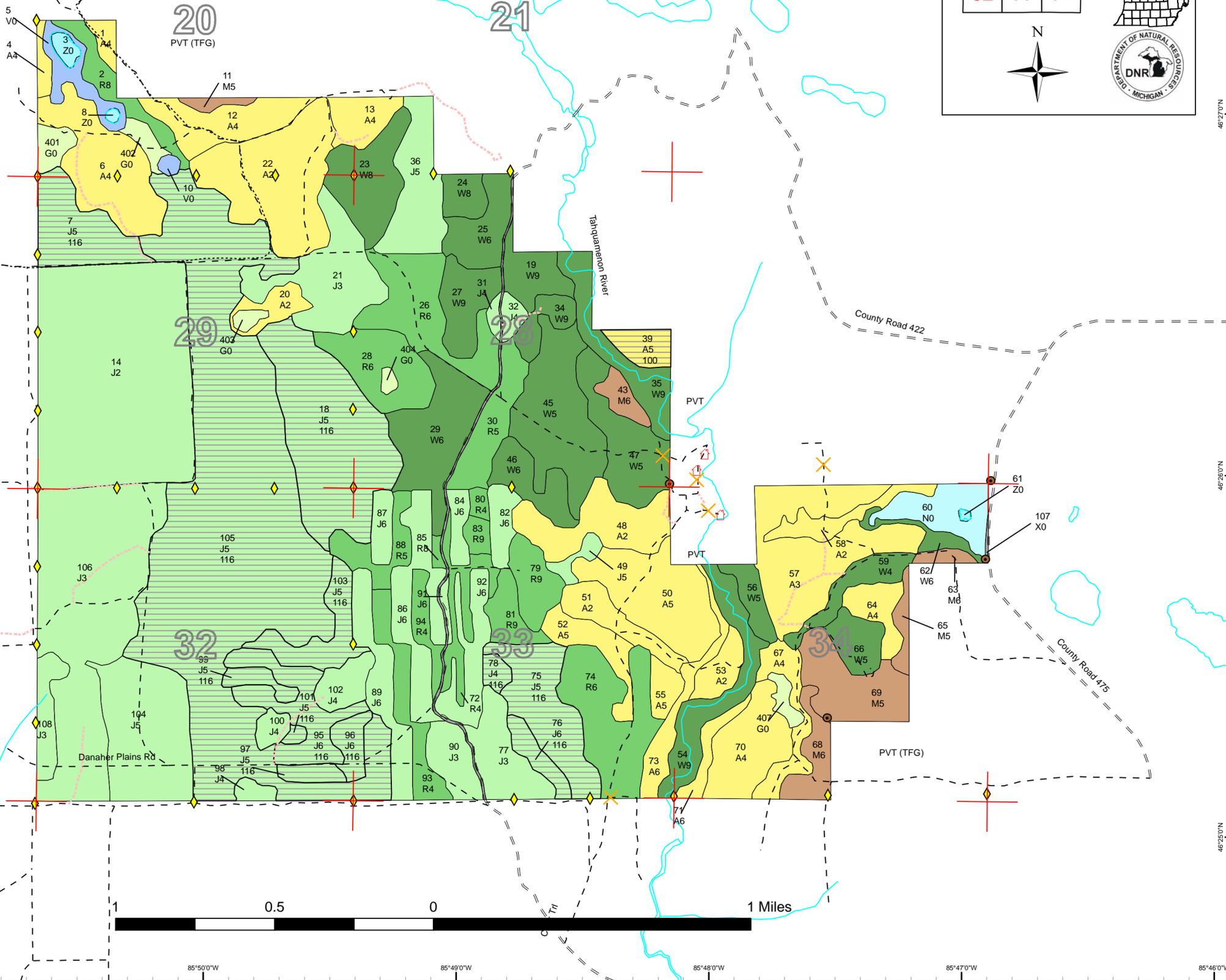
Compartment 093
 T47N, R12W, Sec. 20, 21, 28, 29, 32-34
 County: Luce
 Unit: Newberry
 YO: 2012
 Acres: 3,096 GIS Calculated
 Stand Examiner: Keith Magnusson
 Map Revised: 11/1/2010
 Map Phase: Pre-Review

20	21	
29	28	
32	33	34

N

Legend

- new093_labels_treat.dxf Polyline
- Miris Corners
- ✕ Gates
- ◆ RLS Corners
- ⬢ Structures
- Wood Post
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- ⚡ Snowmobile Trails
- Water Features
- Stand Boundary
- ▨ 100 - Final Harvest
- ▨ 116 - Final Harvest, Planting
- A - Aspen
- G - Grass
- J - Jack Pine
- M - Northern Hardwoods
- N - Marsh
- R - Red Pine
- V - Bog or Muskeg
- W - White Pine
- X - Non-Stocked
- Z - Water



Stand Boundary Map

Compartment 093
 T47N, R12W, Sec. 20, 21, 28, 29, 32-34
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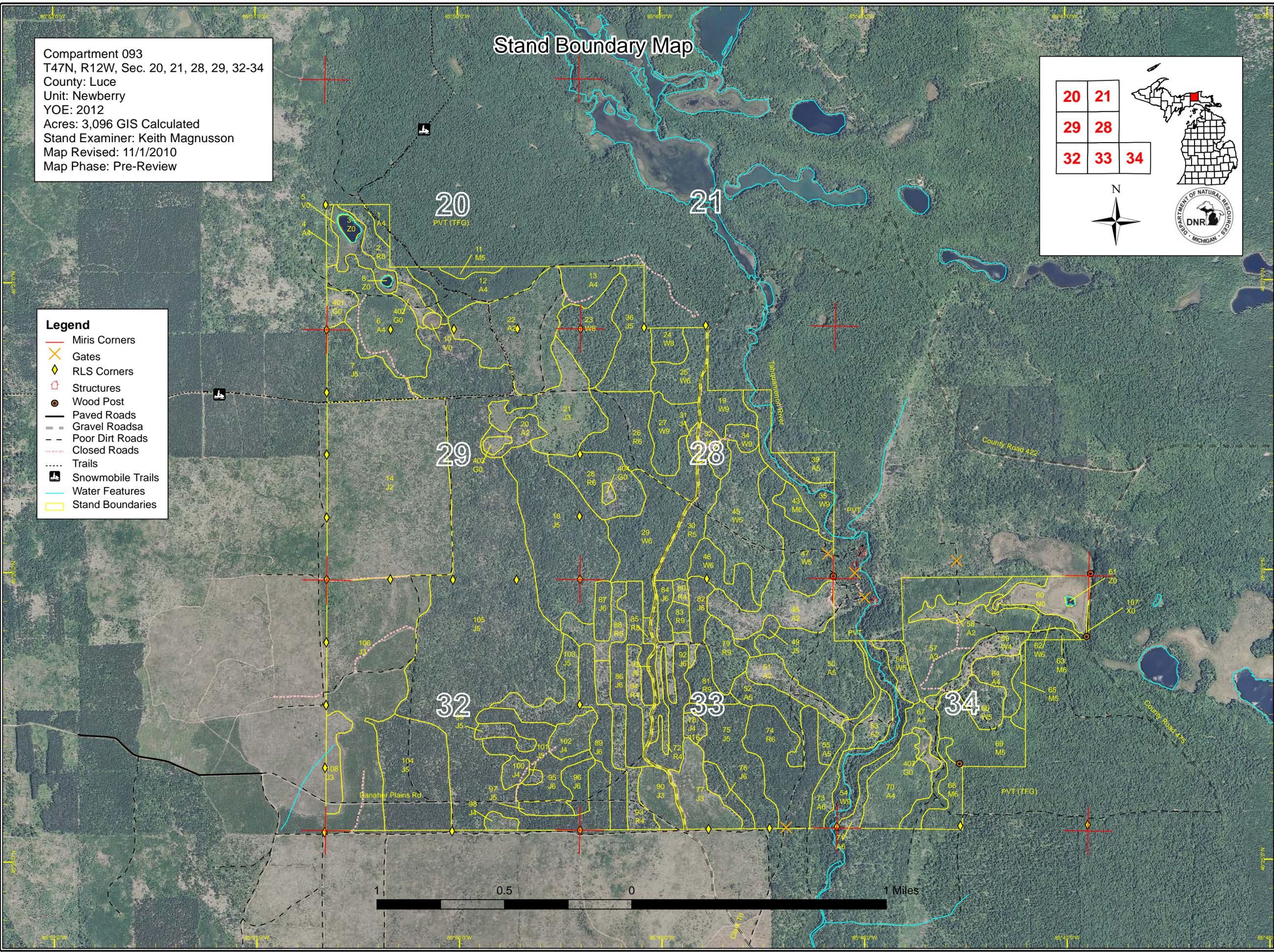


