



**Escanaba Forest Management Unit
Compartment Review Presentation
Compartment # 101 Entry Year: 2014
Compartment Acreage: 1280 County: Delta**

Revision Date: June 18, 2012

Stand Examiner: Dan Racine, FRD;

Legal Description: T42N R22W, Sections 03 and 10.

Management Goals: The compartment is located in the Deadhorse Moraines management area in Baldwin Township south of County Road 432 accessed off the Maki Road. There is approximately 529 acres scheduled for harvest this treatment period with the majority of these acres scheduled for selection harvest in the northern hardwoods.

The majority of the treatments in this compartment will focus on expanding and enhancing the northern hardwood regeneration by utilizing selection harvests and canopy gaps. Approximately 44 acres are scheduled for a shelterwood harvest in the red maple, aspen, and mixed conifer types with an emphasis on maple and conifer regeneration. Two stands are scheduled for clearcut with reserves with an emphasis on the aspen regeneration. One stand is scheduled for a scarification to allow for expanding the mixed conifer regeneration.

The majority of this compartment is dominated by northern hardwoods. The largest of these stands that will be treated in the southern portion of the compartment contained a significant amount of elm which died out due to Dutch Elm disease. The elm was salvaged in the mid 1980's and created some areas of lower stocking. This stand will be treated with larger canopy gaps to allow for expanding the hardwood regeneration.

Soil and Topography: The soils consist of very poorly drained non-acidic organic soils, poorly drained loamy soils, and well drained loams. The major soil series include Cathro-Tacoosh, Longrie, Trenary, Ensley, Charlevoix, Carbondale, Chippeny, and organics. The topography is nearly level.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is in the southern part of a 6 mile by 6 mile block of state forest land in northern Delta County. The majority of the land is owned by the state or by private individuals in the area. The area surrounding this compartment is mainly private small tracts to the south and west with a small block of state owned land to the east and north with private small tracts mixed in. The land use of the private property is primarily recreation with some timber management. There are some private residences along County Road 432 which is about two miles north of this compartment.

Unique, Natural Features: None.

Archeological, Historical, and Cultural Features: None known.

Special Management Designations or Considerations: There is an SCA designation along the Friday Creek for riparian area management.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: Compartment 101 is part of the Dead Horse Moraines Management Area. This management area contains a large proportion of northern hardwood forest, some of which regenerates well under the protection of snow cover and some of which does not, due partially to winter deer browse intensity. Managers will focus efforts on attaining reliable hardwood regeneration and improving within-stand vegetative diversity. Efforts will also be made to balance the age distribution of aspen, a species which covers a large proportion of this management area. Featured wildlife species include black bear, white-tailed deer, ruffed grouse, and pileated woodpecker.

Hardwoods: Many 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. In all of these stands it was agreed that the cedar and hemlock would be retained.

Aspen and Mixed Lowland: Three stands will be treated providing food and cover for many of our popular game species. Cedar and hemlock will be retained in stand 14 for the reasons stated above.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Trenton Limestone underlies the glacial drift. The Trenton is quarried for stone to the southeast, north of Rapid River. State land was previously leased in the area for metallic exploration. Gravel pits are located one-half mile to the north and there appears to be good gravel potential. No economic oil and gas production has been found in the UP.

Vehicle Access: The vehicle access to this compartment is very good with access off the Maki Road that runs from north to south through the majority of the compartment.

Survey Needs: No survey requests should be required.

Recreational Facilities and Opportunities: There are no developed recreational facilities within this compartment. There are several opportunities for hunting, trapping, hiking, and dispersed camping.

Fire Protection: This area is dominated by hardwoods and lowland conifer that do not pose a significant risk for fire. The access to and within the compartment is very good for fire control. There is good access points for water supplies.

