Shingleton Forest Management Unit
Compartment Review Presentation
Compartment #54 Entry Year: 2012
Compartment Acreage: 1,983 County: Schoolcraft

Revision Date: 7/15/2010

Stand Examiner: Adam Petrelius

Legal Description: T43N R14W, Sections 16, 17, 18

Identified Planning Goals ('Management Area' or 'RMU',if applicable): Compartment 54 lies within the Seney Manistique Swamp Management Area.

Management Goals: The main goal of this compartment is to conduct multiple resource management for current and future generations.

Soil and Topography: The topography within the compartment is mostly flat with a few rolling hills. Elevation values range between 650-673 feet. Approximately half of the compartment is forested and half is non-forested. The two main forested cover types are natural jack pine and natural red pine. The 2 main soil types are Markey Mucky Peat and Rousseau-Neconish-Finch. Major habitat types within the compartment, in order of abundance, are Unclassified Lowland, PVE, and PArVAa.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State land within this compartment was acquired between 1827 and 1941. The compartment is entirely surrounded by state land except for one private 40 acre parcel in the northeast. The compartment is used mostly by hunters, ORV users, and snowmobile riders.

Unique, Natural Features: Wood Turtle (*Clemmys insculpta*, state special concern) could occur in and along Duck Creek. The prescribed treatments in this compartment are unlikely to adversely impact this species if best management practices are followed along these riparian corridors.

Archeological, Historical, and Cultural Features: None.

Special Management Designations or Considerations: Most of section 16 and a portion of section 17 is classified as potential old growth.

Watershed and Fisheries Considerations: Poor. Duck Creek is classified SQWW. There is no need to protect Smith Creek from encroachment by beaver, but protection from increased sand bedload is still a high priority.

Wildlife Considerations: This compartment is located in the Seney Sand lake Plain ecological sub-subsection. It has a growing season of less than 100 days. Extreme minimum winter temperatures reach –46^{o} F. Annual snowfall averages around 110 inches. Presettlement upland forests were dominated by jack pine and red pine. White pine and aspen also occurred. Wetlands contained vast expanses of marshes and peatlands. Lowland forest contained black spruce, balsam fir, and cedar. Natural disturbance regimes included fire and beaver ponding. Duck creek run north to south through the center of this compartment. Current upland vegetation types are similar in composition, but not in structure, to presettlement conditions. Jack pine and red pine dominate the ridges. Lowlands remain relatively unchanged since presettlement times. Wildlife habitat management objectives include maintaining mature timber and protection of the

marsh/low pine ridge system in the eastern ½ half of the compartment. This will be accomplished through the potential oldgrowth designation. In the western ½ of the compartment, the goal is to maintain structural diversity within the pine system while providing travel corridors that will allow animals to move undetected through the cover of mature forest. There are no known occurrences of endangered, threatened, or special concern species within this compartment. Wildlife species of interest potentially inhabiting this compartment include fisher, least chipmunk, long-tailed weasel, sedge wren, and sandhill crane. Although we have not documentation on this species, it is possible that the yellow rail also exist within this compartment.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Queenston Shale subcrops below the glacial drift. The Queenston does not have an economic use. The nearest gravel pit is 3 miles to the south. There is limited gravel potential on State lands.

Vehicle Access: Vehicle access is poor. Only one good road, Highwater Truck Trail, splits the compartment in half.

Survey Needs: None.

Recreational Facilities and Opportunities: The Highwater Truck Trail is a snowmobile trail and serves as the main access route through the compartment.

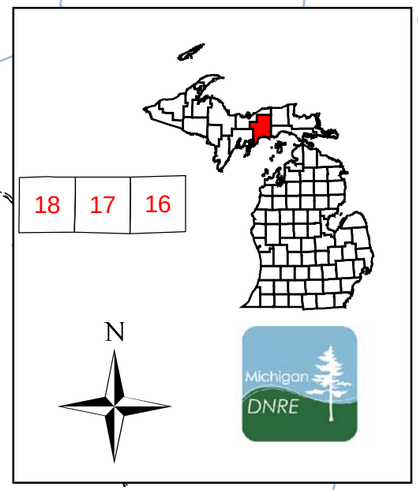
Fire Protection: Response time to fires within this compartment from the Thompson field office will be slow. The compartment receives moderate use throughout fire season and human caused fires are a concern. Both spring and summer fires are likely to occur here. The Seney Fire burned through much of the eastern portion. Access is poor to most areas and lightning fires during dry summer months could create problems. Water sources are abundant and include the Duck Cree, Walsh Ditch, Dougal Creek, and other tributaries of these creeks.