N




Legend

- Miris Corners
- X Gates
- ◆ RLS Corners
- Structures
- Wood Post
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Snowmobile Trails
- Water Features
- Stand Boundaries



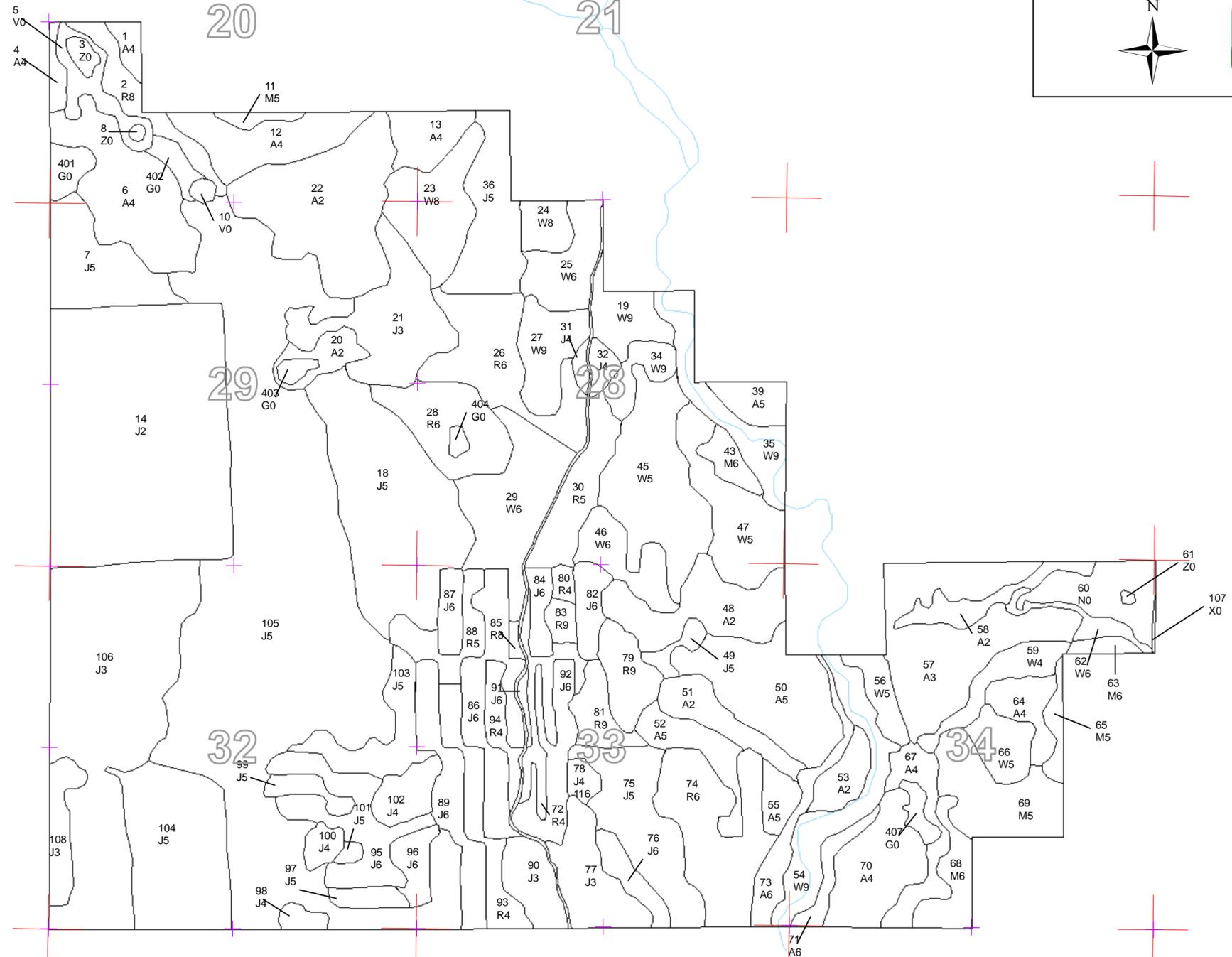
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 YOY: 2012
 Acres: 3,096 GIS Calculated
 Stand Examiner: Keith Magnusson
 Map Revised: 11/1/2010
 Map Phase: Pre-Review

