



**Newberry Forest Management Unit  
Compartment Review Presentation  
Compartment 073      Entry Year: 2012  
Compartment Acreage: 3457      County: Chippewa**

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**Revision Date:** 9/22/10

**Stand Examiner:** Jason A. Tokar

**Legal Description:** T45N R7W Sections 4, 5, 7-9, & 16-18

**Identified Planning Goals ('Management Area' or 'RMU'):** Compartment 073 is located within the Tahquamenon Basin Wetlands 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/29\\_Tahquamenon\\_River\\_Basin\\_Wetlands\\_MA\\_summary\\_3\\_6.pdf](http://www.midnr.com/publications/pdfs/forestslandwater/Ecosystem/EUP/final-MAsummaries/29_Tahquamenon_River_Basin_Wetlands_MA_summary_3_6.pdf)

**Management Goals:** Maintain or enhance the forest health, productivity, and diversity of the area through proper management. Timber and wildlife habitat are equally important management goals within the compartment. Maintain and/or improve the integrity of the deeryard and surrounding area through prescribed treatments.

**Soil and Topography:** The compartment consists primarily of lowland soil and cover types. The major soil type(s) associated with the lowland areas is Markey and Carbondale Mucks. Cover types supported on these muck soils include cedar, lowland swamp conifer, tamarack, and lowland black spruce. Narrow ridges of red pine and white pine are found throughout these cover types (Rubicon sand ridges). The main upland soil type is Pickford silt loam, on which aspen and upland spruce/fir are found. Other soil types located within the compartment are Kinross-Au Gres complex, Rousseau fine sand, and a small amount of Crowell sand. The topography is predominantly level ground throughout the compartment.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The compartment is comprised of 2 large blocks of State Land separated by a strip of private property. The compartment is bordered by a mix of State land and private property on all sides. Development with the compartment and surrounding area is limited to a number of hunting camps. The Canadian National Railroad runs diagonally through the compartment. Land Use in this area is primarily hunting. Access and development of this compartment is limited by the lowland nature of the area.

**Unique, Natural Features:** MNFI lists the occurrence of Fir clubmoss in the compartment. 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 paniced screwstem in bogs and open wetlands. Potential for calypso orchis, lapland buttercup, ram's head lady's slipper, round-leaved orchid, and limestone oak fern in cedar swamps. Potential for 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. Potential for black-backed woodpecker and spruce grouse. Potential for wood turtle.

**Archeological, Historical, and Cultural Features:** None Known.

**Special Management Designations or Considerations:** The compartment includes one special management designation: a Special Conservation Area (SCA – Winter Deer Yard). Management decisions within the deer yard are dictated by the promotion and enhancement of the desired characteristics associated with the winter yarding habitat.

**Watershed and Fisheries Considerations:** Fisheries Values

Moderate. The McLeod Ditch south of M-28 is classified Type 1 for natural brook trout, while north of M-28 it is not regulated as a trout stream. Likewise, the W. Branch Hendrie River upstream (south) of the railroad bridge is classified Type 1 and the rest of the Hendrie River system in this compartment is not regulated as a trout stream. Access to the trout waters is difficult. During the fall especially, when waters have cooled, anglers talk about catching brook trout in the Tahquamenon River at the mouths of the McLeod Ditch, and the Hendrie and Sage Rivers.

**Wildlife Habitat Considerations:** **Compartment 73** lies in western Chippewa county and is in the Seney Sand Lake Plain ecological sub-subsection. The compartment lies within the Hendrie Deer yard which supports high numbers of deer during stressful winter periods. The compartment is dominated by cedar and lowland conifer types with some scattered spruce and aspen types in the northern portions.

Harvest operations will occur during winter to maximize the benefit to deer. Cedar canopies will be left intact throughout the compartment. Scattered conifers will be left in aspen stands and species and structural diversity will be maximized in final harvest aspen stands. Nest and den trees, snags, and woody debris will be maintained in stands where they exist. Travel corridors along streams and drainages will be preserved during harvest. Wildlife species potentially using this compartment include white-tailed deer, moose, black bear, bobcat, gray wolf, coyote, marten and snowshoe hare.

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

Sections 4-9 and 16-18, T45N-R7W, Chippewa County

Surface sediments consist of peat and muck and lacustrine (lake) clay and silt. There is insufficient data to determine the glacial drift thickness. The Ordovician Utica Shale, Stonington Formation, Big Hill dolomite and Queenston Shale subcrop below the glacial drift. The Stonington and Big Hill could be used for stone. A gravel pit is located in Section 8 and potential appears good on the high ground to the north of the pit. There is no economic oil and gas production in the UP.

**Vehicle Access:** The compartment is 14 miles east of Newberry along both sides of Highway M28, from the Luce/Chippewa County line to the west end of the Basnau Road. The Basnau Road (a maintained gravel County Road) runs through the eastern third of the compartment. South Hendrie River Road, a dirt state forest road, runs north of M-28 into Sections 5 and 8. Access into the southwestern portion of the compartment is via seasonal forest roads across private land. Much of the compartment is accessible only by foot due to thick lowland timber types.

**Survey Needs:** Minimal survey work needed to accomplish prescribed treatments. Possibly need corners set on south side of Kenzington Club property in Section 9 (NW1/16 and NE1/16).

**Recreational Facilities and Opportunities:** There are no designated recreational facilities within the compartment. Recreational opportunities would include primarily hunting (deer and grouse), ORV riding, snowmobiling, and wildlife viewing. The Basnau Road is a known location for “birders” to view various species of song birds migrating through the area. Many local residents use the area to view deer during the winter months as well.

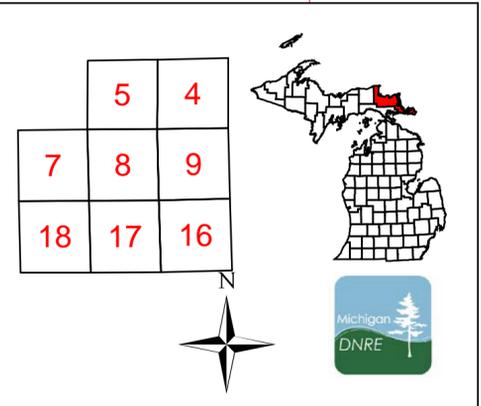
**Fire Protection:** The large fire growth potential for this compartment is low because it contains mostly lowland cover types and reduces the risk to private properties to moderate. Modified suppression tactics may be needed to suppress fires in this compartment because of the inoperability of heavy equipment in the lowland 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**

# Cover Type & Treatment Map

Compartment 073  
 T45N, R07W, Sec. 4, 5, 7-9, 16-18  
 County: Chippewa  
 Unit: Newberry  
 YOE: 2012  
 Acres: 3,453 GIS Calculated  
 Stand Examiner: Jason Tokar  
 Map Revised: 11/1/2010  
 Map Phase: Pre-Review