- **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 54
T43N, R12W, Sec. 16, 17, 18
County: Schoolcraft
Unit: Shingleton
YOE: 2012
Acres: 1,985 GIS Calculated
Stand Examiner: Tom Burnis
Map Revised: 9/29/2010
Map Phase: Pre-Review



Stand # 23 — Stocking Density
(412)0) - A7
Level 3 Level 4 — OI Code
Cover Type Code

Legend

- Miris Corners
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Intermittent Stream/Drain
- Stream
- Snowmobile Trails
- Lakes and Rivers

Treatments

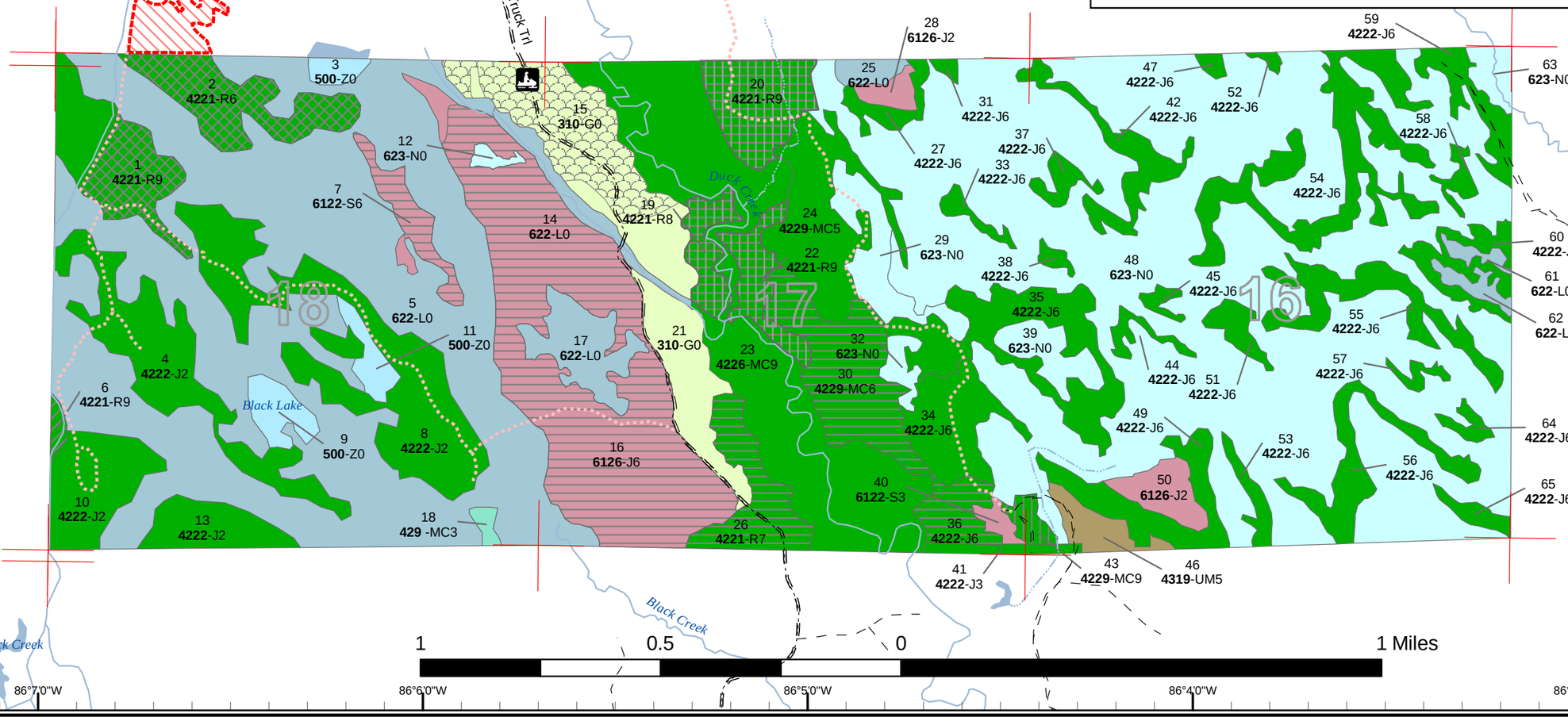
- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)
- Site Preperation
- Out of YOE treatments