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



	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	0	15	36	20	0	12	0	0	0	0	0	0	0	0	83
Cedar	0	0	0	0	0	0	0	0	88	0	34	0	0	0	122
Herbaceous Openland	44	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Lowland Conifers	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
Lowland Deciduous	0	29	8	0	0	0	5	65	0	0	0	0	0	0	108
Lowland Mixed Forest	0	0	0	0	0	0	0	16	48	0	0	0	0	0	64
Lowland Shrub	17	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Mixed Upland Deciduous	0	3	32	0	0	0	29	0	0	0	0	0	0	0	64
Northern Hardwood	0	0	7	0	0	0	38	695	0	0	0	0	0	0	741
Paper Birch	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Conifers	0	0	16	0	0	0	0	0	0	0	0	0	0	0	16
Upland Mixed Forest	0	0	15	0	0	0	0	0	0	0	0	0	0	0	15
Total	62	50	115	20	0	12	0	71	868	48	34	0	0	0	1280



Table 2 – Proposed Treatment Summaries

Escanaba Mgt. Unit
Year of Entry 2014

Compartment 101
Total Compartment Acres: 1280

Acres by Treatment Type

Commercial Harvest - 512	Site Prep - 16	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 44	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	12	0	0	0	0	0	0	12
Lowland Deciduous	0	0	0	8	0	0	0	8
Mixed Upland Deciduous	18	0	0	0	0	0	0	18
Northern Hardwood	0	435	0	35	3	0	0	474
Total	30	435	0	44	3	0	0	512



