



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 100

Entry Year 2015

Acreage: 1,049

County Alpena

Management Area: Alpena Lake Plain

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**Revision Date:** 10/31/2013

**Stand Examiner:** Chad Fate

**Legal Description:**

Sections 4, 9 and 16, T31N-R7E

**Identified Planning Goals:**

Timber and wildlife habitat

**Soil and topography:**

Compartment consists largely of lowland brush on organic soils. Slightly higher areas of poorly drained sands grow lowland hardwoods and swamp aspen. East-west ridges of well drained sand support aspen and red pine.

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

State land on the west and south sides of the compartment. Small tracts of private land have developed to the north and east sides of the compartment along the Thunder Bay river and Lake Winyah. Alpena Combat Readiness Training Center operates one-half mile to the east, on the west side of the South Branch of the Thunder Bay River. The City of Alpena is 6 miles to the east.

**Unique Natural Features:**

Potential for wood turtle and a potential for eagle and loon to the east along the water.

**Archeological, Historical, and Cultural Features:**

No Archeological, Historical, or Cultural Features known.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

Thunder Bay River and Lake Winyah are in close proximity of the compartment.

**Wildlife Habitat Considerations:**

Several featured species are present in this compartment including white-tailed deer, ruffed grouse, woodcock, and snowshoe hare. The compartment is used quite heavily by deer, grouse, and hare hunters and provides an area for recreation not far from Alpena. Much of the compartment is significantly wet most of the year but there may be an opportunity for woodcock habitat improvement in some tag alder areas. This would depend on the winter and soil conditions. One opening in the southern portion of the compartment should be maintained and if possible where timber harvest is conducted, log landings could be expanded. Timber harvests should promote featured species.

**Mineral Resource and Development Concerns and/or Restrictions**

Surface sediments consist of lacustrine (lake) sand and gravel and minor dune sand. The glacial drift thickness varies between 0 and 10 feet. Beneath the glacial drift are the Devonian Antrim Shale and Traverse Group. The Antrim and Traverse are quarried for clay/shale and limestone/cement products eight miles to the east. A gravel pit is located just to the north, but potential appears to be limited. This area has had no drilling for oil and gas. The Antrim Shale is pinching out in this area and production is unlikely. There are no State oil and gas leases in the area.

**Vehicle Access:**

The north end of the compartment in section 4, there are good access roads which are used by the residents of the small parcels to the north and east sides along the river. There is a good road on the south end in section 16 that is gated at the private 40's. Much of the middle is wet and inaccessible.

**Survey Needs:**

**Recreational Facilities and Opportunities:**

Hunting

**Fire Protection:**

Much of this compartment is wet, however muck/peat organic layer may be exposed during dry years.