Forest Stands

Level 3
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest

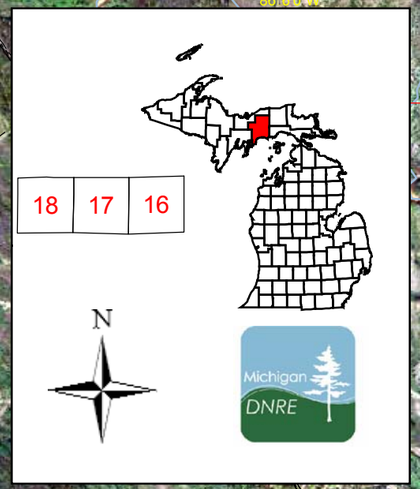
Non-Forest Stands

Level 3
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



Stand Boundary Map

Compartment 54
T43N, R12W, Sec. 16, 17, 18
County: Schoolcraft
Unit: Shingleton
YOE: 2012
Acres: 1,985 GIS Calculated
Stand Examiner: Tom Burnis
Map Revised: 9/29/2010
Map Phase: Pre-Review



Stand # — Stocking Density
23 — (412)0) - A7
Level 3 — Level 4 — OI Code
Cover Type Code

Legend

- Miris Corners
- Remonumented Section Corners
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Snowmobile Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Stand Boundaries

Forest Stands

Level 3
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest

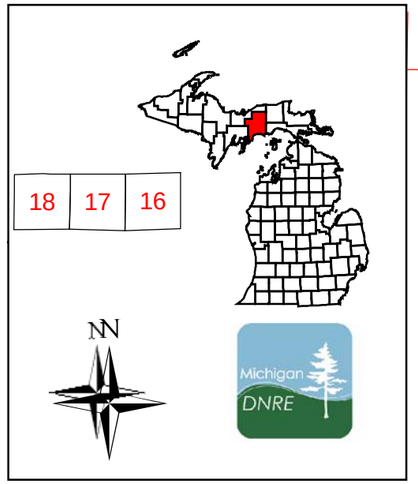
Non-Forest Stands

Level 3
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

1 0.5 0 1 Miles

Dedicated & Proposed Special Conservation Area Map

Compartment 54
T43N, R12W, Sec. 16, 17, 18
County: Schoolcraft
Unit: Shingleton
YOE: 2012
Acres: 1,985 GIS Calculated
Stand Examiner: Tom Burnis
Map Revised: 9/29/2010
Map Phase: Pre-Review



