



Compartment Review Presentation

Grayling Forest Management Unit

Compartment 23

Entry Year 2016

Acreage: 1,655

County Oscoda

Management Area: AuSable Outwash

Revision Date: 08/04/2014

Stand Examiner: Patrick Mohney

Legal Description:

T28N R1E Sections 1, 12, & 13 and T28N R2E Sections 6 & 7
Greenwood and North Elmer Townships, Oscoda County

Identified Planning Goals:

To maintain species and structural diversity while managing for health, productivity, and sustainability throughout the compartment. To provide multiple use opportunities and incorporate any visual management needed to optimize these uses.

Soil and topography:

This compartment is comprised mainly of Grayling sands, slopes ranging from 0-10%. There are a few potholes within the compartment that slopes increase to 10 – 30%, but these stands do not sustain merchantable timber, having little effect on management concerns with respect to topography.

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

This compartment consists of a mix of private and state ownership. There are several parcels of state land where contiguous ownership is limited to 80 acres within the section. These parcels are widely used by the surrounding landowners for various activities. The compartment has several forest trail roads that are being used heavily by ORV's. Several of the roads are used as illegal access for the nearby landowners to get to the designated ORV trail with out having to trailer their ORV's. The designated trail is located in the north east corner of the compartment.

Unique Natural Features:

Rough fescue occurs just south and east of section 13 and just east of section 6. Hill's thistle and rough fescue occurs to the north. Pale agoseris and rough fescue are known to exist to the southwest of this compartment. Alleghany plum was found to occur to the southeast. Ram's head orchid is reported to the northeast of compartment 023. Kirtland's warbler and prairie warbler inhabit areas just east of sections 6 and 7, and Loon exists to the west of these sections. There is potential for dry prairie plants in grassy openings of this compartment. These species include Hill's thistle, rough fescue, Alleghany plum, and pale agoseris. There is also potential for Kirtland's warbler and prairie warbler within the compartment boundaries. Potential also occurs for such insects as the dusted skipper, grizzled skipper, and red legged spittlebug in grassy openings and young jack pine of compartment 023. There is potential for Loon in the kettle lakes that exist within the compartment boundaries.

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:

There are no special management designations or considerations for this compartment.

Watershed and Fisheries Considerations:

No waterways or significant lakes are located on state land. An un-named kettle lake exists in section 1, labeled as stand 7. Moon Lake, Oak Lake, and Perry Lake are located within the compartment boundaries on private ownership.

Wildlife Habitat Considerations:

There are two maintained wildlife openings in compartment 23, both located in the SE ¼ of Section 13. They are labeled stands 47 and 49 on the compartment map. These wildlife openings were planted with an annual crop that is doing well. Note: there is illegal ORV use around the perimeter of stand 47 (i.e. the opening is being used as an ORV track).

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 400 feet. Beneath the glacial drift is the Coldwater Shale. There is not an economic use for the Coldwater Shale. A gravel pit is located four miles to the northeast, but there should be some potential. This compartment is leased for

oil and gas development and most of it has been developed for the Antrim Shale.

Vehicle Access:

County roads of Williams road and Townline road provide paved vehicle access into the compartment. There are several county maintained gravel roads as well, including Eastwood road, Pennsylvania Crossing rd, and Oak lake road. The compartment has several miles of forest trail roads providing adequate access to the compartment.

Survey Needs:

The potential for surveys exist in this compartment.

Recreational Facilities and Opportunities:

Fire Protection:

There are several locations available as a water source, most located on private lands. All water sources are accessible to fire protection equipment. Forest trail roads, in combination with closed or abandoned roads within the compartment, provide access to within a ¼ mile of nearly all of the state owned land. The private land is mostly subdivided, with paved access to a majority of the land.

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:

