



**TRAVERSE CITY FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 165 ENTRY YEAR: 2012

Compartment Acreage: 1787 County: Kalkaska

Stand Examiner: Michael Lesinski

Legal Description: T27N, R8W, Sections 16-19.

Management Goals: Mixed use.

Soil and Topography: Soils range from Rubicon Sand to Kalkaska Loamy Sand. The topography is rolling hills.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

The ownership in and around compartment is primarily State-owned land. In section 16 there are some privately owned lots. One is known as The Peninsula and is bounded on the west, south and east by Island Lake and on the north by Island Lake Road and is one acre in size. The other is a series of lots located in W1/2W1/2SESW. Some of these lots are privately owned and some are owned by the State. This was coded as private property because there is more acreage of private (.9) than state (.8). This compartment has an excellent mixture of timber types and a wide variety of recreational opportunities. Sand Lakes Quiet Area is located on adjacent State lands to the south. Some of this compartment was hit with a windstorm in 1998, and the affected stands were subsequently treated with salvage harvests.

Unique, Natural Features (include only non-site specific and non-sensitive information):

None listed on the Natural Features Inventory.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): Two Late Woodland Camps listed in the Archeological Site Listing.

Special Management Designations or Considerations: The compartment holds a few stands that border the Sand Lakes Quiet area.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of an end moraine of coarse textured till and glacial outwash sand & gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. There is no current economic use for the Coldwater Shale. The nearest gravel pits are within one mile to the north. Gravel potential in the compartment is considered good. This area is located along the northern edge of the Silurian Niagaran reef trend. Part of the State land is currently leased for oil and gas development and there may be additional reef potential. Part of the Compartment has been nominated for underground gas storage and Section 18 has been nominated for the May 2010 lease auction. The Antrim Shale has not been developed in this area, but may have some future potential.

Vehicle Access: The compartment is bordered to the south by Island Lake Road, and is split nearly in half by Dockery Road. The Boardman Valley Snowmobile trail passes east to west through the compartment, which provides nearly year-round access to a large portion of the compartment. Additionally, there are many "two track" type roads that provide access for both public and land management activities.

Survey Needs: There are no known survey needs in this compartment.

Recreational Facilities and Opportunities: Boardman Valley Snowmobile Trail crosses east to west through compartment. It is groomed and maintained by the Grand Traverse Snowmobile Club. The Riding-Hiking Trail is located in Section 16 and runs northerly.

Fire Protection: VFD Fire Protection is from the Kalkaska Fire Dept., and DNRE protection is from the Kalkaska Field Office. The south half of Section 19 falls within Zone 6 which means on a Very High or Extreme day additional DNRE equipment from several stations will also respond to the fire. Travel time from the Kalkaska Field Office is good, access is not a problem here. Urban Innerface is not a concern, although Guernsey Lake State Forest Campground as well as dispersed camping occurs in this compartment.

Additional Compartment Information: None.

****** Cover type details, proposed treatments and stands designated as FDF are listed in the attached reports:**

- Cover Type by Age Class**
- Cover Type by Management Objective**
- Compartment Volume Summary**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**

****** The following information is displayed on the attached compartment maps:**

- Base feature information, stand numbers, cover types**
- Proposed treatments**
- Proposed road access system**
- Suggested potential old growth**

Cover Type & Treatment Map

Compartment 165
 T27N, R08W, Sec. 16-19
 County: Kalkaska
 Unit: Traverse City
 YOE: 2012
 Acres: 1,831 GIS Calculated
 Stand Examiner: Mike Lesinski
 Map Revised: 5/03/2010
 Map Phase: Pre-Review

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

Legend

- Miris Corners
- Paved Roads
- - - Poor Dirt Roads
- ⋯ Closed Roads
- ⋯ Power
- - - Trails
- Snowmobile Trails
- Hiking Trails
- - - Intermittent Stream/Drain
- Stream
- ▒ Lakes and Rivers

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- Selection (Group, Single Tree)