Stand # 23
Stocking Density
(412)0) - A7
Level 3 Level 4 OI Code
Cover Type Code

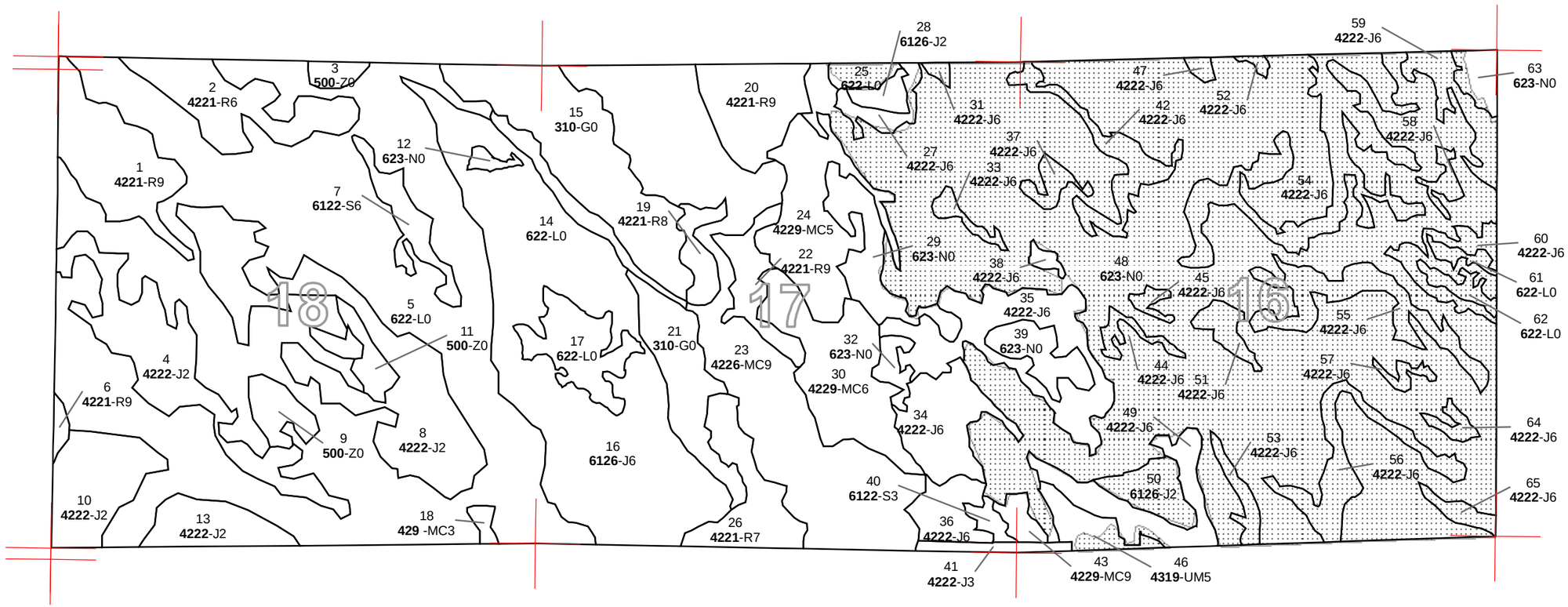
Legend

Miris Corners
Remonumented Section Corners

Proposed Special Conservation Areas
SCA - Special Conservation Area
SCA Removal
Stand Boundaries

Forest Stands
Level 3
422 - Natural Pines
429 - Mixed Upland Conifers
431 - Upland Mixed Forest
612 - Lowland Coniferous Forest

Non-Forest Stands
Level 3
310 - Herbaceous Openland
500 - Water
622 - Lowland Shrub
623 - Emergent Wetland



1 0.5 0 1 Miles

86°7'0"W 86°6'0"W 86°5'0"W 86°4'0"W 86°3'0"W
46°8'0"N
46°7'0"N

Table 1 – Total Acres by Cover Type and Age Class

Shingleton Mgt. Unit **Compartment 054 Year of Entry 2012**

Data updated before 2:00 PM

Age Class

	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	Total
Herbaceous Openland	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**79**
Jack Pine	0	155	0	0	257	0	142	0	11	0	0	0	0	0	0	**564**
Lowland Shrub	397	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**397**
Lowland Spruce/Fir	0	0	3	0	0	0	0	0	0	0	12	0	0	0	0	**15**
Marsh	572	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**572**
Natural Mixed Pines	0	0	0	0	37	0	0	4	38	0	119	0	0	0	0	**198**
Red Pine	0	0	0	0	0	0	0	0	63	24	42	0	0	0	0	**130**
Upland Conifers	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Upland Mixed Forest	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	**9**
Water	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**19**
Total	**1067**	**157**	**3**	**0**	**302**	**0**	**142**	**4**	**113**	**24**	**173**	**0**	**0**	**0**	**0**	**1985**

Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Shingleton Mgt. Unit
Year of Entry 2012

Compartment 054
Total Compartment Acres: 1985

Acres by Treatment Type

Commercial Harvest - 321	Site Prep - 39	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Jack Pine	148	0	0	0	0	0	**148**
Lowland Spruce/Fir	10	0	0	0	0	0	**10**
Natural Mixed Pines	38	0	0	4	0	0	**43**
Red Pine	22	48	48	0	2	0	**120**
Total	**219**	**48**	**48**	**4**	**2**	**0**	**321**

Table 3 -- Treatments Prescribed with No Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	**41054001-Cut**	19.7	42210 - Natural Red Pine	High Density Log	71	Harvest	Single Tree Selection	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs: Cut all species except red pine ,oak, white pine, and hemlock. Red pine and white pine should be marked. Create regeneration holes where available and thin thicker areas of poles.