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
7	33101007-Cut	62.7	4112 - Maple, Beech, Cherry Association	High Density Log	84	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<p><u>Prescription</u> Select harvest to approximately 70-80 BA. Open up canopy around existing regeneration of sugar maple and create canopy gaps where feasible. Leave all the cedar, hemlock, and pine if found and favor to leave some minor component species.</p> <p><u>Specs:</u></p> <p><u>Other</u> This stand was last cut in 2000. Decent regeneration in some places.</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor the regeneration at appropriate intervals. Acceptable regeneration of northern hardwood species.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>										
7	33101007-SCA-Cut	3.2	4112 - Maple, Beech, Cherry Association	High Density Log	84	81-110	Harvest	Low Thinning	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<p><u>Prescription</u> Low thinning on this portion of the stand. Selective harvest leaving the larger diameter trees. Leave all the cedar, hemlock, and pine and favor to leave any minor component species. Leave a 100 foot no cut buffer at any point of the Friday Creek.</p> <p><u>Specs:</u></p> <p><u>Other</u> This stand is part of the Friday creek riparian corridor.</p> <p><u>Comments:</u></p> <p><u>Next</u></p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>										
9	33101009-Cut	9.3	4119 - Mixed Northern Hardwoods	High Density Pole	84	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<p><u>Prescription</u> Select harvest. Harvest to approximately 70-80BA creating canopy gaps where feasible. Do not cut within 100 feet of the Friday Creek. Leave cedar, hemlock, and pine if found. Favor to leave some minor component species.</p> <p><u>Specs:</u></p> <p><u>Other</u> Access from the north through state land.</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor the regeneration at appropriate intervals.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2013</p>										
13	33101013-Cut	35.4	4119 - Mixed Northern Hardwoods	High Density Pole	75	111-140	Harvest	Shelterwood	4113 - R.Maple, Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Shelterwood harvest. Harvest the majority of stand down to 40 BA mainly in the red maple ash dominated areas. Cut all the aspen and spruce and fir with 3 or more sticks. In the pockets of the stand that are dominated by sugar maple leave the BA closer to 70 creating canopy gaps. Leave any cedar, hemlock, and pine if present and leave most yellow birch for retention.</p> <p><u>Specs:</u></p> <p><u>Other</u> Expect a mix of maple, aspen, and conifer regeneration. Leave the possible nest tree and address if it is active.</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor the regeneration at appropriate intervals. Acceptable regeneration of maple, ash, aspen, and conifers. Check the status of possible nest tree.</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
14	33101014-Cut	18.2	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	73		Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<u>Prescription:</u> Clearcut with reserves. Leave a retention area of the sliver of maple along the west line and ash areas along the west and south west line.										
<u>Specs:</u> Leave any cedar and hemlock if present and may leave a few spruce and fir seed trees.										
<u>Other Comments:</u>										
<u>Next Steps:</u> Monitor the regeneration at appropriate intervals. Acceptable regeneration of aspen, conifer, maple and ash.										
<u>Proposed Start Date:</u> 10/01/2013										
19	33101019-Cut	11.9	4130 - Aspen	High Density Pole	52		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription:</u> Clearcut with reserves. Leave most of the birch. May leave some spruce and fir seed trees.										
<u>Specs:</u>										
<u>Other Comments:</u> Maple component along stand 13. Maple and ash component between 19 and 20.										
<u>Next Steps:</u> Monitor the regeneration at appropriate intervals. Acceptable regeneration mix of aspen, conifer, and mixed deciduous species.										
<u>Proposed Start Date:</u> 10/01/2013										
20	33101020-Cut	8.4	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	83		Harvest	Shelterwood	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<u>Prescription:</u> Shelterwood harvest. Leave approximately 40 BA. May leave the areas with smaller diameter ash a little higher.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Monitor the regeneration at appropriate intervals. Acceptable regeneration mix of maple, ash, and conifer.										
<u>Proposed Start Date:</u> 10/01/2013										
23	33101023nwc ut-Cut	32.2	4110 - Sugar Maple Association	High Density Log	84	81-110	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription:</u> Select harvest. Harvest down to approximately 70-80 BA, creating canopy gaps where feasible. Leave all the cedar, hemlock, and pine if present and favor to leave some minor component species.										
<u>Specs:</u>										
<u>Other Comments:</u> This portion of stand 23 was last cut in 1997.										
<u>Next Steps:</u> Monitor the regeneration at appropriate intervals. Acceptable regeneration mix of northern hardwood species.										
<u>Proposed 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
23 33101023swcut-Cut	39.0	4110 - Sugar Maple Association	High Density Log	84	81-110	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Selection harvest. Harvest the stand down to approximately 70-80 BA creating canopy gaps where feasible. Leave any cedar, hemlock, and pine if found and favor to leave some minor component species.									
<u>Specs:</u>									
<u>Other Comments:</u> This portion of the stand was last cut in 1997. Some pockets of higher % red maple than sugar maple.									
<u>Next Steps:</u> Monitor the regeneration at appropriate intervals. Acceptable regeneration mix of northern hardwood species.									
<u>Proposed Start Date:</u> 10/01/2013									
35 33101035-Cut	291.9	4110 - Sugar Maple Association	High Density Pole	84	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Selection harvest. Harvest this stand down to approximately 70-80 BA. Create larger canopy gaps closer to 60 by 100 feet. Leave any cedar, hemlock, and pine if found and favor to leave some minor component species. Leave a buffer along the creek that runs north/south through the stand.									
<u>Specs:</u>									
<u>Other Comments:</u> Elm salvages done here in the past. Variable stand densities and diameters.									
<u>Next Steps:</u> Monitor the regeneration at appropriate intervals. Acceptable regeneration mix of northern hardwood species.									
<u>Proposed Start Date:</u> 10/01/2013									
27 33101027-Prep	16.2	429 - Mixed Upland Conifers	Low Density Sapling	22		Site Prep	Scarification	429 - Mixed Upland Conifers	Cmpt. Review Proposal
<u>Prescription</u> Scarify this stand in the upland areas with little regeneration.									
<u>Specs:</u>									
<u>Other Comments:</u> Portions of the stand will be scarified. Probably about 25-50% of stand will be scarified. This stand is 25-50% canopy closure.									
<u>Next Steps:</u> Monitor the regeneration. Acceptable regeneration mix of upland conifer species.									
<u>Proposed Start Date:</u> 10/01/2013									
11 NF_33101011-NonFor	1.1	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Maintain and enhance wildlife value of opening through cutting, mowing, tilling, herbaceous plantings, fertilizing, use of herbicide.									
<u>Specs:</u> Perpetuate and enhance any existing mast resource through trimming and fertilizing existing trees as well as possibly establishing new apple/crabapple and or oak trees.									
<u>Other Comments:</u>									
<u>Next Steps:</u>									
<u>Proposed Start Date:</u> Unspecified									



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	NF_33101016- NonFor	3.4	310 - Herbaceous Openland				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<p><u>Prescription</u> Maintain and enhance wildlife value of opening through cutting, mowing, tilling, herbaceous plantings, fertilizing, use of herbicide.</p> <p><u>Specs:</u> Perpetuate and enhance any existing mast resource through trimming and fertilizing existing trees as well as possibly establishing new apple/crabapple and or oak trees.</p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> Unspecified</p>										
18	NF_33101018- NonFor	6.1	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<p><u>Prescription</u> Maintain and enhance wildlife value of opening through cutting, mowing, tilling, herbaceous plantings, fertilizing, use of herbicide.</p> <p><u>Specs:</u> Perpetuate and enhance any existing mast resource through trimming and fertilizing existing trees as well as possibly establishing new apple/crabapple and or oak trees.</p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> Unspecified</p>										
28	NF_33101028- NonFor	2.5	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<p><u>Prescription</u> Maintain and enhance wildlife value of opening through cutting, mowing, tilling, herbaceous plantings, fertilizing, use of herbicide.</p> <p><u>Specs:</u> Perpetuate and enhance any existing mast resource through trimming and fertilizing existing trees as well as possibly establishing new apple/crabapple and or oak trees.</p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> Unspecified</p>										
36	NF_33101036- NonFor	2.2	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
<p><u>Prescription</u> Maintain and enhance wildlife value of opening through cutting, mowing, tilling, herbaceous plantings, fertilizing, use of herbicide.</p> <p><u>Specs:</u> Perpetuate and enhance any existing mast resource through trimming and fertilizing existing trees as well as possibly establishing new apple/crabapple and or oak trees.</p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> Unspecified</p>										