Forest Stands

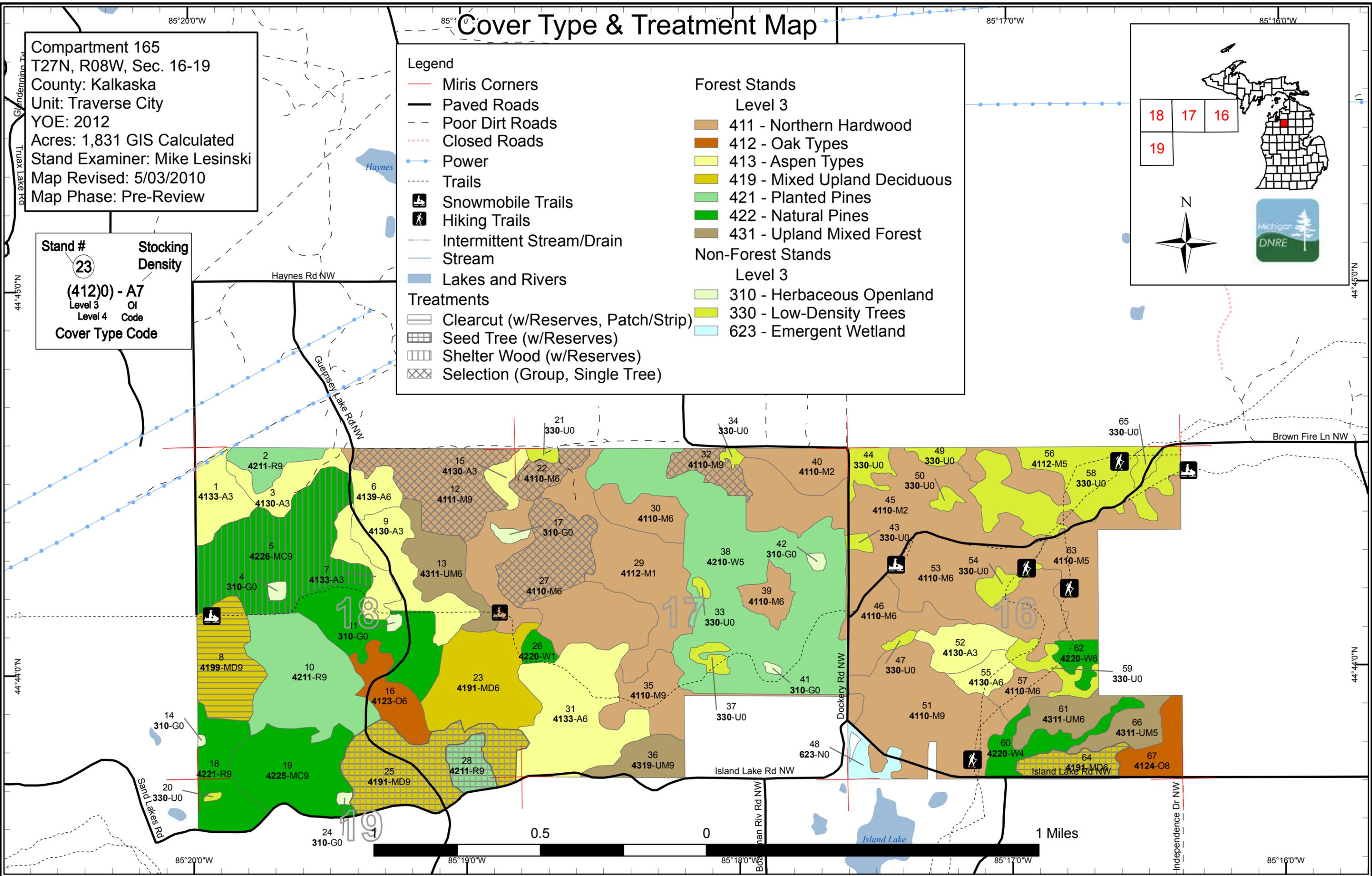
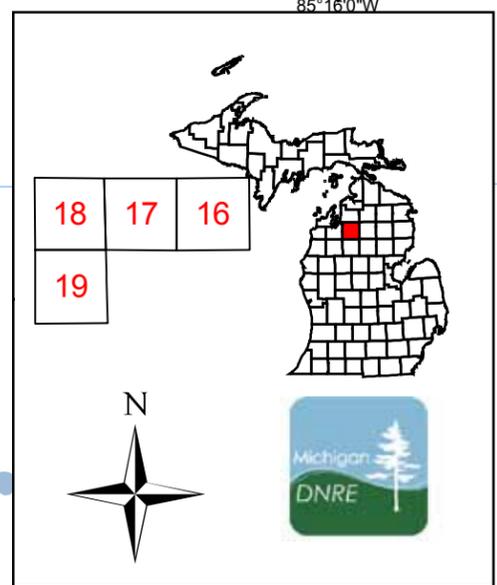
Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 623 - Emergent Wetland



