



**ROSCOMMON FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 142 ENTRY YEAR: 2009

Compartment Acreage: 1712 County: Roscommon

Revision Date: 08-28-2007

Stand Examiner: J. Hartman

Legal Description: T21N R3W sections 4, 5, and 8

Management Goals: Complete thinning treatments that were not able to be accomplished last entry period and final harvest a portion of the older red pine in this compartment, while protecting aesthetics along Reserve Road.

Soil and Topography: The northern parcel of this compartment is primarily ParVHa sites with a relatively high water table and transitions to ParVCo sites, creek drains, and non-forested wetlands in several areas. The southern portion is primarily ParVCo sites and wetland with upland inclusions.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The entire surrounding township is state owned land except for a 250 acre parcel located within this compartment. This parcel contains portions of Wolf Creek headwaters and lowland conifer stands. Future options for acquisition or conservation easement protection could be explored.--Camp Nokomis is also located on state land within this compartment. No records were found that dedicate a specific amount to state land to the use for this facility.

Unique, Natural Features: Bald eagle, Secretive locust, Loon, Bigmouth shiner, Wood turtle, Osprey, Great blue heron rookeries and Boreal brachionyncha have been identified in the vicinity. Potential unique plants include Alleghany plum and Hill's thistle.

Archeological, Historical, and Cultural Features: Most of the red pine plantations were originally established in 1918. Pre-Civilian Conservation Corps era plantations are somewhat unique. The plantations in this compartment were part of the first lands included in the state forest system.

Special Management Designations or Considerations: Stands of mature pine along Reserve Rd are being proposed as an SCA with the intention of creating a visual corridor with similar structural characteristics of the pre-settlements pineries of this area. Thinning and prescribed burning would be used to create this corridor, which would also create somewhat of a fuelbreak along Reserve Rd.

The parcel on the south end of the compartment is directly adjacent to a designated area surrounding the Lost Twin Lakes pathway. It is being proposed to add the whole southern portion of this compartment to that SCA and manage it in conjunction with the goals outlined for the Lost Twin Lakes area.

Watershed and Fisheries Considerations: A portion of the headwaters of Wolf Creek and several wetlands are located in this compartment.

Wildlife Habitat Considerations: Large tree retention would enhance the habitat values in the older plantations. Closures along unnecessary “40” roads may enhance the habitat values for species that require more seclusion and provide some more undisturbed hunting opportunities.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw is quarried for brick making clay elsewhere in the State. A gravel pit is located two miles to the east and potential appears to be good on the uplands. Headquarters Field is located one mile to the south. The field has produced over 11.3 million BO and 4.2 Bcf gas primarily from the Devonian Richfield Formation and is in secondary recovery operations currently. The Compartment is not currently leased.

Vehicle Access: Reserve Road, Waco Rd, Pete Road, and Bock Road are the primary County access routes to this compartment. Snowmobile trail, ORV trail, and ORV route bisect several forest roads which surround most 40 acre parcels. Several stretches of “40” road are not necessary and contribute to some illegal ORV activity. Road that have the potential to be closed have been identified on the compartment map.

Survey Needs: None needed.

Recreational Facilities and Opportunities: Snowmobile trail, ORV trail, and ORV route are all present in this compartment. The ORV route currently dead ends at an eroded hill climb. Opportunities to re-route and loop this route are being explored.

Fire Protection: There is good vehicle access and a number of water points throughout the compartment. Thinning and underburning will help to minimize the potential for sustained crown fire in the older pine dominated areas.

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

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 142

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			32		167	32		7		22									260
Black Spruce									8									8	16
Bog or Marsh	14																		14
Cedar										28									28
Jack Pine		73	69		53														195
Lowlnd Brush	62																		62
Marsh	247																		247
Mx Swmp Cnfr			7							5									12
Non Stocked	15																		15
Oak										71									71
Red Pine		3								186	161								350
Swamp Hrdwds								18		7									25
Upland Hdwds					6		15												21
Water	2																		2
White Pine					50				13	114	136		31					50	394
Total	340	76	108		276	32	15	25	21	433	297		31					58	1712

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

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: 142

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	260																										260
S Black Spruce		16																									16
V Bog or Marsh			14																								14
C Cedar				28																							28
J Jack Pine							151								44												195
L Lowlnd Brush									62																		62
N Marsh											247																247
Q Mx Swmp Cnfr												12															12
X Non Stocked													15														15
O Oak														71													71
R Red Pine														56	294												350
E Swamp Hrdwds																			25								25
M Upland Hdwds																								21			21
Z Water																									2		2
W White Pine																										394	394
Total	260	16	14	28			151		62		247	12	15	127	338				25					21	2	394	1712

AUSABLE STATE FOREST

ROSCOMMON FOREST MGT UNIT

ROSCOMMON COUNTY

COMPARTMENT: **142**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	2534 Cds	Hardwood	118 Cds
Hardwood	517 Mbf	Hardwood	8 Mbf
Softwood	6498 Cds	Softwood	1516 Cds
Softwood	5614 Mbf	Softwood	1808 Mbf
Sum TotVol	21294 Cds	Sum CutVol	5266 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
1712		213	