Dedicated & Proposed Special Conservation Area Map

20	21	
29	28	
32	33	34

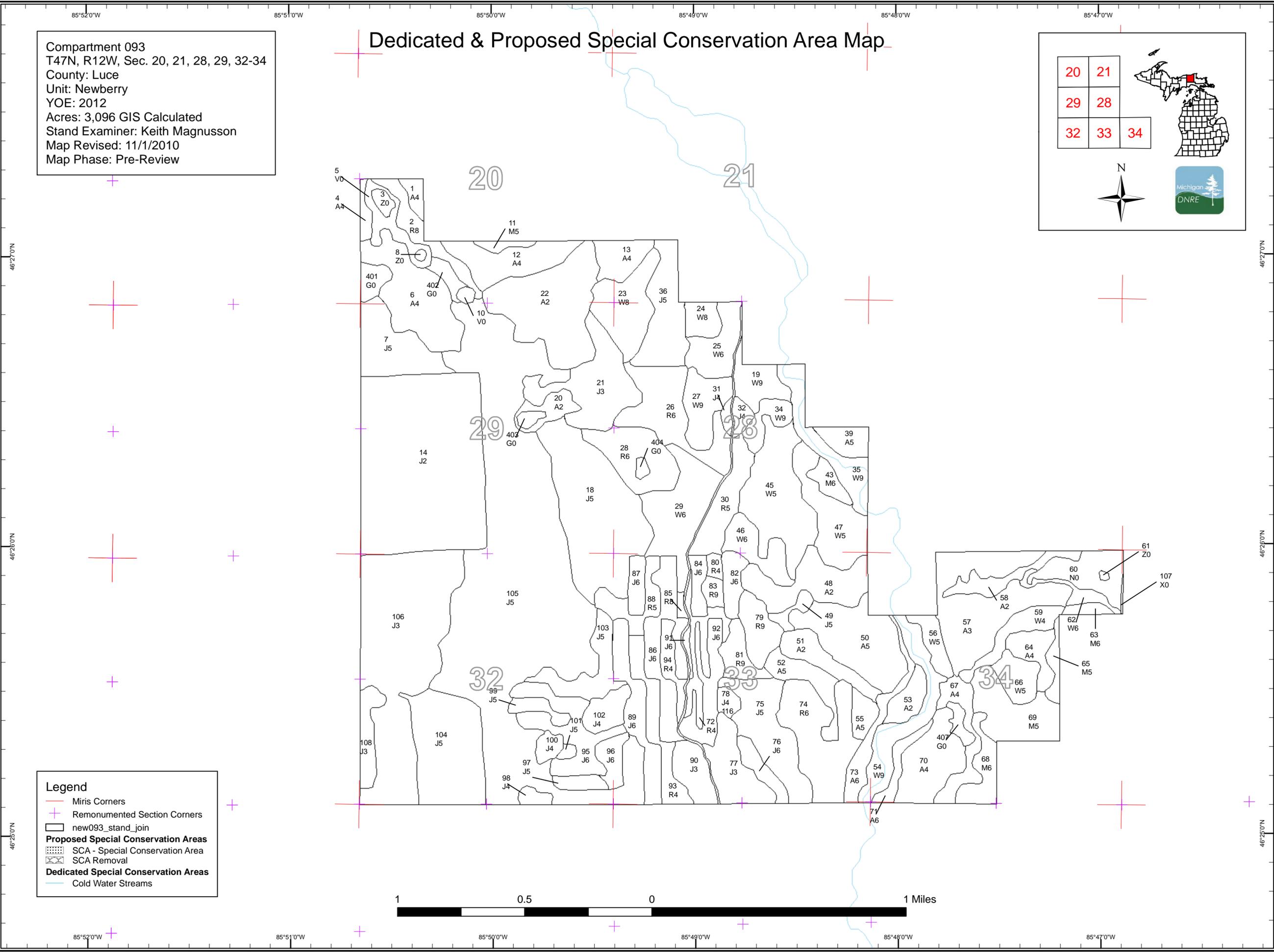
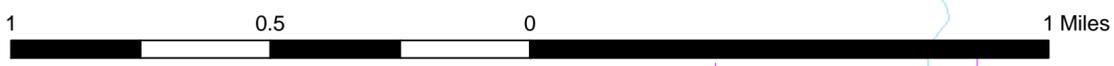


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Legend

- Miris Corners
- Remunented Section Corners
- new093_stand_join
- Proposed Special Conservation Areas**
 - SCA - Special Conservation Area
 - SCA Removal
- Dedicated Special Conservation Areas**
 - Cold Water Streams



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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: 93

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not												100-	110-	120-	130-	140-	150-	All	Total
	Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	109	119	129	139	149	159	Aged		
Aspen				376	38		154	30	13										611	
Bog or Marsh	18																		18	
Grass	27																		27	
Jack Pine		55	184	295	75		280	650											1539	
Marsh	28																		28	
Non Stocked	10																		10	
Red Pine							194			21								107	322	
Upland Hdwds				4					9									72	85	
Water	6																		6	
White Pine							26	38		13	40							333	450	
Total	89	55	184	675	113		654	718	22	34	40							512	3096	

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: 93

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	611																										611
V Bog or Marsh			18																								18
G Grass					27																						27
J Jack Pine							1539																				1539
N Marsh											28																28
X Non Stocked													10														10
R Red Pine																322											322
M Upland Hdwds																								85			85
Z Water																									6		6
W White Pine																										450	450
Total	611		18		27		1539				28		10			322								85	6	450	3096

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: **93**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	4788 Cds	Hardwood	1084 Cds
Hardwood	36 Mbf	Softwood	8400 Cds
Softwood	18461 Cds	Softwood	118 Mbf
Softwood	1665 Mbf	Sum CutVol	9720 Cds
Sum TotVol	26651 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	755
3096		Acres Meeting Silv Criteria.....	684
		Acres Not Meeting Silv Criteria.....	2412
		Acres Unable to Determine Silv Criteria For.....	

NEWBERRY FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 93

Entry Year: 2012

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
7	J5	41	59	50	JACK PINE	MATURE	FINAL HARVEST	1	PLANTING	
<p>comnts Fmd : Stand is mix of jack pine, red pine & aspen. Aspen is of poor quality. Jack pine has been attacked by jack pine bud worm, some mortality as well as damage to residual trees. Aspen prevails in understory with some scattered jack pine seeding in. Stand will likely need to be planted after treatment due to condition of standing jack pine. RP in stand is short and limby. Alternate MO of aspen, mixed RP/WP and oak is acceptable.</p> <p>Wld : leave a few aspen birch and large white pine.</p>										
18	J5	115	59	50	JACK PINE	MATURE	FINAL HARVEST	1	PLANTING	
<p>comnts Fmd : Stand is a mix of jack pine, red pine and aspen. Area was once planted to red pine and was essentially a failure, jack pine filled in the open areas. Some larger diameter RP present of natural origin. Aspen in stand is of poor quality. Jack pine in stand has been hit hard by bud worm a few years ago and mortality/damage is now evident. Approx 1/3 of the jack pine in the stand is impacted. Treat stand to harvest the remaining live trees, plant back to jack pine. Alternate MO of RP/WP, aspen or oak would be acceptable.</p> <p>Wld : leave some species for diversity, including some aspen, white pine and birch.</p>										
75	J5	50	62	50	JACK PINE	TWO AGED	FINAL HARVEST	2	PLANTING	
<p>comnts Fmd : Stand is a mix of jack pine, red pine, white pine and aspen. Most of the red pine here was underplanted in 1959. It is approx 25 - 30 years old and 4 sticks tall and about 9" DBH. Jack pine in stand has been attacked by JP budworm recently and there is mortality. Treat stand and remove all JP, aspen and most RP, leave W. Pine. Plant to JP. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : leave a couple larger aspen for cavity nesting birds and any trace species. leave any oak if it exists.</p>										
76	J6	11	62	50	JACK PINE	MATURE	FINAL HARVEST	2	PLANTING	
<p>comnts Fmd : Jack pine in stand has recently been attacked by JP budworm. Evidence of mortality. Treat stand and plant to jack pine. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : leave any oak if it occurs</p>										
78	J4	6	55	50	JACK PINE	IMMATURE	FINAL HARVEST	2	PLANTING	
<p>comnts Fmd : Open grown jack pine for the most part. Stand was recently impacted by JP budworm and there is mortality evident. Recommend final harvest for treatment and plant to jack pine. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : leave any oak if it occurs</p>										
95	J6	40	55	50	JACK PINE	MATURE	FINAL HARVEST	2	PLANTING	
<p>comnts Fmd : Stand was planted in 1955. Stand has been impacted by recent JP budworm outbreak, some evidence of individual tree mortality, some areas of heavy pocket mortality. Treat stand plant to jack pine. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : Leave some larger aspen, white birch, and some maple and larger white pine.</p>										
96	J6	11	55	50	JACK PINE	MATURE	FINAL HARVEST	2	PLANTING	
<p>comnts Fmd : Stand is a mix of jack pine and aspen. Jack Pine in stand was recently impacted by JP budworm. Mortality evident, pockets of dead trees and/or individual trees damaged/killed. Treat stand and plant back to JP. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : Leave some larger aspen, white birch, and some maple and larger white pine.</p>										
97	J5	7	53	45	JACK PINE	MATURE	FINAL HARVEST	2	PLANTING	
<p>comnts Fmd : Old records say that stand was originally planted in red pine. That was essentially a failure. Trees now are open grown. Stand somewhat filled in with jack pine most are limby. Some JP trees in stand are dead due to budworm outbreak. Treat stand with surrounding jack stand and start over. Plant to jack pine after harvest. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : Leave some larger aspen, white birch, and some maple and larger white pine.</p>										
99	J5	8	53	45	JACK PINE	MATURE	FINAL HARVEST	2	PLANTING	
<p>comnts Fmd : Old records say that stand was originally planted in red pine. That was essentially a failure. Trees now are open grown. Stand somewhat filled in with jack pine most are limby. Some JP trees in stand are dead due to budworm outbreak. Treat stand with surrounding jack stand and start over. Plant to jack pine after harvest. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : Leave some larger aspen, white birch, and some maple and larger white pine.</p>										