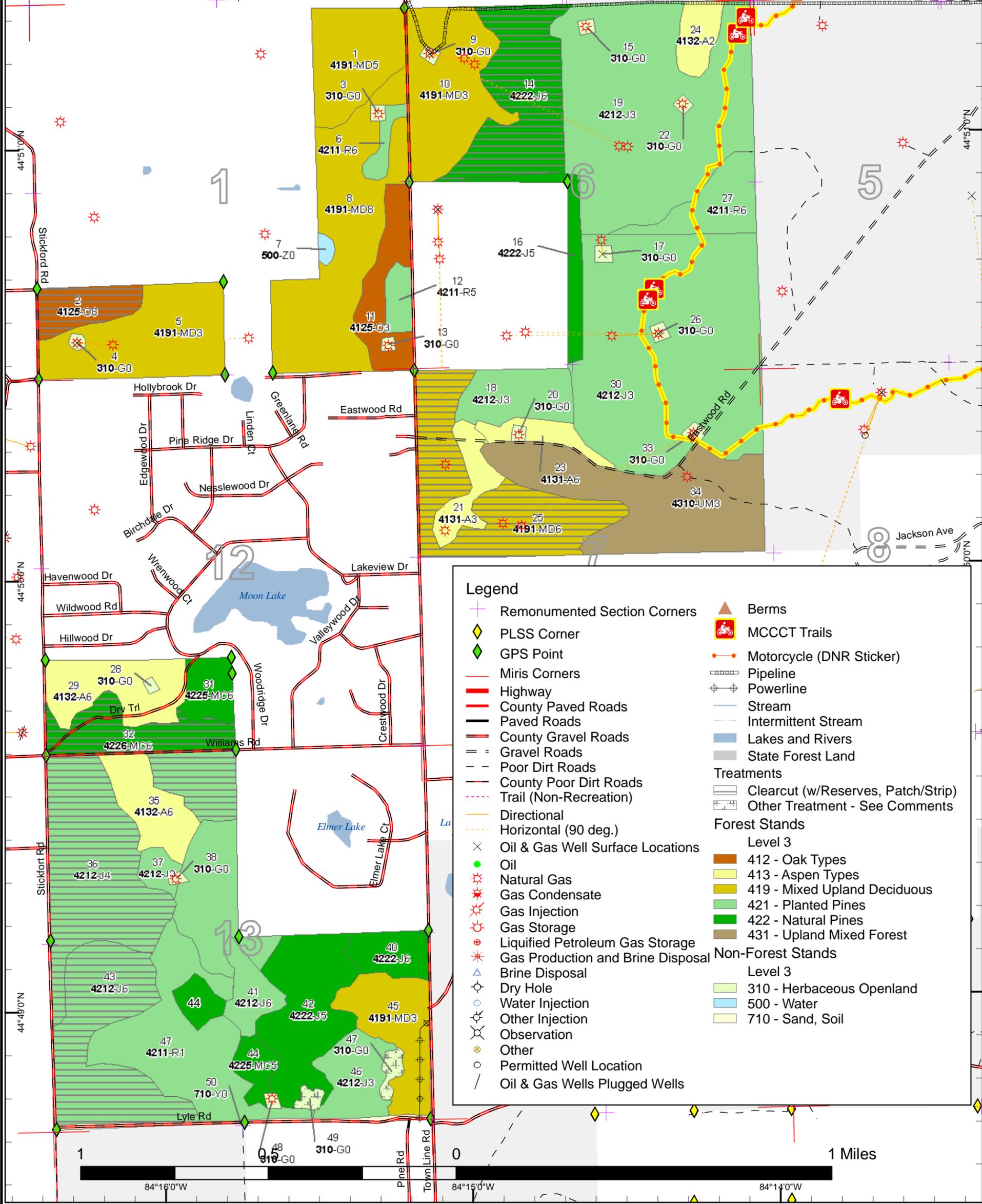
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map

Compartment: 023
 T28N R01E Sec. 01,12,13
 T28N R02E Sec. 06,07
 County: Oscoda
 Unit: Grayling
 Management Area: AuSable Outwash
 YOE: 2016
 Acres: 1,548 GIS Calculated
 Examiner: Patrick Mohney
 Map Revised: 09/04/2014
 Map Phase: Pre-Review

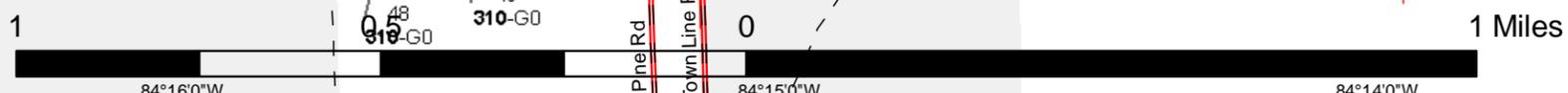
Stand #
 23
Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