Other Comments: See MNFI comments. Winter harvest will be needed due to road conditions into treatment area. Buffer on Walsh Ditch should be placed at the bottom of spoils. Protect existing red pine and white pine regeneration.

Next Steps: Natural regeneration of red pine, jack pine, and white pine is acceptable. Plant red pine if regeneration fails.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	**41054002-Cut**	28.4	42210 - Natural Red Pine	High Density Pole	70	Harvest	Single Tree Selection	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs: Cut all species except red pine ,oak, white pine, and hemlock. Red pine and white pine should be marked. Create regeneration holes where available and thin thicker areas of poles.

Other Comments: See MNFI comments. Winter harvest will be needed due to road conditions into treatment area. Buffer on Walsh Ditch should be placed at the bottom of spoils. Protect existing red pine and white pine regeneration.

Next Steps: Natural regeneration of red pine, jack pine, and white pine is acceptable. Plant red pine if regeneration fails.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	**41054006-Cut**	2.0	42210 - Natural Red Pine	High Density Log	71	Harvest	Crown Thinning	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs:

Other Comments: Currently under contract No. 26-05 with adjacent compartment.

Next Steps:

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
7	**41054007-Cut**	10.3	6122 - Black Spruce	High Density Pole	99	Harvest	Clearcut with Reserves	Black Spruce	Cmpt. Review Proposal

Prescription Specs: Cut all merchantable species within stand except hemlock and oak.

Other Comments: Exclude island of timber along west edge of stand as retention. Minimize impact to snowmobile trail.

Next Steps: Acceptable regeneration includes any species mixture currently found onsite.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
16	**41054016-Cut**	137.1	6126 - Lowland Jack Pine	High Density Pole	54	Harvest	Clearcut with Reserves	Lowland Jack Pine	Cmpt. Review Proposal

Prescription Specs: Cut all species except hemlock and oak. Leave some red pine and white pine. Pine which is left should be windfirm and located on the upland ridges within treatment.

Other Comments: Cut in summer if possible to avoid impacts to trail.

Next Steps: Scarification, trench and handplant, trench and seed. Acceptable regeneration includes jack pine, white pine, red pine, or black spruce.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
19	**41054019-Cut**	10.8	42210 - Natural Red Pine	Medium Density Log	91	Harvest	Seed Tree with Reserves	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs: Reduce basal area to 10sqft of red pine. Cut all other spp. except hemlock and oak. 50 foot no cut buffer along creek.

Other Comments: Cut on bare ground to promote scarification and to avoid snowmachine trail.

Next Steps: If natural regeneration of red pine fails, plant red pine. Site prep methods of herbicide, burn, and trench are acceptable treatments.

Table 3 -- Treatments Prescribed with No Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
20	41054020-Cut	24.3	42210 - Natural Red Pine	High Density Log	84	Harvest	Seed Tree with Reserves	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs: Reduce basal area to 10 sq.ft. of red pine. Cut all other species except oak and hemlock.

Other Comments: A drainage exists on the east side, buffer according to BMP manual. Trees have char due to the seney fire. Protect existing regen.

Next Steps: If natural regeneration of red pine, white pine, or jack pine fails, plant red pine. Site prep methods of herbicide, burn, and trench are acceptable treatments.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
22	41054022-Cut	12.9	42210 - Natural Red Pine	High Density Log	91	Harvest	Seed Tree with Reserves	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs: Reduce basal area to 10 sqft of red pine. Cut all other spp. except hemlock and oak. Leave higher basal area along river and creeks.

Other Comments: Stand may be dropped due to unmaped creeks and drains after looked at on bare ground.

Next Steps: If natural regeneration of red pine, jack pine, or white pine fails, plant red pine. Site prep methods of herbicide, burn, and trench are acceptable treatments.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
26	41054026-Cut	21.7	42210 - Natural Red Pine	Low Density Log	91	Harvest	Clearcut with Reserves	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs: Final harvest of overstory red pine. Cut all species except hemlock and oak if present.

Other Comments: Regeneration from seed tree cut in 2005 was a failure. Minimize impacts to snowmobile trail.

Next Steps: Red pine regeneration. Ensure stand regenerates to fully stocked red pine. No retention to facilitate site prep. Trench and plant, herbicide, and burn are acceptable treatments.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
30	41054030-Cut	38.3	42290 - Natural Mixed Pine	High Density Pole	76	Harvest	Clearcut with Reserves	Natural Mixed Pine	Cmpt. Review Proposal

Prescription Specs: Leave 10 sq.ft. basal area of red pine. Cut all other species except hemlock and oak. Do not harvest trees within 50 feet of Duck Creek.