NEWBERRY FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 93

Entry Year: 2012

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	fdf Status
101	J5	2	53	45	JACK PINE	MATURE	FINAL HARVEST	2	PLANTING	
<p>comnts Fmd : Old records say that stand was originally planted in red pine. That was essentially a failure. Trees now are open grown. Stand somewhat filled in with jack pine most are limby. Some JP trees in stand are dead due to budworm outbreak. Treat stand with surrounding jack stand and start over. Plant to jack pine after harvest. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : Leave some larger aspen, white birch, and some maple and larger white pine.</p>										
103	J5	27	55	50	JACK PINE	IMMATURE	FINAL HARVEST	2	PLANTING	
<p>comnts Fmd : Area was planted in 1955 and is essentially a failure. Lower stocking values. Jack pine has been naturally seeding in and is bushy. Aspen is poor quality. Some jack pine mortality after recent JP budworm outbreak. Treat stand with adjacent jack pine stand and start over. Plant to jack pine after harvest. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : Leave some larger aspen, white birch, and some maple and larger white pine.</p>										
105	J5	424	63	50	JACK PINE	MATURE	FINAL HARVEST	1	PLANTING	
<p>comnts Fmd : Stand is mostly jack pine with a component of aspen, red pine, white pine and paper birch. Aspen is old and showing signs of decline. The stand has been recently attacked by JP budworm the JP trees have been severely damaged. There are several areas/pockets of dead JP trees or trees with dead tops. Recommend harvesting stand and planting back to jack pine. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : Leave some larger aspen, white birch, and some maple and larger white pine.</p>										

Total Acres..... 742

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
39	A5	13	72	50	ASPEN (UPLAND)	MATURE	FINAL HARVEST	3		

TREATMENT LIMITING FACTORS: Road needed (resources not presently available)
 Land survey needed
 Influence zones
 Inadequate volume due to small acreage

comnts Fmd : Aspen mixed with pine, mostly white pine. Stand would be difficult to treat due to its location. It is in the Tahquamenon River influence zone. In addition it has no road access other than building one across private land. An alternate MO of mixed RP/WP, red maple, birch, jack pine or oak would be acceptable.

Wld : leave some large white pine.

Total Acres..... 13

Stand	Cover Type-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
1	A 4	A 2	6	26	5	20	55	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Aspen is about 30 - 50' tall and decent quality, just coming into pole size. White pine and red maple present throughout, pole and sap sized. Sawlog sized Red Pine scattered throughout.														
2	R 8	W 2	19	55	16	60	55	red pine	immature	N		20-29 years	0	
comnts Fmd : White pine seems to be regenerating well. Also some aspen regeneration present. White pine looks to be taking site over. Jack pine in the south end of stand. 35=32,31.														
3	Z 0	Z 0	4		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Moose Lakes														
4	A 4	A 2	5	26	4	10	50	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Scattered red maple/white pine/spruce in overstory. Aspen is 15-20' tall and poor quality. White pine scattered throughout, thick and thin, mostly wolfy. Openings scattered throughout stand. Moose Lake is just to the east of the stand. There was a small timber sale in here in 1984.														
5	V 0	V 0	16		0	0	15	bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : Small band of tamarack/spruce/white pine around stand. Ground cover is leatherleaf/labordor tea/sphagnum.														
6	A 4	A 2	60	18	4	10	50	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Scattered red maple, aspen & white pine in overstory. Stand was cut in early 90's - sale #008-92. Bracken fern/grass ground cover. Jack pine regeneration is present also. Aspen is about 10-20' tall. Aspen is poor quality in the southern 2/3 of stand, slightly better in the north 1/3.														
7	J 5	A 2	41	59	9	50	50	jack pine	mature	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : Stand is mix of jack pine, red pine & aspen. Aspen is of poor quality. Jack pine has been attacked by jack pine bud worm, some mortality as well as damage to residual trees. Aspen prevails in understory with some scattered jack pine seeding in. Stand will likely need to be planted after treatment due to condition of standing jack pine. RP in stand is short and limby. Alternate MO of aspen, mixed RP/WP and oak is acceptable. Wld : leave a few aspen birch and large white pine.														
8	Z 0	Z 0	1		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Moose Lakes														
10	V 0	V 0	2		0	0	15	bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : Leatherleaf / Labordor Tea / Bog Rosemary etc. present. Spongy ground.														
11	M 5	M 2	4	27	7	40	50	northern hardwood	immature	N		20-29 years	0	
comnts Fmd : Stand was cut over on 1983. Starting to move from a M3 to M4. Abundant regeneration. A lot of trees 3-4" in DBH.														
12	A 4	A 2	36	27	6	30	55	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Trees are about 25 - 50' tall - putting on some nice growth. Stand is about to go into a pole size class A4/A3. Some white pine and cherry present within stand. Aspen has decent quality. Snowmobile trail runs through stand.														
13	A 4	M 2	18	18	4	10	50	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Sale # 002-90. Aspen regeneration is about 15-30' tall 2-5" diameter. There is a white pine component of regeneration as well as balsam fir and jack pine.														