**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

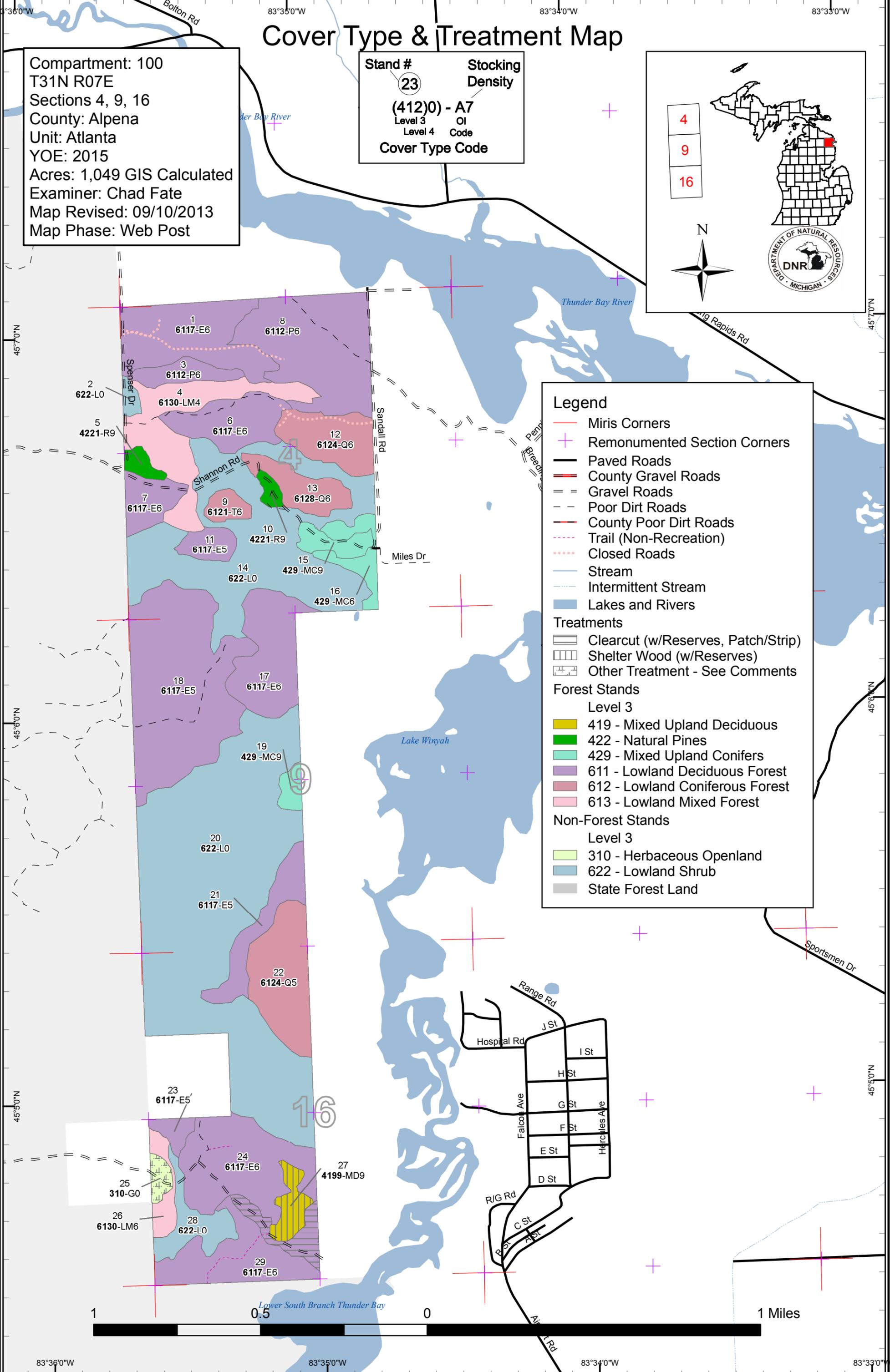
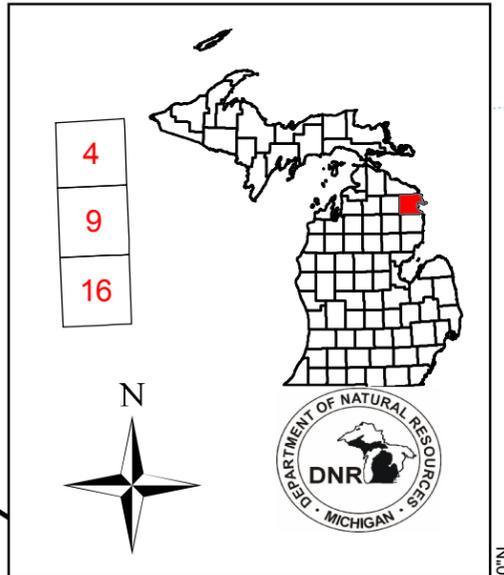
The following information is displayed, where pertinent, on the attached compartment maps:

- 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: 100  
 T31N R07E  
 Sections 4, 9, 16  
 County: Alpena  
 Unit: Atlanta  
 YOE: 2015  
 Acres: 1,049 GIS Calculated  
 Examiner: Chad Fate  
 Map Revised: 09/10/2013  
 Map Phase: Web Post

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



**Legend**

- Miris Corners
- Remonumented Section Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Stream
- Intermittent Stream
- Lakes and Rivers

**Treatments**

- Clearcut (w/Reserves, Patch/Strip)
- Shelter Wood (w/Reserves)
- Other Treatment - See Comments