1	6
12	7
13	



Legend

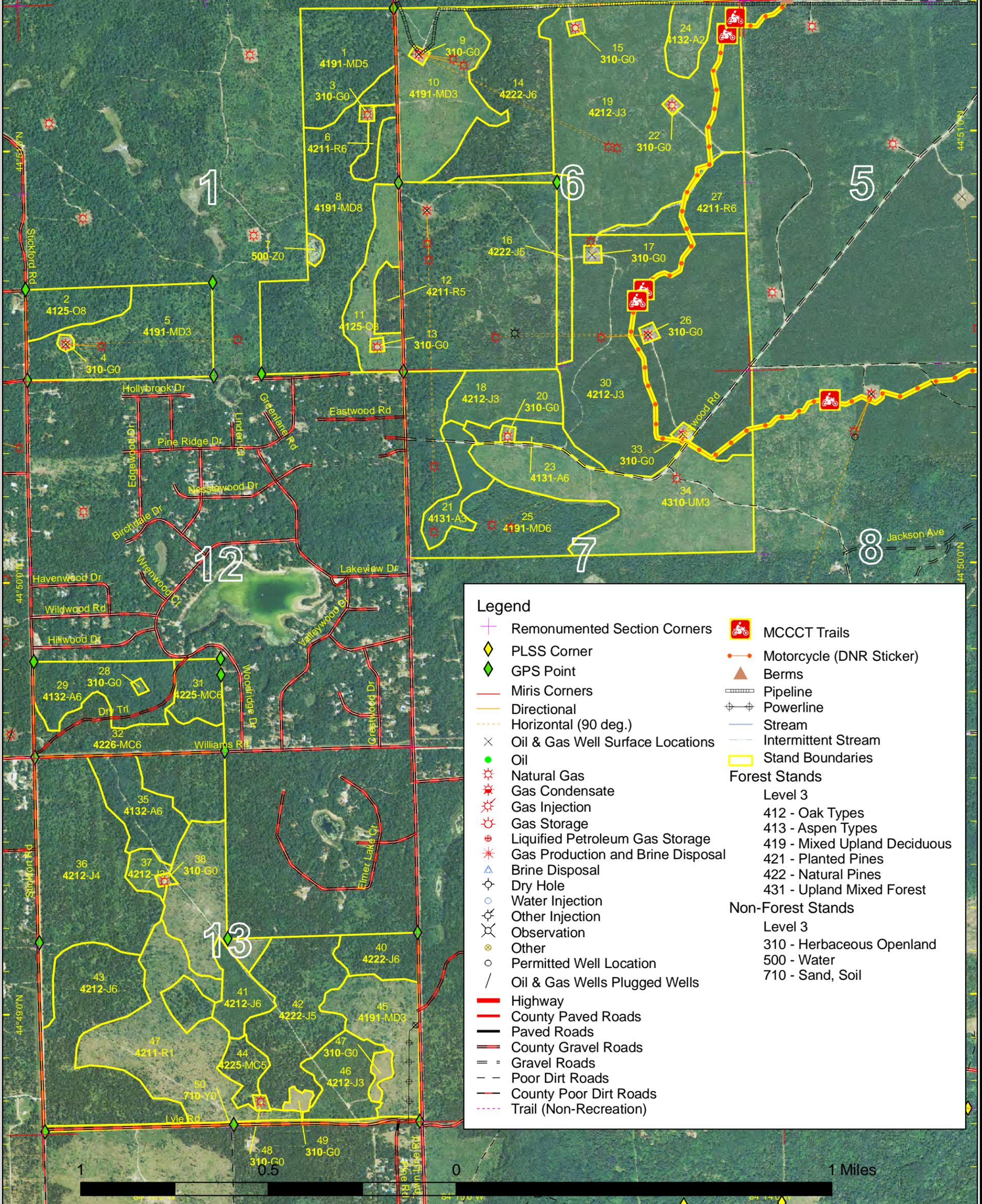
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◆	🏍️
◆	—●—
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—	Treatments
—	—
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—	
×	Forest Stands
●	Level 3
☀️	412 - Oak Types
☀️	413 - Aspen Types
☀️	419 - Mixed Upland Deciduous
☀️	421 - Planted Pines
☀️	422 - Natural Pines
☀️	431 - Upland Mixed Forest
▲	
○	Non-Forest Stands
○	Level 3
○	310 - Herbaceous Openland
○	500 - Water
○	710 - Sand, Soil
○	
—	



Stand Boundary Map

Compartment: 023
 T28N R01E Sec. 01,12,13
 T28N R02E Sec. 06,07
 County: Oscoda
 Unit: Grayling
 Management Area: AuSable Outwash
 YOE: 2016
 Acres: 1,548 GIS Calculated
 Examiner: Patrick Mohney
 Map Revised: 07/11/2014
 Map Phase: Pre-Review

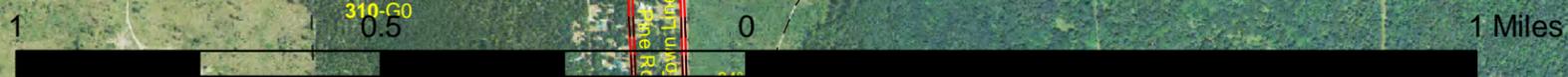
Stand #
 23
Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code



