



**Escanaba Forest Management Unit
Compartment Review Presentation
Compartment # 66 Entry Year: 2014
Compartment Acreage: 5114 County: Menominee**

Revision Date: June 21, 2012

Stand Examiner: Dan McNamee, FMD;

Legal Description: T41N, R26W, Sections 1, 2, 3, 9, 10, 11, 12, 13, 14, 15, and 16
T41N, R25W, Section 6

Management Goals: This area is rather unique--most of the area being swamp conifer mixed with upland ridges of northern hardwoods and aspen. This area has offered an opportunity to try a landscape management approach. The idea has been to schedule all treatments within this four compartment area in one ten-year period. The area offers a great deal of winter cover for deer and is known as a deer yarding area. Because timber types run across compartment boundaries, and cutting prescriptions for each individual compartment were scheduled at different times, deer were drawn into the area just as regeneration from a previous treatment in an adjacent compartment is taking hold. During the 2004 inventory process, there was evidence of deer browsing on the regeneration, and in many cases, over-browsing and killing it. It appears that the landscape management approach is working as much of this regeneration has survived and is being recruited into the stands, as is evident in these compartments. Harvesting in the uplands will be done using a variety of silvicultural treatments. Thinning and selection cut methods while creating and expanding canopy gaps where maple regeneration is occurring will be used in the hardwood types. The seed tree and clear-cut with reserve methods of harvest will be used in the upland spruce-fir types and lowland conifer types. In both of these types there is evidence of spruce budworm. The tamarack types are also showing signs of decline and will be harvested using the same harvest methods. In some upland areas, red and white pine can be expanded by opening the canopy to allow more sunlight, and scarifying the soil to prepare a seedbed. A total of 948 acres (18.5% of compartment acreage) is scheduled for treatment.

Soil and Topography: Topography is undulating and moderately steep. Major soils series include Lupton, Cathro, Tawas, Sumerville, and Onaway.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Large blocks of corporate land to the west, north, and east. Large blocks of non-industrial private land to south. Land use in this area is mostly multiple use with most of the area being actively managed for timber.

Unique, Natural Features: None known

Archeological, Historical, and Cultural Features: None known

Special Management Designations or Considerations: Deer yard. Landscape management of large area.

Watershed and Fisheries Considerations: Skidmore Creek flows through the west side of this complex and is a tributary to the West Branch of the Ford River, which flows through the southern part of this complex

Wildlife Habitat Considerations: Compartment 66 is part of the North Menominee Management Area. This management area is comprised of discontinuous state holdings in a matrix of largely corporate forest. Over half of the area is lowland conifer cover type (cedar, spruce, tamarack) interspersed with uplands of aspen and northern hardwoods. Historically this management area has been important deer winter range. Due to difficulties in regenerating cedar, most of this cover type will simply be protected, except for purposeful regeneration experiments. Aspen will be managed for age class diversity, and hardwoods for

vegetative diversity and improved regeneration success. Featured wildlife species include the american marten and snowshoe hare.

Hardwoods: Most of the stands up for treatment this cycle have a cedar/hemlock component. These occurrences are important as they provide patches of cover and micro habitats used by many species including bears and deer. This is of particular importance when upland hardwood stands border cedar stands. Having a conifer/hardwood gradient allows deer to move from cover to food even in deep snow conditions. The majority of these stands will have these features preserved.

Lowland: Within these stands a portion of the cedar will be retained to continue to provide winter cover.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of medium textured glacial till and some peat and muck. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Prairie du Chien Group and Cambrian Trempealeau Formation underlie the glacial drift. These rocks could be used for stone and may overlap Precambrian aged rocks, which may have metallic and nonmetallic mineral potential. The nearest gravel pit is located one mile to the southwest. There appears to be gravel potential, especially the upland drumlins. No economic oil and gas production has been found in the UP.

Vehicle Access: Access is limited, due to the large private ownership and type of landscape within this complex.

Survey Needs: For the proposed treatments, potentially 14 corners may need to be established.

Recreational Facilities and Opportunities: Hunting, trapping, camping.

Fire Protection: With access being controlled by private land, we should try and obtain easement for administrative purposes. The area has the potential for lightning strikes with the large pines, but the hardwood areas should keep fires small.

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 Non-forested)**
 - ◆ **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**

Table 1 – Total Acres by Cover Type and Age Class

Dan McNamee : Examiner



	Age Class														Total
	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 +	Uneven Age	
Aspen	349	92	198	169	38	0	0	8	0	0	0	0	0	0	853
Cedar	0	0	0	0	0	0	0	10	0	205	560	983	0	0	1759
Hemlock	0	0	0	0	0	0	0	0	0	12	0	0	0	0	12
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Low-Density Trees	31	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Lowland Conifers	0	0	0	0	0	23	0	0	0	0	0	75	0	0	98
Lowland Mixed Forest	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Lowland Shrub	413	0	0	0	0	0	0	0	0	0	0	0	0	0	413
Lowland Spruce/Fir	4	0	0	16	0	384	40	106	0	0	0	0	0	0	550
Mixed Upland Deciduous	0	51	76	0	0	0	0	0	0	0	0	0	0	0	126
Northern Hardwood	0	0	21	0	0	0	4	86	359	0	0	0	0	0	471
Paper Birch	0	0	6	0	0	0	0	19	0	0	0	0	0	0	25
Red Pine	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
Tamarack	54	0	0	6	108	0	164	318	21	0	0	0	0	0	671
Treed Bog	23	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Upland Conifers	0	0	0	0	0	0	0	0	0	0	12	0	0	0	12
Upland Mixed Forest	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Spruce/Fir	0	8	0	0	17	16	0	0	0	0	0	0	0	0	41
Total	885	150	300	191	163	423	225	548	380	218	574	1058	0	0	5114



Table 2 – Proposed Treatment Summaries

Escanaba Mgt. Unit
Year of Entry 2014

Compartment 066
Total Compartment Acres: 5114

Acres by Treatment Type

Commercial Harvest - 948	Site Prep - 0	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
Cedar	6	0	0	0	0	0	0	6
Hemlock	0	12	0	0	0	0	0	12
Lowland Conifers	98	0	0	0	0	0	0	98
Lowland Mixed Forest	17	0	0	0	0	0	0	17
Lowland Spruce/Fir	28	0	0	0	0	0	0	28
Northern Hardwood	0	319	0	0	23	0	0	342
Tamarack	159	0	254	0	0	0	0	412
Upland Spruce/Fir	33	0	0	0	0	0	0	33
Total	341	331	254	0	23	0	0	948