**Forest Stands**

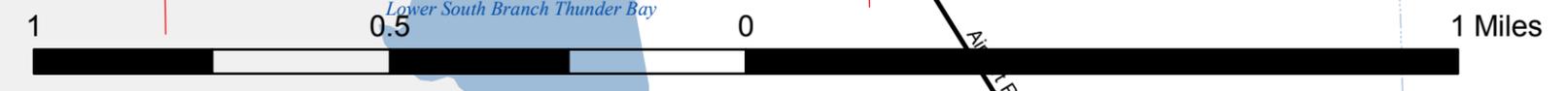
Level 3

- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

**Non-Forest Stands**

Level 3

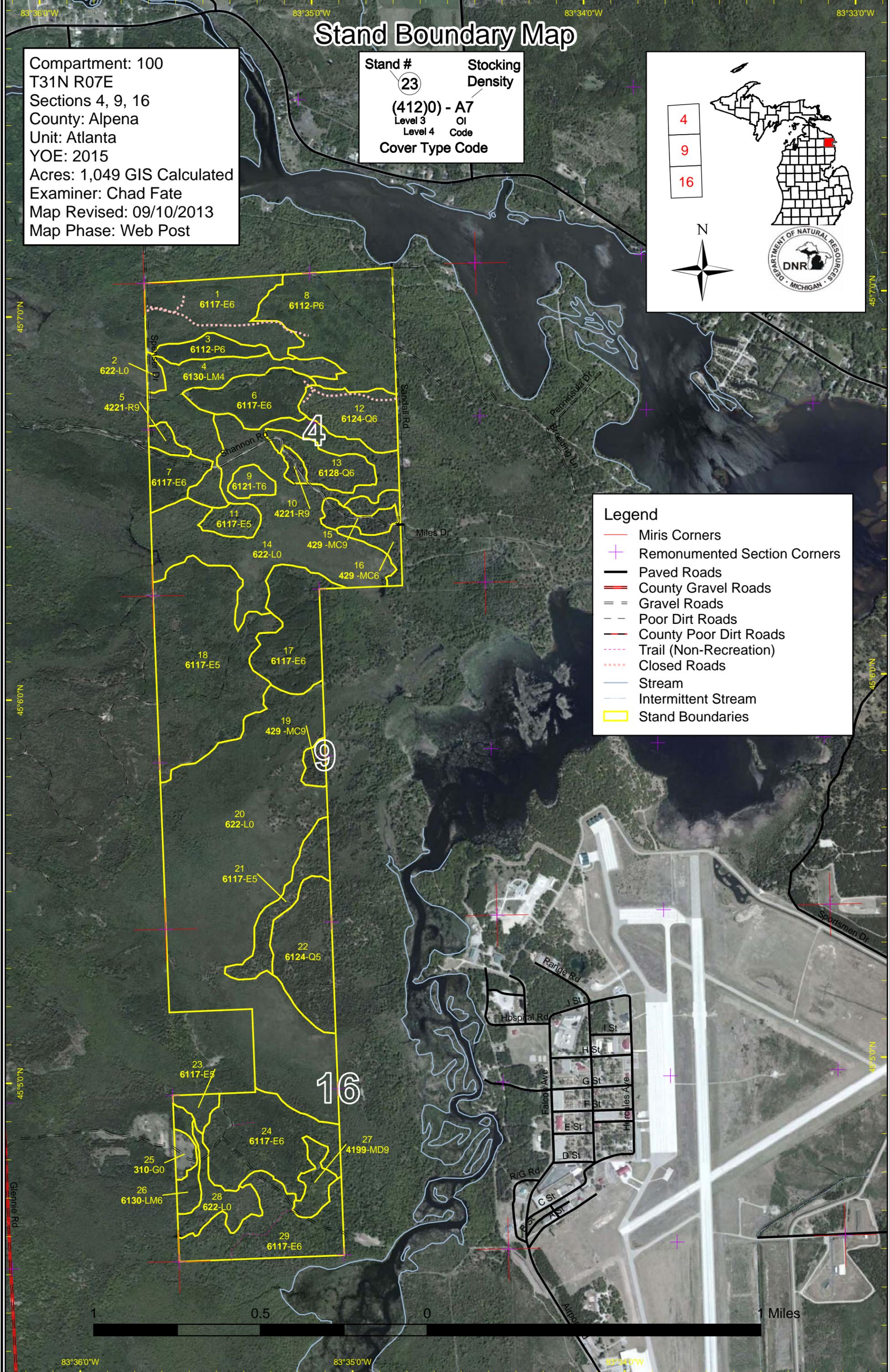
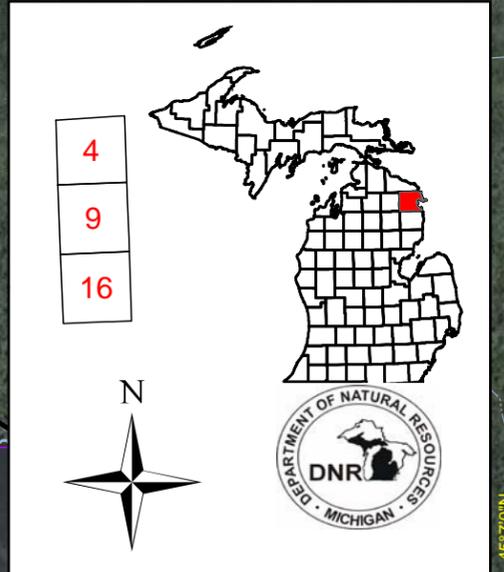
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- State Forest Land