Stand Boundary Map

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- 🚶 Hiking Trails
- ▭ Stand Boundaries

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Non-Forest Stands

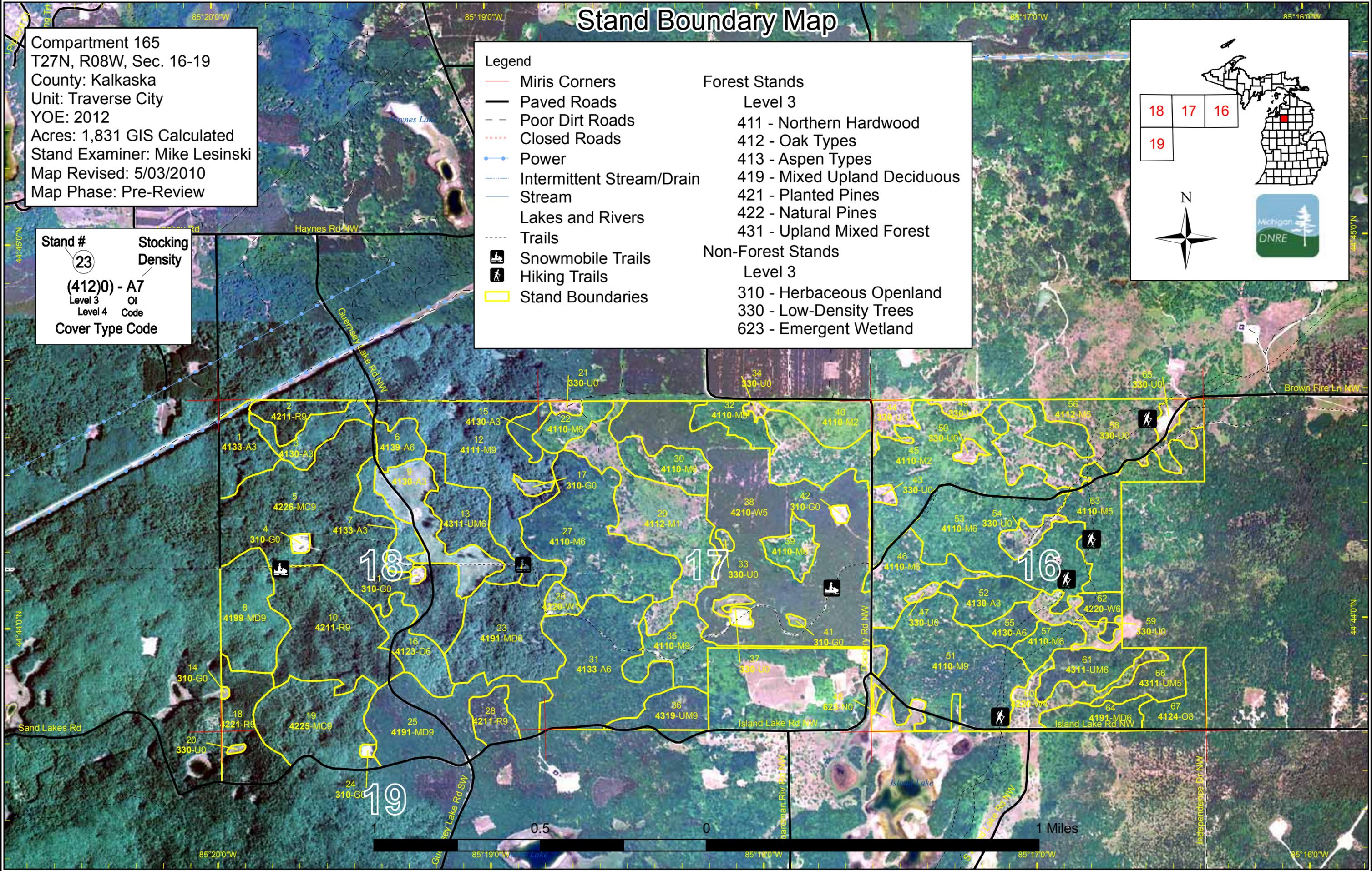
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18	17	16
19		