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	33066004-Cut	21.0	6121 - Tamarack	High Density Pole	80		Harvest	Seed Tree with Reserves	6121 - Tamarack	Cmpt. Review Proposal
<u>Prescription</u> Leave 1 good quality seed tree every 50 feet. <u>Specs:</u> <u>Other</u> Currently under contract, Tamarack Trapper, 330040701. <u>Comments:</u> <u>Next</u> Monitor regeneration success according to work instruction 2.1. acceptable spp. will be tamarack, spruce and cedar. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2007										
7	33066007-Cut	8.6	6121 - Tamarack	High Density Pole	76		Harvest	Seed Tree with Reserves	6121 - Tamarack	Cmpt. Review Proposal
<u>Prescription</u> Harvest using seed tree method. Leave 1 good quality seed tree (tamarack or spruce) every 50 feet. Stand is currently under contract, Tamarack <u>Specs:</u> Trapper Sale, 33-004-07-01. <u>Other</u> Stand is currently under contract, Tamarack Trapper Sale, 33-004-07-01. <u>Comments:</u> <u>Next</u> After harvest monitor for regeneration success using the regeneration guidance in work instruction 2.1. Acceptable spp. mix would include <u>Steps:</u> tamarack, spruce and cedar. <u>Proposed</u> <u>Start Date:</u> 10/01/2007										
8	33066008/up- Cut	16.8	42340 - Upland Spruce/Fir	High Density Pole	48		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> Remove mature aspen, balsam fir, spruce (anything that contains 2 pulpwood sticks) and mark the red and white pine. <u>Specs:</u> <u>Other</u> Stand has evidence of budworm, aspen is young, 7"dbh and 3 sticks tall. <u>Comments:</u> <u>Next</u> Monitor regeneration success according to work instruction 2.1. acceptable regeneration spp. = aspen, balsam fir, spruce and pine. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2012										
14	33066014-Cut	80.9	6121 - Tamarack	High Density Pole	70		Harvest	Seed Tree with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Leave 1 good quality seed tree every 50 feet. <u>Specs:</u> <u>Other</u> Currently under contract, Tamarack Trapper Sale, 330040701. <u>Comments:</u> <u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = tamarack, spruce and cedar. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2007										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
16	33066016-Cut	74.9	6129 - Mixed Coniferous Lowland Forest	High Density Pole	110		Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Cut all tamarack, spruce and cedar, leave the heavy areas of cedar as retention. Leave buffer along River. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = tamarack, spruce and cedar. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
22	33066022-Cut	10.0	6121 - Tamarack	High Density Pole	75		Harvest	Seed Tree with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Leave 1 good quality seed tree every 50 feet or clumps of trees, this will be decided at time of sale prep. Seed tree clumps will contain cedar. <u>Specs:</u> Leave buffer along Ford River. <u>Other</u> <u>Comments:</u> <u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
25	33066025/scar em-Cut	49.1	4119 - Mixed Northern Hardwoods	High Density Pole	80	81-110	Harvest	Group Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Mark stand down to residual BA of 70. Create canopy gaps of at least 100'x 75'. Expand and release areas of established regeneration. Leave <u>Specs:</u> cedar and hemlock unless it needed to be removed to fell designated spp. Possible follow up treatment of basal spraying of ash. <u>Other</u> stand was treated in 1988, Backpack Hardwood Sale. Good regen of hardwoods. See OFS comments. <u>Comments:</u> <u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = sugar maple, ash, basswood and othr hardwood <u>Steps:</u> associated spp. <u>Proposed</u> <u>Start Date:</u> 10/01/2013										
27	33066027-Cut	28.5	6121 - Tamarack	High Density Pole	75		Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Leave 1 good quality seed tree every 50 feet or clumps of 10-12 trees for seed (leave cedar within the clump of seed trees). This will be <u>Specs:</u> determined at the time of sale prep. Leave 100' buffer along Ford River. <u>Other</u> <u>Comments:</u> <u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = any mix of tamarack, spruce and cedar. <u>Steps:</u> <u>Proposed</u> <u>Start Date:</u> 10/01/2013										



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
28 33066028-Cut	84.7	6121 - Tamarack	High Density Pole	70		Harvest	Seed Tree with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal

Prescription Leave 1 good quality seed tree every 50 feet or clumps of 10-12 trees for seed (make sure cedar is left in the seed clumps). This will be determined at the time of sale prep. Leave 100' along Skidmore Creek.

Other Comments: Tamarack and spruce are declining,

Next Steps: Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = tamarack, spruce, cedar.

Proposed Start Date: 10/01/2013

32 33066032-Cut	48.3	6121 - Tamarack	High Density Pole	72		Harvest	Seed Tree with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
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Prescription Leave 1 good quality seed tree every 50 feet or clumps of 10-12 trees for seed or leave residual patches of all spp. using the heavier cedar areas as a guide. This will be determined at the time of sale prep.

Other Comments: Tamarack and spruce are in poor condition, cedar is also poor quality.

Next Steps: Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = tamarack, spruce and cedar.

Proposed Start Date: 10/01/2013

40 33066040-Cut	34.7	6121 - Tamarack	High Density Pole	70		Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
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Prescription Cut leaving a seed source along the west and north edges of sale area. Leave cedar unless it needs to be removed to fell designated spp. Leave 100' buffer along Skidmore Creek.

Other Comments: Tamarack and spruce are decling. Plum Creek has cut to the south and east approx. 10 yrs ago and area is fully stocked T3.

Next Steps: Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = tamarack, spruce and cedar.

Proposed Start Date: 10/01/2013

44 33066044-Cut	59.6	4110 - Sugar Maple Association	High Density Pole	72	81-110	Harvest	Group Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
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Prescription Mark stand down to residual BA of 70. Create canopy gaps of at least 100'x 75'. Expand and release areas of established regeneration. Leave residual hemlock unless it is needed to be removed to fell desiganted spp. possible follow up treatment of basal spraying of ash.

Other Comments: Stand was treated in 1988, Backpack hardwood sale. In 2004 inventory noticed hardwood regen but it was browsed. Regen has gotten past deer in many areas and is established.

Next Steps: Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = sugar maple, ash, basswood, and other hardwood assoc. spp.