**Legend**

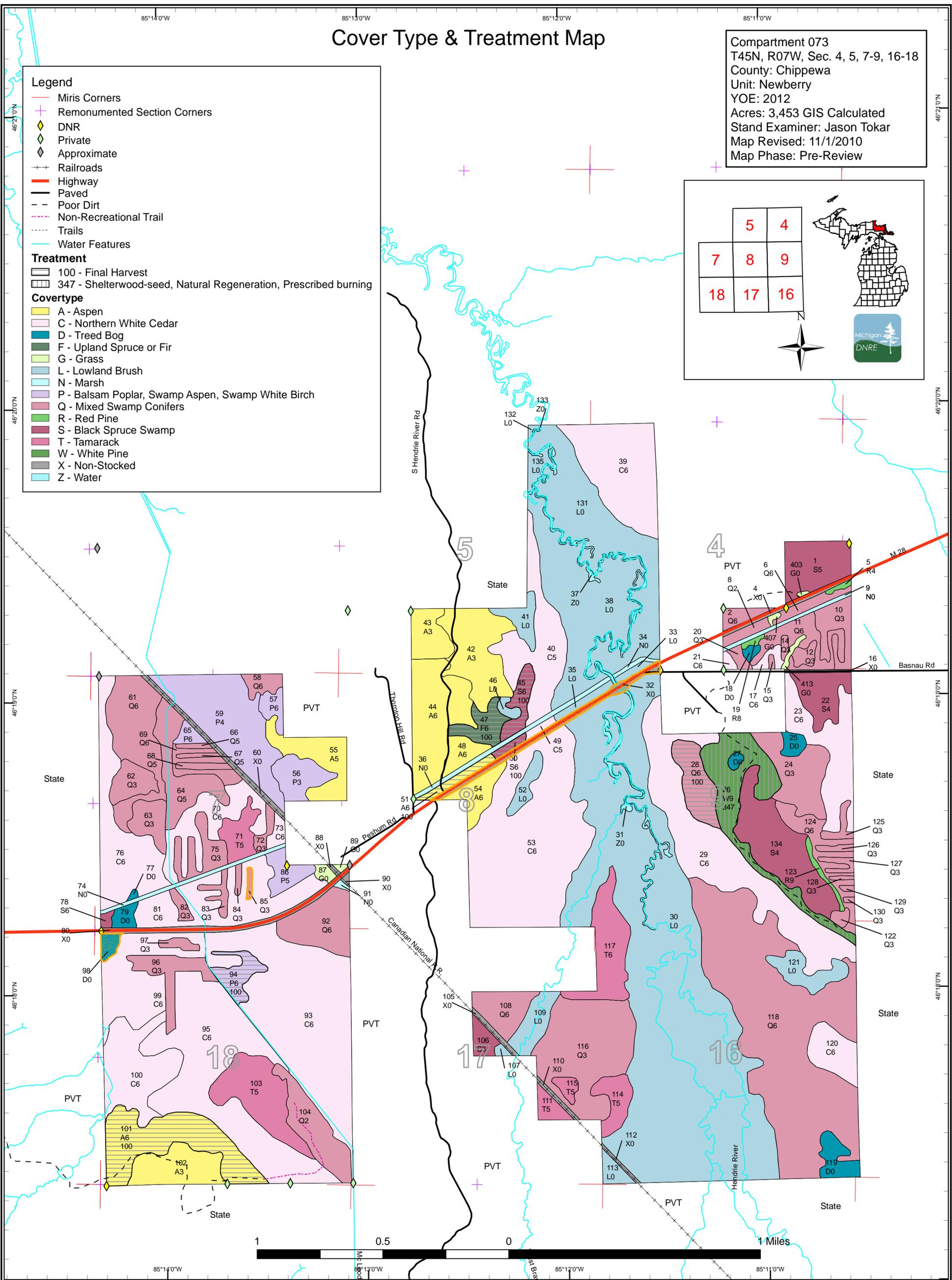
- Miris Corners
- ✦ Remonumented Section Corners
- ◆ DNR
- ◇ Private
- ◇ Approximate
- +++ Railroads
- Highway
- Paved
- - - Poor Dirt
- · - · Non-Recreational Trail
- Trails
- Water Features

**Treatment**

- ▨ 100 - Final Harvest
- ▨ 347 - Shelterwood-seed, Natural Regeneration, Prescribed burning

**Covertypes**

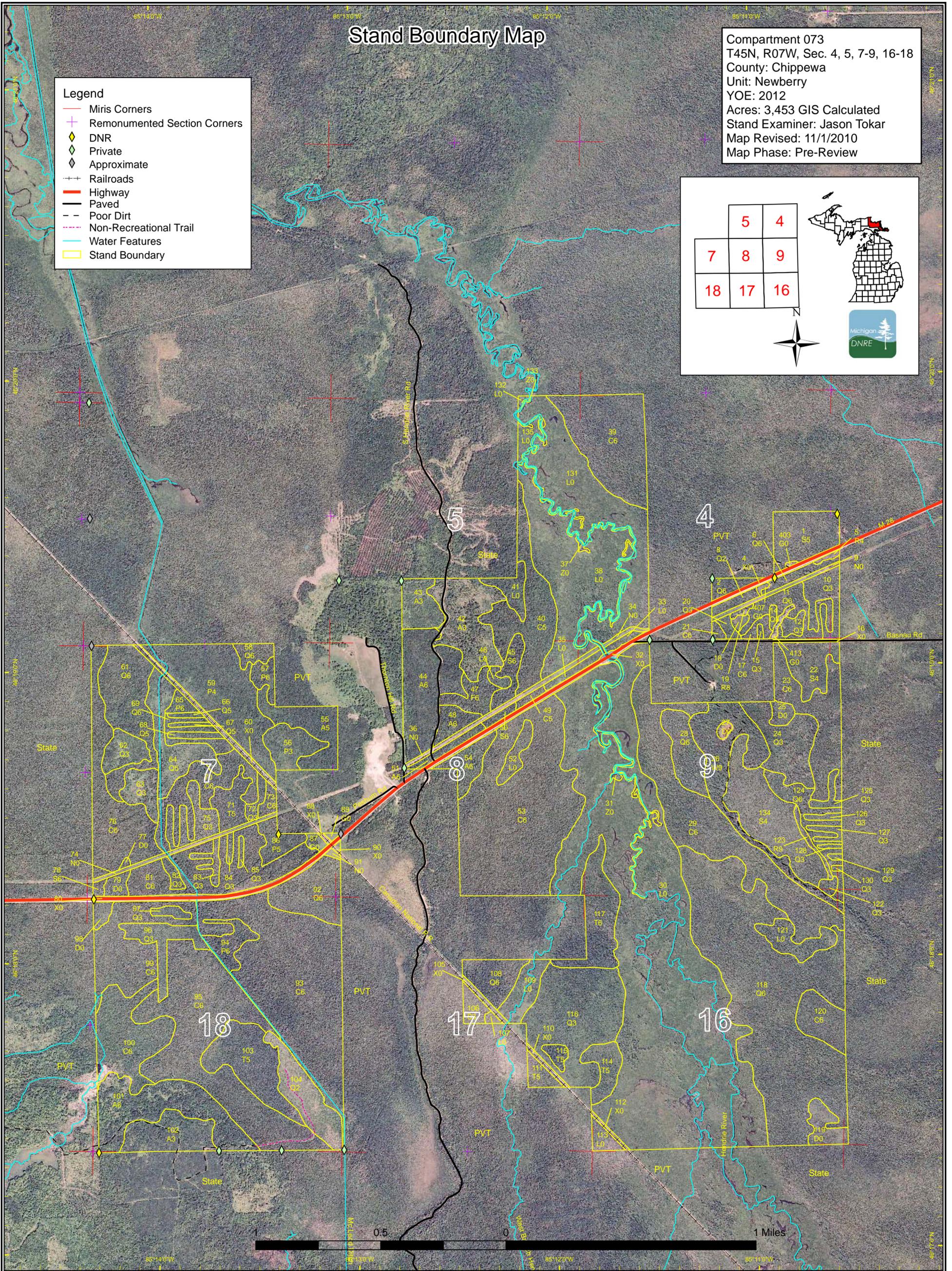
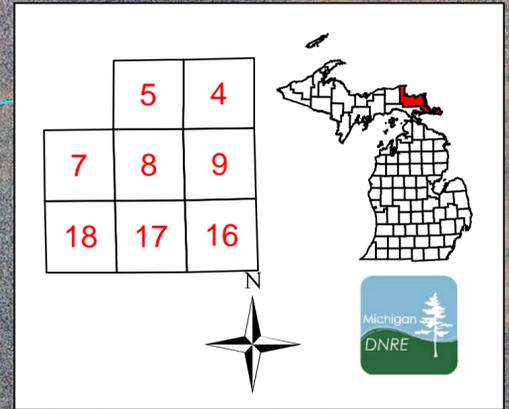
- A - Aspen
- C - Northern White Cedar
- D - Treed Bog
- F - Upland Spruce or Fir
- G - Grass
- L - Lowland Brush
- N - Marsh
- P - Balsam Poplar, Swamp Aspen, Swamp White Birch
- Q - Mixed Swamp Conifers
- R - Red Pine
- S - Black Spruce Swamp
- T - Tamarack
- W - White Pine
- X - Non-Stocked
- Z - Water



