



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 132

Entry Year 2016

Acreage: 1,927

County Mackinac

Management Area: Sage Truck Trail

Revision Date: 06/30/2014

Stand Examiner: Matt Edison

Legal Description:

T44N-R7W, Sections 5 & 6, & T44N-R8W, Section 1.

Identified Planning Goals:

This area is located 5 miles north of Rexton, along the Luce County/Chippewa County line. The area is being managed primarily for red pine and aspen. Management options include enhancing age class diversity, and promoting health and growth. The pine area, within section 1, was originally planted in the early and mid 1930's by the CCC. Several of these stands have already been actively managed for red pine or aspen, starting in the late 1980's. The age class diversity within the pine is to be enhanced this decade also. The aspen age class diversity is very good within this compartment. There are stands originating from early 1960 and every decade since. This entry, pine management will focus on monitoring existing regeneration for pest and release treatments. The mature pine will be thinned this entry to reduce basal area and to maintain good age class diversity. Two mature aspen stands will also be harvested to initiate regeneration. One very large aspen stand will be harvested to improve age class diversity.

Soil and topography:

The area varies from low wet swamps, to rolling uplands. Upland pine and aspen are characterized by level and undulating areas, and ridge-swale complexes on outwash plains, lake plains and/or ground moraines. These areas consist of Wallace sand, Paquin sand, and Wallace-Spot complex, with smaller areas of Superior fine sandy loam (hardwood stand 40), and Paquin-Finch sands. The large swamp complex is made up of Markey and Carbondale muck, with transitional aspen areas of Markey-Spot-Finch complex.

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

State lands abut this compartment on the west, south and east. Mixed state and private ownership adjoin to the north in both Luce County and Chippewa County.

Unique Natural Features:

Headwaters of the West Branch Hendrie River lie within the compartment. Various species of hawks have been known to inhabit the area. There is potential for threatened and endangered plant and animal species within this compartment.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

Fisheries Values: Moderate

Fisheries Concerns: Coldwater tributaries of the Hendrie River (West Branch Hendrie River) begin near the center of this compartment. A fair amount of groundwater input in this section creates suitable conditions for native brook trout. West Branch Hendrie River (and tributaries) is a designated trout stream from the Soo Line upstream. Prescribed treatments in stands 28 and 38 call for aspen clear-cuts. These clear-cuts need to maintain a minimum of a 300 ft. no clear-cut setback from the stream. A few beaver ponds are already located on this stretch of stream. However, any increase in beaver activity could have additional negative impacts to the stream such as, increased ponding resulting in higher water temperatures.

Wildlife Habitat Considerations:

This compartment lies within the Sage Truck Trail Management Area. Presettlement vegetation was composed of wetlands in low areas and northern hardwoods, primarily in the western half of the compartment. Low areas are dominated by cedar stands today, while uplands contain a mix of aspen, upland mixed species including hardwoods, and red pine. Red pine plantations have been established along the Dinkey Line Road.

Wildlife habitat objectives in this compartment include maintaining the small amount of hardwood and the large amount of existing lowland conifer and cedar stands which will benefit black bear, snowshoe hare, and other species. Aspen will be managed to create structural and age class diversity to benefit ruffed grouse and snowshoe hare. Diversity will be encouraged in red pine stands by retaining other species when possible.

Gray wolves have been known to occur in this compartment. Wildlife species with the potential to benefit from the prescriptions include garter snake, American toad, black-capped chickadee, ruffed grouse, white-tailed deer, American woodcock, bobcat, snowshoe hare, red-backed vole, and black bear.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of peat and muck, lacustrine (lake) sand and gravel and coarse-textured till. There is insufficient data to determine the glacial drift thickness. The Silurian Burnt Bluff Group, Cabot Head Shale and Manitoulin Dolomite subcrop below the glacial drift. The Burnt Bluff is quarried for stone/limestone three miles to the southeast. Gravel pits are not located in the area, but there may be some potential in Section 1. There is no current economic oil and gas production in the UP.

Vehicle Access:

Vehicle access is moderate. Section 1 has the best access using a two wheeled drive vehicle. Dinkey Line is a dirt County road ending at the Luce County line. While the condition of this road is relatively good within this compartment, it is downright poor a mile or so to the south. Most access to this point would come across Giddings Truck Trail, a good DNR road; or Norton Camp Road, a good DNR road. Access to sections 5 and 6 are primarily restricted to dry summer (just to get to the sections), and winter only within the sections.