Proposed Start Date: 10/01/2013



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
55	33066055-Cut	4.5	4110 - Sugar Maple Association	High Density Pole	80	81-110	Harvest	Systematic Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription</u> Thin stand down to 70 - 80 BA. Goal is to increase stand quality and develop this stand. Stand contains hemlock and cedar which will be left unless it needs to be removed to fell other designaed spp. Leave heavier BA along transition zone near swamp edge.</p> <p><u>Specs:</u></p> <p><u>Other</u> This is a small area if Plum Creek is in area could put up as negotiated sale or will include with timber to east.</p> <p><u>Comments:</u></p> <p><u>Next</u> Continue to monitor stand for health and quality.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>										
60	33066060-Cut	30.3	4115 - Y.Birch, Hemlock NH	High Density Pole	80	111-140	Harvest	Group Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription</u> Mark stand down to residual BA of 70. Create canopy gaps of at least 100'x 75'. Expand and release areas of established regeneration. Leave hemlock and cedar unless it needs to be felled to remove designated trees. Possible follow up treatment of basal spraying of ash.</p> <p><u>Specs:</u></p> <p><u>Other</u> Nice hardwood, getting into sawlog size. Good maple regen.</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = any hardwood associated spp.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>										
63	33066063-Cut	6.2	6122 - Black Spruce	High Density Pole	60		Harvest	Clearcut	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all merchantable timber. No retention will be retained due to spruce budworm infestation and the small acreage of the stand,</p> <p><u>Specs:</u></p> <p><u>Other</u> Stand has evidence of budworm. There is sufficient seed souce surrounding this stand.</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. =</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>										
68	33066068-Cut	17.3	4110 - Sugar Maple Association	High Density Pole	80	81-110	Harvest	Group Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription</u> Thin stand to BA 70. Create canopy gaps 100'x75'. West edge of stand is W-8, remove at least 50% of pine. Remove all balsam and spruce as there is evidence of budworm. Leave hemlock unless needed to remove in order to fell designated spp.</p> <p><u>Specs:</u></p> <p><u>Other</u> Stand was treated in 1997, Located Corners Sale. No maple regen from last treatment. some of the W. pine on west edge are in poor condition.</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = hardwood associated spp. Follow up treatment of possible basal spray of ash.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
73	33066073-Cut	15.2	6121 - Tamarack	High Density Pole	70		Harvest	Clearcut	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Clear cut with no reserves. No retention will be left due to the narrow shape (small acreage) of stand.										
<u>Specs:</u>										
<u>Other</u> Thin strip of poor quality tamarack and spruce, trees are declining with lots of dead tops. Cedar within stand have dead tops and 1-2 sticks, poor										
<u>Comments:</u> quality. Should be enough seed source from adjacent stands.										
<u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = tamarack, spruce and cedar.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
81	33066081-Cut	23.3	6124 - Lowland Spruce-Fir	High Density Pole	54		Harvest	Clearcut	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Harvest all merchantable A, Fb, Fs, P,Wb and Rm. Leave the pockets of heavy cedar that are located in the north and south areas of the stand.										
<u>Specs:</u>										
<u>Other</u> Stand was harvested in 1979. Merchantable timber was removed, unmerchantable timber that was left is now mature and not in good shape.										
<u>Comments:</u> Stand has evidence of budworm.										
<u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = A, Fb,Fs, P and Rm.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
83	33066083-Cut	13.4	6122 - Black Spruce	High Density Pole	70		Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Remove all trees that contain at least 1 pulpwood stick. If cedar is heavy in any area, leave as retention.										
<u>Specs:</u>										
<u>Other</u> Timber is 5-7" dbh, 3 -4 sticks tall. Timber has not grown much in last 10-15 yrs. There is enough seed source in adjacent stands.										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = spruce, tamarack and cedar.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										
85	33066085-Cut	12.2	42350 - Upland Hemlock	High Density Pole	95		Harvest	Group Selection	42350 - Upland Hemlock	Cmpt. Review Proposal
<u>Prescription</u> Remove all mature balsam and spruce. Remove short-lived aspen and white birch. Mark pine that shows sign of decline, Leave heavy pockets of										
<u>Specs:</u> hemlock and only remove those hemlock needed to fell the designated spp. Leave buffer along Ford River. White pine will be left in the heavy pocket (closed canopy) areas.										
<u>Other</u> Balsam and spruce have evidence of budworm. Balsam and spruce approx 35 yrs old and is in pockets that can be harvested without taking										
<u>Comments:</u> hemlock. Most of short lived spp can be removed without harvesting to much hemlock. White pine showing signs of decline.										
<u>Next</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = Fb, Fs, W. pine, A, Wb, Rm and hemlock.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2013										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
89	33066089-Cut	52.0	4110 - Sugar Maple Association	High Density Pole	80	111-140	Harvest	Group Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription:</u> Mark stand down to residual BA of 70. Create canopy gaps of at least 100'x 75'. Expand and release areas of established regeneration. <u>Specs:</u> Possible follow up treatment of basal spraying of ash.</p> <p><u>Other Comments:</u> Good maple regeneration. Stand was thinned in 1988, Backpack hardwood sale.</p> <p><u>Next Steps:</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = hardwood associated spp.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
91	33066091-Cut	7.8	42340 - Upland Spruce/Fir	Medium Density Pole	54		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription:</u> Remove all mature aspen, balsam, spruce and some of the pine that is declining. <u>Specs:</u></p> <p><u>Other Comments:</u> Aspen is overmature, balsam and spruce has evidence of budworm.</p> <p><u>Next Steps:</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = aspen, balsam, spruce and white pine.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
92	33066092-Cut	43.2	4110 - Sugar Maple Association	High Density Pole	80	111-140	Harvest	Group Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription:</u> Mark stand down to residual BA of 70-80. Create some canopy gaps of at least 100'x 75'. Leave hemlock. Possible follow up treatment of basal <u>Specs:</u> spray of ash.</p> <p><u>Other Comments:</u> Nice stand of maple, stand has pockets of hemlock. White birch that was left when stand was thinned in 1997 has died. Stand was treated in 1997, Located Corner's sale.</p> <p><u>Next Steps:</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = hardwood associated spp.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
94	33066094-Cut	43.2	4110 - Sugar Maple Association	High Density Pole	80	81-110	Harvest	Group Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription:</u> Mark stand down to residual BA of 70. Create canopy gaps of at least 100'x 75'. Expand and release areas of established regeneration. <u>Specs:</u> Possible follow up treatment of basal spraying of ash.</p> <p><u>Other Comments:</u> Treated in 1988, Backpack hardwood sale. There is a lot of maple regeneration that needs to be released.</p> <p><u>Next Steps:</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = hardwood associated spp.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
100	33066100-Cut	18.2	4110 - Sugar Maple Association	Medium Density Pole	80	111-140	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription:</u> Thin stand to residual BA= 70. Release the best quality trees. Create some canopy gaps to try and establish some hardwood regeneration.</p> <p><u>Specs:</u> Canopy gaps should be at least 100'x75'. Leave hemlock unless needed to be removed in order to fell designated spp. Possible follow up treatment of basal spray of ash.</p> <p><u>Other</u> <u>Comments:</u> Thinned in 1997, Located Corner's Sale.</p> <p><u>Next</u> <u>Steps:</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = hardwood associated spp.</p> <p><u>Proposed</u> <u>Start Date:</u> 10/01/2013</p>										
104	33066104-Cut	17.1	6132 - Mixed Lowland Forest with Cedar	High Density Pole	67		Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<p><u>Prescription:</u> Remove all merchantable timber except cedar and hemlock unless it is needed to be removed in order fell designated spp.</p> <p><u>Specs:</u></p> <p><u>Other</u> <u>Comments:</u> Balsam fir and spruce are declining. Short lived hardwood spp. are poor quality. Cedar is old, hollow and not good quality.</p> <p><u>Next</u> <u>Steps:</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = balm, white birch, red maple, balsam fir, spruce, and ash.</p> <p><u>Proposed</u> <u>Start Date:</u> 10/01/2013</p>										
105	33066105-Cut	24.2	4110 - Sugar Maple Association	High Density Pole	80	81-110	Harvest	Group Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription:</u> Mark stand down to residual BA of 70. Create canopy gaps of at least 100'x 75'. Expand and release areas of established regeneration.</p> <p><u>Specs:</u> Possible follow up treatment of basal spraying of ash.</p> <p><u>Other</u> <u>Comments:</u> Maple regen 3-5' tall.</p> <p><u>Next</u> <u>Steps:</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = any hardwood associated spp.</p> <p><u>Proposed</u> <u>Start Date:</u> 10/01/2013</p>										
110	33066110-Cut	5.9	6120 - Lowland Cedar	High Density Pole	105		Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription:</u> Harvest mature balsam, spruce, white birch and balm. Leave cedar in the heavy cedar areas.</p> <p><u>Specs:</u></p> <p><u>Other</u> <u>Comments:</u> Strip of timber that was left when adjacent stand to west was harvested, was probably not mature at the time. It is mature now so it should be harvested when hardwood to west is treated. west half of stand is heavier to the spuce/balsam and east has more cedar.</p> <p><u>Next</u> <u>Steps:</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = balm, aspen, balsam, spruce and birch.</p> <p><u>Proposed</u> <u>Start Date:</u> 10/01/2013</p>										