# Stand Boundary Map

Compartment 073  
 T45N, R07W, Sec. 4, 5, 7-9, 16-18  
 County: Chippewa  
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- Legend**
- Miris Corners
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  - ++ Railroads
  - Highway
  - Paved
  - - - Poor Dirt
  - · - · Non-Recreational Trail
  - Water Features
  - Stand Boundary





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

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

CHIPPEWA COUNTY

COMPARTMENT: 73

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		66	30		85	24	63		7										275
Black Spruce					22	7		58	31	16									134
Cedar									170	243	361	61	150	72					1057
Grass	8																		8
Lowlnd Brush	762																		762
Lowlnd Poplr			18		12			73	11	13									127
Marsh	25																		25
Mx Swmp Cnfr		32		5	220	62	50	7	45	294	23				23				761
Non Stocked	58																		58
Red Pine				1										3				1	5
Spruce Fir										14									14
Tamarack										78	44								122
Treed Bog	31																		31
Water	25																		25
White Pine												53							53
<b>Total</b>	<b>909</b>	<b>98</b>	<b>48</b>	<b>6</b>	<b>339</b>	<b>93</b>	<b>113</b>	<b>138</b>	<b>264</b>	<b>658</b>	<b>428</b>	<b>114</b>	<b>150</b>	<b>75</b>	<b>23</b>			<b>1</b>	<b>3457</b>

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

CHIPPEWA COUNTY

COMPARTMENT: 73

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	275																										275
S Black Spruce		134																									134
C Cedar				1057																							1057
G Grass					8																						8
L LowInd Brush									762																		762
P LowInd Poplr										127																	127
N Marsh											25																25
Q Mx Swmp Cnfr												761															761
X Non Stocked													58														58
R Red Pine																5											5
F Spruce Fir																			14								14
T Tamarack																					122						122
D Treed Bog																							31				31
Z Water																									25		25
W White Pine																										53	53
<b>Total</b>	275	134		1057	8				762	127	25	761	58			5			14		122	31			25	53	3457

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

CHIPPEWA COUNTY

COMPARTMENT: **73**

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

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	5101 Cds	Hardwood	1554 Cds
Softwood	34257 Cds	Softwood	1831 Cds
Softwood	629 Mbf	Softwood	289 Mbf
Sum TotVol	40616 Cds	Sum CutVol	3963 Cds
<b>Total Cmpt Acres</b>		Acres Proposed For Cut.....	187
	3457	Acres Meeting Silv Criteria.....	715
		Acres Not Meeting Silv Criteria.....	2742
		Acres Unable to Determine Silv Criteria For.....	

**NEWBERRY FOREST MGT UNIT**

**Proposed Treatments  
With NO Limiting Factors**

**Compartment: 73**

**Entry Year: 2012**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status
<b>45</b>	<b>S6</b>	11	86	44	BLACK SPRUCE-SWAMP	MATURE	FINAL HARVEST	1		
<p>comnts Fmd : Lowland black spruce with component of white pine. Some cedar. Some dieback and mortality in the spruce. Pockets of S5 with thicker spruce understory. Areas of higher white pine component. No deer activity. Prescribe stand for final harvest, clearcut with reserves. Leave a few spruce and cedar for leave trees as well as a few supercanopy white pine. Management objective of black spruce. Alternate Management objective (acceptable species mix) of spruce and aspen with a mixed swamp conifer component</p> <p>Wld : leave trees as per forestry comments is ok.</p>										
<b>47</b>	<b>F6</b>	14	83	42	SPRUCE-FIR (UPLANDS-INCLUDING UPLAND BLACK SPRUCE)	MATURE	FINAL HARVEST	1		
<p>comnts Fmd : Mature white spruce with aspen, white birch, red maple and black spruce. Aspen is dying. Blowdown in aspen and spruce. Occasional hemlock. Understory of mainly balsam 2-4 in. dbh. Prescribe stand for final harvest, clearcut with reserves. Lots of young balsam and spruce (4 inches and less in diam) will remain after harvest. Leave retention in pockets with spruce and hemlock. No other retention needed, small acreage and narrow stand throughout most of the area. Good species diversity in adjacent stands.</p> <p>Per-pre-review - leave retention pockets to concentrate on spruce and hemlock areas.</p> <p>Management objective of upland spruce. Alternate management objective (acceptable species mix) of upland spruce and fir with component of aspen, maple.</p> <p>Wld : make sure retention pockets include mature spruce and white pine where they exist and leave hemlock.</p>										
<b>50</b>	<b>S6</b>	3	86	44	BLACK SPRUCE-SWAMP	MATURE	FINAL HARVEST	1		
<p>comnts Fmd : Lowland black spruce with component of white pine. Some cedar. Some dieback and mortality in the spruce. Pockets of S5 with thicker spruce understory. Areas of higher white pine component. No deer activity. Prescribe stand for final harvest, clearcut with reserves. Leave a few spruce and cedar for leave trees as well as a few supercanopy white pine. Management objective of black spruce. Alternate Management objective (acceptable species mix) of spruce and aspen with a mixed swamp conifer component</p> <p>Wld : leave trees as per forester comments is OK.</p>										
<b>51</b>	<b>A6</b>	7	75	57	ASPEN (UPLAND)	MATURE	FINAL HARVEST	1		
<p>comnts Fmd : Mature aspen stand between M-28 and the powerline ROW. Pockets of overmature aspen and areas with smaller diameter, more healthy aspen. Some mortality. Mix of species in areas. Prescribe stand for final harvest, clearcut with reserves. Leave red pine, white pine and a few large spruce for visual concerns along the highway. Narrow stand, no other retention needed. Management objective of aspen. Alternate management objective of aspen, maple, spruce, balsam, white birch.</p> <p>MDOT ROW is 200 ft through this area (100ft each side of center line) Good portion of this stand falls within the ROW. Made a call to Dan Hamlin (Resource Specialist) with MDOT about possible harvest within the ROW in order to manage the entire stand at one time. Will help eliminate trees blowing down into the cleared ROW from the remaining narrow strip of uncut timber</p> <p>Wld : no retention is fine.</p>										
<b>Total Acres.....</b>		<b>35</b>								