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
37 NF_33101037- NonFor	2.5	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal

Prescription Maintain and enhance wildlife value of opening through cutting, mowing, tilling, herbaceous plantings, fertilizing, use of herbicide.

Specs: Perpetuate and enhance any existing mast resource through trimming and fertilizing existing trees as well as possibly establishing new apple/crabapple and or oak trees.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

39 NF_33101039- NonFor	8.7	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
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Prescription Maintain and enhance wildlife value of opening through cutting, mowing, tilling, herbaceous plantings, fertilizing, use of herbicide.

Specs: Perpetuate and enhance any existing mast resource through trimming and fertilizing existing trees as well as possibly establishing new apple/crabapple and or oak trees.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

40 NF_33101040- NonFor	2.5	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
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Prescription Maintain and enhance wildlife value of opening through cutting, mowing, tilling, herbaceous plantings, fertilizing, use of herbicide.

Specs: Perpetuate and enhance any existing mast resource through trimming and fertilizing existing trees as well as possibly establishing new apple/crabapple and or oak trees.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

41 NF_33101041- NonFor	5.4	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
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Prescription Maintain and enhance wildlife value of opening through cutting, mowing, tilling, herbaceous plantings, fertilizing, use of herbicide.

Specs: Perpetuate and enhance any existing mast resource through trimming and fertilizing existing trees as well as possibly establishing new apple/crabapple and or oak trees.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

**Table 3 -- Treatments Prescribed
with No 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
42 NF_33101042-NonFor	9.9	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal

Prescription Maintain and enhance wildlife value of opening through cutting, mowing, tilling, herbaceous plantings, fertilizing, use of herbicide.

Specs: Perpetuate and enhance any existing mast resource through trimming and fertilizing existing trees as well as possibly establishing new apple/crabapple and or oak trees.

Other Comments:

Next Steps:

Proposed Start Date: Unspecified

**Total Treatment
Acreage Proposed: 572.7**

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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#Error

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**



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	5.6	70		Mixed upland/lowland site. This stand is part of the Friday creek riparian zone. Maintaining a no cut buffer along the creek.
2	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	3.3	11		Other species include balm and black ash. Cut under the Blue Blazes sale with all hardwood species cut and 3 stick and more spruce and fir with the hemlock and cedar left as well as green painted trees.
3	4110 - Sugar Maple Association	High Density Log	29.5	84	81-110	Sugar maple regeneration is from heavily browsed on the south end to decent on the north end. BA is variable wait until next treatment period to treat.
5	6119 - Mixed Lowland Deciduous Forest	High Density Sapling	29.5	11		Low end of 50-75%. Other species include black cherry. All trees cut with 1 or more sticks and all cedar and hemlock were left. This stand was cut under the Blue Blazes sale.
6	4136 - Aspen, Mixed Conifer	High Density Sapling	14.6	11		Balm, black ash and cattails in the lower areas of the stand. Cut under the Blue Blazes hardwood sale.
7	4112 - Maple, Beech, Cherry Association	High Density Log	65.9	84	81-110	Decent sugar maple regeneration in places. This stand was cut under the blue blazes hardwood sale last in 2000. Mix of pole and log stand. The small piece on the north side of the road will need to be removed from sca.
8	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	3.5	89		Other species include quaking aspen, red maple.
9	4119 - Mixed Northern Hardwoods	High Density Pole	18.3	84	111-140	The southern and western portion of this stand will be a part of the Friday creek SCA. The northern portion is prescribed for harvest. This stand was last harvested under the lone fawn sale. The sale would use the old stand boundary lines. Access is from the north. The balsam fir, spruce regeneration and black ash in the drainage that runs through the middle.
10	4130 - Aspen	High Density Pole	20.4	33		Cut under the Friday creek sale in 1979 with all trees cut that will yield one or more sticks. Elm salvaged here.
12	4134 - Aspen, Spruce/Fir	High Density Pole	36.4	22		Two stand from OI combined with the east side harvested under the lone fawn sale in 98(all aspen, balm, white birch, hardwood with one or more sticks and all 3 stick and more spruce/fir cut, (and the west under the friday creek aspen in 1990 (all trees cut down to 2" dbh)..
13	4119 - Mixed Northern Hardwoods	High Density Pole	35.4	75	111-140	Some decent maple regeneration. This stand is a mix of lowland ash with red maple and mixed red and sugar maple with some pockets of pure sugar maple. Open up with more intensive harvest. Some pretty decent red maple here.
14	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	23.0	73		This stand is a mix of lowland and upland with black ash and red maple and aspen/spruce/fir/balm. Their is a small sliver of hardwoods along the west line.