Other Comments: Retention is river buffer along Duck Creek.

Next Steps: Scarify, trench and plant, trench and seed, herbicide, burn. Regenerate jack pine using any of these methods. Red pine, white pine, and black spruce are acceptable species also.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
36	41054036-Cut	11.2	42220 - Natural Jack Pine	High Density Pole	76	Harvest	Clearcut	Natural Jack Pine	Cmpt. Review Proposal

Prescription Specs: Final harvest cutting all species except hemlock and oak. No retention due to small acreage of stand.

Other Comments:

Next Steps: Scarify, trench and plant, trench and seed, herbicide, burn. Regenerate jack pine using any of these methods. Red pine, white pine, and black spruce are acceptable species also.

Table 3 -- Treatments Prescribed with No Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
43	**41054043-Cut**	4.3	42290 - Natural Mixed Pine	High Density Log	65	Harvest	Shelterwood	Natural Mixed Pine	Cmpt. Review Proposal

Prescription Specs: Cut all species except red pine, white pine, hemlock, and oak.

Other Comments:

Next Steps: Acceptable regeneration includes any mixture of red pine, jack pine, or white pine. If pine does not regenerate naturally, plant red pine. Scarify,trench and plant, herbicide, burn, trench and seed if needed.

Total Treatment Acreage Proposed: 320.9

Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
			#Error						

Prescription Specs:

Other Comment:

Next Steps:

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: **0**

Data updated before 2:00 PM

Out of YOE -- Treatments Prescribed with No Limiting Factor

Year of Entry: 2012

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
41039_OutOfY OE-Cut	14.6				Harvest	Clearcut with Reserves	Natural Pine, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: Cut all trees except hemlock and oak. Leave a few red pine and white pine for seed.

Other Comments: Access to this stand will involve the installation of a temporary bridge. This could be built and placed by the logger west of this stand. Winter havest may be needed. Survey work may be needed. There is a creek / drainage located in southern part of stand, it runs east/west. Buffer 50 feet. Buffer Smith creek 100 feet. These will be the retention areas. East edge of stand has some cedar. Cedar can be cut, but sale boundary should exclude the very dense patches.

Next Steps: Plant red pine on ridges to maintain component. Low ground should regenerate to mixed species. Acceptable management objectives includes any species mixture currently found onsite.

41049_OutOfY OE-Cut	15.3				Harvest	Single Tree Selection	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs: Cut all species except red pine ,oak, white pine, and hemlock. Red pine and white pine should be marked. Create regeneration holes where available and thin thicker areas of poles.

Other Comments: See MNFI comments. Winter harvest will be needed due to road conditions into treatment area. Buffer on Walsh Ditch should be placed at the bottom of spoils. Protect existing red pine and white pine regeneration.

Next Steps: Natural regeneration of red pine, jack pine, and white pine is acceptable. Plant red pine if regeneration fails.

41088_OutOfY OE-Cut	2.3				Harvest	Shelterwood	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs: Mark red pine and white pine to 50 sq. ft. basal area to thicken crowns and prepare for regeneration harvest next year of entry. Cut all other species except hemlock and oak.

Other Comments: Set up treatment as soon as it is approved at compartment review in order to combine it into one timbersale with Comparment 88, stand 43. No additional retention, small stand.

Next Steps: Evaluate stand next year of entry for possible regeneration havest. Try to maintain management objective of natural red pine.

41118_OutOfY OE_1-Cut	8.6				Harvest	Crown Thinning	Natural Red Pine	Cmpt. Review Proposal

Prescription Specs: Cut all Jack Pine and mark Red and White Pine to 90 BA

Other Comments: Cut with stand 34 comp 117

Next Steps:

41179_OutOfY OE-Cut	4.2				Harvest	Single Tree Selection	Sugar Maple Association	Cmpt. Review Proposal

Prescription Specs: Cut to 80 SF using selection system. Release crop trees using the complete marker as a guide, mark for best tree in place. This stand has some species variation across it, thin to improve diversity favor retention of mesic confers. In areas of beech use beach bark marking guidelines. Place gaps in areas of less shade tolerant species. Cut aspen clones for aspen regeneration. Leave some single aspen trees where possible for soft snags.

