



Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 168

Entry Year 2016

Acreage: 1,853

County Kalkaska

Management Area: Boardman Plains

Revision Date: 05/15/2014

Stand Examiner: Donna Hagan

Legal Description:

T27N, R7W, Sec's 2, 3, 4, 5 & 6

Identified Planning Goals:

Vegetation management in the Boardman Plains management area (MA) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique, threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management objectives for this 10-year planning period include improving the age-class structure of aspen; increasing regeneration of oak; working toward balancing the red pine age-class structure; continuing emphasis on managing the northern hardwood resource for stand quality, age, and species diversity; wildlife values; and continued production of wood products. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity. Expected trends within this 10-year planning period are: increased recreational pressure, especially on the North Country and other established trails; increased oil and gas development; an increased wildland/urban interface; a need to restore oak/pine barrens communities; invasive plant control; and the conversion of poor oaks sites to mixed pine/oak sites.

Soil and topography:

Mostly flat with Rubicon & Kalkaska sands.

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

The compartment is located 1 ½ miles north of Kalkaska. State ownership in this compartment is widely scattered. Most of the sections are only in half state ownership. Two subdivisions are located in section 4 along US-131. Another borders the compartment in section 9. Many of the private parcels are in light industrial development. Further development of both kinds can be expected in the future.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Stand 53 has ORV damage leading down to Bird Lake. It was restored in 2004 but it didn't last. A \$12,000 restoration grant has been given for this area again, but must be used by Oct. 1, 2014. This lake is popular with the locals, so consideration should be given to allowing some type of access to this lake.

Watershed and Fisheries Considerations:

Bird Lake, a small pothole lake, is within this Compartment. A reasonable buffer (as outlined in Water Quality Management Practices on Forest Land) should be adhered to around this lake. Existing buffers appear to be appropriate for the proposed treatments.

Wildlife Habitat Considerations:

Compartment 168 lies just north of the city of Kalkaska and is bisected by US-131. This is a busy highway and presents a barrier to movement for many wildlife species. Parts of three types of glacial outwash formations, a broad outwash plain (5111), a pitted outwash plain (5211), and a small strip of poorly drained outwash channel (5549), comprise the geology of this compartment. Several large blocks of private property, including a residential neighborhood, break up state ownership. There are several trails that traverse this compartment, including ORV, hiking, and horse trails. The trails have various impacts, mainly non-consumptive, on wildlife.

Most of compartment 168 and the majority of the state ownership lie on the broad, flat outwash plain. The sandy soil found here was often the setting for large wildfires. These fires sustained a variety of fire driven communities, mainly conifer forests at the time of the GLO surveys. Present habitat types include aspen of various ages interspersed by

grassland openings, upland brush, and several pine plantations. Standing dead timber is usually left during harvest operations unless deemed a safety hazard. Future sales could also be designed to utilize existing conifers as residuals. Species found in these early to mid-successional communities include: white-tailed deer, ruffed grouse, eastern bluebird, smooth green snake, meadow vole, and red-tailed hawk.

The west end of the compartment is situated on a pitted outwash plain which also has dry sandy soils and was the scene of large wildfires. This type of outwash plain contains numerous kettle lakes, few of which occur in this compartment. With the exception of a larger representation of northern hardwoods, habitat types found here are similar to the ones found on the broad, flat outwash plain. Therefore, treatment designs for the early successional communities should also be similar.

The remaining outwash formation is a narrow, poorly drained channel, which contains Bird Lake. Conifer swamps were the most common community on this mucky soil and are still prevalent. However, with the exception of the lake, the section of outwash channel in this compartment is the tip of the channel and has the highest elevation of the channel. This apparently has resulted in drier soils which are supporting a mix of aspen, hardwoods, and pine. No treatments are prescribed for this area.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and post glacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have an economic use. Gravel pits are not located in the area, but there may be some potential. This area is located in the heart of the Niagaran reef trend, is currently leased for oil and gas development and most is held by production.

Vehicle Access:

No new access roads are needed at this time. There are roads running along the power line in section 2 and along pipelines in the rest of the compartment that need to be closed. These have been open for several years so the likelihood of them staying closed is unlikely.

Survey Needs:

Good corners in this compartment. No survey needs at this time. The sections in this compartment have been remonumented by the County Surveyor.

Recreational Facilities and Opportunities:

This compartment contains a variety of recreational trails. The non-motorized trails include the North Country Scenic Trail, and the Shore to Shore Equestrian trail. The motorized recreational trails include the Leetsville ORV Trail, and the Michigan Cross Country Cycle Trail (MCCCT). Trail protection specifications relevant to the specific type of trail should be used within stands being treated. Communication between the forester, and the appropriate recreation staff is needed to coordinate timber harvest activities impacting the Shore to Shore equestrian trail. Winter cuts are preferred when adjacent to all recreational trails to reduce user conflicts. A portion of the Leetsville ORV Trail along Rabourn Rd is on private lands via a lease agreement with Mid- Michigan Gas Storage Company. This section of trail will eventually be moved back onto State lands pending an approved trail proposal, and site visit/concurrence with the appropriate forester. (T.M.N. 5/13/14).

Fire Protection:

Since the compartment is located 1 mile North of the Kalkaska Field Office, fire response times are minimal. Just a few red pine stands scattered throughout the compartment are the only real concern, plus most have good access along main roads.