Stand	Escanaba Mgt. Unit		5 – Forested Stands			Compartment: 101
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2014
						General Comments:
15	4140 - Other Upland Deciduous	High Density Sapling	2.2	16		Lowland/upland stand with balm and aspen. Other species include yellow birch,paper birch. Cut under the big bear hardwoods sale. Closer to the 75% cover type %.
17	6132 - Mixed Lowland Forest with Cedar	High Density Pole	48.0	96		SCA-Friday Creek Riparian area corridor.
19	4130 - Aspen	High Density Pole	11.9	52		This stand is ready to harvest. The red maple is a mix of pole and sapling.
20	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	8.4	83		Variable diameters of the red maple. Some decent regeneration of the spruce and fir. A few pockets of the smaller diameter black ash.
22	4319 - Mixed Upland Forest	High Density Sapling	15.4	22		Other species include; cherry,black ash, yellow birch, paper birch. Mix of open areas with spruce/fir and aspen. Cut under the Big Bear Hardwoods sale.
23	4110 - Sugar Maple Association	High Density Log	282.1	84	81-110	Other species include; yellow birch,balsam fir,white spruce,beech,balsam poplar,quaking aspen,ash along edges of e types. This stand is a combination of stands from OI including stand 44(cut under the hardwood patches in 95) Stand 13(treated in 05 under the friday creek hardwood), stand 39 (harvested in hardwood patchesII in 97),stand 18(friday creek hardwood), stand 25(friday creek hardwood). The portions of stand 44 and 39 will be treated.
24	4199 - Other Mixed Upland Deciduous	Medium Density	24.1	28		A mix of sapling and pole timber here. Elm here as well. This stand was cut under the Dumb Bear Sale with the western portion cut under the Big Bear Hardwoods sale.
25	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	8.2	23		This stand was cut in 1990 under the Big Bear hardwoods sale.
26	6120 - Lowland Cedar	High Density Pole	88.3	81		I did not walk through entire stand.
27	429 - Mixed Upland Conifers	Low Density Sapling	16.2	22		Other species here include tamarack. This stand was cut under the Big Bear Hardwood sale in 1990. Some filling in of spruce and fir and white pine in the upland areas. Just a scarification of the soil would allow for more seeding of spruce,fir, and pine. This would include portions of stand 26.
29	4112 - Maple, Beech, Cherry Association	High Density Pole	2.7	77	81-110	This stand was select cut in the phantom wolf sale in 2003 with a spruce objective. The balsam fir is p/s understory. The cedar is very low understory.
30	6132 - Mixed Lowland Forest with Cedar	High Density Pole	16.1	88		The balsam fir and spruce overstory is mostly dead now. Best option for regenerating maple and other short lived species would be clearcut. Possible leave of all yellow birch and a few paper birch as well as a few seed tree spruce. Age from previous OI with the cedar being older.
31	6119 - Mixed Lowland Deciduous Forest	High Density Pole	56.7	88		Look into the feasibility of treating next treatment period.