Survey Needs:

None

Recreational Facilities and Opportunities:

The area is used primarily for hunting deer, bear, and small game. Trapping opportunities exist in the area. Snowmobiles and ORV's use the roads for their use.

Fire Protection:

The eastern two-thirds of the compartment have little opportunity for fire due to the low wet ground. However, section 1 has potential for wildfire to occur. Response time would be 45 minutes to one hour from Naubinway due to the road conditions.

Additional Compartment Information:

The following reports from the Inventory are attached:

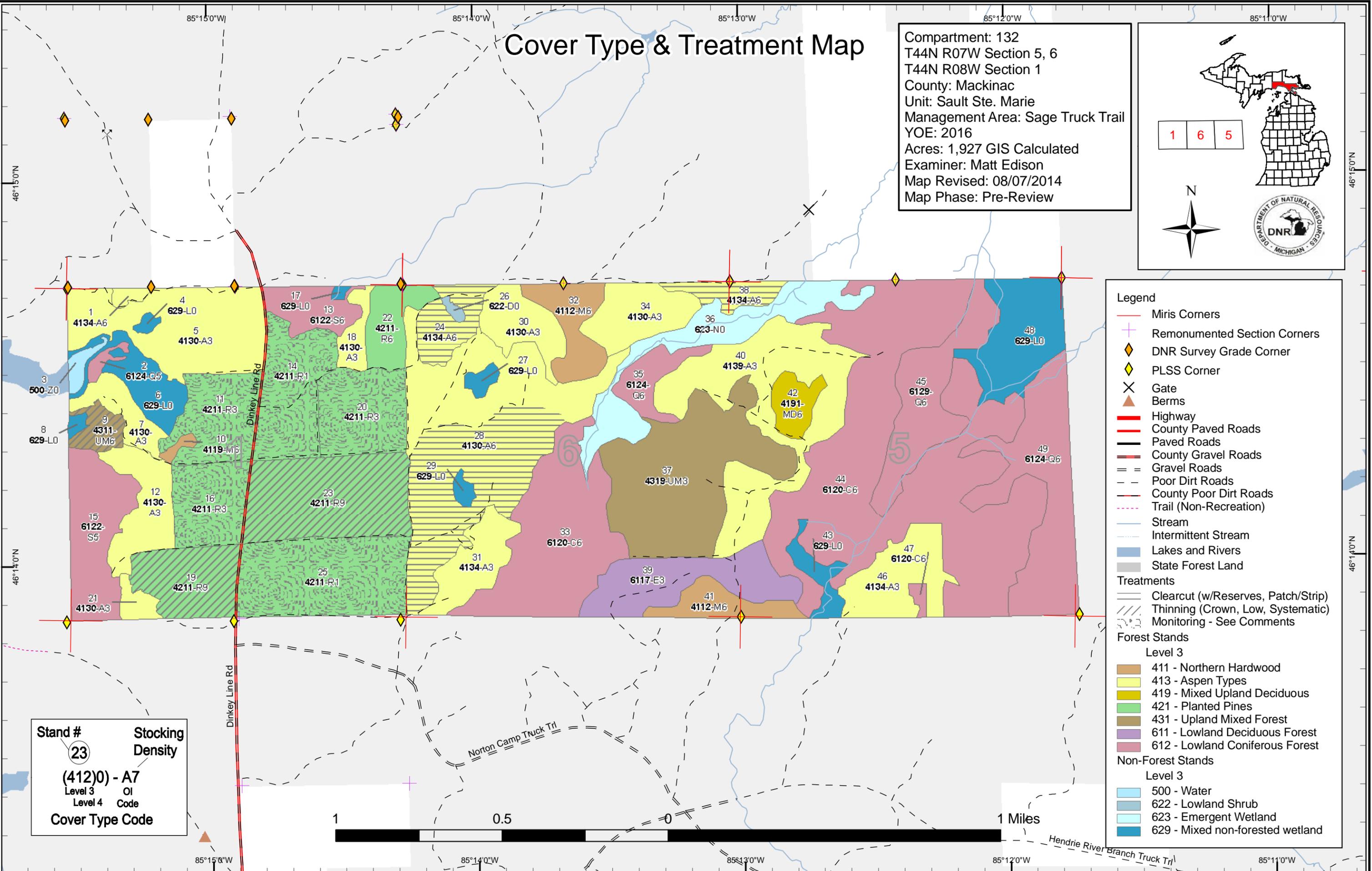
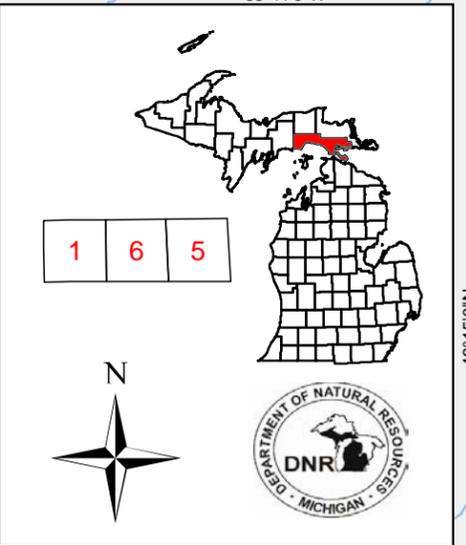
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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: 132
 T44N R07W Section 5, 6
 T44N R08W Section 1
 County: Mackinac
 Unit: Sault Ste. Marie
 Management Area: Sage Truck Trail
 YOE: 2016
 Acres: 1,927 GIS Calculated
 Examiner: Matt Edison
 Map Revised: 08/07/2014
 Map Phase: Pre-Review