Additional Compartment Information:

The following reports from the Inventory are attached:

- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

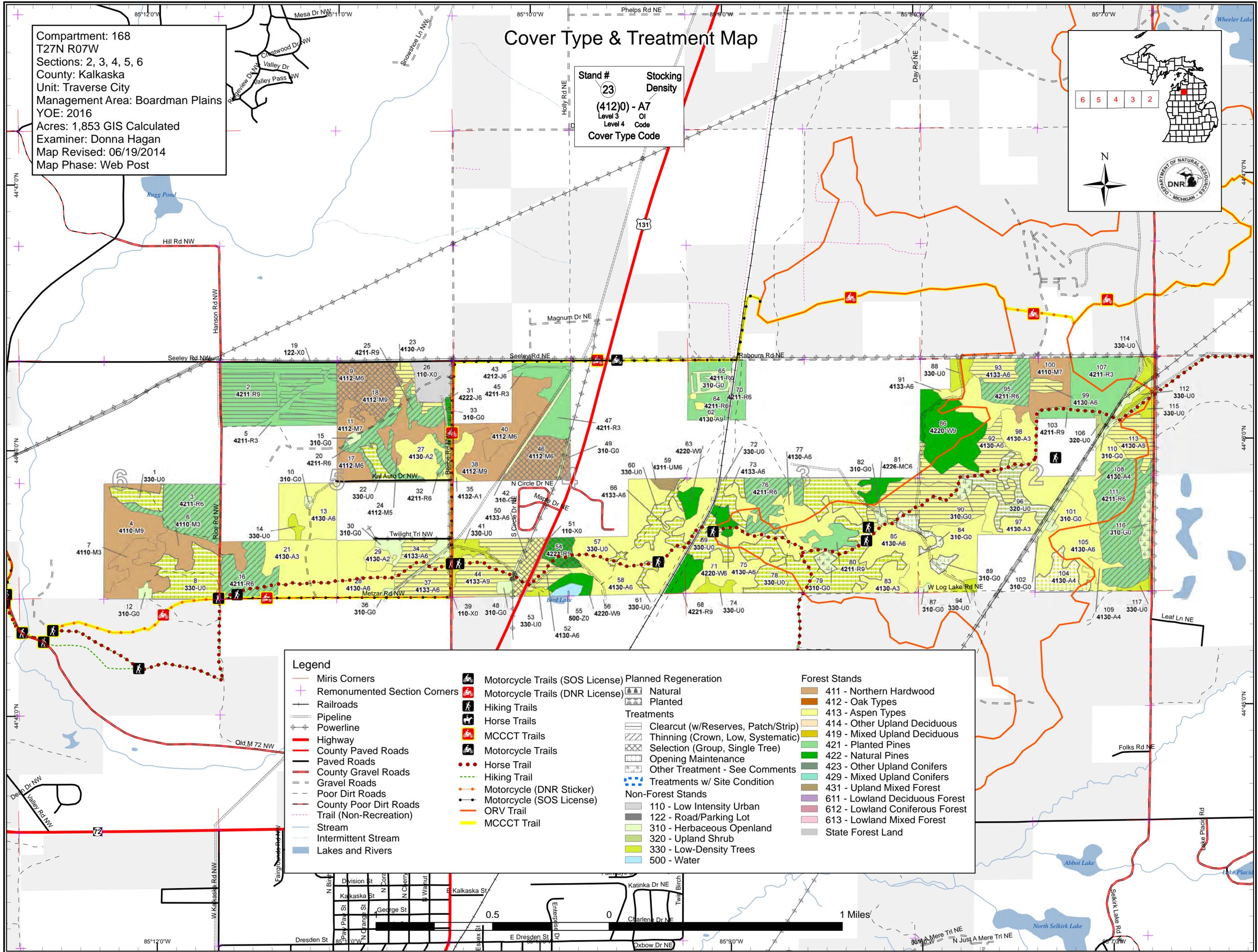
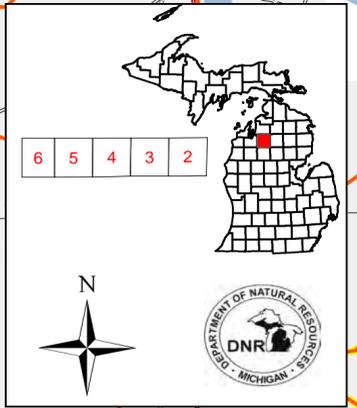
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map

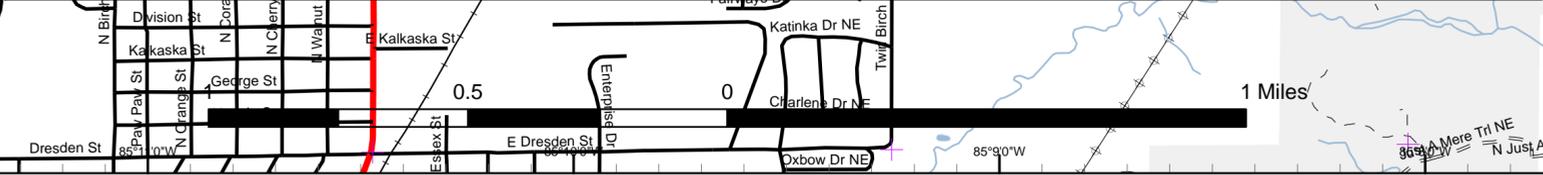
Compartment: 168
 T27N R07W
 Sections: 2, 3, 4, 5, 6
 County: Kalkaska
 Unit: Traverse City
 Management Area: Boardman Plains
 YOE: 2016
 Acres: 1,853 GIS Calculated
 Examiner: Donna Hagan
 Map Revised: 06/19/2014
 Map Phase: Web Post