Legend

+	Remunemented Section Corners		MCCCT Trails
◇	PLSS Corner		Motorcycle (DNR Sticker)
◆	GPS Point		Berms
—	Miris Corners		Pipeline
—	Directional		Powerline
—	Horizontal (90 deg.)		Stream
×	Oil & Gas Well Surface Locations		Intermittent Stream
●	Oil		Stand Boundaries
	Natural Gas		
	Gas Condensate		
	Gas Injection		
	Gas Storage		
	Liquified Petroleum Gas Storage		
	Gas Production and Brine Disposal		
	Brine Disposal		
	Dry Hole		
	Water Injection		
	Other Injection		
	Observation		
	Other		
	Permitted Well Location		
	Oil & Gas Wells Plugged Wells		
	Highway		
	County Paved Roads		
	Paved Roads		
	County Gravel Roads		
	Gravel Roads		
	Poor Dirt Roads		
	County Poor Dirt Roads		
	Trail (Non-Recreation)		

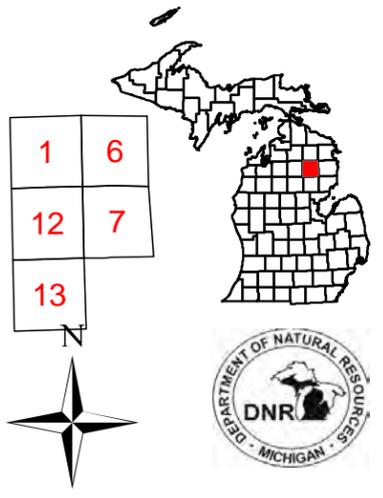
Forest Stands	
Level 3	412 - Oak Types
	413 - Aspen Types
	419 - Mixed Upland Deciduous
	421 - Planted Pines
	422 - Natural Pines
	431 - Upland Mixed Forest
Non-Forest Stands	
Level 3	310 - Herbaceous Openland
	500 - Water
	710 - Sand, Soil



Special Conservation Areas & Site Conditions Map

Compartment: 023
 T28N R01E Sec. 01,12,13
 T28N R02E Sec. 06,07
 County: Oscoda
 Unit: Grayling
 Management Area: AuSable Outwash
 YOE: 2016
 Acres: 1,548 GIS Calculated
 Examiner: Patrick Mohney
 Map Revised: 07/11/2014
 Map Phase: Pre-Review