N

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Stocking Density
 (412)0 - A7
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 T27N, R08W, Sec. 16-19
 County: Kalkaska
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 YOE: 2012
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 Stand Examiner: Mike Lesinski
 Map Revised: 4/28/2010
 Map Phase: Pre-Review

Dedicated & Proposed Special Conservation Area Map

Legend

-  Miris Corners
-  Stand Boundaries
- Dedicated Special Conservation Areas**
-  Dedicated Management Areas
-  IFMAP Special Conservation Areas
-  OI Special Conservation Areas
-  Potential Old Growth Stands

Forest Stands

Level 3

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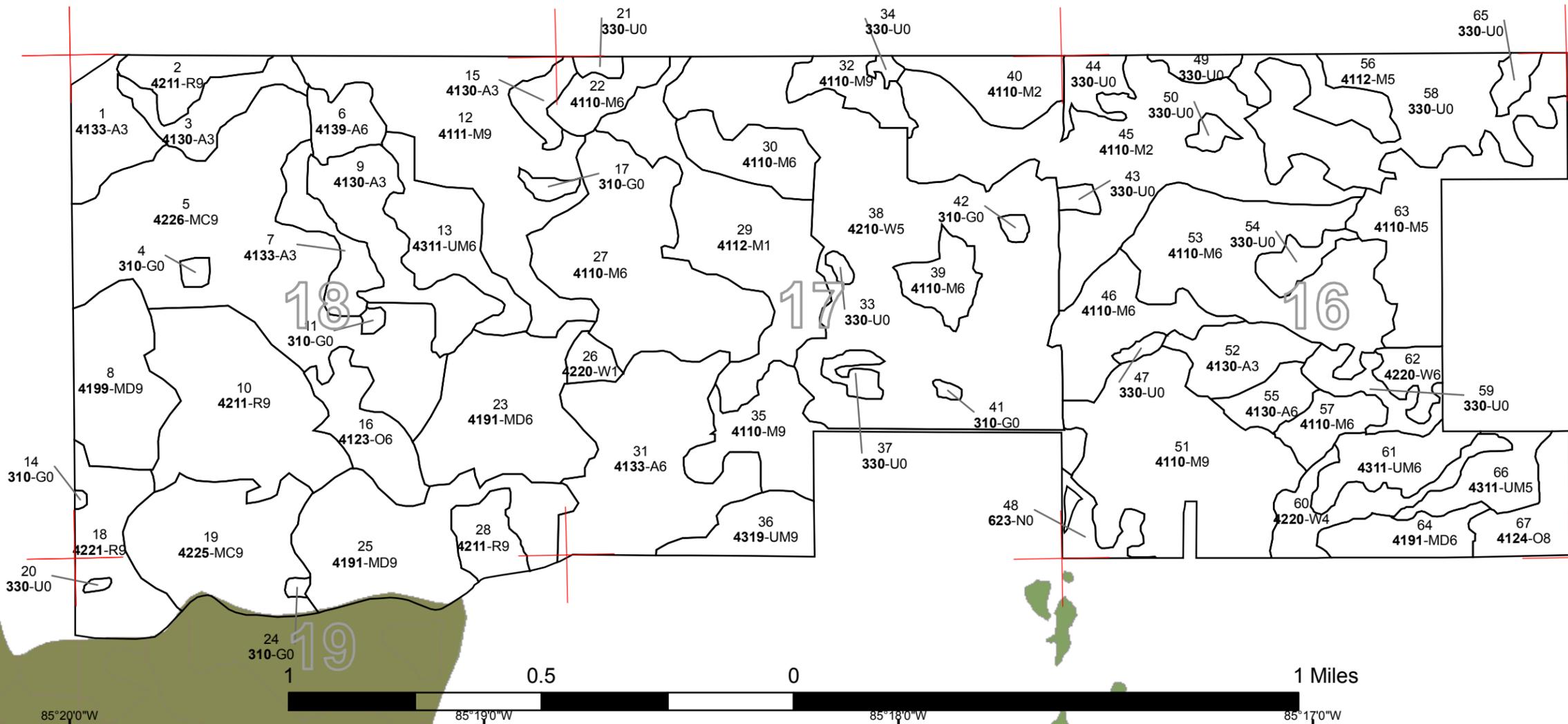
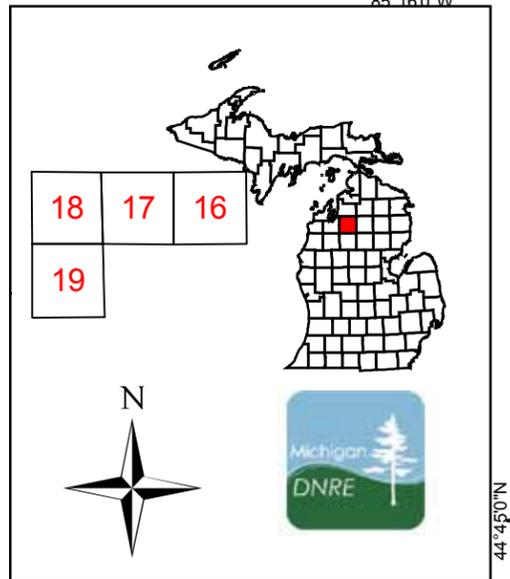