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

Stocking
 Density
 OI
 Code



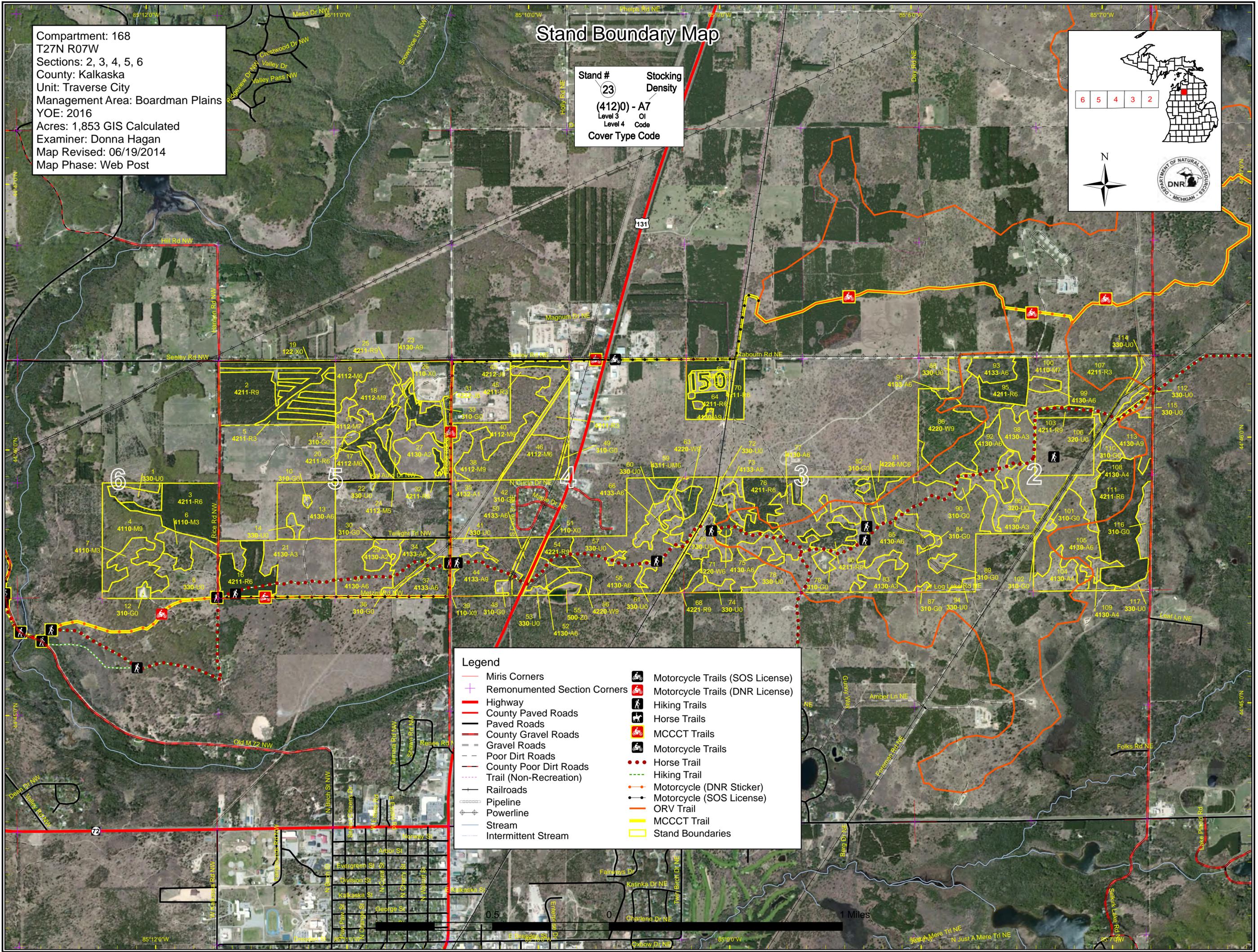
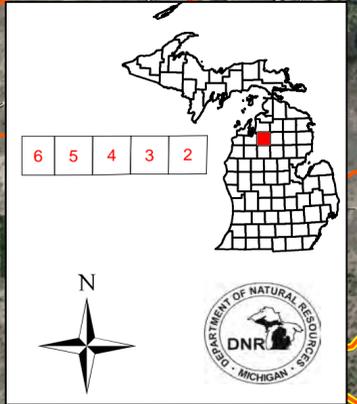
Legend	
	Miris Corners
	Remonumented Section Corners
	Railroads
	Pipeline
	Powerline
	Highway
	County Paved Roads
	Paved Roads
	County Gravel Roads
	Gravel Roads
	Poor Dirt Roads
	County Poor Dirt Roads
	Trail (Non-Recreation)
	Stream
	Intermittent Stream
	Lakes and Rivers
	Motorcycle Trails (SOS License)
	Motorcycle Trails (DNR License)
	Hiking Trails
	Horse Trails
	MCCCT Trails
	Motorcycle Trails
	Horse Trail
	Hiking Trail
	Motorcycle (DNR Sticker)
	Motorcycle (SOS License)
	ORV Trail
	MCCCT Trail
	Planned Regeneration
	Natural
	Planted
	Clearcut (w/Reserves, Patch/Strip)
	Thinning (Crown, Low, Systematic)
	Selection (Group, Single Tree)
	Opening Maintenance
	Other Treatment - See Comments
	Treatments w/ Site Condition
	Non-Forest Stands
	110 - Low Intensity Urban
	122 - Road/Parking Lot
	310 - Herbaceous Openland
	320 - Upland Shrub
	330 - Low-Density Trees
	500 - Water
	411 - Northern Hardwood
	412 - Oak Types
	413 - Aspen Types
	414 - Other Upland Deciduous
	419 - Mixed Upland Deciduous
	421 - Planted Pines
	422 - Natural Pines
	423 - Other Upland Conifers
	429 - Mixed Upland Conifers
	431 - Upland Mixed Forest
	611 - Lowland Deciduous Forest
	612 - Lowland Coniferous Forest
	613 - Lowland Mixed Forest
	State Forest Land



Stand Boundary Map

Compartment: 168
 T27N R07W
 Sections: 2, 3, 4, 5, 6
 County: Kalkaska
 Unit: Traverse City
 Management Area: Boardman Plains
 YOE: 2016
 Acres: 1,853 GIS Calculated
 Examiner: Donna Hagan
 Map Revised: 06/19/2014
 Map Phase: Web Post