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

* 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. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
14	J 2	A 2	217	20	3	0	50	jack pine	immature	N		40-49 years	0	
comnts Fmd : Stand is a consistant mix of jack pine and aspen. Aspen is of poor quality. Ground cover is bracken fern/grass/rough fescue? Cherry scattered throughout. JP in thick/thin in places ans still limby, 10-25' tall. Aspen is also thick/thin and mostly poor quality, 10-20' tall.														
18	J 5	J 1	115	59	9	60	50	jack pine	mature	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : Stand is a mix of jack pine, red pine and aspen. Area was once planted to red pine and was essentially a failure, jack pine filled in the open areas. Some larger diameter RP present of natural origin. Aspen in stand is of poor quality. Jack pine in stand has been hit hard by bud worm a few years agon and mortality/damage is now evident. Approx 1/3 of the jack pine in the stand is impacted. Treat stand to harvest the remaining live trees, plant back to jack pine. Alternate MO of RP/WP, aspen or oak would be acetable.														
Wld : leave some species for diversity, including some aspen, white pine and birch.														
19	W 9	M 1	20		18	80	55	white pine	unevenaged	N		10-19 years	0	
comnts Fmd :														
20	A 2	G 0	12	52	2	0	45	aspen (upland)	sparse	N		not scheduled	0	
comnts Fmd : Stand consists of small aspen seeding in around an opening. Aspen is of poor quality.														
21	J 3	A 3	55	0	1	20	50	jack pine	immature	N		50-59 years	0	
comnts Fmd : stand harvested as Danaher Plains Pine (003-02-01). Completed 6/10/03. FTP42-559: scarification completed 7/21/2003. Regeneration check 5/06 = 1,661 t/ac. *** 9/2/10 OI Comments - Stand has regenerated to jack pine and aspen, jack pine is 1-5' tall and aspen is 3-15' tall. Regeneration is thick for the most part. Cherry and red maple regen as well. Overstory of WP and RP scattered throughout stand. 35=30,31.														
Wld :														
22	A 2	J 1	83	18	1	0	45	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Aspen regeneration is of poor quality. Jack pine regeneration is mixed in along with white pine. More WP regen on the north end, most of it is bushy. Bracken fern/blueberry/rough fescue ground cover.														
23	W 8	A 2	40	90	16	60	50	white pine	mature	N		10-19 years	0	
comnts Fmd : Stand contains some nice sawlog white and red pine. Stand was managed with shelterwood as Danaher Plains Pine (003-02-01). Completed 6/10/03. Stand now has aspen and red maple seedling/saplings in understory with some WP regen.														
Wld :														
24	W 8	W 2	12		16	60	50	white pine	unevenaged	N		10-19 years	0	
25	W 6	W 2	26	58	9	70	50	white pine	immature	N		10-19 years	0	
comnts Fmd : White pine sawlog scattered throughout stand along with aspen, birch, jack pine. White pine is regenerating nicely. The aspen in stand is of poor quality. White pine is taking stand over. Some small openings scattered throughout along with pockets of jack pine. Some of the JP is dying out.														
26	R 6	W 1	53		10	80	50	red pine	unevenaged	N		10-19 years	0	
comnts Fmd : Stand is variable with a variety of age and sizeds. Stand is mostly a mix of red pine, white pine & jack pine with poor quality aspen. There is some large WP/RP throughout as well as evidence of planted red pine. Stand was planted in 1959 with red pine and some failure occurred. White pine is regenerating in stand. Some of the JP in stand was killed due to JP budworm outbreak since the last inventory.														
27	W 9	M 1	26		18	90	55	white pine	unevenaged	N		10-19 years	0	
comnts Fmd : Some large white pine in this stand, some with very impressive size. Some of the trees are showing signs of decline.														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B	Tot. BA								
28	R 6	W 1	38	51	10	70	45	red pine	immature	N		10-19 years	0	
comnts Fmd : Stand was planted in 1959 which has essentially failed. Stocking is low. Poor quality aspen understory. White pine is regenerating. Some white pine and jack pine present in overstory. Jack pine has some damage/mortality to recent budworm outbreak.														
29	W 6	W 2	53		9	80	50	white pine	unevenaged	N		10-19 years	0	
comnts Fmd : Stand is a mix of species/size classes and ages. Area was planted in 1959 to red pine which is essentially a failure. There are a few old RP/WP scattered in stand. There is jack pine of various ages some of which has been impacted by recent budworm outbreak. The white pine ranges from saplings to sawlog size. The sawtimber size is scattered throughout. White pine is regenerating nicely and taking site over. Aspen is poor quality. Portions of this stand was cut in 1983.														
30	R 5	W 2	29		10	60	50	red pine	unevenaged	N		10-19 years	0	
31	J 4	J 1	3	62	9	40	50	jack pine	immature	N		10-19 years	0	
32	J 4	J 1	6	62	9	40	50	jack pine	immature	N		10-19 years	0	
34	W 9	W 2	13	85	16	70	55	white pine	mature	N		20-29 years	0	
comnts Fmd : Stand harvested as "421 Red Pine" (004-02-01). Completed 11/18/04. White pine, aspen and maple stump sprouts in understory.														
35	W 9	F 1	32		14	120	50	white pine	mature	N		not scheduled	0	
<u>Treatment Limiting Factors:</u> Too steep Influence zones Water quality/bmps Scenic values/visual values														
comnts Fmd : Stand falls on slope leading down to Tahquamenon River. Very steep and inoperable in most places.														
36	J 5	W 1	42	51	8	60	45	jack pine	immature	N		20-29 years	0	
comnts Fmd : Mixed pine stand. Jack pine, mostly limby mixed with red and white pine. Sawlog sized WP/RP on the west side of stand. Poor quality aspen throughout. Jack pine in stand was impacted by recent budworm outbreak, some mortality evident.														
37	X 0	X 0	9		0	0	45	other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : County Road 421 and it's R.O.W.														
39	A 5	M 2	13	72	9	50	50	aspen (upland)	mature	Y	final harvest	within 0-9 years	3	
<u>Treatment Limiting Factors:</u> Road needed (resources not presently available) Land survey needed Influence zones Inadequate volume due to small acreage														
comnts Fmd : Aspen mixed with pine, mostly white pine. Stand would be difficult to treat due to its location. It is in the Tahquamenon River influence zone. In addition it has no road access other than building one across private land. An alternate MO of mixed RP/WP, red maple, birch, jack pine or oak would be acceptable.														
Wld : leave some large white pine.														