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



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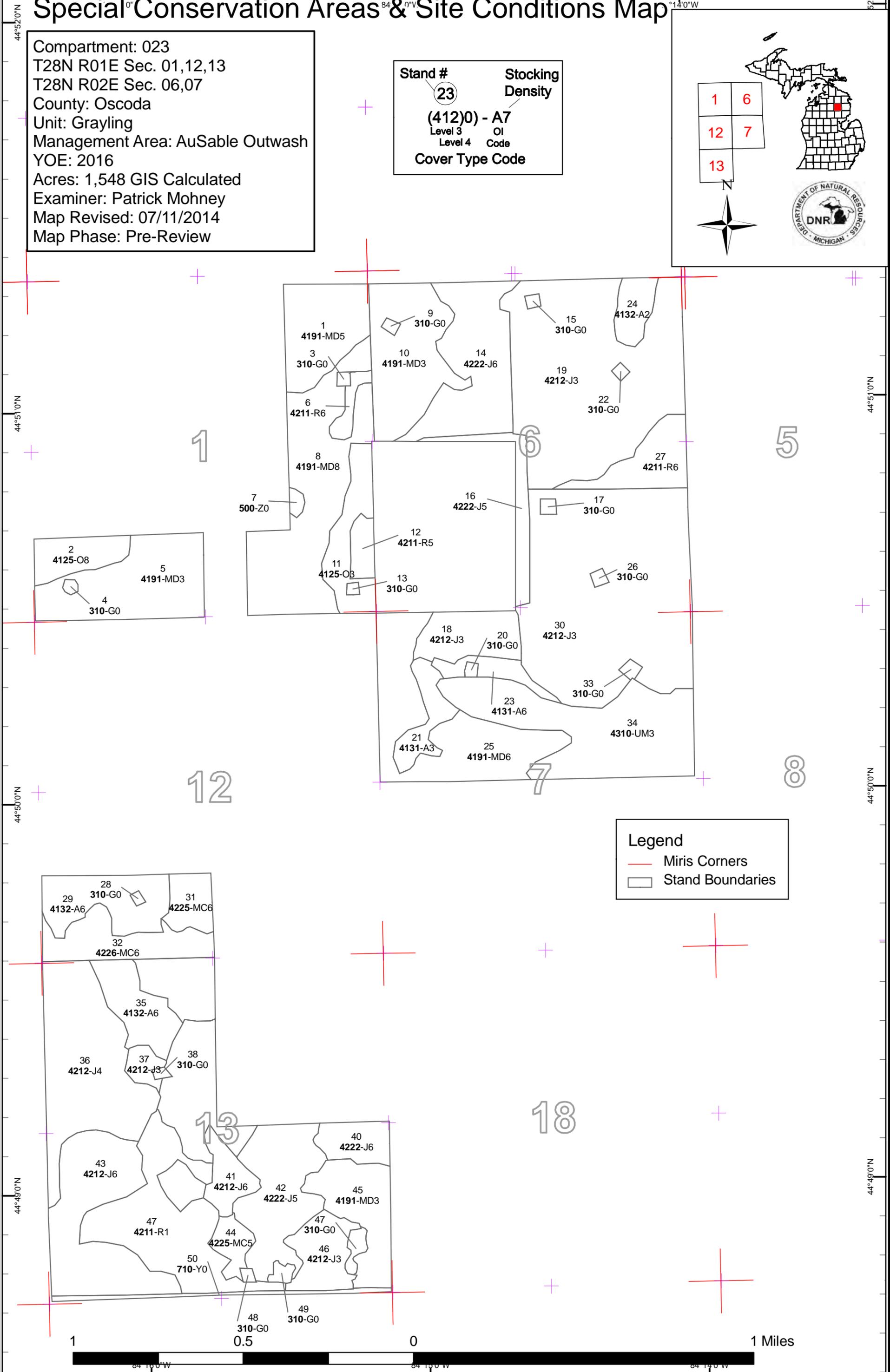
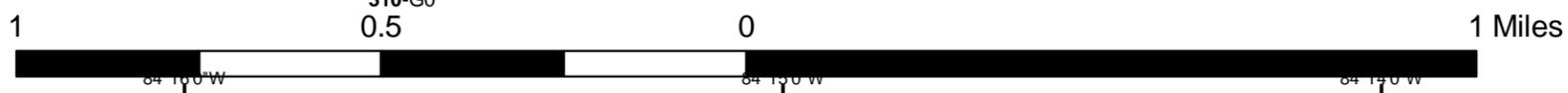
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Legend
 — Miris Corners
 □ Stand Boundaries



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	0	53	0	0	45	0	0	0	0	0	0	0	0	0	97
Herbaceous Openland	19	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Jack Pine	0	227	183	82	173	61	0	0	0	0	0	0	0	0	726
Mixed Upland Deciduous	92	0	99	0	73	0	0	0	91	0	0	0	0	0	357
Natural Mixed Pines	0	0	14	17	31	0	0	0	0	0	0	0	0	0	62
Oak	25	0	0	0	0	0	0	0	18	0	0	0	0	0	44
Red Pine	107	0	25	0	6	8	0	0	0	0	0	0	0	0	145
Sand, Soil	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Upland Mixed Forest	88	0	0	0	0	0	0	0	0	0	0	0	0	0	88
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	341	280	321	100	328	68	0	0	110	0	0	0	0	0	1548



Report 2 – Proposed Treatment Summaries

Grayling Mgt. Unit
Year of Entry 2016

Compartment 023
Total Compartment Acres: 1,655

Acres by Treatment Type

Commercial Harvest - 356 Tree Planting - 173 Other - 6
 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>
Mixed Upland Deciduous	73	0	0	0	0	0	73
Natural Pines	92	0	0	0	0	0	92
Oak Types	18	0	0	0	0	0	18
Planted Pines	173	0	0	0	0	0	173
Total	356	0	0	0	0	0	356



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	72023002-Cut	18.4	4125 - Black, N. Pin Oak	Medium Density Log	89	1-50	Harvest	Clearcut	4121 - Oak, Aspen	Cmpt. Review Proposal

Prescription Final harvest stand.

Specs:

Other Due to small stand size, leave no retention to maximize regen.

Comments:

Next Regen survey

Steps:

Proposed

Start Date: 10/01/2015

14	72023014-Cut	60.5	42220 - Natural Jack Pine	High Density Pole	51		Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription Final harvest stand. Utilize island retention in stand.

Specs:

Other Harvest with snow off to maximize scarification and cone drop to encourage natural regeneration.