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



Legend

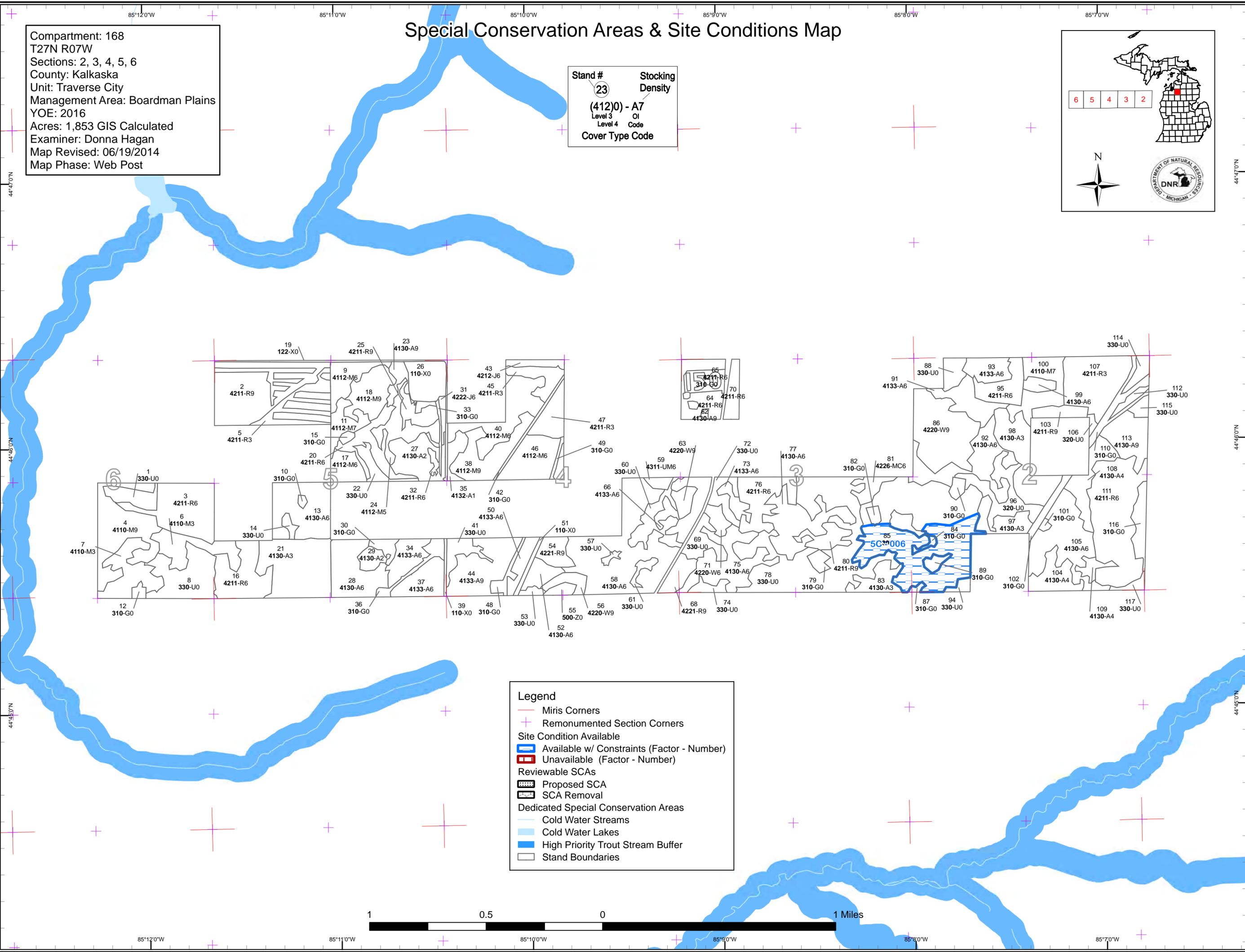
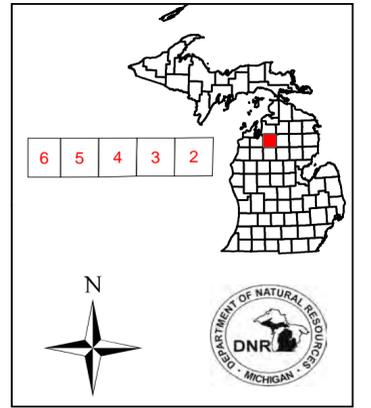
Miris Corners	Motorcycle Trails (SOS License)
Remonumented Section Corners	Motorcycle Trails (DNR License)
Highway	Hiking Trails
County Paved Roads	Horse Trails
Paved Roads	MCCCT Trails
County Gravel Roads	Motorcycle Trails
Gravel Roads	Horse Trail
Poor Dirt Roads	Hiking Trail
County Poor Dirt Roads	Motorcycle (DNR Sticker)
Trail (Non-Recreation)	Motorcycle (SOS License)
Railroads	ORV Trail
Pipeline	MCCCT Trail
Stream	Stand Boundaries
Intermittent Stream	

0.5 1 Miles

Special Conservation Areas & Site Conditions Map

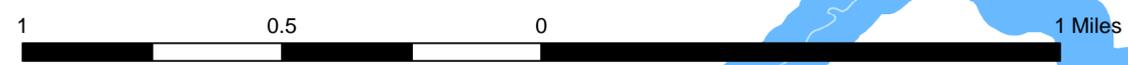
Compartment: 168
 T27N R07W
 Sections: 2, 3, 4, 5, 6
 County: Kalkaska
 Unit: Traverse City
 Management Area: Boardman Plains
 YOE: 2016
 Acres: 1,853 GIS Calculated
 Examiner: Donna Hagan
 Map Revised: 06/19/2014
 Map Phase: Web Post

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



Legend

- Miris Corners
- + Remonumented Section Corners
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Reviewable SCAs
- Proposed SCA
- SCA Removal
- Dedicated Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Stand Boundaries



Report 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	45	68	24	228	171	188	8	0	0	0	0	0	0	0	732
Herbaceous Openland	84	0	0	0	0	0	0	0	0	0	0	0	0	0	84
Jack Pine	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Low-Density Trees	218	0	0	0	0	0	0	0	0	0	0	0	0	0	218
Natural Mixed Pines	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Northern Hardwood	0	43	0	0	23	17	11	0	0	0	0	0	0	170	265
Red Pine	24	63	30	106	95	27	71	0	0	0	0	0	0	0	417
Upland Mixed Forest	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Upland Shrub	23	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Urban	29	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	6	0	12	46	0	0	0	0	0	0	0	64
Total	426	174	54	347	289	255	137	0	0	0	0	0	0	170	1853



Report 2 – Proposed Treatment Summaries

Traverse City Mgt. Unit
Year of Entry 2016

Compartment 168
Total Compartment Acres: 1,853

Acres by Treatment Type

Commercial Harvest - 544 Tree Planting - 67 Other - 0
Habitat Cut - 2 Opening Maintenance - 24

Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
(Habitat Cut)Planted Pines		0	0	0	0	2	0	2
Aspen Types		196	8	0	0	0	0	204
Natural Pines		3	10	0	0	0	0	13
Northern Hardwood		0	61	0	0	0	0	61
Planted Pines		67	0	0	0	199	0	266
Total		266	79	0	0	201	0	546



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	61168002-Cut	62.2	42110 - Planted Red Pine	High Density Log	60	200+	Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription Final harvest and replant to red pine. Leave retention along Seeley Road and/or Rice Road.

Specs:

Other Stand has been thinned twice.