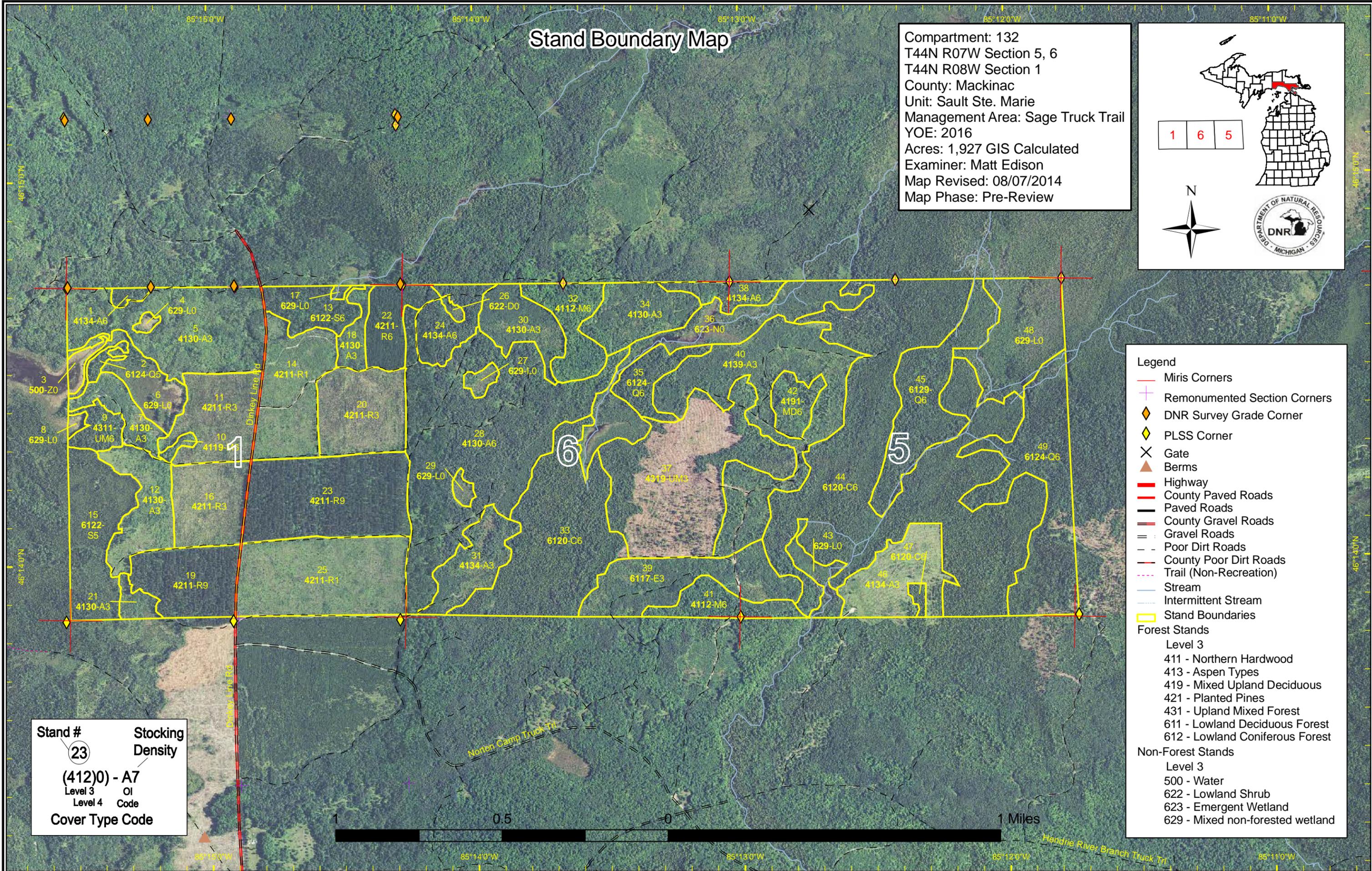
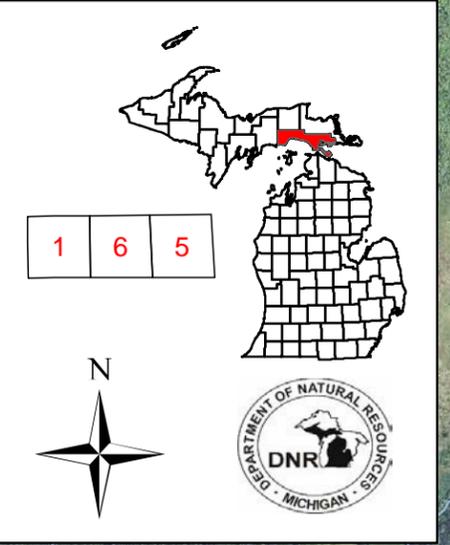
- Legend**
- Miris Corners
 - + Remonumented Section Corners
 - ◆ DNR Survey Grade Corner
 - ◆ PLSS Corner
 - ✕ Gate
 - ▲ Berms
 - Highway
 - County Paved Roads
 - Paved Roads
 - County Gravel Roads
 - == Gravel Roads
 - - Poor Dirt Roads
 - - County Poor Dirt Roads
 - - Trail (Non-Recreation)
 - Stream
 - Intermittent Stream
 - Lakes and Rivers
 - State Forest Land
- Treatments**
- Clearcut (w/Reserves, Patch/Strip)
 - /// Thinning (Crown, Low, Systematic)
 - Monitoring - See Comments
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 431 - Upland Mixed Forest
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
- Level 3
- 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland
 - 629 - Mixed non-forested wetland