Comments:

Next Regen survey. If regen check fails, trench and plant to JP

Steps:

Let stand regenerate naturally.

Proposed

Start Date: 10/01/2015

25	72023025-Cut	73.3	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	47	81-110	Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription Final harvest stand. Utilize island retention and apply visual management areas for the subdivision across the street.

Specs:

Other Let stand regenerate naturally. If regen survey fails, trench and plant to JP.

Comments:

Specify retention vs. visual management areas on sale map.

Next regen survey

Steps:

Proposed

Start Date: 10/01/2015

32	72023032-Cut	31.3	42260 - Natural Pine, Mixed Deciduous	High Density Pole	44	81-110	Harvest	Clearcut with Reserves	4222 - Natural Jack Pine	Cmpt. Review Proposal
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Prescription Final harvest stand, utilize island retention

Specs:

Other let stand regenerate naturally, if regen check fails, trench and plant to JP

Comments:

Next regen survey

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
36 72023036-Cut	105.4	42120 - Planted Jack Pine	Low Density Pole	47		Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal

Prescription Final harvest stand, utilize island retention. Focus islands near roads and edges of the stand in advanced oak regen and red pine regen to make
Specs: herbicide or site prep easier.

Other Trench and plant to RP. Use any means necessary to prep site including herbicide, roller chopping.

Comments: Specify retention vs. visual management on map

Next trench and plant to RP
Steps:

Proposed
Start Date: 10/01/2015

43 72023043-Cut	67.3	42120 - Planted Jack Pine	High Density Pole	41		Harvest	Clearcut with Reserves	4211 - Planted Red Pine	Cmpt. Review Proposal
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Prescription final harvest stand, utilize island retention focusing on advanced oak and red pine regen. Place islands near roads or edges of stand to make
Specs: site prep easier.

Other use any means necessary to prep site for planting. Including herbicide or roller chopping.

Comments: Specify retention vs. visual management on map.

Next trench and plant to RP
Steps:

Proposed
Start Date: 10/01/2015

47 NF_72023047-Other	3.4	3102 - Grass				Other	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal
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Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing,
Specs: brushing, burning and herbicide application.

Other
Comments:

Next
Steps:

Proposed
Start Date: Unspecified

49 NF_72023049-Other	2.3	3102 - Grass				Other	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal
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Prescription Periodic opening maintenance, as needed, that may include disking, fertilizing, food plot seeding, no-till prairie grass drill seeding, mowing,
Specs: brushing, burning and herbicide application.

Other
Comments:

Next
Steps:

Proposed
Start Date: Unspecified

**Total Treatment
Acreage Proposed: 361.9**



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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**