Comments:

Next Site preparation and planting.

Steps:

Proposed

Start Date: 10/01/2015

3	61168003-Cut	38.1	42110 - Planted Red Pine	High Density Pole	46	200+	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription First thinning.

Specs:

Other Along Rice Road.

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2015

9	61168009-Cut	14.3	4112 - Maple, Beech, Cherry Association	High Density Pole	65	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
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Prescription Single tree select this stand retaining approximately 70-90 BA.

Specs:

Other Heavy ironwood in understory.

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2015

16	61168016-Cut	28.0	42110 - Planted Red Pine	High Density Pole	43	200+	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription First thinning.

Specs:

Other North Country and Shore-to-Shore Trails run through this stand.

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2015



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
18 61168018-Cut	20.5	4112 - Maple, Beech, Cherry Association	High Density Log	65	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Single tree select this stand retaining approximately 70-90 BA.

Specs:

Other Comments: Several monitoring and recovery wells are scattered throughout this stand.

Next Steps:

Proposed Start Date: 10/01/2015

20 61168020-Cut	17.5	42110 - Planted Red Pine	High Density Pole	42	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription First thinning.

Specs:

Other Comments: Stand is narrow in places.

Next Steps:

Proposed Start Date: 10/01/2015

23 61168023-Cut	8.0	4130 - Aspen	High Density Log	60		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription Harvest all species but leave a retention area along oil and gas facility.

Specs:

Other Comments: Several monitoring and recovery wells located in this stand. Map of these wells are in compartment folder.

Next Steps: Stand will regenerate back to aspen with some red maple.

Proposed Start Date: 10/01/2015

25 61168025-Cut	9.4	42110 - Planted Red Pine	High Density Log	42	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription First thinning.

Specs:

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2015



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
31 61168031-Cut	2.6	42221 - Natural Jack Pine, Mixed Deciduous	High Density Pole	50		Harvest	Clearcut	413 - Aspen	Cmpt. Review Proposal

Prescription Stand is a long sliver along Beebe Road and is too small for retention. Final harvest all species except leave any jack pine <4" DBH.
Specs:

Other
Comments:

Next This stand will regenerate to aspen and jack pine.
Steps:

Proposed
Start Date: 10/01/2015

32 61168032-Cut	2.5	42110 - Planted Red Pine	High Density Pole	42	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription First thinning.
Specs:

Other Narrow stand.
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

34 61168034-Cut	13.9	4133 - Aspen, Mixed Pine	High Density Pole	47		Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
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Prescription Final harvest leaving as retention the heavier concentrations of white pine, which is in the northeast part of stand and also leave some white pine scattered throughout stand.
Specs:

Other Stand runs along pipeline. North Country and Shore-to-Shore Trails run through this stand.
Comments:

Next Stand will regenerate to an aspen/pine mix.
Steps:

Proposed
Start Date: 10/01/2015

37 61168037-Cut	16.7	4133 - Aspen, Mixed Pine	High Density Pole	47	111-140	Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
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Prescription Final harvest leaving as retention the heavier concentrations of white pine, and also leave some white pine scattered throughout stand.
Specs:

Other Stand is a triangle that runs along pipeline, Beebe and Metzgar Roads. North Country and Shore-to-Shore Trails run through the north part of this stand.
Comments:

Next Stand will regenerate to aspen, pine and maple mix.
Steps:

Proposed
Start Date: 10/01/2015



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
43 61168043-Cut	5.0	42120 - Planted Jack Pine	High Density Pole	55		Harvest	Clearcut	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription Final harvest and plant to red pine. Too small for retention.
Specs:

Other This was left as a wind break, 7 rows wide along Seeley Road. Red pine south of this has grown enough to serve this purpose.
Comments:

Next Site preparation and planting to red pine.
Steps:

Proposed
Start Date: 10/01/2015

44 61168044-Cut	33.2	4133 - Aspen, Mixed Pine	High Density Log	47	111-140	Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
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Prescription Final harvest leaving as retention the heavier concentrations of pine, in the south and northeast part of stand, and also leave some pine scattered throughout stand.
Specs:

Other Stand runs along Beebe Road and a pipeline. North Country and Shore-to-Shore Trails run through this stand.
Comments:

Next Stand will regenerate to aspen, pine, maple mix.
Steps:

Proposed
Start Date: 10/01/2015

46 61168046-Cut	25.9	4112 - Maple, Beech, Cherry Association	High Density Pole	65	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
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Prescription Single tree select this stand retaining approximately 70-80 BA.
Specs:

Other Stand just clips the west side of US 131, but there is no access off of 131 for this stand. Electric line runs through southeast part of stand. Pipeline runs along west part of stand.
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

50 61168050-Cut	8.3	4133 - Aspen, Mixed Pine	High Density Pole	47		Harvest	Single Tree Selection	4311 - Pine, Aspen Mix	Cmpt. Review Proposal
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Prescription Take out aspen and red maple and leave all white pine.
Specs:

Other Stand runs along the west side of 131, and on the western side of stand is a pipeline. Visual concerns along 131 plus North Country and Shore-to-Shore Trails run through this stand.
Comments:

Next Stand will become a pine, aspen mix.
Steps:

Proposed
Start Date: 10/01/2015



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
52	61168052-Cut	8.4	4130 - Aspen	High Density Pole	50		Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal

Prescription Final harvest leaving all white pine for visual.
Specs:

Other Comments: Stand is on east side of 131 plus North Country and Shore-to-Shore Trails run through this stand.

Next Steps: Stand will regenerate to an aspen/pine mix.

Proposed Start Date: 10/01/2015

54	61168054-Cut	10.0	42210 - Natural Red Pine	High Density Log	58	141-170	Harvest	Single Tree Selection	4221 - Natural Red Pine	Cmpt. Review Proposal
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Prescription Take all aspen and red maple and thin the red pine, retaining approximately 90 BA.
Specs:

Other Comments: Stand is on the east side of US 131 plus North Country and Shore-to-Shore Trails run through this stand.

Next Steps:

Proposed Start Date: 10/01/2015

76	61168076-Cut	24.5	42110 - Planted Red Pine	High Density Pole	37	141-170	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription First thinning.
Specs:

Other Comments: Leetsville ORV Trail runs through this stand.