Other Comments: Acceptable regeneration is a mix of hardwood species including Sugar maple, Red maple, Basswood, Black Cherry, Yellow Birch, Aspen, White Birch, Hemlock and White Pine

Next Steps:

Total Treatment Acreage Proposed: **45.1**

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42210 - Natural Red Pine	High Density Log	32.8	71	141-170	Red pine regen in old road bed.
2	42210 - Natural Red Pine	High Density Pole	28.6	70	111-140	Three ages of red pine.
4	42220 - Natural Jack Pine	Medium Density	41.8	8		Avg height- 3-5 feet. Stand was winter cut 2001. 2006 regen counts= 380 jack pine, 176 red pine, 88 aspen, 7 white pine 278 black spruce, 929 total trees per acre. Close FTP C41-753
6	42210 - Natural Red Pine	High Density Log	2.0	71	111-140	Stand is currently under contract and part of adjacent stand in west compartment 53. Sale no.26-05, 13 mile pine.
7	6122 - Black Spruce	High Density Pole	11.5	99		
8	42220 - Natural Jack Pine	Medium Density	67.2	8		Avg. Ht.=3-5 feet Stand cut winter 2001. 2006 regen counts= 380 jack pine, 176 red pine, 88 aspen, 7 w.pine, 278 black spruce, 929 total trees per acre. Close FTP C41-753.
10	42220 - Natural Jack Pine	Medium Density	25.5	8		Avg. Ht.=3-5 feet Stand winter cut 2001. 2006 regen counts= 380 jack pine, 176 red pine, 88 aspen, 7 white pine, 278 black spruce, 929 total trees per acre. Close FTP C41-753
13	42220 - Natural Jack Pine	Medium Density	15.7	8		Avg. Ht.=3-5 feet Stand winter cut 2001. 2006 regen counts= 380 jack pine, 176 red pine, 88 aspen, 7 white pine, 278 black spruce, 929 total trees per acre. Close FTP C41-753.
16	6126 - Lowland Jack Pine	High Density Pole	142.0	54		
18	429 - Mixed Upland Conifers	High Density Sapling	2.1	8		Cut with stand 36 in compartment 56 in Feb. of 2002. 2006 regen counts= 391 jp, 163rp, 391 b.sp., 228 red map. Regen work complete on this stand covered under FTP C41-1017.
19	42210 - Natural Red Pine	Medium Density Log	7.8	91	81-110	Stand cut in 2005, some jp & b sp seedlings coming in.
20	42210 - Natural Red Pine	High Density Log	24.3	84	81-110	Drainage on east side (beaver activity), scattered oak, char on trees (Seany fire).
22	42210 - Natural Red Pine	High Density Log	12.9	91	81-110	
23	42260 - Natural Pine, Mixed Deciduous	High Density Log	119.2	91		Lots of drainages and oxbows. Factor limit for BMP's.
24	42290 - Natural Mixed Pine	Medium Density Pole	36.5	33		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	42210 - Natural Red Pine	Low Density Log	21.7	91	1-50	Seed tree cut in 2005. Heavy to aspen saps in understory. Open areas with no overstory filling in with jack pine and B. spruce seedlings. Not much red pine regen so cut was a failure.
27	42220 - Natural Jack Pine	High Density Pole	6.1	33		Stand result of Seney fire 1976
28	6126 - Lowland Jack Pine	Medium Density	4.3	33		Wet ground creating stunted trees.
30	42290 - Natural Mixed Pine	High Density Pole	38.3	76		
31	42220 - Natural Jack Pine	High Density Pole	1.2	33		Stand result of Seney fire in 1976.
33	42220 - Natural Jack Pine	High Density Pole	3.1	33		Stand result of Seney fire 1976
34	42220 - Natural Jack Pine	High Density Pole	22.6	33		
35	42220 - Natural Jack Pine	High Density Pole	37.2	33		Stand result of Seney fire.
36	42220 - Natural Jack Pine	High Density Pole	11.2	76		
37	42220 - Natural Jack Pine	High Density Pole	4.3	33		Stand result of Seney fire 1976
38	42220 - Natural Jack Pine	High Density Pole	1.7	33		Stand result of Seney fire 1976
40	6122 - Black Spruce	High Density Sapling	3.0	15		There has been some cutting in the past. Area is periodically flodded by beaver.
41	42220 - Natural Jack Pine	High Density Sapling	4.3	5		Part of stand that was cut in adjacent compartment.
42	42220 - Natural Jack Pine	High Density Pole	14.5	33		Stand result of Seney fire 1976.
43	42290 - Natural Mixed Pine	High Density Log	4.3	65		
44	42220 - Natural Jack Pine	High Density Pole	3.4	33		Stand result of Seney fire in 1976
45	42220 - Natural Jack Pine	High Density Pole	2.1	33		Stand result of Seney fire.
46	4319 - Mixed Upland Forest	Medium Density Pole	8.9	31		Some jack pine cut out of 2 acres of west edge in 1986