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
26	W9	53	105	60	WHITE PINE	TWO AGED	SHELTERWOOD-SEED	2	NATURAL REGENERATION	

TREATMENT LIMITING FACTORS: Adjacent landowner denies access

comnts Fmd : Nice ridge of large diameter white pine. Component of red pine which increases in the southern reaches of the stand. Northern portion of the stand has a very advanced balsam understory. Access is through private property. Stand was prescribed for an RX burn last YOE to reduce balsam understory and promote WP regeneration. Burn was successful in areas that were burned (southern part of ridge). Total burned was 6 acres (9/29/04). Northern portion of the stand has a very advanced balsam understory, burning would be difficult without possible damage to overstory. Prescription for the stand is to treat with a shelterwood harvest, with requirement to reduce balsam understory as well (cut, run over, or chipping operation). Possible chipping of the balsam is best to reduce fuel loading. Follow the harvest with an RX burn to reduce remaining balsam understory and promote more WP/RP regeneration. Management objective of white pine with red pine. Alternate management objective (acceptable species mix) of white pine, red pine, hemlock, with component of maple. Limiting factor of private land access. Access road goes through yard of the private camp, may be difficult to get log truck into the stand without significant damage to area near camp without re-routing road.

Wld : do not harvest any hemlock.

28	Q6	23	92	31	MIXED SWAMP CONIFER	MATURE	FINAL HARVEST	2		
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TREATMENT LIMITING FACTORS: Adjacent landowner denies access  
Blocked by other physical obstacle

comnts Fmd : Mixed stand of black spruce and cedar. Stand is over half black spruce. No deer activity this winter. Old notes from 2001 state no deer activity that winter either. Actual deer yarding area is further to the east. Prescribe stand for final harvest, clearcut with reserves. Leave a few retention pockets of cedar. Harvest as one sale with stand 26. Access issues of private land access as well as steep slope on edge of stand 26. Management objective of black spruce and cedar. Alternate management objective (acceptable species mix) of mixed lowland swamp conifers.

Per pre-review - Stand management prescription could not be agreed upon. Needs more discussion/review with field staff and biologist.

Wld : leave all hemlock and and non-single cedar trees. Winter cut and no chipping allowed in deer yards.

94	P6	13	84	50	BALSAM POPLAR & SWAMP ASPEN and SWAMP WHITE BIRCH	MATURE	FINAL HARVEST	3		
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TREATMENT LIMITING FACTORS: Road needed (resources not presently available)  
Influence zones  
Deer yards

comnts Fmd : Mature white birch (large dbh) with balsam poplar, large white spruce and some cedar. Open canopy. Mortality and blowdown. Maple and birch regen in spots. Prescribe stand for treatment. Final harvest, clearcut with reserves. Management objective of lowland aspen/birch. Alternate management objective (acceptable species mix) of lowland aspen and birch with red maple, spruce, balsam and cedar. Access off of M-28 may be difficult, road and approach to highway needed. Small acreage for what might be a lot of road work. Check with WLD to see if maybe do a non-commercial cut to provide regeneration for food for deer.

Per pre-review - Needs more discussion/review with field staff and biologist. Prescription specifications were not agreed to.

Wld : winter cut timing and no chipping allowed. Leave all hemlock and non-single cedar.

101	A6	63	53	61	ASPEN (UPLAND)	MATURE	FINAL HARVEST	2		
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TREATMENT LIMITING FACTORS: Adjacent landowner denies access

comnts Fmd : Patchy aspen stand. Clumps of mature aspen clones. Scattered oversized aspen and bam. Mortality in a lot of the bam. Aspen is fairly healthy. Component of balsam 2-4 inch diameter. Component of black ash, white birch, maple. Browse on the maple saplings. 98 pulp = balsam and white pine. Prescribe stand for final harvest, clearcut with reserves. Access to the stand is through private land to the west. Access has been granted in the past. Leave a couple retention pockets, with aspen and conifers. Can leave all large supercanopy white pine if desired. Winter harvest due to road conditions/soil types.

Per pre-review - Needs more discussion/review with field staff and biologist. Prescription specifications were not agreed to.

Management objective of aspen, will get a component of conifer and maple. Alternate management objective (acceptable species mix) of aspen, maple, spruce, balsam, white pine and cherry, white birch.

Wld : winter cut and no chipping allowed. Leave scattered conifers and supercanopy white pine.. Leave some mature aspen in retention pockets and red line trees.