Next Steps:

Proposed Start Date: 10/01/2015

85	61168085_sm all-Cut	46.6	4130 - Aspen	High Density Pole	50		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription Final harvest leaving retention around recreation trails.
Specs:

Other Comments: The Shore-to-Shore and Leetsville ORV Trails run through this stand.

Next Steps: Stand will regenerate to aspen with a mix of white pine, red maple and cherry.

Proposed Start Date: 10/01/2015



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
92 61168092-Cut	31.9	4130 - Aspen	High Density Pole	50		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal

Prescription Final harvest leaving retention along trails and/or areas of heavier white pine.
Specs:

Other Shore-to-Shore and Leetsville ORV Trails run through this stand.
Comments:

Next Stand will regenerate to aspen with white pine a small component.
Steps:

Proposed
Start Date: 10/01/2015

93 61168093-Cut	12.0	4133 - Aspen, Mixed Pine	High Density Pole	52		Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal
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Prescription Final harvest leaving retention along Rabourn Road.
Specs:

Other Along Rabourn Road.
Comments:

Next Stand will regenerate to aspen with smaller quantities of red maple and white pine.
Steps:

Proposed
Start Date: 10/01/2015

95 61168095-Cut	16.0	42110 - Planted Red Pine	High Density Pole	37	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription First thinning.
Specs:

Other Part of stand has areas of aspen clones. Northeast part of stand borders Rabourn Road.
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

99 61168099-Cut	4.7	4130 - Aspen	High Density Pole	52		Harvest	Clearcut	413 - Aspen	Cmpt. Review Proposal
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Prescription Final harvest. Too small for retention.
Specs:

Other
Comments:

Next Stand will regenerate to aspen and red maple.
Steps:

Proposed
Start Date: 10/01/2015



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
111	61168111-Cut	65.5	42110 - Planted Red Pine	High Density Pole	37	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
<p><u>Prescription</u> First thinning. <u>Specs:</u></p> <p><u>Other</u> Stand density varies. Some areas heavy with aspen, red maple and cherry. Leetsville ORV Trail runs through stand. <u>Comments:</u></p> <p><u>Next</u> <u>Steps:</u></p> <p><u>Proposed</u> <u>Start Date:</u> 10/01/2015</p>										
113	61168113-Cut	20.5	4130 - Aspen	High Density Log	50		Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> Final harvest leaving retention along ORV trail. This is a lower quality stand and density varies throughout. Maple and black cherry clumpy. <u>Specs:</u></p> <p><u>Other</u> Leetsville ORV Trail runs through stand. <u>Comments:</u></p> <p><u>Next</u> Stand will regenerate to aspen and mixed deciduous. <u>Steps:</u></p> <p><u>Proposed</u> <u>Start Date:</u> 10/01/2015</p>										
104	61168104-NonFor	15.1	4130 - Aspen	Low Density Pole	45		Non-Forest Management	Brush Cutting	3204 - Mast Producing Shrub	Cmpt. Review Proposal
<p><u>Prescription</u> This stand used to be classified as an upland brush stand. Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. <u>Specs:</u></p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>Steps:</u></p> <p><u>Proposed</u> <u>Start Date:</u> Unspecified</p>										
1	NF_61168001-NonFor	10.0	3302 - Low Density Conifer Trees				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<p><u>Prescription</u> Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. <u>Specs:</u></p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. <u>Steps:</u></p> <p><u>Proposed</u> <u>Start Date:</u> Unspecified</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
8	NF_61168008- NonFor	30.8	3303 - Mixed Low Density Trees				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<p><u>Prescription</u> Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment.</p> <p><u>Specs:</u></p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>Steps:</u></p> <p><u>Proposed</u> <u>Start Date:</u> Unspecified</p>										

22	NF_61168022- NonFor	7.0	3303 - Mixed Low Density Trees				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<p><u>Prescription</u> Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment.</p> <p><u>Specs:</u></p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>Steps:</u></p> <p><u>Proposed</u> <u>Start Date:</u> Unspecified</p>										

57	NF_61168057- NonFor	1.5	330 - Low-Density Trees				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<p><u>Prescription</u> Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment.</p> <p><u>Specs:</u></p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>Steps:</u></p> <p><u>Proposed</u> <u>Start Date:</u> Unspecified</p>										

60	NF_61168060- NonFor	15.4	330 - Low-Density Trees				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<p><u>Prescription</u> Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment.</p> <p><u>Specs:</u></p> <p><u>Other</u> <u>Comments:</u></p> <p><u>Next</u> <u>Steps:</u></p> <p><u>Proposed</u> <u>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
61 NF_61168061-NonFor	3.1	330 - Low-Density Trees				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal

Prescription Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment.

Other
Comments:

Next
Steps:

Proposed
Start Date: Unspecified

69 NF_61168069-NonFor	11.3	330 - Low-Density Trees				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment.

Other
Comments:

Next
Steps:

Proposed
Start Date: Unspecified

72 NF_61168072-NonFor	8.4	330 - Low-Density Trees				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment.

Other
Comments:

Next
Steps:

Proposed
Start Date: Unspecified

78 NF_61168078-NonFor	88.9	330 - Low-Density Trees				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment.

Other Could work around some of the trees to create a wildlife food plot of appropriate herbaceous species suited to site and soil conditions, with fertilization.

Next
Steps:

Proposed
Start Date: 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
79	NF_61168079- NonFor	3.8	3102 - Grass				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Degraded old well site. Treat site to remove exotics. Then reseed to site appropriate native grasses for wildlife food and cover. Consider also seeding in native forbs.</p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> Maintain as needed with mowing, seeding, fertilizing, burning, herbiciding, or removal of woody encroachment.</p> <p><u>Proposed Start Date:</u> Unspecified</p>										
82	NF_61168082- NonFor	2.3	3102 - Grass				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Degraded old well site. Treat site to remove exotics. Then reseed to site appropriate native grasses for wildlife food and cover. Consider also seeding in native forbs.</p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> Maintain as needed with mowing, seeding, fertilizing, burning, herbiciding, or removal of woody encroachment.</p> <p><u>Proposed Start Date:</u> Unspecified</p>										
84	NF_61168084- NonFor	6.8	3102 - Grass				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment.</p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> Unspecified</p>										
89	NF_61168089- NonFor	3.4	3102 - Grass				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment.</p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> Unspecified</p>										
90	NF_61168090- NonFor	3.1	3102 - Grass				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Degraded old well site. Treat site to remove exotics. Then reseed to site appropriate native grasses for wildlife food and cover. Consider also seeding in native forbs.</p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> Maintain as needed with mowing, seeding, fertilizing, burning, herbiciding, or removal of woody encroachment.</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
96 NF_61168096-NonFor	21.6	320 - Upland Shrub				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal

Prescription Hand fell or brush hog some trees to maintain opening and create some coarse woody debris. May be able to include work in an adjacent timber sale. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Leave stumps to rot to provide future food source for insectivores, etc. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment.