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



Stand Boundary Map

Compartment: 132
 T44N R07W Section 5, 6
 T44N R08W Section 1
 County: Mackinac
 Unit: Sault Ste. Marie
 Management Area: Sage Truck Trail
 YOE: 2016
 Acres: 1,927 GIS Calculated
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 Map Revised: 08/07/2014
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Legend

- Miris Corners
- + Remonumented Section Corners
- ◆ DNR Survey Grade Corner
- ◆ PLSS Corner
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- ▲ Berms
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- County Paved Roads
- Paved Roads
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- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- - - Trail (Non-Recreation)
- Stream
- - - Intermittent Stream
- Stand Boundaries

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
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Non-Forest Stands

Level 3

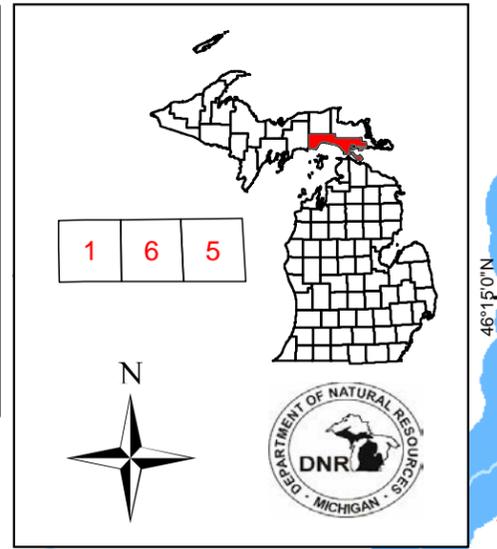
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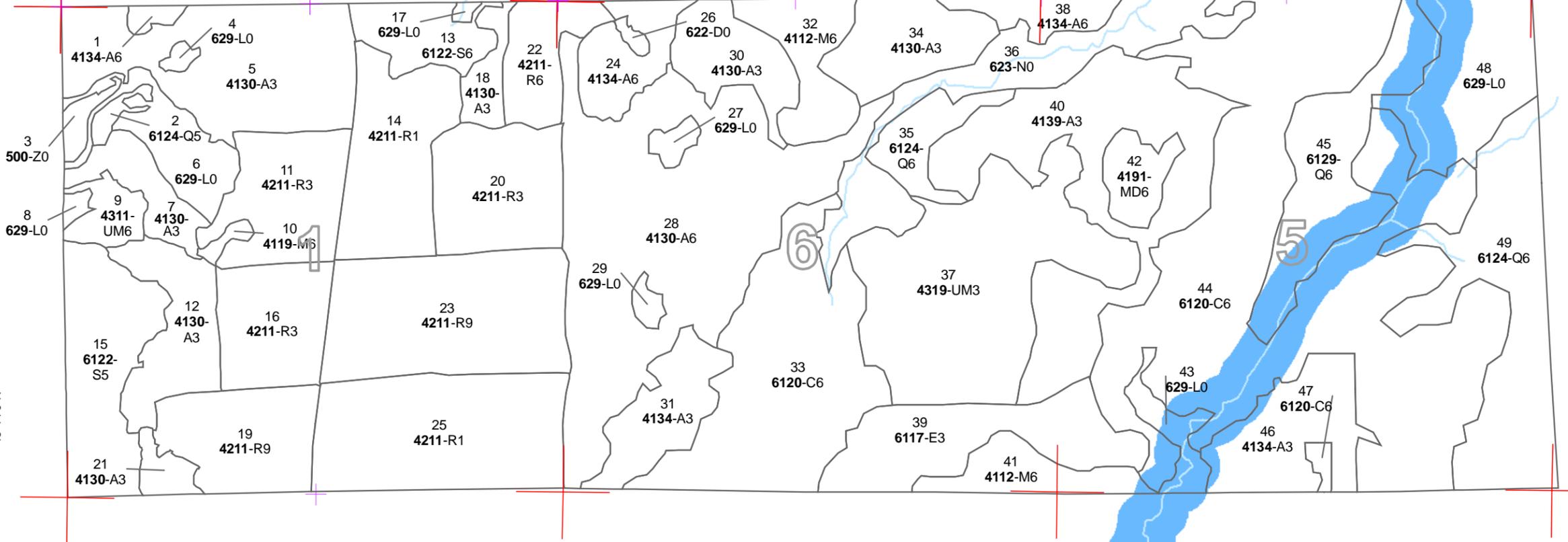
Special Conservation Areas & Site Conditions Map

Compartment: 132
 T44N R07W Section 5, 6
 T44N R08W Section 1
 County: Mackinac
 Unit: Sault Ste. Marie
 Management Area: Sage Truck Trail
 YOE: 2016
 Acres: 1,927 GIS Calculated
 Examiner: Matt Edison
 Map Revised: 08/05/2014
 Map Phase: Pre-Review



Legend

- Miris Corners
- + Remonumented Section Corners
- Stand Boundaries
- Dedicated Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



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



85°15'0"W 85°14'0"W 85°13'0"W 85°12'0"W 85°11'0"W

46°15'0"N

46°14'0"N

46°15'0"N

46°14'0"N

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	72	208	91	162	0	35	0	0	0	0	0	0	0	0	567
Cedar	0	0	0	0	0	0	0	0	0	0	365	0	0	0	365
Lowland Conifers	0	0	0	0	21	0	80	54	0	0	0	0	0	0	154
Lowland Deciduous	0	51	0	0	0	0	0	0	0	0	0	0	0	0	51
Lowland Shrub	96	0	0	0	0	0	0	0	0	0	0	0	0	0	96
Lowland Spruce/Fir	0	0	0	0	0	20	49	0	0	0	0	0	0	0	69
Marsh	54	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Mixed Upland Deciduous	0	0	0	0	0	0	14	0	0	0	0	0	0	0	14
Northern Hardwood	0	0	0	0	0	2	26	20	0	0	0	0	0	0	48
Red Pine	125	118	22	0	0	0	0	116	0	0	0	0	0	0	380
Treed Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	111	0	0	0	0	0	0	0	11	0	0	0	0	0	122
Water	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	464	377	113	162	21	58	168	189	11	0	365	0	0	0	1927