# Stand Boundary Map

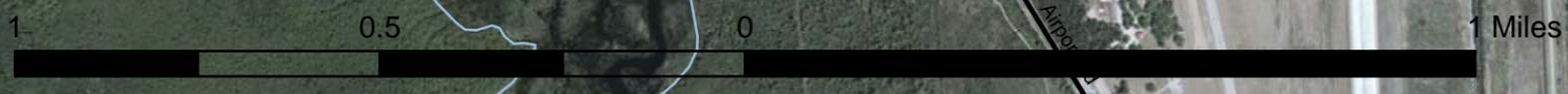
Compartment: 100  
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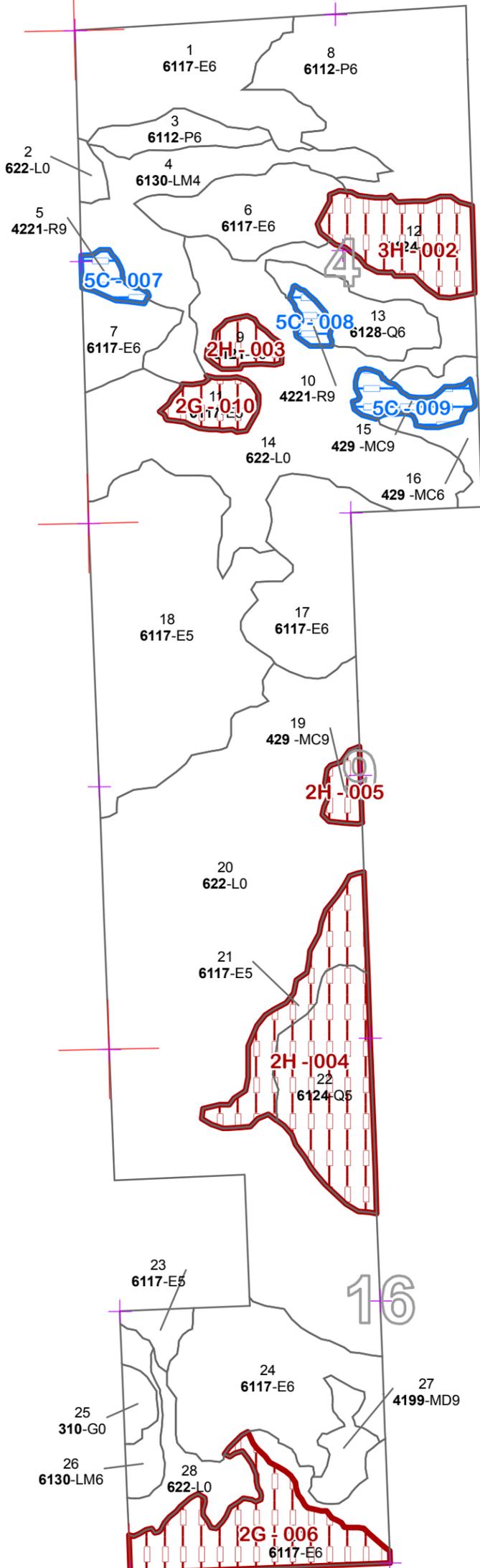
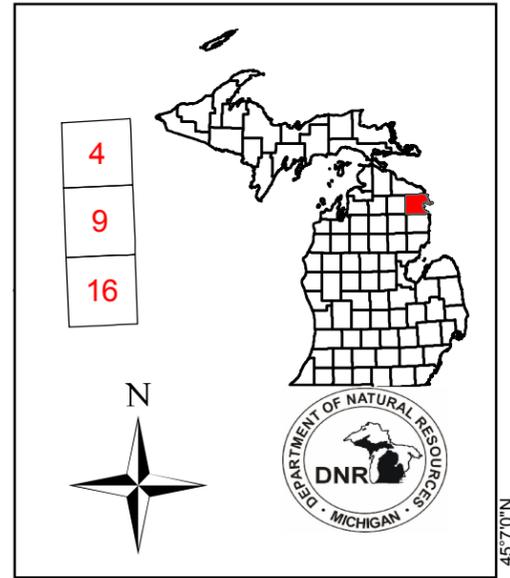
- Miris Corners
- + Remonumented Section Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Stream
- Intermittent Stream
- Stand Boundaries