Other Comments: Could work around some of the trees to create a wildlife food plot of appropriate herbaceous species suited to site and soil conditions, with fertilization.

Next Steps:

Proposed Start Date: Unspecified

116 NF_61168116-NonFor	10.4	3102 - Grass				Non-Forest Management	Other - Specify	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal
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Prescription This opening was farmed at one point. Disk , plant to annual rye for several years and then convert to a pasture mix (i.e. clover/alfalfa) or appropriate native species.

Other Comments:

Next Steps: Maintain as needed with mowing, seeding, fertilizing, burning, herbiciding, or removal of woody encroachment.

Proposed Start Date: Unspecified

Total Treatment Acreage Proposed: 789.2



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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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#Type! #Type!

Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Type!

Limiting Factor

Total Treatment Acreage Proposed: 0.0

Report 5 – Site Conditions

Traverse City Mgt. Unit

Compartment 168

Donna Hagan : Examiner

Year of Entry 2016

Availability for Management

Availability for Management			Dominant Site Conditions		
Total Acres	Acres Available	Acres Not Available		No	5C
732	732		Aspen	668	64
8	8		Jack Pine	8	
7	7		Natural Mixed Pines	7	
265	265		Northern Hardwood	265	
417	417		Red Pine	417	
3	3		Upland Mixed Forest	3	
64	64		White Pine	64	
1,495	1,495		Total Forested Acres	1,432	64
	100%		Relative Percent		

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond	Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
006	Available		5C: Delay treatment for age/size class diversity or exceptional site quality	64				
Comments:								



Report 6 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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

Conservation Area	Type	Description
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.

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Traverse City Mgt. Unit

Report 8 – Forested Stands

Compartment: 168
Year of Entry: 2016

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42110 - Planted Red Pine	High Density Log	62.2	60	200+	Thinned for the second time in 2009
42110 - Planted Red Pine	High Density Pole	38.1	46	200+	
4110 - Sugar Maple Association	High Density Log	41.9	Uneven Age	51-80	Stand was harvested during summer 2011, sale #61-025-06.
42110 - Planted Red Pine	High Density Sapling	24.6	14		
4110 - Sugar Maple Association	High Density Sapling	19.7	14	1-50	Salvage sale from wind event, #61-153-98
4110 - Sugar Maple Association	High Density Sapling	23.5	14	1-50	Salvage sale from wind event, #61-153-98
4112 - Maple, Beech, Cherry Association	High Density Pole	14.3	Uneven Age	111-140	
4112 - Maple, Beech, Cherry Association	Low Density Log	11.3	65	1-50	Blow down area from 1998.
4130 - Aspen	High Density Pole	35.6	34		
42110 - Planted Red Pine	High Density Pole	28.0	43	200+	
4112 - Maple, Beech, Cherry Association	High Density Pole	11.1	Uneven Age	81-110	
4112 - Maple, Beech, Cherry Association	High Density Log	20.5	Uneven Age	111-140	
42110 - Planted Red Pine	High Density Pole	17.5	42	171-200	First thinning
4130 - Aspen	High Density Sapling	46.6	15		
4130 - Aspen	High Density Log	8.0	60		Several monitoring? wells located in this stand and adjacent stand to the west (18). No winter cut for this reason.
4112 - Maple, Beech, Cherry Association	Medium Density Pole	17.0	50	51-80	
42110 - Planted Red Pine	High Density Log	9.4	42	171-200	First thinning.
4130 - Aspen	Medium Density	21.5	14		Salvage cut in 1999

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Traverse City Mgt. Unit

Report 8 – Forested Stands

Compartment: 168
Year of Entry: 2016

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4130 - Aspen	High Density Pole	29.3	35		
4130 - Aspen	Medium Density	6.0	22		
42221 - Natural Jack Pine, Mixed Deciduous	High Density Pole	2.6	50		Along Beebe Road. Jack pine in poor shape.
42110 - Planted Red Pine	High Density Pole	2.5	42	171-200	First thinning.
4133 - Aspen, Mixed Pine	High Density Pole	13.9	47		
4132 - Aspen, Jack Pine	Low Density Sapling	6.3	20		
4133 - Aspen, Mixed Pine	High Density Pole	16.7	47	111-140	
4112 - Maple, Beech, Cherry Association	High Density Log	25.6	Uneven Age	51-80	Salvage sale in 1998 - 61-047-98.
4112 - Maple, Beech, Cherry Association	High Density Pole	30.8	Uneven Age	51-80	Thinned in 2006 - 61-025-06-01
42120 - Planted Jack Pine	High Density Pole	5.0	55		Wind break, 7 rows wide along Seeley Road.
4133 - Aspen, Mixed Pine	High Density Log	33.2	47	111-140	
42110 - Planted Red Pine	High Density Sapling	10.9	8		
4112 - Maple, Beech, Cherry Association	High Density Pole	25.9	Uneven Age	111-140	
42110 - Planted Red Pine	High Density Sapling	13.2	8		
4133 - Aspen, Mixed Pine	High Density Pole	8.3	47		Along 131.
4130 - Aspen	High Density Pole	8.4	50		
42210 - Natural Red Pine	High Density Log	10.0	58	141-170	Along 131.
42200 - Natural White Pine	High Density Log	6.3	50	81-110	