Report 2 – Proposed Treatment Summaries

Sault Ste. Marie Mgt. Unit
Year of Entry 2016

Compartment 132
Total Compartment Acres: 1,927

Acres by Treatment Type

Commercial Harvest - 252	Tree Planting - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 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>
Aspen Types	126	0	0	0	0	0	126
Planted Pines	0	0	0	0	116	0	116
Upland Mixed Forest	0	0	0	0	11	0	11
Total	126	0	0	0	126	0	252



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
9	45132009-Cut	10.8	4311 - Pine, Aspen Mix	High Density Pole	83	141-170	Harvest	Crown Thinning	4220 - Natural White Pine	Cmpt. Review Proposal

Prescription Thin natural white pine stand to lower average basal area to average of 120. Target mature aspen, maple, and spruce/fir to lower basal area, but
Specs: retain a representation of all species. Release the best quality white pine.

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

19	45132019-Cut	39.0	42110 - Planted Red Pine	High Density Log	77	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Thin to around 120 Basal Area. Leave species diversity within the stand were present.

Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

23	45132023-Cut	76.7	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	77	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Thin to around 120 Basal Area. Leave species diversity within the stand were present.

Specs:

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

24	45132024-Cut	21.6	4134 - Aspen, Spruce/Fir	High Density Pole	55	141-170	Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal
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Prescription Stand of large mature aspen mixed with balsam fir and some paper birch. Clearcut all deciduous down to 2" and all coniferous down to 4" in
Specs: diameter. Follow the retention guidelines and leave scattered birch as seed trees. Leave all red and white pine if present. Leave representation
of all species in stand scattered as part of retention.

Other
Comments:

Next
Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, paper and yellow birch,
white pine, spruce, fir, and red pine.

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
28	45132028-Cut	91.2	4130 - Aspen	High Density Pole	35	81-110	Harvest	Clearcut with Reserves	4139 - Aspen, Mixed Deciduous	Cmpt. Review Proposal

Prescription Clearcut aspen stand to regenerate. Exclude pockets of hardwood and openings with cherry. Harvest the south half of this stand this entry and
Specs: leave the north for age class considerations. Leave some representative trees of all species scattered as part of retention. Leave patch retention like a peninsula near the wetland in center of stand.

Other
Comments:

Next Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, paper and yellow birch,
Steps: white pine, spruce, fir, jack pine, and red pine.

Proposed
Start Date: 10/01/2015

38	45132038-Cut	13.2	4134 - Aspen, Spruce/Fir	High Density Pole	50	111-140	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
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Prescription Clearcut with reserves following the retention guideline. Retain representatives of all species present as part of retention. Winter access due to
Specs: very wet access roads and adjacent.

Other Very wet access road, winter cut.
Comments:

Next Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, paper and yellow birch, white
Steps: pine, spruce, fir, jack pine, red pine, and tamarack.

Proposed
Start Date: 10/01/2015

11	45132011- Monitor	40.1	42110 - Planted Red Pine	High Density Sapling	11		Monitoring	See Comments	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Monitor for release and treat as necessary. Monitor for RHPS and if monitoring shows that treatment is recommended, then spray when/if
Specs: necessary with appropriate insecticide recommended by Forest Health Specialist/TMS.

Other
Comments:

Next
Steps:

Proposed
Start Date: 10/01/2015

14	45132014- Monitor	49.4	42110 - Planted Red Pine	Low Density Sapling	2		Monitoring	See Comments	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Monitor for release and treat as necessary. Monitor for RHPS and if monitoring shows that treatment is recommended, then spray when/if
Specs: necessary with appropriate insecticide recommended by Forest Health Specialist/TMS.