# Special Conservation Areas & Site Conditions Map

Compartment: 100  
 T31N R07E  
 Sections 4, 9, 16  
 County: Alpena  
 Unit: Atlanta  
 YOE: 2015  
 Acres: 1,049 GIS Calculated  
 Examiner: Chad Fate  
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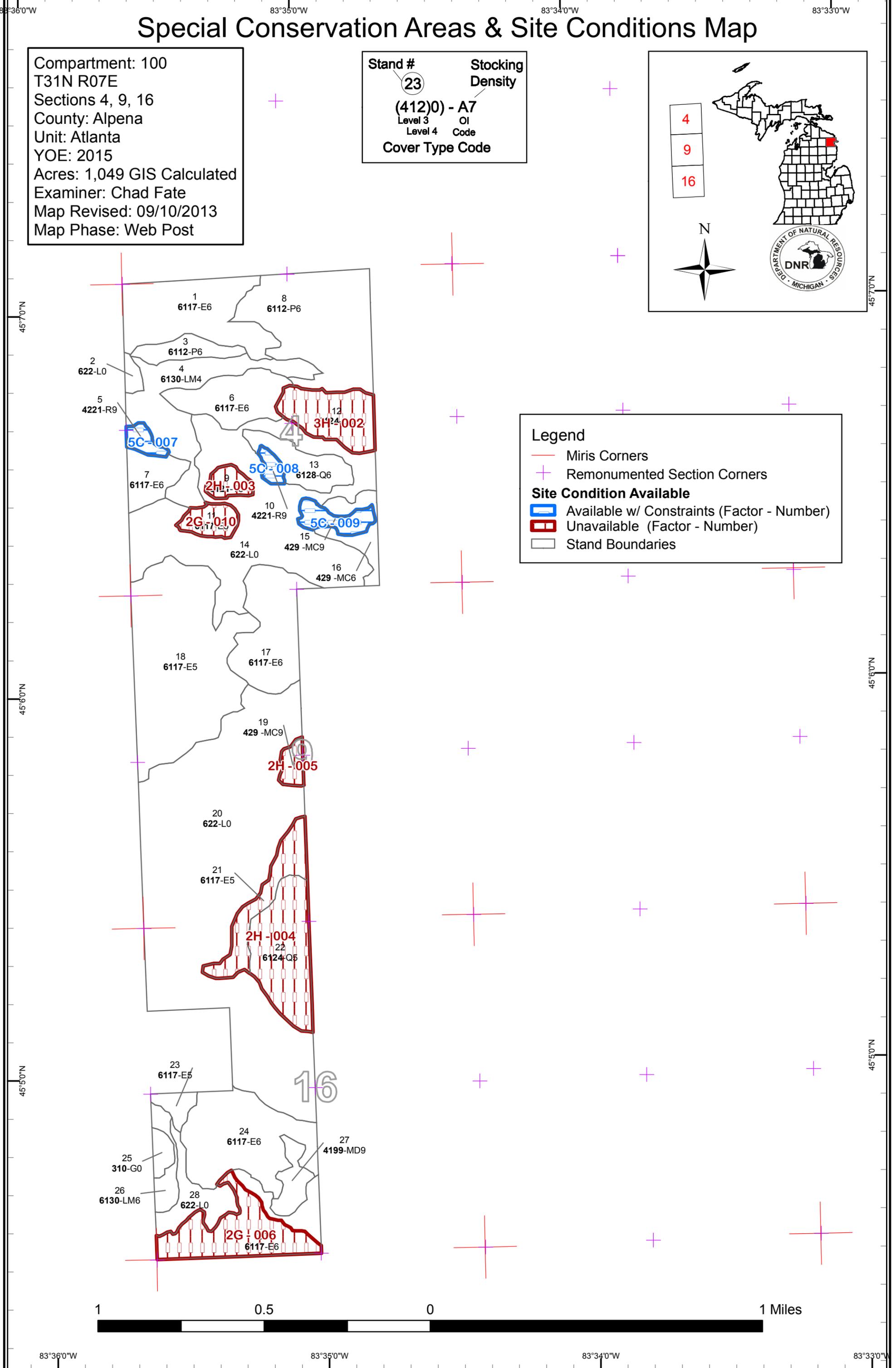