Total Acres..... 152

\* 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 B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	S 5	S 2	31	75	8	60	38	black spruce-swamp	two aged	N		10-19 years	0	
comnts Fmd : Black spruce with tamarack, balsam and cedar. Stand has areas of higher BA of mature spruce. Cedar is a minor component, mainly closer to the highway. Manage stand for black spruce. Multi aged stand due to past cutting. Harvest stand next YOE. ***2001 notes - Patch cuts for deer food in 60's, 70's and 80's.														
2	Q 6	Q 1	6	70	9	90	38	mixed swamp conifer	mature	N		10-19 years	0	
comnts Fmd : Mix of tamarack, spruce and cedar. West end almost all cedar, rest is tamarack and spruce. Patchy appearance due to old cuts. Open canopy throughout. No deer activity. Occasional elm. Harvest stand next YOE. ***2001 notes - patch cuts for deer food in 60's, 70's, and 80's.														
4	X 0	X 0	7		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Highway M-28 and cleared right of way.														
5	R 4	R 2	1	25	5	10	45	red pine	immature	N		60-69 years	0	
comnts Fmd : Small open stand w/red pine along M-28														
6	Q 6	Q 3	7	66	8	90	38	mixed swamp conifer	immature	N		20-29 years	0	
comnts Fmd : Q6 stand between M-28 and powerline ROW. Mix of high and low ground. Spruce, cedar, red and white pine.														
8	Q 2	L 0	5	25		0	35	mixed swamp conifer	immature	N		not scheduled	0	
comnts Fmd : Cloverland Electric Cooperative Powerline ROW. Marsh grasses and cattails.														
10	Q 3	S 2	17	40	0	0	38	mixed swamp conifer	immature	N		50-59 years	0	
comnts Fmd : Old strip and patch cuts done for deer food over a period of 10-20 years. Some small merchantable black spruce and tamarack. Mix of spruce, cedar, white pine, white birch, tag alder. Pockets of S4/S5.														
11	Q 6	Q 3	21	75	8	80	38	mixed swamp conifer	two aged	N		20-29 years	0	
comnts Fmd : Q6 stand with pockets of cedar and areas of Q5. Open canopy in areas. Q3 understory of balsam, spruce and some cedar.														
12	Q 3	S 2	4	40	0	0	38	mixed swamp conifer	immature	N		50-59 years	0	
comnts Fmd : Old strip and patch cuts done for deer food over a period of 10-20 years. Some small merchantable black spruce and tamarack. Mix of spruce, cedar, white pine, white birch, tag alder. Pockets of S4/S5.														
14	Q 3	S 2	1	40	0	0	38	mixed swamp conifer	immature	N		50-59 years	0	
comnts Fmd : Old strip and patch cuts done for deer food over a period of 10-20 years. Some small merchantable black spruce and tamarack. Mix of spruce, cedar, white pine, white birch, tag alder. Pockets of S4/S5.														
15	Q 3	S 2	1	40	0	0	38	mixed swamp conifer	immature	N		50-59 years	0	
comnts Fmd : Old strip and patch cuts done for deer food over a period of 10-20 years. Some small merchantable black spruce and tamarack. Mix of spruce, cedar, white pine, white birch, tag alder. Pockets of S4/S5.														

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

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Age	Acres	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
16	X 0	X 0	2		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Basnau Road and cleared ROW.														
17	C 6	Q 2	4	92	9	140	30	cedar	mature	N		not scheduled	0	
comnts Fmd : Small pocket of nice cedar.														
18	D 0	D 0	2		0	0		treed bog	nonstocked	N		not scheduled	0	
19	R 8	F 2	1		14	40	45	red pine	two aged	N		not scheduled	0	
comnts Fmd : small ridge of red pine along powerline														
20	Q 3	P 3	3	33	0	0	40	mixed swamp conifer	immature	N		30-39 years	0	
comnts Fmd : Stand cut in 1977 as sale #24-76. Regeneration is spruce, tamarack, white pine, balsam, white birch and aspen. More aspen and white birch near road. Some cedar regeneration. Q3/P3. Good example of regen to expect if harvest "Q" types in the area.														
21	C 6	Q 2	2	92	9	140	30	cedar	mature	N		not scheduled	0	
comnts Fmd :														
22	S 4	S 3	22	31	4	20	38	black spruce-swamp	immature	N		50-59 years	0	
comnts Fmd : Black spruce and tamarack with scattered cedar and white birch. Few supercanopy white pine. Some spruce and tamarack moving into merchantable size class. Cut records show stand was harvested as sale #32-78. NW corner of stand is small diameter cedar and tamarack.														
23	C 6	Q 2	47	115	9	130	28	cedar	mature	N		not scheduled	0	
comnts Fmd : Cedar stand with tamarack and black spruce. Areas of stand have a more open canopy.														
24	Q 3	S 3	35	32	0	0	40	mixed swamp conifer	immature	N		40-49 years	0	
comnts Fmd : Lowland stand with a lot of black spruce regeneration. Also tamarack, white birch, black ash and some cedar. Ridges with mature red pine and white pine. Cut as sale #38-78. Finished in 1979.														
25	D 0	D 0	5		0	0		treed bog	nonstocked	N		not scheduled	0	

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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								

26	W 9	F 3	53	105	14	130	60	white pine	two aged	Y	shelterwood-seed	within 0-9 years	2	natural regeneration
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Treatment Limiting Factors:

Adjacent landowner denies access

comnts Fmd : Nice ridge of large diameter white pine. Component of red pine which increases in the southern reaches of the stand. Northern portion of the stand has a very advanced balsam understory. Access is through private property. Stand was prescribed for an RX burn last YOY to reduce balsam understory and promote WP regeneration. Burn was successful in areas that were burned (southern part of ridge). Total burned was 6 acres (9/29/04). Northern portion of the stand has a very advanced balsam understory, burning would be difficult without possible damage to overstory. Prescription for the stand is to treat with a shelterwood harvest, with requirement to reduce balsam understory as well (cut, run over, or chipping operation). Possible chipping of the balsam is best to reduce fuel loading. Follow the harvest with an RX burn to reduce remaining balsam understory and promote more WP/RP regeneration. Management objective of white pine with red pine. Alternate management objective (acceptable species mix) of white pine, red pine, hemlock, with component of maple. Limiting factor of private land access. Access road goes through yard of the private camp, may be difficult to get log truck into the stand without significant damage to area near camp without re-routing road.

Wld : do not harvest any hemlock.

27	D 0	D 0	2		0	0		treed bog	nonstocked	N		not scheduled	0	
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28	Q 6	Q 3	23	92	8	150	31	mixed swamp conifer	mature	Y	final harvest	within 0-9 years	2	
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Treatment Limiting Factors:

Adjacent landowner denies access

Blocked by other physical obstacle

comnts Fmd : Mixed stand of black spruce and cedar. Stand is over half black spruce. No deer activity this winter. Old notes from 2001 state no deer activity that winter either. Actual deer yarding area is further to the east. Prescribe stand for final harvest, clearcut with reserves. Leave a few retention pockets of cedar. Harvest as one sale with stand 26. Access issues of private land access as well as steep slope on edge of stand 26. Management objective of black spruce and cedar. Alternate management objective (acceptable species mix) of mixed lowland swamp conifers.

Per pre-review - Stand management prescription could not be agreed upon. Needs more discussion/review with field staff and biologist.

Wld : leave all hemlock and and non-single cedar trees. Winter cut and no chipping allowed in deer yards.

29	C 6	Q 2	116	92	8	130	31	cedar	immature	N		not scheduled	0	
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comnts Fmd : Cedar stand with spruce component. C6 with a Q6 component. No deer activity.

30	L 0	L 0	482		0	0		lowland brush	nonstocked	N		not scheduled	0	
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comnts Fmd : Lowland brush along the Hendrie River

31	Z 0	Z 0	10		0	0		water	nonstocked	N		not scheduled	0	
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comnts Fmd : Hendrie River

32	X 0	X 0	15		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
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comnts Fmd : Highway M-28 and cleared right of way.