Table 1 – Total Acres by Cover Type and Age Class
 (Level 3 Cover Type)



	Age Class														Total	
	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
Aspen Types	0	50	51	18	78	0	0	0	0	0	0	0	0	0	0	198
Emergent Wetland	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Low-Density Trees	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120
Mixed Upland Deciduous	0	0	0	0	0	16	0	52	96	0	0	0	0	0	0	164
Natural Pines	0	0	19	0	0	8	30	5	126	0	0	0	0	0	50	238
Northern Hardwood	0	61	118	28	0	97	74	267	0	0	0	0	0	0	14	658
Oak Types	0	0	0	0	0	0	0	0	38	0	0	0	0	0	0	38
Planted Pines	0	0	0	0	0	172	66	25	0	0	0	0	0	0	0	262
Upland Mixed Forest	0	0	0	28	19	0	16	0	17	0	0	0	0	0	0	79
Total	137	111	188	74	97	293	186	348	277	0	0	0	0	0	64	1775



Table 2 – Proposed Treatment Summaries

Traverse City Mgt. Unit
Year of Entry 2012

Compartment 165
Total Compartment Acres: 1775

Acres by Treatment Type

Commercial Harvest - 316	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 13	Other - 1
Habitat Cut - 0	Opening Maintenance - 15	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
Mixed Upland Deciduous	37	0	75	0	0	0	112
Natural Mixed Pines	0	0	0	82	0	0	82
Northern Hardwood	0	111	0	0	0	0	111
Red Pine	0	0	12	0	0	0	12
Total	37	111	87	82	0	0	316