**Table 3 -- Treatments Prescribed
with No Limiting Factor**



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
113	33066113-Cut	8.0	42340 - Upland Spruce/Fir	Medium Density Pole	54		Harvest	Clearcut with Reserves	42340 - Upland Spruce/Fir	Cmpt. Review Proposal
<p><u>Prescription</u> Remove mature balsam, spruce, aspen and some of the hardwood and pine. Leave a spruce and pine seed source.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Poor quality hdwd with mature balsam and spruce. There is some evidence of budworm. Stand should be treated.</p> <p><u>Next Steps:</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = balsam, spruce, pine and associated hardwood spp.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										

121	33066121-Cut	80.5	6121 - Tamarack	High Density Pole	68		Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Leave 1 good quality seed tree every 50 feet or clumps of 10-12 trees for seed. Leave cedar trees within these clumps. This will be determined at the time of sale prep.</p> <p><u>Other Comments:</u> Tamarack and spruce are in poor condition, lots of dead tops.</p> <p><u>Next Steps:</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = tamarack, spruce and cedar.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										

129	33066129-Cut	8.5	6122 - Black Spruce	High Density Pole	52		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
<p><u>Prescription</u> Clearcut, stand is small and adjacent stands should seed this area in. Leave pockets of cedar.</p> <p><u>Other Comments:</u> Small diameter, 5-7"dbh, 3-4 sticks tall. There is unmerchantable spruce. Could go either way as far as treating it. Budworm is in the area.</p> <p><u>Next Steps:</u> Monitor regeneration success according to work instruction 2.1. Acceptable regeneration spp. = spruce, tamarack and cedar.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										

**Total Treatment
Acreage Proposed: 948.2**

Table 4 -- Treatments Prescribed with a Limiting Factor



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Error

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: 0

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: #Error

**Total Treatment
Acreage Proposed: 0**

Stand	Escanaba Mgt. Unit		5 – Forested Stands			Compartment: 066	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
1	4130 - Aspen	Medium Density Pole	8.7	42			Predominately aspen which can last another 10yrs. South edge of stand is balsam and spruce along creek. Scattered mature white pine in stand.
2	4134 - Aspen, Spruce/Fir	High Density Pole	10.0	40			Predominately aspen, more spruce than fir. North side of along creek has buffer of spruce/fir.
4	6121 - Tamarack	High Density Pole	21.0	80			Stand is currently under contract, Tamarack Trapper Sale, 330040701.
5	6120 - Lowland Cedar	High Density Pole	10.3	77			
6	6120 - Lowland Cedar	High Density Pole	17.3	105			Fair quality stand of cedar. Some tamarack, spruce and balsam in places.
7	6121 - Tamarack	High Density Pole	8.6	76			Currently part of Tamarack Trapper sale, 330040701
8	42340 - Upland Spruce/Fir	High Density Pole	16.8	48			
9	4130 - Aspen	High Density Pole	18.9	40			Pretty much pure aspen, scattered mature Fb/Fs.
10	4110 - Sugar Maple Association	High Density Pole	9.9	79	51-80		Lots of porky damage. Some upland cedar was left. Some areas of maple regeneration but deer have been browsing it.
11	4140 - Other Upland Deciduous	High Density Sapling	5.7	28			
12	4110 - Sugar Maple Association	High Density Pole	8.9	80	81-110		Nice hardwood, no treatment needed was harvested in 1995, Pruning Saw Sale.
13	4134 - Aspen, Spruce/Fir	High Density Pole	9.7	34			Harvested in 1980.
14	6121 - Tamarack	High Density Pole	80.9	70			Currently under contract, Tamarack Trapper Sale, 330040701.
15	6121 - Tamarack	Low Density Sapling	30.8	1			Stand cut in 2012 under contract 330040701, Tamarack Trapper sale. Seed trees (tamarack and spruce) were left every 50'.
16	6129 - Mixed Coniferous Lowland Forest	High Density Pole	74.9	110			
17	4134 - Aspen, Spruce/Fir	Low Density Sapling	2.2	1			Stand harvested in winter of 2012 under contract 330040701, Tamarack Trapper Sale.
18	6120 - Lowland Cedar	High Density Pole	7.8	110			