33	L 0	L 0	3		0	0		lowland brush	nonstocked	N		not scheduled	0	
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comnts Fmd : Lowland brush along the Hendrie River

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	B	Tot. BA							
34	N 0	N 0	2		0	0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Cloverland Electric Cooperative Powerline ROW. Marsh grasses and cattails.														
35	L 0	L 0	5		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush along the Hendrie River														
36	N 0	N 0	10		0	0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Cloverland Electric Cooperative Powerline ROW. Marsh grasses and cattails.														
37	Z 0	Z 0	14		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Hendrie River														
38	L 0	L 0	99		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush along the Hendrie River														
39	C 6	Q 2	72	120	10	180	29	cedar	mature	N		not scheduled	0	
comnts Fmd : Small, low quality cedar. Open stand, very wet. Transitions to an "L" type to east. More of a C6 near highway.														
40	C 5	Q 2	54	92	6	60	27	cedar	low quality	N		not scheduled	0	
comnts Fmd : Small, low quality cedar. Open stand, very wet. Transitions to an "L" type to east. More of a C6 near highway.														
41	L 0	L 0	10		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush along the Hendrie River														
42	A 3	F 2	48	7	0	0	65	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Harvested as "Peshim's Aspen", sale #016-02-01. Completed 5/7/03. Young aspen. Good component of spruce and balsam (left from harvest). Some cedar residual. Pocket of white pine (W7/W8) left after harvest as well. Scattered hemlock. Aspen and maple regen is 10-15 ft tall. Lots of species and structural diversity.														
43	A 3	M 2	18	7	0	0	65	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : "Peshims Aspen", sale #016-02-01. Complete 2003. Young aspen 10-15 ft tall. Good regen throughout. Low pockets. Good balsam component. Areas of P3.														
44	A 6	F 2	56	28	7	80	65	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Young aspen stand transitioning from A3 to A6. Component of white spruce, balsam, white birch and red maple.														
45	S 6	S 2	11	86	9	100	44	black spruce-swamp	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Lowland black spruce with component of white pine. Some cedar. Some dieback and mortality in the spruce. Pockets of S5 with thicker spruce understorey. Areas of higher white pine component. No deer activity. Prescribe stand for final harvest, clearcut with reserves. Leave a few spruce and cedar for leave trees as well as a few supercanopy white pine. Management objective of black spruce. Alternate Management objective (acceptable species mix) of spruce and aspen with a mixed swamp conifer component Wld : leave trees as per forestry comments is ok.														
46	L 0	L 0	3		0	0		lowland brush	nonstocked	N		not scheduled	0	

Stand	Cover Type-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							
47	F 6	F 3	14	83	10	110	42	spruce-fir (uplands-including upland black spruce)	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : Mature white spruce with aspen, white birch, red maple and black spruce. Aspen is dying. Blowdown in aspen and spruce. Occasional hemlock. Understory of mainly balsam 2-4 in. dbh. Prescribe stand for final harvest, clearcut with reserves. Lots of young balsam and spruce (4 inches and less in diam) will remain after harvest. Leave retention in pockets with spruce and hemlock. No other retention needed, small acreage and narrow stand throughout most of the area. Good species diversity in adjacent stands.</p> <p>Per-pre-review - leave retention pockets to concentrate on spruce and hemlock areas.</p> <p>Management objective of upland spruce. Alternate management objective (acceptable species mix) of upland spruce and fir with component of aspen, maple.</p> <p>Wld : make sure retention pockets include mature spruce and white pine where they exist and leave hemlock.</p>														
48	A 6	F 3	10	43	8	100	65	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Stand of smaller diameter aspen. Pockets of larger, more mature aspen. Good conifer and maple component. Leave for 10 years. Younger aspen.</p>														
49	C 5	Q 2	2	92	6	60	27	cedar	low quality	N		not scheduled	0	
<p>comnts Fmd : Small, low quality cedar. Open stand, very wet. Transitions to an "L" type to east. More of a C6 near highway.</p>														
50	S 6	S 2	3	86	9	100	44	black spruce-swamp	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : Lowland black spruce with component of white pine. Some cedar. Some dieback and mortality in the spruce. Pockets of S5 with thicker spruce understory. Areas of higher white pine component. No deer activity. Prescribe stand for final harvest, clearcut with reserves. Leave a few spruce and cedar for leave trees as well as a few supercanopy white pine. Management objective of black spruce. Alternate Management objective (acceptable species mix) of spruce and aspen with a mixed swamp conifer component</p> <p>Wld : leave trees as per forester comments is OK.</p>														
51	A 6	M 2	7	75	10	120	57	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : Mature aspen stand between M-28 and the powerline ROW. Pockets of overmature aspen and areas with smaller diameter, more healthy aspen. Some mortality. Mix of species in areas. Prescribe stand for final harvest, clearcut with reserves. Leave red pine, white pine and a few large spruce for visual concerns along the highway. Narrow stand, no other retention needed. Management objective of aspen. Alternate management objective of aspen, maple, spruce, balsam, white birch.</p> <p>MDOT ROW is 200 ft through this area (100ft each side of center line) Good portion of this stand falls within the ROW. Made a call to Dan Hamlin (Resource Specialist) with MDOT about possible harvest within the ROW in order to manage the entire stand at one time. Will help eliminate trees blowing down into the cleared ROW from the remaining narrow strip of uncut timber</p> <p>Wld : no retention is fine.</p>														
52	L 0	L 0	9		0	0		lowland brush	nonstocked	N		not scheduled	0	
53	C 6	Q 3	170	68	8	120	30	cedar	immature	N		not scheduled	0	
<p>comnts Fmd : Cedar stand. Low quality on the east side (stunted and small bordering the "L").</p>														
54	A 6	F 3	14	43	8	100	65	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Stand of smaller diameter aspen. Pockets of larger, more mature aspen. Good conifer and maple component. Leave for 10 years. Younger aspen.</p>														
55	A 5	M 2	29	36	7	60	52	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : A5/P5. Young aspen 7" dbh. East is more of an "A" type and west edge is more of a "P" type.</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								
56	P 3	P 3	18	16	0	0	55	balsam poplar & swamp aspen and swamp white birch	immature	N		40-49 years	0	
comnts Fmd : Cut as sale #18-92-01. Cut in 1994. Young aspen, fairly wet stand. Good balsam component.														
57	P 6	Q 3	7	72	10	100	52	balsam poplar & swamp aspen and swamp white birch	mature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Adjacent landowner denies access Delayed treatment for age/size class diversity														
comnts Fmd : Dora muck														
58	Q 6	Q 2	7	72	8	150	38	mixed swamp conifer	immature	N		20-29 years	0	
59	P 4	Q 2	73	65	8	40	47	balsam poplar & swamp aspen and swamp white birch	low quality	Y		50-59 years	0	
<u>Treatment Limiting Factors:</u> Too wet Inferior quality														
comnts Fmd : Patchy, low quality timber over tag alder and low ground. Open stand. P5/P4 patches. Very low quality aspen, red maple, spruce and balsam. Not a stand to worry about treating.														
60	X 0	X 0	10		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Canadian National Railroad Right of Way.														
61	Q 6	Q 3	50	50	9	110	30	mixed swamp conifer	two aged	N		60-69 years	0	
comnts Fmd : Mostly cedar with tamarack, black spruce, red maple, and some aspen and black ash. Thick in many areas with regeneration. ***Old notes - older trees ranging from 1890-1920 and younger trees ranging from 1950-1970.														
62	Q 3	Q 3	14	28	0	0	29	mixed swamp conifer	immature	N		60-69 years	0	
63	Q 3	Q 3	14	28	0	0	29	mixed swamp conifer	immature	N		60-69 years	0	
64	Q 5	Q 3	32	45	7	40	29	mixed swamp conifer	immature	N		50-59 years	0	
65	P 6	Q 3	4	72	10	100	52	balsam poplar & swamp aspen and swamp white birch	mature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Blocked by other physical obstacle Deer yards														
comnts Fmd : Small isolated stand of lowland aspen with spruce and cedar. Virtually no access to the stand (deer yard - cedar stands surrounding the stand and railroad tracks). Dora muck														