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
16 45132016-Monitor	35.2	42110 - Planted Red Pine	High Density Sapling	11		Monitoring	See Comments	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription Monitor for release and treat as necessary. Monitor for RHPS and if monitoring shows that treatment is recommended, then spray when/if necessary with appropriate insecticide recommended by Forest Health Specialist/TMS.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2015

20 45132020-Monitor	42.5	42110 - Planted Red Pine	High Density Sapling	11		Monitoring	See Comments	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Monitor for release and treat as necessary. Monitor for RHPS and if monitoring shows that treatment is recommended, then spray when/if necessary with appropriate insecticide recommended by Forest Health Specialist/TMS.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2015

25 45132025-Monitor	75.1	42110 - Planted Red Pine	Low Density Sapling	2		Monitoring	See Comments	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription Monitor for release and treat as necessary. Monitor for RHPS and if monitoring shows that treatment is recommended, then spray when/if necessary with appropriate insecticide recommended by Forest Health Specialist/TMS.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2015

Total Treatment Acreage Proposed: 494.9



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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

Availability for Management

Total Acres	Acres Available	Acres Not Available	Dominant Site Conditions	No
567	567		Aspen	567
365	365		Cedar	365
154	154		Lowland Conifers	154
51	51		Lowland Deciduous	51
69	69		Lowland Spruce/Fir	69
14	14		Mixed Upland Deciduous	14
48	48		Northern Hardwood	48
380	380		Red Pine	380
122	122		Upland Mixed Forest	122
1,770	1,770		Total Forested Acres	1,770
	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.*