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Escanaba Mgt. Unit

5 – Forested Stands

Compartment: 101
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
32	6120 - Lowland Cedar	Medium Density Pole	33.9	102		The cedar left is the canopy and the understory is the regenerating stand. This stand is still a mixed lowland conifer stand not a cedar stand.
33	4113 - R.Maple, Conifer	High Density Sapling	7.3	24		This stand was cut in 1988. Around the edge of stand is 25-50% cover with balsam fir, white spruce and tag alder. The interior is higher amounts of red maple and cherry.
34	4191 - Mixed Upland Deciduous with Conifer	Medium Density	7.6	24		This stand was cut under the wood tick hardwoods sale in 1988.
35	4110 - Sugar Maple Association	High Density Pole	299.4	84	111-140	Elm salvages done here in the past.
38	6119 - Mixed Lowland Deciduous Forest	High Density Pole	4.8	79		Other species include cedar, white spruce and elm.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	6229 - Mixed lowland shrub	9.2	No	Unspecified	
11	3102 - Grass	1.1	No	High (NonForested)	
16	310 - Herbaceous Openland	3.4	N/A	Unspecified	
18	3102 - Grass	6.1	No	High (NonForested)	
21	6229 - Mixed lowland shrub	8.3	No	Unspecified	
28	3102 - Grass	2.5	No	High (NonForested)	
36	3102 - Grass	2.2	No	High (NonForested)	
37	3102 - Grass	2.5	No	High (NonForested)	
39	3102 - Grass	8.7	No	High (NonForested)	
40	3102 - Grass	2.5	No	High (NonForested)	
41	3102 - Grass	5.4	No	High (NonForested)	
42	3102 - Grass	9.9	No	High (NonForested)	



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
1	Unique Site - SCA	33101001	5.6	SCA- Friday creek riparian area corridor. This stand provides a buffer no cut buffer along the Friday creek.
3	Unique Site - SCA	33101003	2.3	SCA- Friday Creek Riparian area corridor. This portion of the stand provides a buffer for water quality along the Friday Creek.
7	Unique Site - SCA	33101007-SCA	3.2	This stand is a part of the Friday Creek Riparian area corridor. This stand provides water quality and a buffer along the Friday Creek. This portion will be treated by leaving larger diameter trees and no cutting within 100 feet of Friday creek.
9	Unique Site - SCA	33101009-SCA	9.0	SCA- Riparian area corridor along the Friday Creek. No cutting buffer along the creek to protect water quality.
17	Unique Site - SCA	33101017	48.0	SCA- Riparian area corridor along the Friday Creek. Provides a buffer for water quality along the Friday Creek.
4	Unique Site - SCA	NF_33101004	9.2	SCA- Friday creek riparian area corridor. This stand provides a buffer for water quality along the Friday Creek.



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.

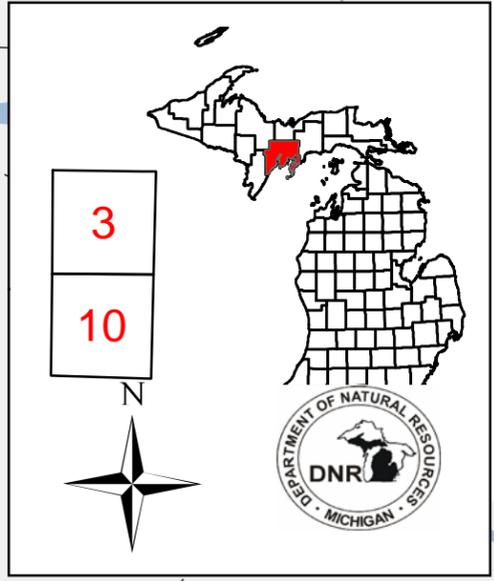
ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

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.

Compartment: 101
 T42N R22W Sec. 3, 10
 County: Delta
 Unit: Escanaba
 YOE: 2014
 Acres: 1,280 GIS Calculated
 Examiner: Dan Racine
 Map Revised: 07/19/2012
 Map Phase: Pre-Review

Cover Type & Treatment Map

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



Legend

- Miris Corners
- + Remonumented Section Corners
- ◆ Corners
- == Gravel Roads
- - - Poor Dirt Roads
- Stream
- - - Intermittent Stream
- Lakes and Rivers

Treatments

- ▨ Clearcut (w/Reserves, Patch/Strip)
- ▧ Shelter Wood (w/Reserves)
- ▩ Thinning (Crown, Low, Systematic)
- ▤ Selection (Group, Single Tree)
- ▦ Site Preparation
- ▧ Other Treatment - See Comments

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- State Forest Land