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Traverse City Mgt. Unit

Report 8 – Forested Stands

Compartment: 168
Year of Entry: 2016

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4130 - Aspen	High Density Pole	74.7	32		
4311 - Pine, Aspen Mix	High Density Pole	3.1	50	111-140	
4130 - Aspen	High Density Log	2.3	49		Within red pine stand. Don't treat until red pine is thinned.
42200 - Natural White Pine	High Density Log	6.0	50	141-170	
42110 - Planted Red Pine	High Density Pole	17.7	26	111-140	
42110 - Planted Red Pine	High Density Pole	3.6	26	51-80	150 logo
4133 - Aspen, Mixed Pine	High Density Pole	18.2	32		
42211 - Natural Red Pine, Mixed Deciduous	High Density Log	9.2	64	141-170	
42110 - Planted Red Pine	High Density Pole	8.5	26	111-140	
42200 - Natural White Pine	High Density Pole	5.7	32	81-110	Railroad adjacent to stand.
4133 - Aspen, Mixed Pine	High Density Pole	5.9	32		Density varies. Pine is all open grown.
4130 - Aspen	High Density Pole	32.7	32		
42110 - Planted Red Pine	High Density Pole	24.5	37	141-170	First thinning
4130 - Aspen	High Density Pole	31.8	32		
42111 - Planted Red Pine, Mixed Deciduous	High Density Log	9.9	54	111-140	Clones of aspen present.
42260 - Natural Pine, Mixed Deciduous	High Density Pole	6.9	37	51-80	Pipeline runs through stand.
4130 - Aspen	High Density Sapling	12.1	29		
4130 - Aspen	High Density Pole	110.4	50		Heavier to white pine in NW part of stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
86	42200 - Natural White Pine	High Density Log	46.1	60	111-140	
91	4133 - Aspen, Mixed Pine	High Density Pole	17.1	45		
92	4130 - Aspen	High Density Pole	31.9	50		
93	4133 - Aspen, Mixed Pine	High Density Pole	12.0	52		
95	42110 - Planted Red Pine	High Density Pole	16.0	37	111-140	
97	4130 - Aspen	High Density Sapling	13.1	5		
98	4130 - Aspen	High Density Sapling	32.1	6		Cut in 2008. 61-074-06-1
99	4130 - Aspen	High Density Pole	4.7	52		
100	4110 - Sugar Maple Association	Low Density Log	23.0	49	1-50	
103	42110 - Planted Red Pine	High Density Log	7.4	54	141-170	First thinning in 2008, sale #61-070-06
104	4130 - Aspen	Low Density Pole	15.1	45		Was called a U type last time. Aspen is starting to fill in.
105	4130 - Aspen	High Density Pole	41.8	45		
107	42110 - Planted Red Pine	High Density Sapling	38.2	18		
108	4130 - Aspen	Low Density Pole	17.4	45		Was called a U type last time. Aspen is starting to fill in.
109	4130 - Aspen	Low Density Pole	4.8	40		Was a U type last time. Aspen starting to fill in.
111	42110 - Planted Red Pine	High Density Pole	65.5	37	111-140	Stand density varies.
113	4130 - Aspen	High Density Log	20.5	50		Lower quality stand. Density varies throughout stand. Maple and black cherry clumpy.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	3302 - Low Density Conifer Trees	10.0	No	Unspecified	
8	3303 - Mixed Low Density Trees	30.8	No	Unspecified	
10	3102 - Grass	1.1	No	Unspecified	Well site
12	3102 - Grass	2.1	No	Unspecified	Well site
14	3303 - Mixed Low Density Trees	2.5	No	Unspecified	
15	3102 - Grass	1.6	No	Unspecified	
19	122 - Road/Parking Lot	6.9	No	Unspecified	Road
22	3303 - Mixed Low Density Trees	7.0	No	Unspecified	
26	11 - Low Intensity Urban	17.4	No	Unspecified	Leased oil and gas facility.
30	3102 - Grass	4.6	No	Unspecified	
33	3102 - Grass	1.9	No	Unspecified	Pipeline.
36	3102 - Grass	7.2	No	Unspecified	Pipeline
39	11 - Low Intensity Urban	1.6	No	Unspecified	Beebe Road
41	3301 - Low Density Deciduous Trees	7.7	No	Unspecified	
42	3102 - Grass	3.6	No	Unspecified	Powerline
48	3102 - Grass	4.9	No	Unspecified	Abandon well site and power line.
49	3102 - Grass	1.5	No	Unspecified	Pipeline
51	11 - Low Intensity Urban	2.9	No	Unspecified	131



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
53	3301 - Low Density Deciduous Trees	2.1	No	Low	Area has ORV damage down to Bird Lake. It was restored in 2004 but it didn't last. A \$12,000 restoration grant has been given for this area again, but must be used by Oct. 1, 2014.
55	50 - Water	3.5	No	Unspecified	
57	330 - Low-Density Trees	1.5	No	Unspecified	
60	330 - Low-Density Trees	15.4	No	Unspecified	
61	330 - Low-Density Trees	3.1	No	Unspecified	
67	3102 - Grass	6.8	No	Unspecified	
69	330 - Low-Density Trees	11.3	No	Unspecified	
72	330 - Low-Density Trees	8.4	No	Unspecified	
74	330 - Low-Density Trees	4.4	No	Unspecified	
78	330 - Low-Density Trees	88.9	No	Unspecified	
79	3102 - Grass	3.8	No	Unspecified	Old well site
82	3102 - Grass	2.3	No	Unspecified	Old well site.
84	3102 - Grass	6.8	No	Unspecified	
87	3102 - Grass	1.1	No	Unspecified	
88	3303 - Mixed Low Density Trees	7.2	No	Unspecified	
89	3102 - Grass	3.4	No	Unspecified	
90	3102 - Grass	3.1	No	Unspecified	Old well site.
94	330 - Low-Density Trees	2.8	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
96	320 - Upland Shrub	21.6	No	Unspecified	
101	3102 - Grass	1.2	No	Unspecified	
102	3102 - Grass	5.7	No	Unspecified	Powerline/pipeline
106	320 - Upland Shrub	1.4	No	Unspecified	
110	3102 - Grass	10.8	No	Unspecified	Pipeline/Electric line
112	330 - Low-Density Trees	3.3	No	Unspecified	
114	3303 - Mixed Low Density Trees	5.1	No	Unspecified	
115	330 - Low-Density Trees	3.5	No	Unspecified	
116	3102 - Grass	10.4	No	Unspecified	
117	330 - Low-Density Trees	3.0	No	Unspecified	