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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								
43	M 6	F 2	9	72	8	80	50	northern hardwood	immature	N		10-19 years	0	
comnts Fmd : Poor quality maple, some clumpy, some single stem. White pine mixed throughout. Maple, b.fir, white pine in the understroy. Some aspen present in stand.														
45	W 5	W 2	68		10	60	45	white pine	unevenaged	N		10-19 years	0	
comnts Fmd : Stand is a mixed bag of white, jack & red pine with poor quality aspen. BA ranges from 30-80. Ages seem to be young and old. JP in stand has been hit by budworm since last OI, mortality evident. Some JP is decent by most is wolfy/limby.														
46	W 6	W 1	23		11	70	50	white pine	unevenaged	N		10-19 years	0	
comnts Fmd : Stand is a mix of species and age classes. Some old white pine mixed with some young. White pine is regenerating.														
47	W 5	W 2	42		9	50	50	white pine	unevenaged	N		10-19 years	0	
comnts Fmd : Stand is a mix of aspen and white pine with some red and jack pine. White pine seems to vary in age; some pockets of older sawtimber along with young regeneration, other areas of pole/sap sized trees. White pine regen throughout for the most part mixed with maple, aspen, and b.fir.														
48	A 2	J 1	44	20	1	0	40	aspen (upland)	low quality	N		not scheduled	0	
comnts Fmd : Ground cover is grass, blueberry, bracken fern. Aspen is of poor quality. Jack pine is seeding in naturally, some pole sized and wolfy.														
49	J 5	J 1	6	52	9	60	50	jack pine	immature	N		10-19 years	0	
comnts Fmd : Stand is a mix of aspen and white pine with some red and jack pine. White pine seems to vary in age; some pockets of older sawtimber along with young regeneration, other areas of pole/sap sized trees. White pine regen throughout for the most part mixed with maple, aspen, and b.fir.														
50	A 5	A 2	61	57	9	40	48	aspen (upland)	low quality	N		not scheduled	0	
comnts Fmd : Aspen in stand is of poor quality, variable in size and density, BA ranges from 20-70. The aspen is submerchantable to non-merchantable in many places. Paper birch and red maple present. Stand may eventually convert to WP.														
51	A 2	G 0	21	52	2	0	40	aspen (upland)	sparse	N		not scheduled	0	
comnts Fmd : Aspen is of poor quality and will probably never reach merchantability. Jack pine, white pine and red pine present, most are limby. Cherry present, brushy.														
52	A 5	W 2	21	57	8	60	50	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Stand is a mix of aspen, red pine, white pine, jack pine with an aspen, white pine, jack pine understory. Aspen is of poor quality. Cherry present, brushy. Stand may eventually convert to WP.														
53	A 2	G 0	14	52	2	0	45	aspen (upland)	sparse	N		not scheduled	0	
comnts Fmd : Stand is sparse, poor quality aspen mixed with white pine, cherry, spruce and jack pine. Aspen in stand may never reach merchantability.														
54	W 9	F 1	39		14	110	50	white pine	mature	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Too steep														
Influence zones														
Water quality/bmps														
Scenic values/visual values														
comnts Fmd : Stand falls on slope leading down to Tahquamenon River. Very steep and inoperable in most places.														
55	A 5	A 2	10	57	9	50	48	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Aspen in stand is of poor quality, variable in size and density, BA ranges from 20-70. The aspen is no- merchantable in many places. Paper birch, red maple and cherry present, also poor quality. Stand may eventually convert to WP.														

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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								
56	W 5	W 2	12	63	9	50	50	white pine	immature	N		20-29 years	0	
comnts Fmd : Aspen in stand is of poor quality for the most part. White pine is taking site over with a lot of regeneration and will likely convert to white pine.														
57	A 3	A 3	83	18	2	0	50	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Stand was treated in 1992; Sale #012-92. Aspen is approx. 10-20' tall - 2" DBH. Stand has regenerated aspen, cherry and maple for the most part. Some white pine, balsam fir present as well.														
58	A 2	A 2	15	48	3	0	45	aspen (upland)	low quality	N		not scheduled	0	
comnts Fmd : Area is a natural frost pocket that falls within a valley. Aspen is of poor quality and probably will never reach merchantability.														
59	W 4	M 1	18		6	10	40	white pine	sparse	N		not scheduled	0	
comnts Fmd : Stand was an old stump field that has begun to fill in with trees. Some areas are somewhat open yet but others are becoming stocked with trees. Mostly bushy white pine and cherry. Some jack pine seedling present along the poor quality aspen. Ground cover is grass with some bracken fern.														
60	N 0	N 0	28		0	0	20	marsh	nonstocked	N		not scheduled	0	
61	Z 0	Z 0	1		0	0		water	nonstocked	N		not scheduled	0	
62	W 6	M 2	9	53	10	70	50	white pine	immature	N		10-19 years	0	
comnts Fmd : Stand is a mix of white pine, aspen, maple, balsam fir. Some mature aspen present in stand, some is decent, some is low quality. Stand has a mix of ages and sizes of white pine. Hazel present in understory also. Stand buffers a marshy area to the north.														
63	M 6	M 2	5		10	100	50	northern hardwood	unevenaged	N		10-19 years	0	
comnts Fmd : Small maple stand, not great quality but decent. Some trees are overmature and defective. Stand is tool small to for treatment on its own. Treat when adjacent stands are scheduled.														
64	A 4	A 2	16	31	5	30	50	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Stand was cut in 1979. and is now moving into a pole size class. Mix of aspen, red maple & jack pine in overstory. Aspen, maple, white pine, cherry and hazel in understory.														
65	M 5	A 2	7		9	60	50	northern hardwood	immature	N		20-29 years	0	
comnts Fmd : Stand was shelterwooded in 1979 - (stump diametered). Aspen is regenerating nicely in understory along with maple, aspen is approx. 3"diameter and 20-40' tall. Pole sized maple and a few larger white pine in overstory. Some beech in stand, it has BBD and is dying or dead.														
66	W 5	W 2	17	51	10	40	45	white pine	immature	N		30-39 years	0	
comnts Fmd : Stand is a mixed bag. White pine, maple, aspen, jack pine, balsam, spruce and cherry. There is scattered upland brush mixed throughout the stand. Most trees are limby. White pine looks to be taking site over- seems to be prevelant in understory. Hazel present also.														
67	A 4	A 2	22	31	6	30	50	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Openings scattered throughout. Some of aspen is poor quality. White pine is mixed throughout stand. Aspen is 5-8" DBH with some about 3 sticks tall. Some submerchantable/poor quality aspen as well. B.fir, spruce also present in stand.														
68	M 6	M 3	19		10	80	50	northern hardwood	unevenaged	N		10-19 years	0	
comnts Fmd : Stand was shelterwooded in 1979. Abundant maple and balsam fir regeneration. Beech has scale and dying or dead already.														