**Legend**

- Miris Corners
- + Remonumented Section Corners

**Site Condition Available**

- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- 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
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Aspen/Balsam Poplar	0	0	0	81	0	0	0	0	0	0	0	0	0	0	81
Lowland Conifers	0	0	0	18	0	0	0	41	26	0	0	0	0	0	86
Lowland Deciduous	0	0	0	182	110	0	15	0	48	21	0	0	0	0	377
Lowland Mixed Forest	0	0	0	0	0	54	0	0	0	0	0	0	0	0	54
Lowland Shrub	395	0	0	0	0	0	0	0	0	0	0	0	0	0	395
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	10	0	0	0	0	0	10
Red Pine	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Tamarack	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7
Upland Conifers	0	0	0	13	0	0	0	0	14	0	0	0	0	0	27
<b>Total</b>	<b>400</b>	<b>0</b>	<b>0</b>	<b>294</b>	<b>110</b>	<b>54</b>	<b>15</b>	<b>41</b>	<b>107</b>	<b>21</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1049</b>



## Report 2 – Proposed Treatment Summaries

**Atlanta Mgt. Unit**  
**Year of Entry 2015**

**Compartment 100**  
**Total Compartment Acres: 1,049**

### Acres by Treatment Type

Commercial Harvest - 22	Tree Planting - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 5	

### Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Lowland Deciduous Forest	12	0	0	0	0	0	0	12
Mixed Upland Deciduous	0	0	0	10	0	0	0	10
<b>Total</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
27 54100027-Cut	10.2	4199 - Other Mixed Upland Deciduous	High Density	80		Harvest	Shelter Wood with Reserves	4199 - Other Mixed Upland Deciduous	Cmpt. Review Proposal

Prescription Mark to leave oaks to 20-40 BA. Leave dominant oaks. Leave at 40 BA where high density oaks are present, leave at 20 BA through the rest.  
Specs:

Other Comments: Access will need to be acquired through private property. Landowner contact information can be found in the compartment folder.

Next Steps: acceptable regen is aspen, birch, red maple, with some red oak from stump sprouts.

Proposed Start Date: 10/01/2014

29 54100029-Cut	11.6	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	89		Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
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Prescription clearcut, leave retention along the rd. may require winter cut only (or dry summer). Use grouse spec.  
Specs:

Other Comments: Access must be acquired through private. Private landowner contact info can be found in the compartment folder.

Next Steps: acceptable regen is a mix of aspen, fir and red maple. Paper birch and red oak may also be a minor component.

Proposed Start Date: 10/01/2014

25 NF_54100025-NonFor	4.8	3102 - Grass				Non-Forest Management	Other - Specify	3102 - Grass	Cmpt. Review Proposal
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Prescription Maintain opening using mechanical methods or plant to food and cover crops for wildlife  
Specs:

Other Comments:

Next Steps: Monitor and treat on rotation

Proposed Start Date: Unspecified

**Total Treatment Acreage Proposed: 26.6**

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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

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**Total Treatment**  
**Acreage Proposed: 0.0**

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Chad Fate : Examiner

Compartment 100  
Year of Entry 2015

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	5C	3H	2H	2G
	Available	Not Available						
81	81		Lowland Aspen/Balsam Poplar	81				
86	18	68	Lowland Conifers	18		26	41	
377	310	67	Lowland Deciduous	310			21	45
54	54		Lowland Mixed Forest	54				
10	10		Mixed Upland Deciduous	10				
8	8		Red Pine		8			
7		7	Tamarack				7	
27	22	5	Upland Conifers	13	9		5	
649	503	146	Total Forested Acres	486	17	26	74	45
	77%	23%	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
002	Not Available	3H: Deer Wintering Areas	27	2G: Too wet (sensitive soils, does not include access issues)			
<b>Comments:</b> A lot of deer activity throughout the winter							
003	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	2G: Too wet (sensitive soils, does not include access issues)	4A: No merchantable products (see product standards)		
<b>Comments:</b>							
004	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	63	2G: Too wet (sensitive soils, does not include access issues)			
<b>Comments:</b>							