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 142 Entry Year: 2009

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status	
8	R9	31	95	69	red pine	immature	thinning	1			
comnts Fmd : Select 14-16" utility poles from above leaving poles for 10-12" dbh poles for another entry and large crowned stems with poor form for the retention at the end of the rotation.											
10	R9	8	95	69	red pine	two aged	final harvest	1	natural regeneration		
comnts Fmd : Large skid paths created last entry contain natural red pine regeneration in many spots. Clear-cut w/ reserves. Protect the established red pine regeneration by laying wood out in windrows. Create a new landing. There is good natural regen in the old landing.											
19	R9	15	84	69	red pine	old growth (potential or actual)	thinning	2	other - specify in remarks		
comnts Fmd : Thin from below. Leave most oak and maple. RX burn as part of the Pinery Restoration Corridor. SCA.											
29	W6	14	90	60	white pine	immature	thinning	2			
comnts Fmd : More of a W9 in several spots. Could be thinned from below for best tree in place. Favor leaving some oak, red pine, and jack pine for diversity and retention. Could also just leave alone. Most jack pine is in the finger to the west.											
34	R9	32	92	60	oak	mature	final harvest	1	natural regeneration		
comnts Fmd : Thinned in wide swaths last entry. Open grown and short. Some of the larger diameter red pine may leave pole class before next entry due to height. Clear-cut w/ reserves. Retain 5-10% of stand in groups. Leave all understory white pine. Short term regeneration objective would be oak with scattered white pine, but some natural red pine will likely seed in beneath oak in the long run as well.											
35	W9	10	97	60	white pine	mature	shelterwood-seed	1	natural regeneration		
comnts Fmd : Retain approximately 10-20% of the current stand by marking leave trees. Favor red pine and oak. Protect understory.											
88	R9	18	93	60	red pine	old growth (potential or actual)	shelterwood-seed	1	other - specify in remarks		
comnts Fmd : Part of u-pole timber sale. Buffer the road by a few chains. Mark to leave and rx burn as part of a Pinery Restoration Area along the Reserve Road corridor.											
94	R9	20	84	69	red pine	old growth (potential or actual)	thinning	1	other - specify in remarks		
comnts Fmd : More open to the west and very thick to the east. More aspen and red maple to the south. Leave most if not all deciduous species. Just thin red pine from below. Lump into Pinery Restoration Corridor along Reserve Road. RX burn the north half along with the rest of the corridor following thinning.											
107	W9	3	93	65	white pine	old growth (potential or actual)	thinning	2	other - specify in remarks		
comnts Fmd : Thin from below for best tree in place. Lump into the Pinery Restoration Corridor along Reserve Road and burn with the other pieces.											
108	W9	27	93	65	white pine	immature	thinning	2			
comnts Fmd : Pruned in 1958. Thin from below for best tree in place.											
111	A6	5	35	55	aspen (upland)	mature	final harvest	2	natural regeneration		
comnts Fmd : Mixed ages of aspen. Clear-cut w/ reserves. Part of small shortwood sale. Can be lumped with white pine thinnings.											
112	A6	6	37	55	aspen (upland)	mature	final harvest	2	natural regeneration		
comnts Fmd : Mixed ages of aspen. Clear-cut w/ reserves. Part of small shortwood sale. Can be lumped with white pine thinnings.											
134	R9	24	92	60	oak	old growth (potential or actual)	shelterwood-seed	1	other - specify in remarks		
comnts Fmd : Thinned in wide swaths last entry. Shelterwood with reserves leaving 30-60 sq ft of non-utility pole quality stems.. Put red line 2-3 chains in from Reserve Road. Lump whole stand into Pinery Restoration Corridor along Reserve Rd. Rx burn following timber sale.											
Total Acres.....		213									

ROSCOMMON FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 142 **Entry Year: 2009**

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDI Status
45	R9	18	93	60	red pine	old growth (potential or actual)		0	other - specify in remarks	