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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								
69	M 5	A 2	41		9	70	50	northern hardwood	immature	N		20-29 years	0	
<p>comnts Fmd : Stand was shelterwooded in 1979 - (stump diametered). Stand is a mix of maple, white pine, aspen, beech, cherry and spruce. Aspen is regenerating nicely in understory along with maple, aspen is approx. 3" diameter and 20-40' tall. Pole sized maple and a few larger white pine in overstory. Some beech in stand, it has BBD and is dying or dead.</p>														
70	A 4	M 2	41	18	4	10	50	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Stand is sale #035-92. Aspen is about 4" DBH but ranges from 1-5" and is 15-30' tall. Aspen, white pine, cherry, maple regeneration present. Scattered maple, white pine and spruce overstory. Some balsam present.</p>														
71	A 6	M 1	10	67	10	80	55	aspen (upland)	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Too steep Influence zones Water quality/bmps Scenic values/visual values</p>														
<p>comnts Fmd : Most of stand falls on a steep slope leading down to the Tahquamenon River.</p>														
72	R 4	J 1	19	53	10	30	50	red pine	sparse	N		10-19 years	0	
<p>comnts Fmd : Stand is essentially a failed red pine plantation. The result is a few scattered red pine and bushy cherry trees. Some jack pine, red pine, white pine seeding in naturally. If surrounding jack pine plantations are treated, treat this stand as well and plant with JP. Talk about it at review.</p>														
73	A 6	M 1	20	67	11	80	55	aspen (upland)	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Too steep Influence zones</p>														
<p>comnts Fmd : Most of stand falls on the steep slope and would be difficult to treat. Aspen is mature but not great quality. Stand falls in the influence zone of the Tahquamenon River.</p>														
74	R 6	M 1	61	51	9	100	50	red pine	immature	N		10-19 years	0	
<p>comnts Fmd : Stand has some suppressed red pine. Stand has a mix of aspen, jack pine and red pine. Some of the jack pine was impacted by a recent JP budworm outbreak, mortality evident. BA ranges from 50-150. Stand could be treated now or left for another 10 years.</p>														
75	J 5	R 1	50	62	10	70	50	jack pine	two aged	Y	final harvest	within 0-9 years	2	planting
<p>comnts Fmd : Stand is a mix of jack pine, red pine, white pine and aspen. Most of the red pine here was underplanted in 1959. It is pprox 25 - 30 years old and 4 sticks tall and about 9" DBH. Jack pine in stand has been attacked by JP budworm recently and there is mortality. Treat stand and remove all JP, aspen and most RP, leave W. Pine. Plant to JP. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : leave a couple larger aspen for cavity nesting birds and any trace species. leave any oak if it exists.</p>														
76	J 6	R 1	11	62	10	80	50	jack pine	mature	Y	final harvest	within 0-9 years	2	planting
<p>comnts Fmd : Jack pine is stand has recently been attacked by JP budworm. Evidence of mortality. Treat stand and plant to jack pine. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : leave any oak if it occurs</p>														
77	J 3	J 3	32	18	3	0	50	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : Stand was harvested in 1992 - sale #034-91 and was scarified in 1993. Jack Pine is coming in nicely. Currently 10-20' tall 1-4" DBH. Bracken fern/blueberry ground cover.</p> <p>Wld :</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
78	J 4	R 1	6	55	9	40	50	jack pine	immature	N	final harvest	within 0-9 years	2	planting
<p>comnts Fmd : Open grown jack pine for the most part. Stand was recently impacted by JP budworm and there is mortality evident. Recommend final harvest for treatment and plant to jack pine. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.</p> <p>Wld : leave any oak if it occurs</p>														
79	R 9	M 2	21	85	16	80	55	red pine	two aged	N		20-29 years	0	
<p>comnts Fmd : Stand harvested as "421 Red Pine" (004-02-01). Completed 11/18/04. Stand now has red maple stump strouts and aspen regen. White pine regen present as well. Regen is thick for the most part.</p>														
80	R 4	R 1	4		11	30	50	red pine	unevenaged	N		10-19 years	0	
<p>comnts Fmd : Stand has a mix of red pine, white pine, aspen and jack pine. Trees are limby and open grown filling in an opening.</p>														
81	R 9	W 2	15		16	90	50	red pine	two aged	N		10-19 years	0	
<p>comnts Fmd : Stand is a mixed bag of red pine and white pine. Sawlogs sized trees in both species. There is abundant white pine regeneration.</p>														
82	J 6	J 1	12	55	9	80	50	jack pine	immature	N		10-19 years	0	
<p>comnts Fmd : Stand was planted in 1955. Stand has been impacted by recent JP budworm outbreak, some evidence of mortality. Could schedule now or wait another 10 years. Talk about at review.</p>														
83	R 9	R 1	6		12	70	50	red pine	unevenaged	N		10-19 years	0	
<p>comnts Fmd : Stand has a mix of red pine, white pine, aspen & red maple. Thick & thin, young and old. Stand is moving towards being a WP stand.</p>														
84	J 6	J 1	9	55	9	80	50	jack pine	immature	N		10-19 years	0	
<p>comnts Fmd : Stand was planted in 1955. Stand has been impacted by recent JP budworm outbreak, some evidence of mortality. Could schedule now or wait another 10 years. Talk about at review.</p>														
85	R 8	W 2	2	53	12	70	50	red pine	immature	N		10-19 years	0	
<p>comnts Fmd : Stand is a basically a failed red pine plantation that has gradually filled in with trees. Most of the red pine is limby. There is also white pine in here sawlog to sapling sized.</p>														
86	J 6	J 1	40	55	9	80	50	jack pine	immature	N		10-19 years	0	
<p>comnts Fmd : Stand was planted in 1955. Stand has been impacted by recent JP budworm outbreak, some evidence of individual tree mortality, some areas of heavy pocket mortality. Could schedule now or wait another 10 years. Talk about at review.</p>														
87	J 6	J 1	10	55	9	80	50	jack pine	immature	N		10-19 years	0	
<p>comnts Fmd : Stand was planted in 1955. Stand has been impacted by recent JP budworm outbreak, some evidence of individual tree mortality, some areas of heavy pocket mortality. Could schedule now or wait another 10 years. Talk about at review.</p>														
88	R 5	A 2	18	53	10	40	50	red pine	immature	N		10-19 years	0	
<p>comnts Fmd : Stand is essentially a failed red pine plantation. The result is a few scattered limby red pine with jack pine that have naturally seeded in. Poor quality aspen here also. If surrounding jack pine plantations are treated, treat this stand as well and plant with JP. Talk about it at review.</p>														
89	J 6	J 1	32	55	9	80	50	jack pine	immature	N		10-19 years	0	
<p>comnts Fmd : Stand was planted in 1955. Stand has been impacted by recent JP budworm outbreak, some evidence of individual tree mortality, some areas of heavy pocket mortality. Could schedule now or wait another 10 years. Talk about at review.</p>														