Stand	Escanaba Mgt. Unit		5 – Forested Stands			Compartment: 066	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
19	4130 - Aspen	High Density Pole	72.7	30			Nice aspen stand, 10-20 yrs before treatment needed. Balsam and spruce in pockets, some scattered mature timber scattered throughout stand.
20	4134 - Aspen, Spruce/Fir	High Density Pole	26.5	30			Stand was harvested in 1980.
21	6121 - Tamarack	High Density Pole	76.8	66			Small diameter timber 3-5" dbh, 1-2 stick tall.
22	6121 - Tamarack	High Density Pole	10.0	75			
23	4134 - Aspen, Spruce/Fir	High Density Pole	5.4	30			Harvested in 1980.
24	4134 - Aspen, Spruce/Fir	High Density Pole	4.6	30			Harvested in 1980.
25	4119 - Mixed Northern Hardwoods	High Density Pole	49.1	80	81-110		
26	6121 - Tamarack	High Density Sapling	5.7	34			Small stand of young tamarack and scattered black spruce.
27	6121 - Tamarack	High Density Pole	28.5	75			
28	6121 - Tamarack	High Density Pole	84.7	70			
29	6120 - Lowland Cedar	High Density Pole	758.3	110			Poor quality, 1-3 stick C, 3-4 stick Tam/Sp. Occasional Wb but not enough to have as a spp.
30	4130 - Aspen	High Density Pole	21.3	21			Pockets of mature pine were left. Fb/Fs heavy in areas (mostly spruce). Active beaver- East side near creek. Will lose Fb/Fs - spruce budworm. Contact Plum Creek, could treat with state sale.
31	6122 - Black Spruce	High Density Pole	6.9	79			
32	6121 - Tamarack	High Density Pole	48.3	72			
33	4110 - Sugar Maple Association	High Density Pole	16.8	71	81-110		Had some sugar maple regen. Plum Creek cut to north and deer have been browsing it. South and west fring is a mix of Fs,H,C with aspen saplings.
34	6122 - Black Spruce	High Density Pole	11.0	79			Small diam. 5", 3 sticks tall.
35	6122 - Black Spruce	Medium Density Pole	16.4	30			S4 scattered B. spruce, 3-4 sticks tall, 7"dbh. Lots of regen 10-20' tall, scattered Tamarack.



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Escanaba Mgt. Unit

5 – Forested Stands

Compartment: 066

Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	6120 - Lowland Cedar	High Density Pole	114.0	105		Poor quality cedar, scattered Tamarack and Spruce throughout.
38	4190 - Mixed Upland Deciduous with Cedar	High Density Pole	31.9	20		Cut heavy, where we did cut heavy we got nice maple, aspen and balm regen., pockets of 15-20' tall regen. Where we did not cut heavy regen is only 3-5' tall. There are upland cedar pockets throughout the stand. Mixed stand heavy to A/P in some areas, heavy to A/Rm/Sm in others.
39	42360 - Upland Cedar	High Density Pole	34.7	110		Upland island in middle of swamp. Timber is overmature. Balsam and spruce infected with budworm. Harwoods are poor quality red maple, Wb and balm are overmature. Open areas where timber has fallen is filling in with Rm,Sm and balm. Access is possible but not easy, 3/4 mile through cedar swamp to get to it. would only be a winter harvest.
40	6121 - Tamarack	High Density Pole	34.7	70		
41	42390 - Mixed Non-Pine Upland Conifers	High Density Pole	11.7	105		
42	4130 - Aspen	High Density Sapling	4.8	21		
43	4191 - Mixed Upland Deciduous with Conifer	Medium Density	43.6	23		Mixture of regen with cedar and hemlock residual. Areas are heavy to Sm and Rm regen with other areas heavy to balm and aspen. Real nice maple regen 15-20' tall 1-3"dbh.
44	4110 - Sugar Maple Association	High Density Pole	59.6	72	81-110	
45	4130 - Aspen	High Density Sapling	114.6	3		Treated in winters of 2007-2009. Gilligans Island Sale, 330030501. There was a buffer left along the east side for the river. There are also 3 one acre retention patches left within the sale area.
46	6120 - Lowland Cedar	High Density Pole	64.0	110		
47	4110 - Sugar Maple Association	High Density Pole	10.1	80	81-110	
48	4199 - Other Mixed Upland Deciduous	High Density Pole	50.5	19		
49	6122 - Black Spruce	High Density Pole	356.5	50		Scattered mature Spruce, lots of small 1 stick trees. Was S4-S5 in old inventory.
50	6120 - Lowland Cedar	High Density Pole	47.5	94		Cedar, not bad quality. better left for cover. would have to cut to much cedar to remove the other spp.
51	4134 - Aspen, Spruce/Fir	High Density Pole	7.9	70		



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
53	6120 - Lowland Cedar	High Density Pole	185.2	105		Mix of poor quality cedar, tamarack and spruce. 1- 4 sticks tall, 5-7"dbh. Spruce and tamarack is scattered and can be found in pockets.
54	6121 - Tamarack	High Density Pole	7.4	70		Buffer along Ford River.
55	4110 - Sugar Maple Association	High Density Pole	4.5	80	81-110	
56	6122 - Black Spruce	Low Density Sapling	3.9	3		Treated in 2009 under contract # 330060401, Stebbins Porcupine Haven. Seed trees were left and there is some spruce regen. showing but not alot yet.
57	6121 - Tamarack	High Density Pole	6.3	68		
58	4130 - Aspen	High Density Sapling	48.4	3		Treated in 2009, Stebbins Porcupine Haven Sale, Stand has regenerated to a fully stocked stand of aspen.
60	4115 - Y.Birch, Hemlock NH	High Density Pole	30.3	80	111-140	
61	6120 - Lowland Cedar	High Density Pole	110.4	98		Poor quality cedar, 3 - 4 sticks tall, lots of catface and crook. Better left for wildlife cover, would be a mulchwood job at best.
62	6120 - Lowland Cedar	High Density Pole	30.6	105		Transition from high to low, has bigger timber but only about 1 chain wide then drops to 2 stick cedar with occasional B. spruce.
63	6122 - Black Spruce	High Density Pole	6.2	60		
64	6121 - Tamarack	Low Density Sapling	22.9	3		Stand treated in 2009, Stebbins Porcupine Haven Sale. Some Fsb, and T regen 3 -6" tall.
65	6120 - Lowland Cedar	High Density Pole	8.9	110		
66	6122 - Black Spruce	Medium Density Pole	38.0	70		
67	4130 - Aspen	High Density Pole	40.3	23		Cut during the Backpack Hardwood sale in 1988.
68	4110 - Sugar Maple Association	High Density Pole	17.3	80	81-110	
69	4134 - Aspen, Spruce/Fir	High Density Pole	11.9	25		
70	4134 - Aspen, Spruce/Fir	High Density Sapling	32.3	15		Treated in 1997, Located Corner Sale.