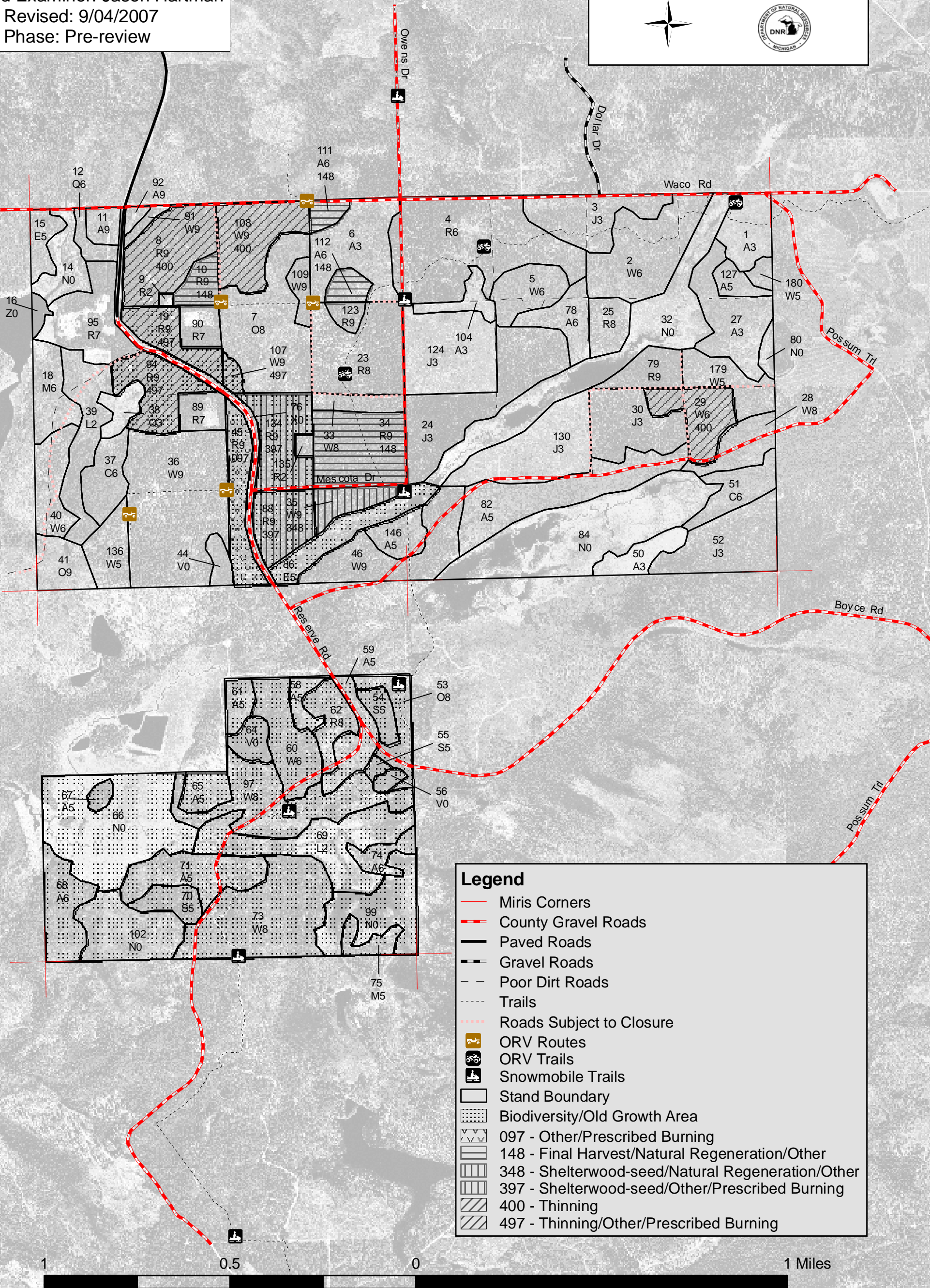
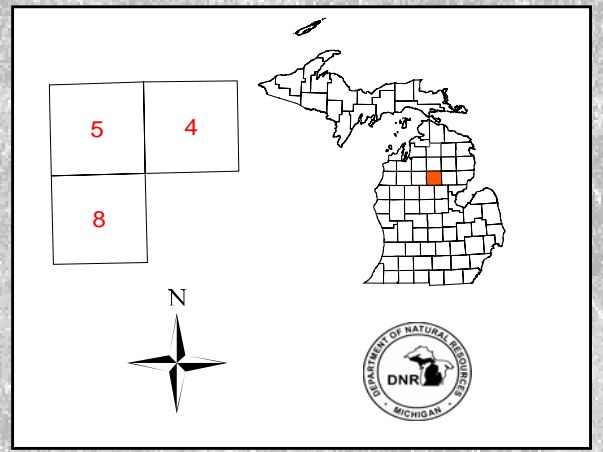
TREATMENT LIMITING FACTORS: Potential or designated old growth

comnts Fmd : Long strip stand that has low quality stems in most spots. Has some natural monarchs here and there. Mix of oak, white pine, red maple, and withch hazel understory. RX burn as part of Reserve Rd Pinery SCA.

Total Acres..... 18

Compartment 142
 T21N, R03W, Sec. 4, 5, 8
 County: Roscommon
 Unit: Roscommon
 YOE: 2009
 Acres: 1,712 GIS Calculated
 Stand Examiner: Jason Hartman
 Map Revised: 9/04/2007
 Map Phase: Pre-review

Field Map



Legend

- Miris Corners
- County Gravel Roads
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Trails
- Roads Subject to Closure
- ORV Routes
- ORV Trails
- Snowmobile Trails
- Stand Boundary
- Biodiversity/Old Growth Area
- 097 - Other/Prescribed Burning
- 148 - Final Harvest/Natural Regeneration/Other
- 348 - Shelterwood-seed/Natural Regeneration/Other
- 397 - Shelterwood-seed/Other/Prescribed Burning
- 400 - Thinning
- 497 - Thinning/Other/Prescribed Burning