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	42220 - Natural Jack Pine	High Density Pole	1.5	33		Stand result of Seney fire in 1976.
49	42220 - Natural Jack Pine	High Density Pole	19.5	33		Stand regenerated from the Seney fire in 1976
50	6126 - Lowland Jack Pine	Medium Density	10.5	33		Stand result of Seney fire in 1976. Ground is lowland with stunted trees.
51	42220 - Natural Jack Pine	High Density Pole	5.4	33		Stand result of Seney fire.
52	42220 - Natural Jack Pine	High Density Pole	1.0	33		Stand reult of Seney fire 1976.
53	42220 - Natural Jack Pine	High Density Pole	4.6	33		Stand result of Seney fire 1996
54	42220 - Natural Jack Pine	High Density Pole	40.3	33		Stand result of Seney fire
55	42220 - Natural Jack Pine	High Density Pole	20.3	33		Stand result of Seney fire 1976
56	42220 - Natural Jack Pine	High Density Pole	17.7	33		Stand result of Seney fire.
57	42220 - Natural Jack Pine	High Density Pole	2.2	33		Stand result of Seney fire 1976.
58	42220 - Natural Jack Pine	High Density Pole	3.4	33		Stand result of Seney fire 1976
59	42220 - Natural Jack Pine	High Density Pole	11.4	33		Regen from Seney fire in 1976.
60	42220 - Natural Jack Pine	High Density Pole	12.1	33		Stand result of Seney fire 1976
64	42220 - Natural Jack Pine	High Density Pole	2.8	33		Stand result of Seney fire
65	42220 - Natural Jack Pine	High Density Pole	3.6	33		Stand result of Seney fire 1976

6 – Nonforested Stands

Data updated before 2:00 PM

Compartment: 054
Year of Entry: 2012

Stand	Cover Type	Acres	Gen Cmts:
3	50 - Water	3.7	
5	622 - Lowland Shrub	357.2	
9	50 - Water	8.8	
11	50 - Water	6.4	
12	623 - Emergent Wetland	2.1	
14	622 - Lowland Shrub	9.1	
15	310 - Herbaceous Openland	54.2	Southern portion of stand was cut in Jan. 2003 and then scarified. Remaining portion of stand was cut in Dec. of 2003 and scarified in 2007. Regen did not happen in this portion and it was seeded in March of 2008. Regen is unsuccesful within this portion. This portion is currently under an FTP to be trenched and planted.
17	622 - Lowland Shrub	19.7	
21	310 - Herbaceous Openland	24.7	Cut in May of 2005, scarified in July of 2007, trenched and planted in spring of 2008. The 2009 regen. check shows 1737 jack pine. 3 year regen check needed in 2011.
25	6221 - Fen	4.4	
29	623 - Emergent Wetland	18.3	
32	623 - Emergent Wetland	4.7	
39	623 - Emergent Wetland	11.2	
48	623 - Emergent Wetland	529.6	
61	622 - Lowland Shrub	2.6	
62	622 - Lowland Shrub	3.9	
63	623 - Emergent Wetland	6.2	

7 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Data updated before 2:00 PM

Stand	SCA Type	SCA Name	Acres	Comments
multiple - see	**Unique Site - SCA**	41054-SCA	702.8	Stands were previously designated as potential oldgrowth. These stands will potentially be a part of the Seney Pattern Fen BSA. Management goals are to maintain marsh ecosystem functions.

8 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

Data updated before 2:00 PM

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description