S t a n d	Escanaba Mgt. Unit		5 – Forested Stands			Compartment: 066	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014	
71	4130 - Aspen	High Density Sapling	6.2	3			Stand treated in 2009, Stebbins Porcupine Haven Sale.
72	4130 - Aspen	High Density Sapling	167.8	3			Small stand of M6 in SW part of stand. Rest of stand has come back to fully stocked A/P with residual C in places.
73	6121 - Tamarack	High Density Pole	15.2	70			
74	4140 - Other Upland Deciduous	High Density Pole	19.3	70			Cut in 2009, Bergman's Big Sky Sale. Some Wb and Rm regen, but mostly raspberries.
76	6122 - Black Spruce	Medium Density	16.4	65			North half of stand contains more timber than south half. Timber is small diameter.
78	4110 - Sugar Maple Association	Medium Density Pole	29.5	80	81-110		Recently harvested - Bergmans Big Sky Sale, 2009-2010. SW corner of stand contains pocket of white pine.
79	4130 - Aspen	High Density Sapling	18.6	30			30 year aspen with some Fsw in the understory. There is some scattered Cedar and pockets of T along the East edge.
80	4130 - Aspen	Medium Density	10.8	24			Treated under the Backpack hardwoods sale in 1988. Stand is predominately A3 then as it grades into swamp it is heavier to P3
81	6124 - Lowland Spruce- Fir	High Density Pole	23.3	54			
82	6120 - Lowland Cedar	High Density Pole	25.7	105			Nice stand of cedar. Better quality in the west part of stand (near highground), quality is less as you go south and east to river.
83	6122 - Black Spruce	High Density Pole	13.4	70			
84	4319 - Mixed Upland Forest	Low Density Pole	5.8	3			Recently treated, 2009, under contract Stebbins Porcupine Haven. Shelterwood cut, left Wp, Rm, Wb, and H. There is some Wp and Fs already regenerating.
85	42350 - Upland Hemlock	High Density Pole	12.2	95			
86	4130 - Aspen	High Density Sapling	9.9	15			
87	6122 - Black Spruce	High Density Pole	31.8	70			Small dbh, small hieght, 1-3 sticks.
88	6122 - Black Spruce	High Density Pole	4.9	70			Spruce, Cedar and Wb. Spruce is small 1-2 stick, 5"dbh, Wb 1-2 stick, 5"dbh, C is 2-3 stick, 7-8" dbh.
89	4110 - Sugar Maple Association	High Density Pole	52.0	80	111-140		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
90	4130 - Aspen	High Density Pole	8.7	15		Cut in 1997 under Located jCorners Sale. Aspen is 15yr old with residual C and Wp.
91	42340 - Upland Spruce/Fir	Medium Density Pole	7.8	54		
92	4110 - Sugar Maple Association	High Density Pole	43.2	80	111-140	
93	4134 - Aspen, Spruce/Fir	High Density Sapling	9.0	15		Treated in 1997, Located Corner's Sale.
94	4110 - Sugar Maple Association	High Density Pole	43.2	80	81-110	
95	6120 - Lowland Cedar	High Density Pole	24.7	110		
96	4130 - Aspen	High Density Pole	25.2	35		
97	4110 - Sugar Maple Association	High Density Pole	5.5	80	51-80	Treated in 2010, Bergman's Big Sky Sale.
98	4112 - Maple, Beech, Cherry Association	Medium Density	20.8	23		Nice regeneration of Red Maple. Cedar and Hemlock left for residual are scattered throughout the stand.
99	4135 - Aspen, Cedar	Medium Density	8.1	15		Treated in 1997, Located Corner's Sale, Residual Cedar with aspen in areas and Fb/Fs in others.
100	4110 - Sugar Maple Association	Medium Density Pole	18.2	80	111-140	
101	6120 - Lowland Cedar	High Density Pole	94.9	105		Cedar is 7-8" dbh, 3 sticks, Fsb is 5-7"dbh, 2-3sticks. Spruce is scattered and also heavy in some pockets.
102	6120 - Lowland Cedar	High Density Pole	47.5	95		Predominately Cedar, Areas of Rm, P, Fb and B. ash., Would have to remove alot of cedar, better left as wildlife cover.
103	4130 - Aspen	High Density Sapling	7.2	23		Treated in 1991, Backpack Hardwoods Sale.
104	6132 - Mixed Lowland Forest with Cedar	High Density Pole	17.1	67		
105	4110 - Sugar Maple Association	High Density Pole	24.2	80	81-110	
106	6122 - Black Spruce	High Density Pole	17.0	60		Small diam, 3-4 sticks tall, Healthy.
107	6120 - Lowland Cedar	High Density Pole	15.8	105		Cedar/ mix decid. Small diam 3-5" cedar, wb, ash. 1-2 sticks.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
108	4130 - Aspen	High Density Pole	8.3	24		Treated in 1988.
109	42340 - Upland Spruce/Fir	High Density Sapling	8.1	15		Treated in 1997, Located Corner sale.
110	6120 - Lowland Cedar	High Density Pole	5.9	105		
111	4110 - Sugar Maple Association	High Density Pole	4.4	68	81-110	Small pole 8"dbh, some Fb/Fs mixed in.
112	4110 - Sugar Maple Association	High Density Pole	18.5	80	51-80	Stand thinned in 2009, Stebbins Porcupine Haven Sale.
113	42340 - Upland Spruce/Fir	Medium Density Pole	8.0	54		
114	6121 - Tamarack	High Density Pole	108.2	45		Tamarack and spruce are young yet, Small diam 5-8"dbh, 3-4 sticks (Tam). Spruce is 3-5"dbh 1-2 stick. Some areas are pure T, some are Fsb/T and some are Fsb/T/C.
115	4130 - Aspen	High Density Sapling	23.5	15		Treated in 1997, Touthack Block Sale. Most of the cedar that was left has blown down. There are pockets of C/H .5-1ac in size.
116	4130 - Aspen	High Density Sapling	36.5	21		Small patch of Hardwood in SE corner of this stand.
118	4130 - Aspen	High Density Sapling	22.2	20		Nice stand of aspen approx. 20 yrs old. residula Hemlock and Cedar. There is Spruce and balsam in the understory. Pockets of tamarack along the south edge.
119	6120 - Lowland Cedar	High Density Pole	51.4	101		Poorer quality as you go south, 1-2 stick C with Fsb and T. Cedar is crooked. Better quality timber along the transition from upland>lowland.
120	4110 - Sugar Maple Association	High Density Pole	4.8	80	51-80	Was thinned at one time, residual BA=80, Pockests of hemlock and Pine.
121	6121 - Tamarack	High Density Pole	80.5	68		
122	4130 - Aspen	High Density Sapling	10.3	4		Regenerating nicely. regen is 5-10' tall. There is also Fb/Fs.
123	6120 - Lowland Cedar	High Density Pole	10.1	105		Cedar with T/S. T and S are to far gone and in poor shape.
124	6120 - Lowland Cedar	High Density Pole	9.0	110		Predominately cedar with some tamarack and spruce. Occasional Wb and other hdwd scattered throughout the stand.
125	42210 - Natural Red Pine	High Density Log	1.9	102		Small Island of red pine, 1-2 acre. Stand was broken out due to it's uniqueness.

