



**NEWBERRY FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 120 ENTRY YEAR: 2009

Compartment Acreage: 2794 County: Luce

Revision Date: 8/2/07

Stand Examiner: Ed Rice

Legal Description: T45N R09W Sections 2, 3, 10, 11, 14, 15

RMU (if applicable):

Management Goals: Retain and improve the integrity of the deeryard while utilizing mature timber resources where commercially feasible.

Soil and Topography: The far majority of soils in the compartment are Carbondale, Lupton, and Tawas mucks. Small areas of Kalkaska and Paquin sands are located along the west side of the compartment. Virtually the entire area is seasonally ponded during spring run off. The topography is level.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is contiguous in state ownership. Deer hunting within ¼ mile of the roads demonstrates the highest use pattern. Private, non industrial ownerships border the compartment on the north and west sides. State ownership borders the compartment along the south and east sides. Land use within the compartment has been small scale timber management for deer yard improvement in the past.

Unique, Natural Features (include only non-site specific and non-sensitive information): None identified

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None identified

Special Management Designations or Considerations: Deeryard

Watershed and Fisheries Considerations: Fisheries Values

Moderate. Are you a masochist? Do you enjoy the effort of finding “un-tapped” trout fisheries in a tag alder choked swamp? Then, the West Branch Sage River is for you. Classified Type 1 trout, it supports native brook trout.

Wildlife Habitat Considerations: Compartment 120 lies in southeastern Luce county in the Seney Sand Lake Plain ecological sub-subsection. The entire compartment lies in the Sage River deer yard which supports high numbers of deer during winter months. This small compartment is dominated by lowland types including cedar and swamp conifer with small components of aspen, fir, and swamp aspen/birch. Several small streams and creeks run through the compartment and the West branch of the Sage River makes up the eastern boundary.

Minimal harvest will occur in the compartment due to the existence of deer yard. Harvested stands will not disturb cedar, hemlock or white pine and will occur during winter months to benefit wintering deer. Existing nest and den trees, snags, and woody debris will be maintained in stands where they exist. Species of special interest potentially using this compartment include white-tailed deer, black bear, moose, bobcat, hare, coyote, fox, mink and otter.

Mineral Resource and Development Concerns and/or Restrictions: Sections 2, 3, 10, 11, 14 & 15, T45N-R9W, Luce County

Surface sediments consist of lacustrine (lake) sand & gravel, glacial outwash sand & gravel and postglacial alluvium and peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Queenston Shale, Big Hill Dolomite and Stonington Formation subcrop below the glacial drift. The Big Hill and Stonington could be used for stone. Gravel pits are not located in the area, but there could be potential on the uplands. There is no economic oil and gas production in the UP.

Vehicle Access: Extremely poor. No drivable interior roads exist. Old winter logging roads are throughout, though are overgrown in most places.

Survey Needs: N 1/16 corner sec.15

Recreational Facilities and Opportunities: None

Fire Protection: Large fire runs are not likely, because of the swamp conifer and hardwood types. Poor access with wheeled equipment will limit suppression abilities.

Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential old growth**

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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: 120

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			51						24										75
Black Spruce									8										8
Cedar						7	154	1487		114									1762
Lowlnd Brush	459																		459
Lowlnd Poplr		50						30										15	95
Marsh	23																		23
Mx Swmp Cnfr						23	82	53										56	214
Non Stocked	17																		17
Paper Birch								4											4
Spruce Fir				45	25	4													74
Swamp Hrdwds																		62	62
Water	1																		1
Total	500	50	51	45	25	34	236	1574	32	114								133	2794

LAKE SUPERIOR STATE FOREST

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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	75																										75
S Black Spruce		8																									8
C Cedar				1762																							1762
L LowInd Brush									459																		459
P LowInd Poplr										95																	95
N Marsh											23																23
Q Mx Swmp Cnfr												214															214
X Non Stocked													17														17
B Paper Birch															4												4
F Spruce Fir																			74								74
E Swamp Hrdwds																				62							62
Z Water																									1	1	
Total	75	8		1762					459	95	23	214	17		4				74	62					1		2794