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5	61165005-Cut	81.9	42260 - Natural Pine, Mixed Deciduous	High Density Log	76	Harvest	Shelterwood	Natural White Pine, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription:</u> Expand aspen clones where applicable. 50% reduction in BA in areas that are heavy to pine and oak. Create oak regeneration openings <u>Specs:</u> throughout. Remove cull trees and overmature logs first. Retention: Residual stand BA. <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u>									
8	61165008-Cut	36.6	4199 - Other Mixed Upland Deciduous	High Density Log	78	Harvest	Clearcut with Reserves	Aspen, Mixed Pine	Cmpt. Review Proposal
<u>Prescription:</u> Final harvest. Leave approximately 10 BA of mixed oak for seed source and retention. <u>Specs:</u> <u>Other</u> <u>Comments:</u> Create some (approximately 1 tree per 2 acres) coarse woody debris (CWD) during harvest operations, preferably via timber sale specs. CWD trees should be log sized or bigger, the more decay resistant the tree species is the better, and cut approximately at breast height (4.5 feet). The log should be left within 3 feet it's stump. <u>Next</u> <u>Steps:</u>									
12	61165012-Cut	48.7	4111 - S.Maple, Hard Mast Association	High Density Log	69	Harvest	Single Tree Selection	Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription:</u> Reduce BA to approximately 70 in areas of mixed hardwood. Remove overmature and cull trees first. Expand aspen clones where applicable. <u>Specs:</u> Create regeneration openings throughout. Retention: Residual stand BA. <u>Other</u> <u>Comments:</u> Harvest will be limited by topography. Favor areas that are flat enough to be commercially harvested. Harvested acreage may differ from treatment acreage due to steep ridges. <u>Next</u> <u>Steps:</u>									
22	61165022-Cut	11.6	4110 - Sugar Maple Association	High Density Pole	45	Harvest	Single Tree Selection	Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription:</u> TSI. Remove culls and poor formed trees. Target residual BA of 60 to 90 square feet. Retention: Residual stand BA. <u>Specs:</u> <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u>									
25	61165025-Cut	59.3	4191 - Mixed Upland Deciduous with Conifer	High Density Log	73	Harvest	Seed Tree with Reserves	Oak, Pine	Cmpt. Review Proposal
<u>Prescription:</u> Leave approximately 20 BA oak and pine mix. Expand aspen clones. Cut all red maple. Create multiple regeneration openings. Retention: <u>Specs:</u> Residual oak and pine BA. <u>Other</u> <u>Comments:</u> <u>Next</u> <u>Steps:</u>									



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
27	61165027-Cut	38.0	4110 - Sugar Maple Association	High Density Pole	56	Harvest	Single Tree Selection	Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription</u> Remove culls and poor formed trees. Target residual BA of 60 to 90 square feet. Expand aspen clones where applicable. Retention: Residual <u>Specs:</u> stand BA.</p> <p><u>Other</u> Harvest to follow topography. A few areas may be too steep to harvest. <u>Comments:</u></p> <p><u>Next</u> <u>Steps:</u></p>									

28	61165028-Cut	11.8	42110 - Planted Red Pine	High Density Log	68	Harvest	Seed Tree with Reserves	Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> Target residual BA of 20 to 40 square feet. Leave a mix of oak and pine where applicable. Create regeneration openings throughout. <u>Specs:</u> Retention: Residual stand BA.</p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>Steps:</u></p>									

32	61165032-Cut	12.6	4110 - Sugar Maple Association	High Density Log	67	Harvest	Single Tree Selection	Sugar Maple Association	Cmpt. Review Proposal
<p><u>Prescription</u> TSI. Remove culls and poor formed trees. Target residual BA of 60 to 90 square feet. Retention: residual stand BA. <u>Specs:</u></p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>Steps:</u></p>									

64	61165064-Cut	15.8	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	45	Harvest	Seed Tree with Reserves	Aspen, Mixed Pine	Cmpt. Review Proposal
<p><u>Prescription</u> Expand aspen clones where applicable. In oak and pine areas, target a residual BA of 10 to 20 square feet. Create regeneration openings <u>Specs:</u> throughout. Retention: oak and pine residual.</p> <p><u>Other</u> Create some (approximately 1 tree per 2 acres) coarse woody debris (CWD) during harvest operations, preferably via timber sale specs. CWD <u>Comments:</u> trees should be log sized or bigger, the more decay resistant the tree species is the better, and cut approximately at breast height (4.5 feet). The log should be left within 3 feet of its stump.</p> <p><u>Next</u> <u>Steps:</u></p>									