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Escanaba Mgt. Unit

5 – Forested Stands

Compartment: 066
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
126	4130 - Aspen	High Density Sapling	4.2	35		
127	6122 - Black Spruce	High Density Pole	18.9	50		Tamarack and spruce make up majority of the stand, some cedar.
128	6120 - Lowland Cedar	High Density Pole	9.2	105		
129	6122 - Black Spruce	High Density Pole	8.5	52		
130	6120 - Lowland Cedar	High Density Pole	68.8	110		Predominately cedar, scattered Fsb, Wb, and P
131	4135 - Aspen, Cedar	High Density Sapling	34.6	28		Cedar and Wp were left.
132	6120 - Lowland Cedar	High Density Pole	7.4	110		Cedar strip along river.
133	4134 - Aspen, Spruce/Fir	High Density Sapling	1.8	30		West edge heavier to aspen, east side is aspen/Fb/Fsw. Cut in 1983.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	6220 - Alder/willow	29.4	N/A	Unspecified	
37	6220 - Alder/willow	7.7	No	Unspecified	Lowland shrub, Tag Alder near creek.
52	6220 - Alder/willow	375.6	No	Unspecified	
59	6224 - Treed Bog	22.9	N/A	Unspecified	
75	3301 - Low Density Deciduous Tree	9.1	N/A	Unspecified	
77	3302 - Low Density Conifer Trees	22.2	Natural Regen	Lowland Spruce/Fir	Recently harvested in 2009, Stebbins Porcupine Haven Sale Spruce seed trees were left and some have blown down. there is some black spruce regen starting to show.
117	3103 - Rubus-Fern	5.1	N/A	Unspecified	Scattered H/Wp pole/log. Some Wp/Fb/Fs is filling in, 1-2' tall. Mostly Raspberry.



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.

Stand	SCA Type	SCA Name	Acres	Comments
25	SCA Removal	33066025/scarem	49.1	Hardwood stand that has been treated in the past. Regeneration of sugar maple is good. Need to treat again to release regen and encourage more regen. This stand is accessible and is showing promise of good hardwood regeneration therefore recommending removal from SCA status.
29	Unique Site - SCA	33066029/sca	758.3	Stand provides benefit for wildlife (deer) in the form of snow/ wind intercept.
31	Unique Site - SCA	33066031/sca	6.9	Maintain in unmanaged state for wildlife that utilizes mature forest conditions.
34	Unique Site - SCA	33066034/sca	11.0	Maintain in unmanaged state for wildlife that utilizes mature forest conditions.
35	Unique Site - SCA	33066035/sca	16.4	Maintain in unmanaged state for wildlife that utilizes mature forest conditions Stand is not mature yet, let it continue to grow as is and let nature take it course. Cost to get to stand for harvest makes it unfeasable for logger.
39	Unique Site - SCA	33066039/sca	34.7	Unique area, maintain in unmanaged state for wildlife that utilizes mature forest conditions. Upland in Swamp. Stand is accessible from the north and south. Stand serves no purpose for snow/wind intercept for deer. Stand is ready for harvest but is not feasible for logger due to the winter access and volume of timber.
41	Unique Site - SCA	33066041/sca	11.7	Maintain in unmanaged state for wildlife that utilize mature forest conditions.
47	Unique Site - SCA	33066047sca	10.1	Maintain in unmganged state for wildlfe that utilize mature forest conditions.
48	Unique Site - SCA	33066048sca	50.5	Maintain in unmanaged state for wildlife that utilizes mature forest conditions.
49	Unique Site - SCA	33066049/sca	356.5	Treed bog, low quality spruce type. Maintian in unmanaged state for wildlife that utilizes mature forest conditions.
51	Unique Site - SCA	33066051/sca	7.9	Left from harvest for riparian corridor. Maitain in unmanaged state for wildlife that utilizes mature forest conditions and discourage beaver activity along West Branch of Ford River.

**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.

Stand	SCA Type	SCA Name	Acres	Comments
54	Unique Site - SCA	33066054/sca	7.4	Left from harvest for riparian corridor. Maitain in unmanaged state for wildlife that utilizes mature forest conditions and discourage beaver activity along West Branch of Ford River.



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.

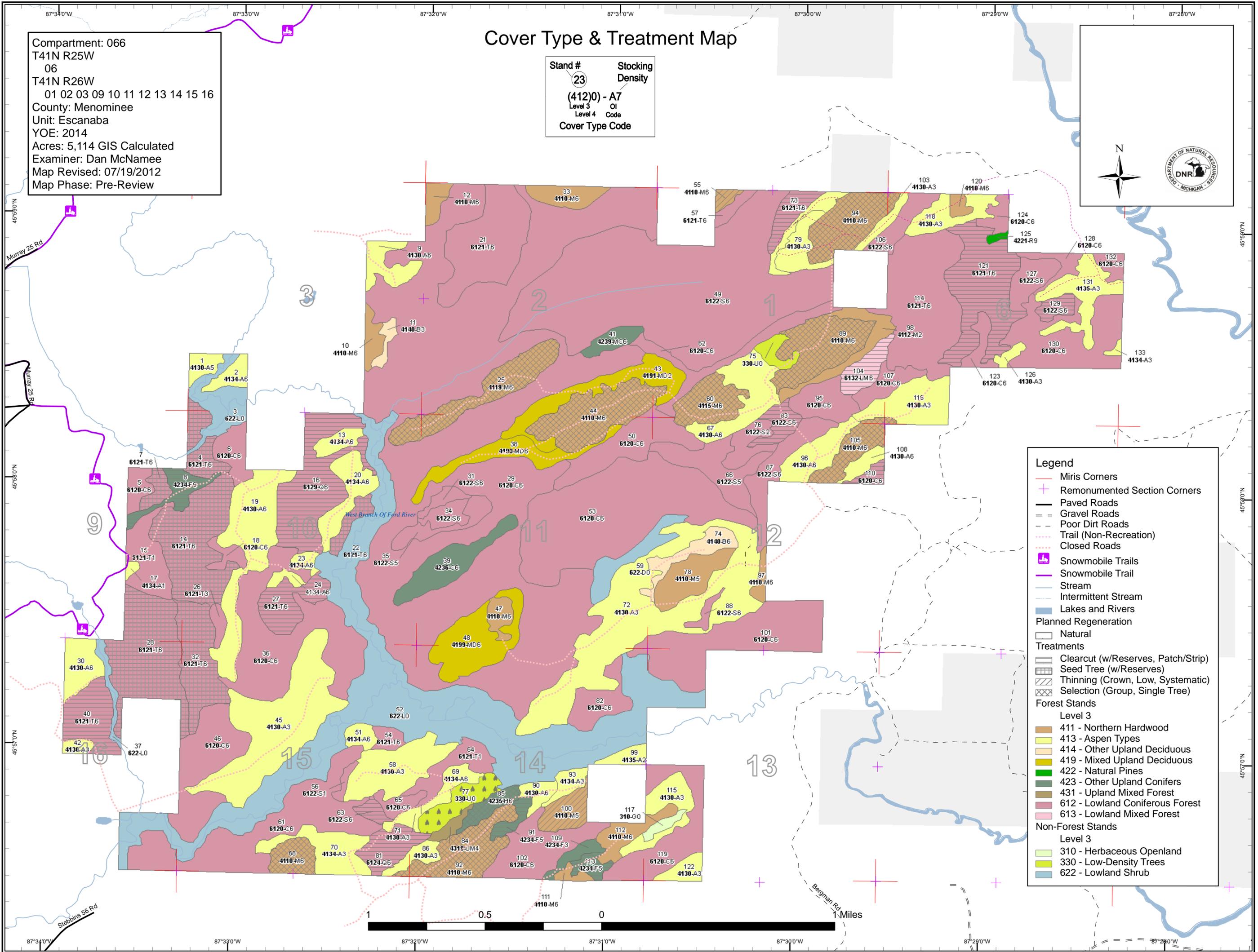
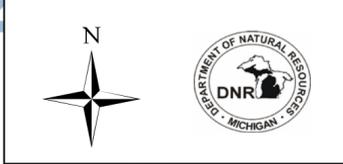
ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.