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: **120**

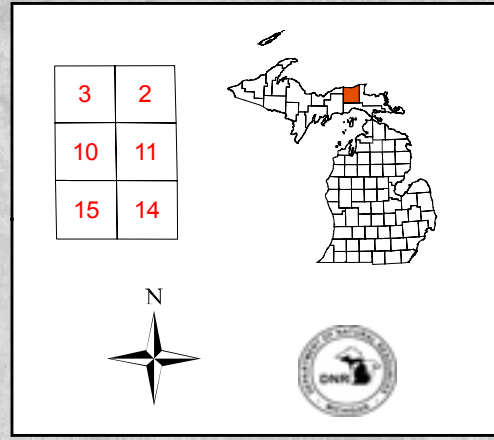
Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	6889 Cds	Hardwood	822 Cds
Softwood	57903 Cds	Softwood	223 Cds
Sum TotVol	64792 Cds	Sum CutVol	1045 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	31
2794			

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
22	P6	4	66	60	balsam poplar & swamp aspen and swamp white birch	old growth (potential or actual)	final harvest	3		
<p>comnts Fmd : well formed aspen and balm. Slightly higher ground site. W birch poletimber component with scattered well stocked spruce and fir poletimber areas. Light fir sapling understory. Associated cedar in single trees and pockets. Clearcut with reserves :: Remove merchantable aspen, balm, spruce, fir w birch and maple. Retain all cedar, hemlock and w pine. Avoid areas that would need cedar to be cut in order to access cut tree species. Given the small acreage and the surrounding cedar type holding all of the above cut species, retain no designated cut species in the stand. MO is lowground aspen/balm. Secondary MO is spruce/fir Stand cond 8 SCA=deeryard timber Stand cond 4 Soil:Carbondale, Lupton, Tawas</p> <p>Wld : winter cut because deer yard. Leave all cedar, hemlock and white pine. Do not reach into cedar pockets to remove any cut species.</p>										
24	P6	10	67	55	balsam poplar & swamp aspen and swamp white birch	old growth (potential or actual)	final harvest	3		
<p>comnts Fmd : large, overmature aspen and balm. Associated good quality b spruce and tamarack. Fir sapling understory. Cedar poletimber component - pockets of trees in areas. SW part of the stand has a heavy fir understory, may exclude from treatment. Remove merchantable aspen, balm, b spruce, tamarack, fir and w birch. Retain cedar, hemlock and w pine. Avoid areas that would make cutting cedar necessary to access above designated cut species. Clearcut with reserves: retain no above designated cut species given the small acreage and the species well represented in the adjacent stand. MO is lowland aspen/balm Secondary MO is maple, spruce/fir Stand cond 8 SCA=deeryard timber Stand cond 4 Soil:Carbondale, Lupton, Tawas</p> <p>Wld : winter cut only because of deer yard. Do not cut any cedar, hemlock or white pine and do not reach into cedar pockets to remove cut species.</p>										
Total Acres.....		14								

Field Map

Compartment 120
 T45N, R09W, Sec. 2, 3, 10, 11, 14, 15
 County: Luce
 Unit: Newberry
 YOE: 2009
 Acres: 2,794 GIS Calculated
 Stand Examiner: Ed Rice
 Map Revised: 12/07/2009
 Map Phase: Pre-review



- Legend**
- ◆ RLS Corners
 - ◆ County Corners
 - ◆ Approximate Corners
 - Miris Corners
 - Highways
 - Paved Roads
 - - - Gravel Roads
 - - - Poor Dirt Roads
 - - - Closed Roads
 - Powerlines
 - Water Features
 - State Highway
 - Stand Boundary
 - ▨ Special Conservation Areas
 - ▨ 100 - Final Harvest