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							
90	J 3	J 3	19	18	3	0	50	jack pine	immature	N		40-49 years	0	
comnts Fmd : Stand was harvested in 1992 - sale #034-91 and was scarified in 1993. Jack Pine is coming in nicely. Currentlly 10-20' tall 1-4"DBH. Bracken fern/blueberry ground cover.														
91	J 6	J 1	2	55	9	80	50	jack pine	immature	N		10-19 years	0	
comnts Fmd : Stand was planted in 1955. Stand has been impacted by recent JP budworm outbreak, some evidence of mortality. Could schedule now or wait another 10 years. Talk about at review.														
92	J 6	J 1	26	55	9	80	50	jack pine	immature	N		10-19 years	0	
comnts Fmd : Stand was planted in 1955. Stand has been impacted by recent JP budworm outbreak, some evidence of individual tree mortality, some areas of heavy pocket mortality. Could schedule now or wait another 10 years. Talk about at review.														
93	R 4	J 1	26	53	10	30	50	red pine	sparse	N		10-19 years	0	
comnts Fmd : Stand is a essentially a failed red pine plantation. The result is a few scattered red pine and bushy cherry trees. Some jack pine, red pine, white pine seeding in naturally. If surrounding jack pine plantations are treated, treat this stand as well and plant with JP. Talk about it at review.														
94	R 4	J 1	11	53	10	30	50	red pine	sparse	N		10-19 years	0	
comnts Fmd : Stand is a essentially a failed red pine plantation. The result is a few scattered red pine and bushy cherry trees. Some jack pine, red pine, white pine seeding in naturally. If surrounding jack pine plantations are treated, treat this stand as well and plant with JP. Talk about it at review.														
95	J 6	J 1	40	55	9	80	50	jack pine	mature	N	final harvest	within 0-9 years	2	planting
comnts Fmd : Stand was planted in 1955. Stand has been impacted by recent JP budworm outbreak, some evidence of individual tree mortality, some areas of heavy pocket mortality. Treat stand plant to jack pine. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.														
Wld : Leave some larger aspen, white birch, and some maple and larger white pine.														
96	J 6	A 1	11	55	9	80	50	jack pine	mature	N	final harvest	within 0-9 years	2	planting
comnts Fmd : Stand is a mix of jack pine and aspen. Jack Pine in stand was recently impacted by JP budworm. Mortality evident, pockets of dead trees and/or individual trees damaged/killed. Treat stand and plant back to JP. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.														
Wld : Leave some larger aspen, white birch, and some maple and larger white pine.														
97	J 5	J 1	7	53	9	40	45	jack pine	mature	N	final harvest	within 0-9 years	2	planting
comnts Fmd : Old records say that stand was originally planted in red pine. That was essentially a failure. Trees now are open grown. Stand somewhat filled in with jack pine most are limby. Some JP trees in stand are dead due to budworm outbreak. Treat stand with surrounding jack stand and start over. Plant to jack pine after harvest. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.														
Wld : Leave some larger aspen, white birch, and some maple and larger white pine.														
98	J 4	J 1	5	20	5	10	45	jack pine	immature	N		40-49 years	0	
comnts Fmd : Old records say that stand was originally planted in red pine. That has since failed. Stand was a G that is now filling in with jack pine. JP is 15-20' tall, 3-7"DBH. Ground cover is grass with some bracken fern/blueberry/rough fescue.														
99	J 5	J 1	8	53	9	40	45	jack pine	mature	N	final harvest	within 0-9 years	2	planting
comnts Fmd : Old records say that stand was originally planted in red pine. That was essentially a failure. Trees now are open grown. Stand somewhat filled in with jack pine most are limby. Some JP trees in stand are dead due to budworm outbreak. Treat stand with surrounding jack stand and start over. Plant to jack pine after harvest. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.														
Wld : Leave some larger aspen, white birch, and some maple and larger white pine.														

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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								
100	J 4	J 2	7	22	4	20	50	jack pine	immature	N		40-49 years	0	
comnts Fmd : Jack pine regen is thick. It is about 15-30' tall, 3-6"DBH and some is just coming into pole sized class.														
101	J 5	J 1	2	53	9	40	45	jack pine	mature	N	final harvest	within 0-9 years	2	planting
comnts Fmd : Old records say that stand was originally planted in red pine. That was essentially a failure. Trees now are open grown. Stand somewhat filled in with jack pine most are limby. Some JP trees in stand are dead due to budworm outbreak. Treat stand with surrounding jack stand and start over. Plant to jack pine after harvest. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.														
Wld : Leave some larger aspen, white birch, and some maple and larger white pine.														
102	J 4	J 2	15	22	4	20	50	jack pine	immature	N		40-49 years	0	
comnts Fmd : Jack pine regen is thick. It is about 15-30' tall, 3-6"DBH and some is just coming into pole sized class.														
103	J 5	J 1	27	55	9	40	50	jack pine	immature	N	final harvest	within 0-9 years	2	planting
comnts Fmd : Area was planted in 1955 and is essentially a failure. Lower stocking values. Jack pine has been naturally seeding in and is bushy. Aspen is poor quality. Some jack pine mortality after recent JP budworm outbreak. Treat stand with adjacent jack pine stand and start over. Plant to jack pine after harvest. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.														
Wld : Leave some larger aspen, white birch, and some maple and larger white pine.														
104	J 5	J 2	75	36	7	60	50	jack pine	immature	N		20-29 years	0	
comnts Fmd : Stand was cut in 1978 - sale #026-78. Stand was planted prior to cut in 1974. It is now coming along nicely. Trees are moving from a sapling size into pole size, avg DBH is 4-9", 2-4 sticks tall. There are still some sapling sized trees. Ground cover is a mix of bracken fern/blueberry/grass. There is some JP budworm damage to stand from recent outbreak.														
105	J 5	J 1	424	63	9	60	50	jack pine	mature	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : Stand is mostly jack pine with a component of aspen, red pine, white pine and paper birch. Aspen is old and showing signs of decline. The stand has been recently attacked by JP budworm the JP trees have been severely damaged. There are several areas/pockets of dead JP trees or trees with dead tops. Recommend harvesting stand and planting back to jack pine. An alternate MO of mixed red pine, white pine, oak or aspen would be acceptable.														
Wld : Leave some larger aspen, white birch, and some maple and larger white pine.														
106	J 3	J 3	168	17	3	0	50	jack pine	immature	N		40-49 years	0	
comnts Fmd : Stand was cut in 1992 - sale # 010-92. Area was scarified in 1993. Stand is regenerating nicely with plenty of stocking. Trees are now 10-15' tall, 1-4" DBH. Ground cover is bracken fern/grass.														
107	X 0	X 0	1		0	0	45	other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : County Road 475 and it's R.O.W.														
108	J 3	J 3	16	10	1	0	50	jack pine	immature	N		50-59 years	0	
comnts Fmd : Stand was cut in late 1999 - sale #008-97. Stand was scarified and then planted to fill open areas. Stand is now fully stocked with JP 3-10' tall, 1"DBH.														
401	G 0	G 0	9			0	50	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Scattered cherry trees in opening. Fringes of stand contain aspen and jack pine. Old "stump field". Some big old stumps in opening.														
402	G 0	G 0	7			0	50	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Scattered cherry trees in opening. Fringes of stand contain aspen and jack pine. Old "stump field". Some big old stumps in opening.														

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

S t a n d	Cover Type- Size Dnsty	Under Story- Stkng Level	A c r e s	Age	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA								
403	G 0	G 0	3			0	45	grass	nonstocked	N		not scheduled	0	
404	G 0	G 0	2			0	45	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Grass, blueberry, rough fescue ground cover. Scattered jack pine/ red pine. Cherry present also, bushy. Opening is gradually filling in. Poor quality aspen present also.														
407	G 0	G 0	6			0	45	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Scattered cherry present in opening along with poor quality aspen. Old white pine stumps are present in opening.														
Total Acres.....			3096											