## Report 5 – Site Conditions

Atlanta Mgt. Unit  
Chad Fate : Examiner

Compartment 100  
Year of Entry 2015

005	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	
<b>Comments:</b>				
006	Not Available	2G: Too wet (sensitive soils, does not include access issues)	36	
<b>Comments:</b>				
007	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	No Limiting Factor
<b>Comments:</b> Low acres, highly visible stand of large trees, and difficult to regenerate species. High ground surrounded by lowland.				
008	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	No Limiting Factor
<b>Comments:</b> Low acres, highly visible stand of large trees, and difficult to regenerate species. High ground surrounded by lowland.				
009	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	No Limiting Factor
<b>Comments:</b> Low acres, highly visible stand of large trees, and difficult to regenerate species. High ground surrounded by lowland.				
010	Not Available	2G: Too wet (sensitive soils, does not include access issues)	9	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
<b>Comments:</b>				



### 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
<b>Comments</b>				



**Report 7 – DEDICATED CONSERVATION AREA DETAILS**

\* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

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

Conservation Area	Type	Description
SCA	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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Atlanta Mgt. Unit

## Report 8 – Forested Stands

Compartment: 100  
Year of Entry: 2015

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	49.5	35		
3	6112 - Lowland Aspen	High Density Pole	11.1	39		Seasonally wet, drier then the surrounding stands.
4	6130 - Fir, Aspen, Maple	Low Density Pole	45.3	55		wet, lots of tag alder with low density sapling and pole sized trees
5	42210 - Natural Red Pine	High Density Log	4.7	85	81-110	
6	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	27.0	37		seasonally wet, sandy soils dry out faster then the surrounding stands. wet along the edges with some areas of tag alder. Small amount of black ash present, but it appears to be dead from EAB.
7	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	14.6	49		
8	6112 - Lowland Aspen	High Density Pole	70.2	35		eab present. black ash is dead or dying.
9	6121 - Tamarack	High Density Pole	6.6	102		very wet, trees are small and slow growing.
10	42210 - Natural Red Pine	High Density Log	3.5	85	81-110	
11	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	9.2	65		eab present, most of the ash is dead, or soon to be. stand is very wet
12	6124 - Lowland Spruce-Fir	High Density Pole	26.5	88		wet
13	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	18.0	34		
15	429 - Mixed Upland Conifers	High Density Log	9.1	85	81-110	
16	429 - Mixed Upland Conifers	High Density Pole	12.7	37		mostly dry, but seasonally wet in areas
17	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	40.1	45		
18	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	105.8	37		

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Atlanta Mgt. Unit

## Report 8 – Forested Stands

Compartment: 100  
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	429 - Mixed Upland Conifers	High Density Log	5.3	85	51-80	Small island surrounded by lowland brush. high water table, but stand dries out. no access, too wet both on State land and Private.
21	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	21.5	92		Old aspen. lots of snags and some blowdown. no access, too wet.
22	6124 - Lowland Spruce- Fir	Medium Density Pole	41.1	75		
23	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	5.7	65		eab present. black ash is dying. wet stand, low volume.
24	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	55.5	40		eab present. black ash is dying.
26	6130 - Fir, Aspen, Maple	High Density Pole	8.3	59		Scotch Pine around the edges of the stand near opening and private 40. EAB present and black ash is dead and dying.
27	4199 - Other Mixed Upland Deciduous	High Density Log	10.2	80		New stand added. apsen and birch is declining. Oak is medium to high quality.
29	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	47.7	89		Very mixed stand, mostly too wet. pockets may be treated if/when other surrounding stands are treated. Private fence line along the east edge may be in trespass.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	6229 - Mixed lowland shrub	3.2	Unspecified	Unspecified	tag alder, willow, and scattered birch, fir
14	6229 - Mixed lowland shrub	124.4	Unspecified	Unspecified	tag alder, willow, and scattered fir and tamarack
20	6229 - Mixed lowland shrub	249.9	Unspecified	Unspecified	mostly high density tag alder with some birch, fir, pople, and black ash scattered. lots of water.
25	3102 - Grass	4.8	Unspecified	Unspecified	mostly grass and rock. some scattered scotch pine enchoching from private 40.
28	6223 - Inundated Shrub Swamp	17.5	Unspecified	Unspecified	mostly tag alder with staning water. pockets with a mix of aspen, birch, fir, ash, and red maple. Tree density is too low to call forested.