Report 5 – Site Conditions

Grayling Mgt. Unit

Patrick Mohney : Examiner

Compartment 023

Year of Entry 2016

Availability for Management

Availability for Management			Dominant Site Conditions	
Total Acres	Acres Available	Acres Not Available		No
97	97		Aspen	97
726	726		Jack Pine	726
357	357		Mixed Upland Deciduous	357
62	62		Natural Mixed Pines	62
44	44		Oak	44
145	145		Red Pine	145
88	88		Upland Mixed Forest	88
1,520	1,520		Total Forested Acres	1,520
	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
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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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	40.5	27		Seedtree done in 1987- regen is mostly pin oak, single stem and stump sprouts- some aspen as well. Some areas heavier to aspen and red maple regen. Regen is doing well. Log sized stems are starting to decline in places.
2	4125 - Black, N. Pin Oak	Medium Density Log	18.4	89	1-50	Oak is getting old. Health is still decent in most places. Understory is coming in strong. Regeneration should not be an issue.
5	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	58.9	26	1-50	Jack Pine is reaching merch Size in some areas, 1 stck tall. Most still submerch. About 10 BA of residual oak from harvest in 86. Old Comment. JP is merchantable in most places. Oak is decent quality.
6	42110 - Planted Red Pine	High Density Pole	5.9	47	81-110	Stand was third row thinned under tsale 720040601 in 2008-2009. BA was quite variable due to size variation in trees. Stand is small acreage. Quality is fair.
8	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	91.5	88	1-50	Stand was shelterwooded in 1997. RP quality is decent. Oak is variable. Regen is dense in the understory. Lots of nice oak regen coming in. Featured the large diameter trees. Understory is coming in nicely.
10	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	57.4	4		Stand was harvested under tsale contract 720040601 in 2006-2008. FTP was submitted, C72-614. JP is doing well, just reaching the 3' mark. Oak regen is very dense. Some heavy patches of BTA throughout. Decision was made at compt review to accept existing regeneration from previous treatment. Drop old FTP C72-614.
11	4125 - Black, N. Pin Oak	High Density Sapling	25.5	8		Stand was final harvested in 2006-2008 under tsale 720040601. FTP was submitted, C72-614. JP plantation. JP survival is decent, most is not past the 3' mark. Well site adjacent to the stand. Decision was made to accept existing regeneration at compartment review. Drop old FTP C72-614.
12	42110 - Planted Red Pine	Medium Density Pole	7.9	50	81-110	Stand was third row thinned under tsale contract 720040601 in 2008-2009. RP plantation bordering townline rd. rows running N/S. Quality is decent. RP has responded to thinning fairly well.
14	42220 - Natural Jack Pine	High Density Pole	60.5	51		Natural Jack Pine stand. JP is showing its age in places, starting to drop individual stems. Aspen is in poor shape as well. Oak is decent. Good access to the stand.
16	42221 - Natural Jack Pine, Mixed Deciduous	Medium Density Pole	15.6	32		Stand created by trespass harvest- Old fence wire still exists. Some portions regenerated to JP poles, others have filled in with a U type, Aspen saplings as well. Old Comment.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	25.9	17		Stand was final harvested in 1997, was replanted to JP, some aspen regen as well, one pocket near well site did not get planted- came back to heavy A3, rest of stand is doing well as jack pine. Old Comments. JP is doing well, starting to get close to pole sized in some places.
19	42120 - Planted Jack Pine	High Density Sapling	158.0	17		Planted 1997. Nice plantation, growing well.
21	4131 - Aspen, Oak	High Density Sapling	15.7	17		Stand was final harvested in 1997, MO said JP previously, stand is now a well regenerated stand of Aspen, was perscribed for planting, never was done. Stand is now fully established as an aspen stand.
23	4131 - Aspen, Oak	High Density Pole	10.4	46	51-80	Aspen stand, pole sized , along Seasonal County RD. Mixed stand. Previously typed as an A6. Stand is fairly healthy. Oak is coming in well in the understory.
24	4132 - Aspen, Jack Pine	Medium Density	12.2	16		This is a sparse stand. Excluded from the JP plantation, looks like this is an area that the plantation may have failed and the aspen filled in. Aspen is small and patchy. Oak and JP are poor form
25	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	73.3	47	81-110	Nice mixed stand. Health is decent. JP is showing its age. Dense regen in the understory in places.
27	42110 - Planted Red Pine	High Density Pole	24.8	26	51-80	RP Plantation. Has not started to self prune yet. Decent quality, not much in the understory.
29	4132 - Aspen, Jack Pine	High Density Pole	34.1	42		Well stocked stand of Aspen, mostly poles, a few reaching sawlog size. June berry present in the understory, also a component of RM/WP/ pin Oak Old Comment. Stand has a good mix of oak/jp/asp. Aspen is fair quality, sawlog sized stuff is declining. Oak is poor quality in some places.
30	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	183.4	26		Planted 1988. Seems to be growing well, some pockets of aspen growing up along with the JP. Some oak mixed in as well.
31	42250 - Pine, Oak	High Density Pole	13.8	24	1-50	Sparse stand of sawlog sized Pin Oka, understory of JP, Rp poles alsosapling sized pin cherry and pin oak stump sprouts. Hold- Oak is not worth the distruction to the the J1-J2 understory. Old Comments. Previous comments still hold true. Oak is not very good quality. Some stems are dropping out. JP understory is doing well, Oak was featured previously, JP is now featured with some large diameter oak in the overstory as well.