**Total Treatment
Acreage Proposed: 316.3**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

**Total Treatment
Acreage Proposed: 0**

Stand	Traverse City Mgt. Unit			5 – Forested Stands		Compartment: 165	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2012	
1	4133 - Aspen, Mixed Pine	High Density Sapling	19.8	15	51-80		Aspen regen with pockets of oak and mixed hardwood.
2	42110 - Planted Red Pine	High Density Log	12.7	69	111-140		Canopy is about 75% closed. Red pine still has room for canopy growth. This stand is nearing the end of merchantability due to its size (diameter is close to outgrowing local markets).
3	4130 - Aspen	High Density Sapling	16.6	17	51-80		17 year old aspen regen with some scattered white pine and mixed hardwood. Stand is fully stocked.
5	42260 - Natural Pine, Mixed Deciduous	High Density Log	126.0	76	171-200		Heavily mixed stand. Some small areas within the stand will be difficult to harvest due to topography.
6	4139 - Aspen, Mixed Deciduous	High Density Pole	11.2	23	51-80		Aspen and maple regen. Not ready for further management.
7	4133 - Aspen, Mixed Pine	High Density Sapling	14.6	15	1-50		Aspen regen.
8	4199 - Other Mixed Upland Deciduous	High Density Log	36.6	78	171-200		Stand should be clear cut. Resulting regeneration would be heavy to aspen, with some maple, oak, and pine. Good site. Stand should regen well.
9	4130 - Aspen	High Density Sapling	32.0	5			Recent clear cut. Aspen is regenerating nicely.
10	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	65.8	59	81-110		Split stand to form stand 66. Treat stand 12 next rotation.
12	4111 - S.Maple, Hard Mast Association	High Density Log	76.0	69	111-140		Log sized sugar maple and mixed hardwood. Stand has fairly steep ground with some high hardwood ridges. There are some pockets of declining bigtooth aspen.
13	4311 - Pine, Aspen Mix	High Density Pole	27.6	26	81-110		Aspen and white pine mix. Not ready for harvest at this point.
15	4130 - Aspen	High Density Sapling	7.3	25	51-80		Fully stocked aspen regen. No management needed at this time.
16	4123 - Red Oak	High Density Pole	20.9	76	81-110		Mixed oak and pine stand. Poorer quality site.
18	42210 - Natural Red Pine	High Density Log	30.1	59	171-200		Overmature aspen, dense red pine, some steeper topography, but stand is workable overall.
19	42250 - Pine, Oak	High Density Log	49.9	Uneven Age	141-170		Well stocked Red Pine and Oak. May want to break part of this stand out, and include in a timber sale with stand #66.
22	4110 - Sugar Maple Association	High Density Pole	11.6	45	81-110		Small sugar maple pole stand. Could benefit from TSI. Could be combined with thinning planned for stand 11.



Stand	Traverse City Mgt. Unit			5 – Forested Stands		Compartment: 165
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2012
						General Comments:
23	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	52.0	65	81-110	Stand is mostly a mix of oak and pine with some patches of poor quality aspen.
25	4191 - Mixed Upland Deciduous with Conifer	High Density Log	59.3	73	141-170	Pockets of aspen and red pine with oak intermixed. Aspen is in decline. Some areas are heavy to a white pine understory.
26	42200 - Natural White Pine	Low Density Sapling	5.1	62		Cut to seedtree after 1998 tornado. Stand is converting to red maple and beech with some scattered pine.
27	4110 - Sugar Maple Association	High Density Pole	74.1	56	81-110	Stand is mainly pole sized sugar maple. Some scattered sugar maple logs. Declining aspen found in pockets. Very small amount of scattered red oak.
28	42110 - Planted Red Pine	High Density Log	11.8	68	141-170	Red pine plantation. Nearing end of rotation.
29	4112 - Maple, Beech, Cherry Association	Low Density Sapling	61.0	7		Primarily a hardwood stand. Final harvest last YOE. Some scattered white pine.
30	4110 - Sugar Maple Association	High Density Pole	18.7	42	81-110	Pole sugar maple stand. Small stand. Fairly steep. Limited commercial appeal.
31	4133 - Aspen, Mixed Pine	High Density Pole	68.4	35	51-80	Mixed stand. Not ready for harvest at this point.
32	4110 - Sugar Maple Association	High Density Log	12.6	67	111-140	
35	4110 - Sugar Maple Association	High Density Log	29.0	66	81-110	
36	4319 - Mixed Upland Forest	High Density Log	17.0	73	111-140	Steep. Terrain is a limiting factor to harvest.
38	42100 - Planted White Pine	Medium Density Pole	172.0	48	141-170	Row thinned last YOE. 50% volume removal. Canopy has not closed yet.
39	4110 - Sugar Maple Association	High Density Pole	11.6	47	81-110	Mainly sugar maple poles with some larger oaks. Not ready for commercial thinning.
40	4110 - Sugar Maple Association	Medium Density	18.9	10		Final harvest ten years ago. There were a few sugar maple reserves left in stand (less than 10 BA).
45	4110 - Sugar Maple Association	Medium Density	99.3	12		Salvage cut following tornado in 1998.
46	4110 - Sugar Maple Association	High Density Pole	27.6	26	141-170	Pole stand. Not ready for commercial thinning.
51	4110 - Sugar Maple Association	High Density Log	79.4	66	111-140	High quality sugar maple stand. Thinned last YOE, canopy still has some gaps. Thin again in 10 years.