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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 H	Tot. BA								
66	Q 5	Q 3	2	45	7	40	29	mixed swamp conifer	immature	N		50-59 years	0	
67	Q 5	Q 3	2	45	7	40	29	mixed swamp conifer	immature	N		50-59 years	0	
68	Q 5	Q 3	3	45	7	40	29	mixed swamp conifer	immature	N		50-59 years	0	
69	Q 6	Q 3	11	75	7	80	29	mixed swamp conifer	two aged	N		20-29 years	0	
70	C 6	F 2	36	110	9	180	29	cedar	mature	N		not scheduled	0	
comnts Fmd : Cedar stand. Deer yard. Some breaks in canopy with more balsam understory. Migration trails. Patches of tamarack. Areas of large diameter cedar. No deer activity winter of 2010.														
71	T 5	Q 2	15	80	8	60	40	tamarack	mature	Y		10-19 years	0	
Treatment Limiting Factors: Cedar or Hemlock cutting restraints Blocked by other physical obstacle Deer yards														
comnts Fmd : Tamarack over 1-2 stick cedar. T6/Q6/Q5/T4. Pockets with nice tall tamarack and others with lower quality timber. Balsam throughout, open canopy.														
72	Q 3	Q 3	4	31	0	0	33	mixed swamp conifer	immature	N		40-49 years	0	
comnts Fmd : Sale #1-79A. Spruce, balsam, white birch, tamarack. Some cedar regen.														
73	C 6	F 2	4	110	9	180	29	cedar	mature	N		not scheduled	0	
comnts Fmd : Cedar stand. Deer yard. Some breaks in canopy with more balsam understory. Migration trails. Patches of tamarack. Areas of large diameter cedar. No deer activity winter of 2009-2010.														
74	N 0	N 0	7		0	0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Cloverland Electric Cooperative Powerline ROW. Marsh grasses and cattails.														
75	Q 3	Q 3	16	28	0	0	29	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Black spruce and tamarack, with white birch and balsam. Good regeneration.														
76	C 6	Q 3	61	100	9	170	30	cedar	mature	N		not scheduled	0	
comnts Fmd : Cedar stand with tamarack and spruce. Pockets of nice thick cedar. Areas with smaller, shorter cedar. Deer yard habitat, but no deer activity.														
77	D 0	D 0	1		0	0		treed bog	nonstocked	N		not scheduled	0	

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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
78	S 6	S 2	2	82	9	100	43	black spruce-swamp	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u>                      Inadequate volume due to small acreage                      Delayed treatment for age/size class diversity</p> <p>comnts Fmd : Black spruce and tamarack. More tamarack near the highway ROW. Mortality in the tamarack.</p>														
79	D 0	D 0	5		0	0		treed bog	nonstocked	N		not scheduled	0	
80	X 0	X 0	15		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Highway M-28 and cleared right of way.</p>														
81	C 6	F 2	63	110	9	180	29	cedar	mature	N		not scheduled	0	
<p>comnts Fmd : Cedar stand. Deer yard. Some breaks in canopy with more balsam understory. Migration trails. Patches of tamarack. Mixed stand in the southeast portion of the stand near highway. Areas of large diameter cedar. No deer activity winter of 2009-2010.</p>														
82	Q 3	F 2	4	34	0	0	33	mixed swamp conifer	immature	N		40-49 years	0	
83	Q 3	P 2	5	34	0	0	33	mixed swamp conifer	immature	N		40-49 years	0	
<p>comnts Fmd : Heavy browsing on maple regen. Mix of spruce, balsam, tamarack, maple, white birch, aspen and some cedar.</p>														
84	Q 3	P 2	2	34	0	0	33	mixed swamp conifer	immature	N		40-49 years	0	
<p>comnts Fmd : Q3 with spruce, tamarack, white birch, some cedar regen. Lots of balsam, some white pine regen. A few merchantable spruce and balsam. Thick.</p>														
85	Q 3	P 2	1	34	0	0	33	mixed swamp conifer	immature	N		40-49 years	0	
<p>comnts Fmd : Q3 with spruce, tamarack, white birch, some cedar regen. Lots of balsam, some white pine regen. A few merchantable spruce and balsam. Thick.</p>														
86	P 5	P 3	12	30	5	50	50	balsam poplar & swamp aspen and swamp white birch	immature	N		30-39 years	0	
<p>comnts Fmd : Sale #1-79A. Young aspen stand, lower ground. Component of Balsam poplay. Stand ranges from a P3 to a P5. Good balsam component in understory</p>														
87	G 0	G 0	3		0	0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Clear vision area at intersection of Canadian National Railroad ROW and Highway M-28.</p>														
88	X 0	X 0	1		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Canadian National Railroad Right of Way.</p>														
89	G 0	G 0	1		0	0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Clear vision area at intersection of Canadian National Railroad ROW and Highway M-28.</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								
90	X 0	X 0	1		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Canadian National Railroad Right of Way.														
91	N 0	N 0	1		0	0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Clear vision area at intersection of Canadian National Railroad ROW and Highway M-28.														
92	Q 6	Q 3	33	82	9	90	46	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Influence zones Deer yards														
93	C 6	C 2	162	88	9	160	32	cedar	mature	N		not scheduled	0	
comnts Fmd : C6 - mature cedar. Good deer yard habitat. Areas in stand with a mix of species - more of a Q6 (pockets).														
94	P 6	P 2	13	84	10	120	50	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 years	3	
<u>Treatment Limiting Factors:</u> Road needed (resources not presently available) Influence zones Deer yards														
comnts Fmd : Mature white birch (large dbh) with balsam poplar, large white spruce and some cedar. Open canopy. Mortality and blowdown. Maple and birch regen in spots. Prescribe stand for treatment. Final harvest, clearcut with reserves. Management objective of lowland aspen/birch. Alternate management objective (acceptable species mix) of lowland aspen and birch with red maple, spruce, balsam and cedar. Access off of M-28 may be difficult, road and approach to highway needed. Small acreage for what might be a lot of road work. Check with WLD to see if maybe do a non-commercial cut to provide regeneration for food for deer.														
Per pre-review - Needs more discussion/review with field staff and biologist. Prescription specifications were not agreed to.														
Wld : winter cut timing and no chipping allowed. Leave all hemlock and non-single cedar.														
95	C 6	Q 2	139	85	9	190	34	cedar	mature	N		not scheduled	0	
comnts Fmd : Nice cedar stand with deer use (although minimal in 2010). Component of spruce, tamarack and large white pine. Diameter ranges from 8 inches up to 14 inches. Thick basal area throughout most of the stand.														
96	Q 3	F 2	19	31	0	0	30	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Stand is a mix of regeneration. Aspen, balsam poplar, white birch, spruce, balsam, tamarack and some cedar. Majority of regen is spruce, balsam and tamarack.														
97	Q 3	F 2	4	31	0	0	30	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Stand is a mix of regeneration. Aspen, balsam poplar, white birch, spruce, balsam, tamarack and some cedar. Majority of regen is spruce, balsam and tamarack.														
98	D 0	D 0	4		0	0		treed bog	nonstocked	N		not scheduled	0	
99	C 6	Q 2	52	85	9	190	34	cedar	mature	N		not scheduled	0	
comnts Fmd : Nice cedar stand with deer use (although minimal in 2010). Component of spruce, tamarack and large white pine. Diameter ranges from 8 inches up to 14 inches. Thick basal area throughout most of the stand.														