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
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.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4134 - Aspen, Spruce/Fir	High Density Pole	3.1	25	81-110	Small stand of aspen regeneration with heavier mix of residual coifer than surrounding stand. Small diameter. Look at in future when surrounding is harvested.
2	6124 - Lowland Spruce-Fir	Medium Density Pole	3.5	49	81-110	Stand is mix of lowland conifers on edge of wetland. Low ground and poor quality. There are a few scattered overstory White Pine.
5	4130 - Aspen	High Density Sapling	77.5	25		Stand was cut in 1989 and natural regeneration is variable. Mix of aspen, cherry, some red maple and red pine where previous.
7	4130 - Aspen	High Density Sapling	17.0	13		Aspen regeneration with mix of cherry. Cut in 2001.
9	4311 - Pine, Aspen Mix	High Density Pole	10.8	83	141-170	Stand of white pinewith mix of deciduous.
10	4119 - Mixed Northern Hardwoods	High Density Pole	2.5	52	81-110	Very small stand of mixed maple and a few red pine. Check in gen years, only mature stand in area.
11	42110 - Planted Red Pine	High Density Sapling	40.1	11		Red pine planted in 2003.
12	4130 - Aspen	High Density Sapling	32.2	4		Stand was red pine. Clear cut and allowed to naturally convert to aspen. Good aspen regen mixed with cherry. A few scattered overstory red pine remain.
13	6122 - Black Spruce	High Density Pole	20.5	53	81-110	Low ground stand of variable density. Drainage through stand. Areas of tag alder. Some merchantable timber, but small volume. Check in ten years for growth and added volume.
14	42110 - Planted Red Pine	Low Density Sapling	49.4	2		Red pine planted in 2012.
15	6122 - Black Spruce	Medium Density Pole	48.9	60	51-80	Very wet lowground with small spruce, tamarack and aspen. Leartherleaf in spots.
16	42110 - Planted Red Pine	High Density Sapling	35.2	11		Red pine planted in 2003.
18	4130 - Aspen	High Density Sapling	10.0	24		Aspen regeneration cut in 1990.
19	42110 - Planted Red Pine	High Density Log	39.0	77	171-200	Mature red pine that could be thinned again to reduce high basal area and provide age class diversity for adjacent R3.
20	42110 - Planted Red Pine	High Density Sapling	42.5	11		Red pine planted in 2003.
21	4130 - Aspen	High Density Sapling	6.8	14		Aspen regeneration with mix of cherry and red maple. Stand gets lower to south.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	42110 - Planted Red Pine	High Density Pole	21.9	23	141-170	Planted in 1991. Just barely merchantable, check for 3rd rowthin next entry.
23	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	76.7	77	171-200	Red pine can be thinned reduce basal area and provide age class diversity. A couple areas of cherry and aspen within.
24	4134 - Aspen, Spruce/Fir	High Density Pole	21.6	55	141-170	Stand of nice looking mature aspen with mix of balsam, spruce, and paper birch throughout.
25	42110 - Planted Red Pine	Low Density Sapling	75.1	2		Red pine planted in 2012.
28	4130 - Aspen	High Density Pole	162.0	35	81-110	Stand is variable mix of aspen with areas of openings with cherry. Large stand of variable quality. Consider treating southern half this entry for age class considerations.
30	4130 - Aspen	High Density Sapling	25.3	15		Aspen regeneration cut in 1999.
31	4134 - Aspen, Spruce/Fir	High Density Sapling	27.8	13		Cut in 2001. Mix of aspen, cherry and spruce/balsam