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Traverse City Mgt. Unit

5 – Forested Stands

Compartment: 165

Inventory Method: IFMAP

Year of Entry: 2012



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
52	4130 - Aspen	High Density Sapling	18.1	4		Recently CC.
53	4110 - Sugar Maple Association	High Density Pole	69.6	64	51-80	Mixed pole stand. Not ready for commercial thinning.
55	4130 - Aspen	High Density Pole	9.9	38	51-80	Narrow band of aspen and mixed hardwood. Not ready for final harvest.
56	4112 - Maple, Beech, Cherry Association	Medium Density Pole	13.9	Uneven Age	51-80	Stand is a narrow band along adjoining harvest. Most of stand is sidehill that would be equipment limited.
57	4110 - Sugar Maple Association	High Density Pole	11.5	47	81-110	Poorer quality hardwoods. Pole stand. Small diameters make this stand not viable for commercial thinning.
60	42200 - Natural White Pine	Low Density Pole	18.9	18		Changed from non forested to forested. Scattered clumps of white pine and black cherry with grass openings between.
61	4311 - Pine, Aspen Mix	High Density Pole	18.8	31		Poorer quality aspen site.
62	42200 - Natural White Pine	High Density Pole	8.4	49	81-110	Mix of white pine logs and poles. Thinned following last YOE. Very little understory.
63	4110 - Sugar Maple Association	Medium Density Pole	43.5	42		Lower quality mixed hardwood stand. Approximately 75% canopy closure. Thinned following last YOE. Horse trail passes through stand.
64	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	15.8	45	81-110	Mixed stand, pine and hardwood. Some pockets of aspen. Borderline on harvestability.
66	4311 - Pine, Aspen Mix	Medium Density Pole	15.6	50	1-50	Fairly poor site. Mixed aspen and pine. A few small openings in stand.
67	4124 - Red with White Oak	Medium Density Log	17.2	73	51-80	Fairly open stand (approximately 70% canopy closure). Not ready to treat.



Stand	Cover Type	Acres	Gen Cmts:
4	3105 - Mixed Upland Herbaceous	1.9	
11	3303 - Mixed Low Density Trees	1.3	
14	3105 - Mixed Upland Herbaceous	0.5	
17	3105 - Mixed Upland Herbaceous	2.6	
20	3302 - Low Density Conifer Trees	0.7	
21	3303 - Mixed Low Density Trees	2.3	
24	3105 - Mixed Upland Herbaceous	1.0	
33	3303 - Mixed Low Density Trees	1.4	
34	3303 - Mixed Low Density Trees	1.7	
37	3303 - Mixed Low Density Trees	4.7	
41	3105 - Mixed Upland Herbaceous	1.0	
42	3105 - Mixed Upland Herbaceous	1.6	
43	3303 - Mixed Low Density Trees	2.5	
44	3303 - Mixed Low Density Trees	8.5	
47	3303 - Mixed Low Density Trees	2.0	
48	6232 - Wet Prairie	8.3	
49	3303 - Mixed Low Density Trees	4.6	Scattered white pine and cherry.
50	3301 - Low Density Deciduous Tree	2.8	



Stand	Cover Type	Acres	Gen Cmts:
54	3303 - Mixed Low Density Trees	7.3	
58	3303 - Mixed Low Density Trees	64.2	White pine and mixed aspen in grass openings. Cherry, beech and sugar maple saplings along edges of stand.
59	330 - Low-Density Trees	11.4	
65	3303 - Mixed Low Density Trees	4.5	



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.

Inventory Method: IFMAP

Stand	SCA Type	SCA Name	Acres	Comments
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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
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.
SCA	Potential Old Growth Areas	This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process.