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA	Site Indx							
100	C 6	Q 2	52	85	9	90	34	cedar	mature	N		not scheduled	0	
comnts Fmd : Open cedar stand. Fairly wet. Open areas throughout. Component of spruce, tamarack and large white pine.														
101	A 6	M 3	63	53	9	80	61	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
<u>Treatment Limiting Factors:</u> Adjacent landowner denies access														
comnts Fmd : Patchy aspen stand. Clumps of mature aspen clones. Scattered oversized aspen and bam. Mortality in a lot of the bam. Aspen is fairly healthy. Component of balsam 2-4 inch diameter. Component of black ash, white birch, maple. Browse on the maple saplings. 98 pulp = balsam and white pine. Prescribe stand for final harvest, clearcut with reserves. Access to the stand is through private land to the west. Access has been granted in the past. Leave a couple retention pockets, with aspen and conifers. Can leave all large supercanopy white pine if desired. Winter harvest due to road conditions/soil types.														
Pre pre-review - Needs more discussion/review with field staff and biologist. Prescription specifications were not agreed to.														
Management objective of aspen, will get a component of conifer and maple. Alternate management objective (acceptable species mix) of aspen, maple, spruce, balsam, white pine and cherry, white birch.														
Wld : winter cut and no chipping allowed. Leave scattered conifers and supercanopy white pine.. Leave some mature aspen in retention pockets and red line trees.														
102	A 3	M 2	30	14	0	0	60	aspen (upland)	immature	N		40-49 years	0	
103	T 5	Q 3	44	90	6	60	45	tamarack	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Inferior quality Delayed treatment for age/size class diversity														
comnts Fmd : Tamarack and spruce with scattered cedar. Small diameters 6-7 inch. Pockets of more spruce.														
104	Q 2	P 1	32	3	0	0	48	mixed swamp conifer	immature	N		70-79 years	0	
comnts Fmd : Harvested as "McLeod Ditch Tamarack", sale #017-02-01. Closed 7/19/07. Sparse regen at this time. Not much tamarack regen showing. Mostly spruce and balsam poplar. Cattails throughout.														
105	X 0	X 0	3		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Canadian National Railroad Right of Way.														
106	S 3	S 2	7	45	0	0	40	black spruce-swamp	low quality	N		50-59 years	0	
comnts Fmd : Flooded S3/S2. High component of dead spruce.														
107	L 0	L 0	1		0	0		lowland brush	nonstocked	N		not scheduled	0	
108	Q 6	Q 3	20	85	9	100	54	mixed swamp conifer	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Adjacent landowner denies access Road needed (resources not presently available) Blocked by other physical obstacle														
comnts Fmd : Q6/C6. Cedar, tamarack, spruce and white birch. Pocket of tamarack in center. Very limited access.														

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								
109	L 0	L 0	16		0	0		lowland brush	nonstocked	N		not scheduled	0	
110	X 0	X 0	2		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Canadian National Railroad Right of Way.														
111	T 5	Q 3	7	85	8	50	43	tamarack	low quality	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Blocked by other physical obstacle Inadequate volume due to small acreage														
112	X 0	X 0	2		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Canadian National Railroad Right of Way.														
113	L 0	L 0	6		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Flooded small cedar.														
114	T 5	Q 3	15	85	8	50	43	tamarack	low quality	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Blocked by other physical obstacle Inadequate volume due to small acreage														
115	T 5	Q 3	4	85	8	50	43	tamarack	low quality	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Blocked by other physical obstacle Inadequate volume due to small acreage														
116	Q 3	Q 2	84	36	0	0	43	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Q3/Q2/Q4. Mix of spruce, balsam, white birch, tamarack and cedar. Pockets of Q4. Open areas with tag alder.														
117	T 6	Q 3	37	85	8	80	43	tamarack	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Adjacent landowner denies access Blocked by other physical obstacle														
comnts Fmd : Virtually no access to the stand. Creek/river surrounding the stand. Tamarack with a spruce component.														
118	Q 6	Q 3	241	79	9	90	48	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Road needed (resources not presently available) Deer yards														
comnts Fmd : Patchy stand. Lots of variability within the stand. Mix of cedar, spruce and tamarack. Occasional white birch and red maple.														
119	D 0	D 0	12		0	0		treed bog	nonstocked	N		not scheduled	0	
120	C 6	Q 1	21	97	9	190	33	cedar	mature	N		not scheduled	0	

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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								
121	L 0	L 0	17		0	0		lowland brush	nonstocked	N		not scheduled	0	
122	Q 3	Q 3	3	35	0	0	37	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.														
123	R 9	S 2	3	118	16	160	58	red pine	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage														
124	Q 6	Q 3	23	135	8	80	27	mixed swamp conifer	low quality	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
125	Q 3	Q 3	4	35	0	0	37	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.														
126	Q 3	Q 3	2	35	0	0	37	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.														
127	Q 3	Q 3	3	35	0	0	37	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.														
128	Q 3	Q 3	1	35	0	0	37	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.														
129	Q 3	Q 3	1	35	0	0	37	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.														
130	Q 3	Q 3	1	35	0	0	37	mixed swamp conifer	immature	N		60-69 years	0	
comnts Fmd : Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.														
131	L 0	L 0	104		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush along the Hendrie River														
132	L 0	L 0	1		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush along the Hendrie River														
133	Z 0	Z 0	1		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Hendrie River														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acres	Age	avg. DBH		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	Tot. BA								
134	S 4	S 3	58	67	4	20	38	black spruce-swamp	immature	N		40-49 years	0	
135	L 0	L 0	6		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush along the Hendrie River														
403	G 0	G 0	1		0	0		grass	nonstocked	N		not scheduled	0	
407	G 0	G 0	1		0	0		grass	nonstocked	N		not scheduled	0	
413	G 0	G 0	2		0	0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : small open ridge with spruce edges. Abandoned road. Fair amount of dumping (appliances, etc).														
<b>Total Acres.....</b>			<b>3457</b>											