32	4112 - Maple, Beech, Cherry Association	High Density Pole	26.1	63	81-110	Stand of pole diameter mixed maple, mostly red. Not overly high basal area at this time, check in 10 years.
33	6120 - Lowland Cedar	High Density Pole	96.8	100	141-170	Stand of cedar with pockets of tamarack. Some balsam and spruce in areas.
34	4130 - Aspen	High Density Sapling	31.1	14		Stand was cut in x. Variable high to low ground. Some pockets of tag alder and willow. Overall good Aspen regeneration with mix of spruce and balsam and some cherry.
35	6124 - Lowland Spruce-Fir	High Density Pole	17.4	49	81-110	Stand of lowland mix of cedar, spruce, and tamarack. Some birch and white pine on stand edge.
37	4319 - Mixed Upland Forest	High Density Sapling	110.7	2		Stand is variable upland and lowland. Aspen regeneration with mix of cherry and spruce and balsam throughout.
38	4134 - Aspen, Spruce/Fir	High Density Pole	13.2	50	111-140	Mature Aspen with spruce and balsam .
39	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	50.6	19		Stand was cut in 1995. Beech was left as mast source, hammered by beech bark disease.
40	4139 - Aspen, Mixed Deciduous	High Density Sapling	100.2	11		Aspen regeneration cut in 2003.
41	4112 - Maple, Beech, Cherry Association	High Density Pole	19.8	70	81-110	Thin in 2008. Mostly low quality red maple, but some decent sugar maple.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	13.7	60	111-140	Stand was reserved as buffer for raptor nest in 2008. Red maple with mix of birch, aspen, balsam, and spruce. Some large overstory white pine. Leave stand for diversity. Revisit in 10 years.
44	6120 - Lowland Cedar	High Density Pole	265.6	105	141-170	Large cedar stand that varies from point to point. Where ground is slightly higher there is mix of red maple, birch and some white pine. Cedar is short, 2 sticks and smaller diameter.
45	6129 - Mixed Coniferous Lowland Forest	High Density Pole	53.7	77	81-110	Lowland cedar and tamarack. Some places very small diameter and wet. Some white pine in areas with a little higher ground. Not merchantable or accessible, surrounded by large cedar stand.
46	4134 - Aspen, Spruce/Fir	High Density Sapling	39.6	6		Stand was cut in 2008. Aspen regeneration with mix of spruce and balsam. A few residual overstory white pine.
47	6120 - Lowland Cedar	High Density Pole	2.4	100	141-170	Small portion of large cedar stand in adjacent compartment.
49	6124 - Lowland Spruce- Fir	High Density Pole	79.8	66	51-80	Stand is variable pockets of very wet spruce in leatherleaf to some sand ridges with a little birch and white pine. The merchantable parts of the stand were included in sale in adjacent compartments.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	50 - Water	4.6	Unspecified	Unspecified	
4	629 - Mixed non-forested wetland	2.0	Unspecified	Unspecified	
6	629 - Mixed non-forested wetland	24.9	Unspecified	Unspecified	
8	629 - Mixed non-forested wetland	2.0	Unspecified	Unspecified	
17	629 - Mixed non-forested wetland	1.1	Unspecified	Unspecified	
26	6224 - Treed Bog	1.7	Unspecified	Unspecified	
27	629 - Mixed non-forested wetland	4.1	Unspecified	Unspecified	
29	629 - Mixed non-forested wetland	3.1	Unspecified	Unspecified	
36	623 - Emergent Wetland	54.0	Unspecified	Unspecified	
43	629 - Mixed non-forested wetland	10.8	Unspecified	Unspecified	
48	629 - Mixed non-forested wetland	48.5	Unspecified	Unspecified	