Cover Type & Treatment Map

Compartment: 066
 T41N R25W
 06
 T41N R26W
 01 02 03 09 10 11 12 13 14 15 16
 County: Menominee
 Unit: Escanaba
 YOY: 2014
 Acres: 5,114 GIS Calculated
 Examiner: Dan McNamee
 Map Revised: 07/19/2012
 Map Phase: Pre-Review

Stand # Stacking
 Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code



Legend

- Miris Corners
- Remonumented Section Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Snowmobile Trails
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers

Planned Regeneration

- Natural

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)

Forest Stands

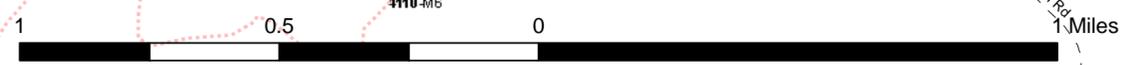
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

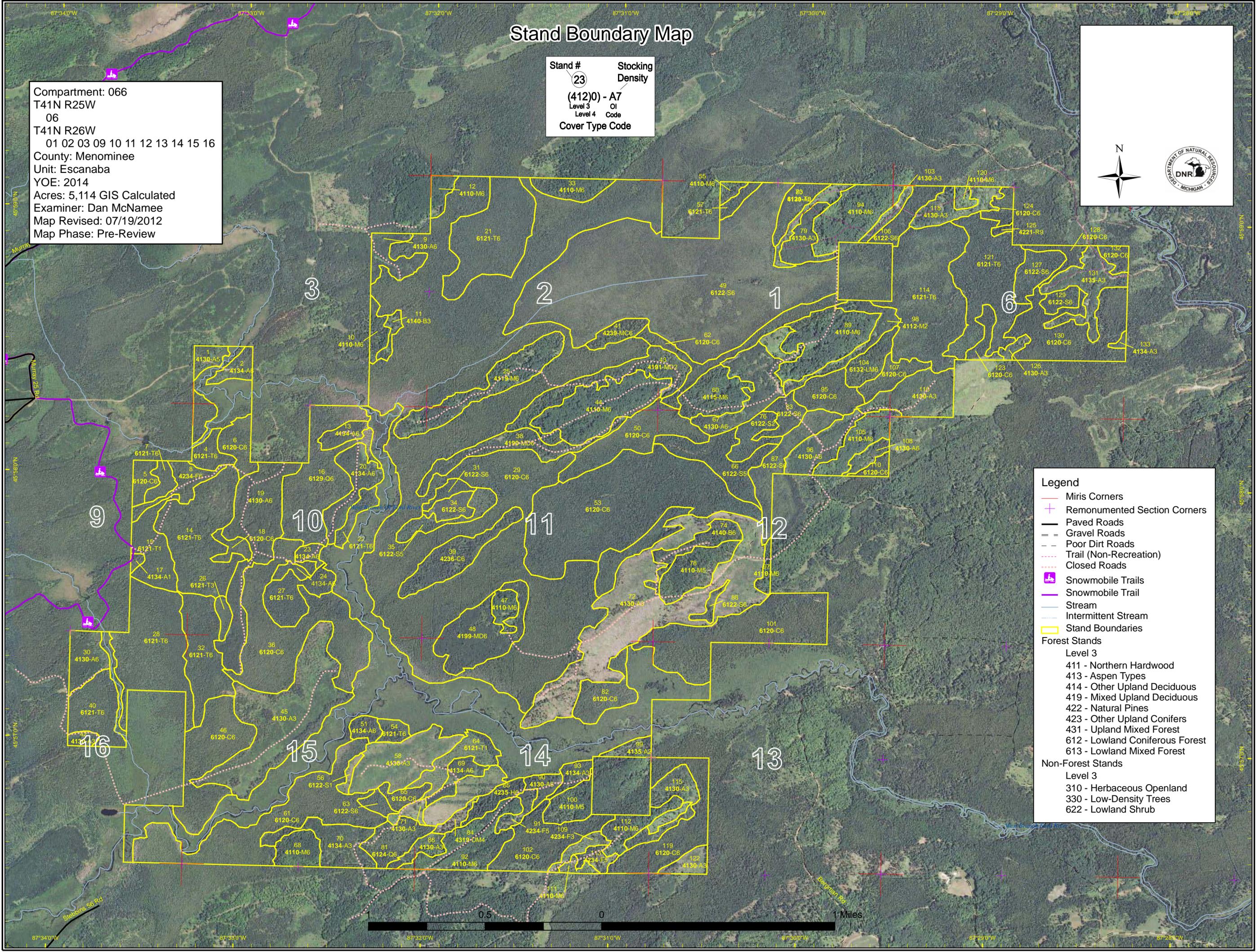
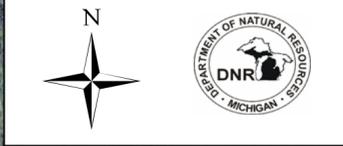
- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub



Stand Boundary Map

Compartment: 066
 T41N R25W
 06
 T41N R26W
 01 02 03 09 10 11 12 13 14 15 16
 County: Menominee
 Unit: Escanaba
 YOY: 2014
 Acres: 5,114 GIS Calculated
 Examiner: Dan McNamee
 Map Revised: 07/19/2012
 Map Phase: Pre-Review

Stand #
 23
 (4120) - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code



Legend

- Miris Corners
- Remonumented Section Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Snowmobile Trails
- Snowmobile Trail
- Stream
- Intermittent Stream
- Stand Boundaries

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 431 - Upland Mixed Forest
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Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 622 - Lowland Shrub