32	42260 - Natural Pine, Mixed Deciduous	High Density Pole	31.3	44	81-110	A mixed stand. Very dense, lots of trash dumps from the local subdivision. Aspen is patchy, mostly in small clumps throughout the stand. JP is starting to show its age.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
34	4310 - Pine, Oak Mix	High Density Sapling	88.1	8		Stand harvested under tsale 720040601 in 2006-2007. It was decided that this stand was going to be planted to JP and FTP was submitted, C72-614. JP has good survival, just reaching the 3' mark. Oak is doing very well and competing with the JP.
35	4132 - Aspen, Jack Pine	High Density Pole	25.0	17		Mixed stand. Stand was final harvested in 1997. It is approaching pole sized in most places. Aspen is decent quality, regeneration is extremely dense, very tough to walk through. There is a small patch of RP plantation in the south end of the stand. It is approximately 1/4 to 1/2 acre. Several locations that have yard waste dumped on state land.
36	42120 - Planted Jack Pine	Low Density Pole	105.4	47		This is an old strip plantation. The older strips are from approximately 1967, the younger strips are from approximately 1997. The pole sized stuff is fair condition, the smaller stuff growing in between is not very good quality at all. There is also a lot of oak regeneration coming up along with the small stuff as well. The intermixed strips are starting to fill in with the larger strips. Some small pockets of aspen here and there as well. Stand is extremely dense.
37	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	6.4	14		Young JP plantation. JP is doing well. Oak is keeping pace, not a whole lot of browse in the stand. Lots of garbage and yard waste in teh stand from the neighboring subdivision.
47	42110 - Planted Red Pine	Low Density Sapling	106.9	6		Stand harvested under tsale contract 72-003-06-01 in 2007/2008. FTP submitted, C72-625. Leave Fuel Break along Lyle rd per Jim Fisher. Planted JP/RP mix. About 80-20 RP-JP. Old Comment. Dense natural JP regen along with planted stock. There are some large top piles left throughout the stand from the harvest that were never cleaned up. They make good rabbitat. Accepted natural regeneration in the stand. No need for additional regen surveys.
39	42110 - Planted Red Pine	Low Density Sapling	106.9	6		Stand harvested under tsale contract 72-003-06-01 in 2007/2008. FTP submitted, C72-625. Leave Fuel Break along Lyle rd per Jim Fisher. Planted JP/RP mix. About 80-20 RP-JP. Old Comment. Dense natural JP regen along with planted stock. There are some large top piles left throughout the stand from the harvest that were never cleaned up. They make good rabbitat. Accepted natural regeneration in the stand. No need for additional regen surveys.
40	42220 - Natural Jack Pine	High Density Pole	15.5	37	51-80	Jack pine stand mixed with some other species. Quality is fair. Some rolling terrain in the stand.
41	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	14.1	17		Planted JP in 1997. Some insect damage, about 10 20 % of trees are affected. Terminal leader is filled with white larvae, looks like WP Weevil possibly. Old Comment. Stand is dense in most areas. Cherry and oak is filling in where it is fairly open. Quality is fair.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42	42220 - Natural Jack Pine	Medium Density Pole	51.2	36	1-50	Sparsely stocked stand. JP is mostly pole sized. Quality is fair. Some large open areas throughout the stand. Cherry is filling in pretty readily.
43	42120 - Planted Jack Pine	High Density Pole	67.3	41		I suspect this was part of the plantation that is directly to the north, just may have filled in better than the other stands. JP is fair quality. Size varies throughout stand. RP in the area is nice quality and doing well.
44	42250 - Pine, Oak	Medium Density Pole	17.2	38	1-50	Sparse stand of sawlog sized Pin Oka, understory of JP, Rp poles also sapling sized pin cherry and pin oak stump sprouts. Hold- Oak is not worth the destruction to the the J1-J2 understory. Stands were excluded from previous sale. Quality is decent.
45	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	35.0	6		Stand was harvested under tsale contract 72-003-06-01. FTP submitted, C72-625. Leave fuel break along Lyle Rd per Jim fisher. Old Comment. Good oak regen, some JP regen. Heavy to cherry. Some larger Dia oak scattered through stand. Accepted natural regeneration, no need for additional regeneration surveys.
46	42121 - Planted Jack Pine, Mixed Deciduous	High Density Sapling	22.7	17		Planted JP in 1997. Flat terrain, quality is decent. Lots of yard waste and trash dumped in stand from neighborhood. Nice oak regen along south end of the stand.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	3102 - Grass	1.0	No	Unspecified	
4	3102 - Grass	1.0	No	Unspecified	well site
7	50 - Water	1.9	No	Unspecified	
9	3102 - Grass	1.0	No	Unspecified	well site
13	3102 - Grass	0.8	No	Unspecified	well site
15	3102 - Grass	1.0	No	Unspecified	well site
17	3102 - Grass	1.3	No	Unspecified	Well site
20	3102 - Grass	1.0	No	Unspecified	well site
22	3102 - Grass	1.0	No	Unspecified	well site
26	3102 - Grass	1.2	No	Unspecified	
28	3102 - Grass	0.7	No	Unspecified	
33	3102 - Grass	1.5	No	Unspecified	
38	3102 - Grass	0.9	No	Unspecified	well site
47	3102 - Grass	3.4	Yes	High	
48	3102 - Grass	1.0	No	Unspecified	
49	3102 - Grass	2.3	Yes	High	Wildlife opening. ORV activity all around and through the opening. Some mixed pine in the center.
50	710 - Sand, Soil	7.1	No	Unspecified	