



Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 69

Entry Year 2015

Acreage: 894

County Menominee

Management Area: North Menominee Moraines

Revision Date: 07/12/2013

Stand Examiner: Dan McNamee

Legal Description:

T40N, R25W Sections 17,18,19,29,30,31, and 32, Menominee County, Michigan

Identified Planning Goals:

Management of four major covertypes (Lowland Coniferous, Northern hardwood, Upland conifers, Mixed upland forest) will be done within this compartment, using a variety of silviculture techniques. Spruce Budworm and Eastern Larch Beetle are evident within some stands of this compartment. These timber types will be harvested to utilize the product before it is unuseable.

Soil and topography:

Topography is undulating to moderately steep. Major soils found in this area include Onaway and Summerville on the uplands, Lupton, and Lupton-cathro complex in the lowlands.

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

The ownership pattern around this tract is industrial private land to the west, north and south. Non-industrial private lands and another block of state land border the east side. There are also small Non-industrial private lands located in section 26.

Unique Natural Features:

No Unique Natural Features known.

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:

Ten Mile Creek

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of medium-textured glacial till. The glacial drift thickness is either insufficient data to determine or it varies between 50 and 100 feet. The Ordovician Black River and Prairie du Chien Groups underlie the glacial drift. These rocks are used for dolomite/stone and may overlap Precambrian aged rocks, which may have metallic and nonmetallic mineral potential. This area has not been leased previously for metallic exploration. The nearest gravel pits located to the east and there appears to be gravel potential on the upland drumlins. No economic oil and gas production has been found in the UP.

Vehicle Access:

Access is good but controlled by private land owners. M69 crosses a corner of the compartment.

Survey Needs:

None

Recreational Facilities and Opportunities:

The Felch Grade ORV/Snowmobile trail passes through a corner of the compartment. There are no other developed facilities but there are opportunities for hunting and fishing, however access is limited due to private land.

Fire Protection:

This area is not prone to fire but due to the spruce budworm and eastern larch beetle there is potential for fire within some areas of this compartment. If a fire should get started in this area access is real good. There are many spots to access water.

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:

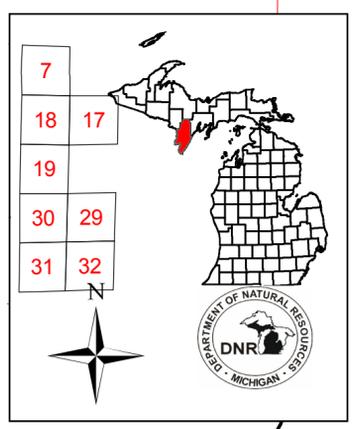
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Compartment: 069
 T40N R25W
 07 17 18 19 29 30 31 32
 County: Menominee
 Unit: Escanaba
 YOY: 2015
 Acres: 895 GIS Calculated
 Examiner: Dan McNamee
 Map Revised: 07/22/2013
 Map Phase: Pre-Review

Cover Type & Treatment Map

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

Stocking
 Density
 OI
 Code



Legend

- Miris Corners
- State Highway
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Pipeline
- Powerline
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)

Forest Stands

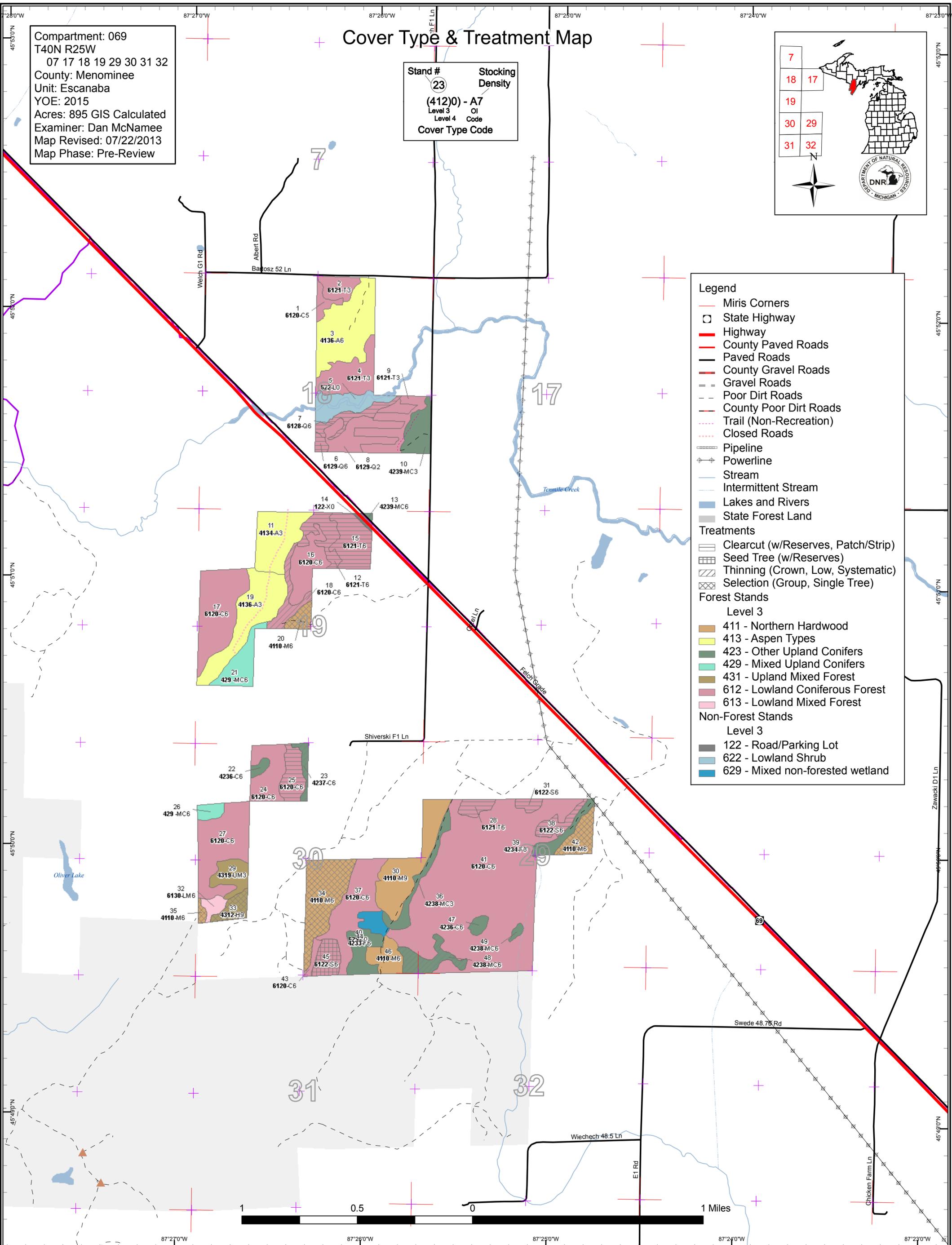
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

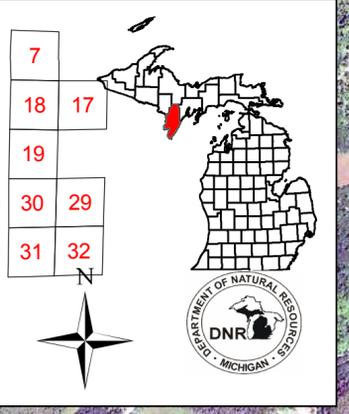
- 122 - Road/Parking Lot
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland



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Stand Boundary Map

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



Legend

- Miris Corners
- State Highway
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Pipeline
- Powerline
- Stream
- Intermittent Stream
- Stand Boundaries

Forest Stands

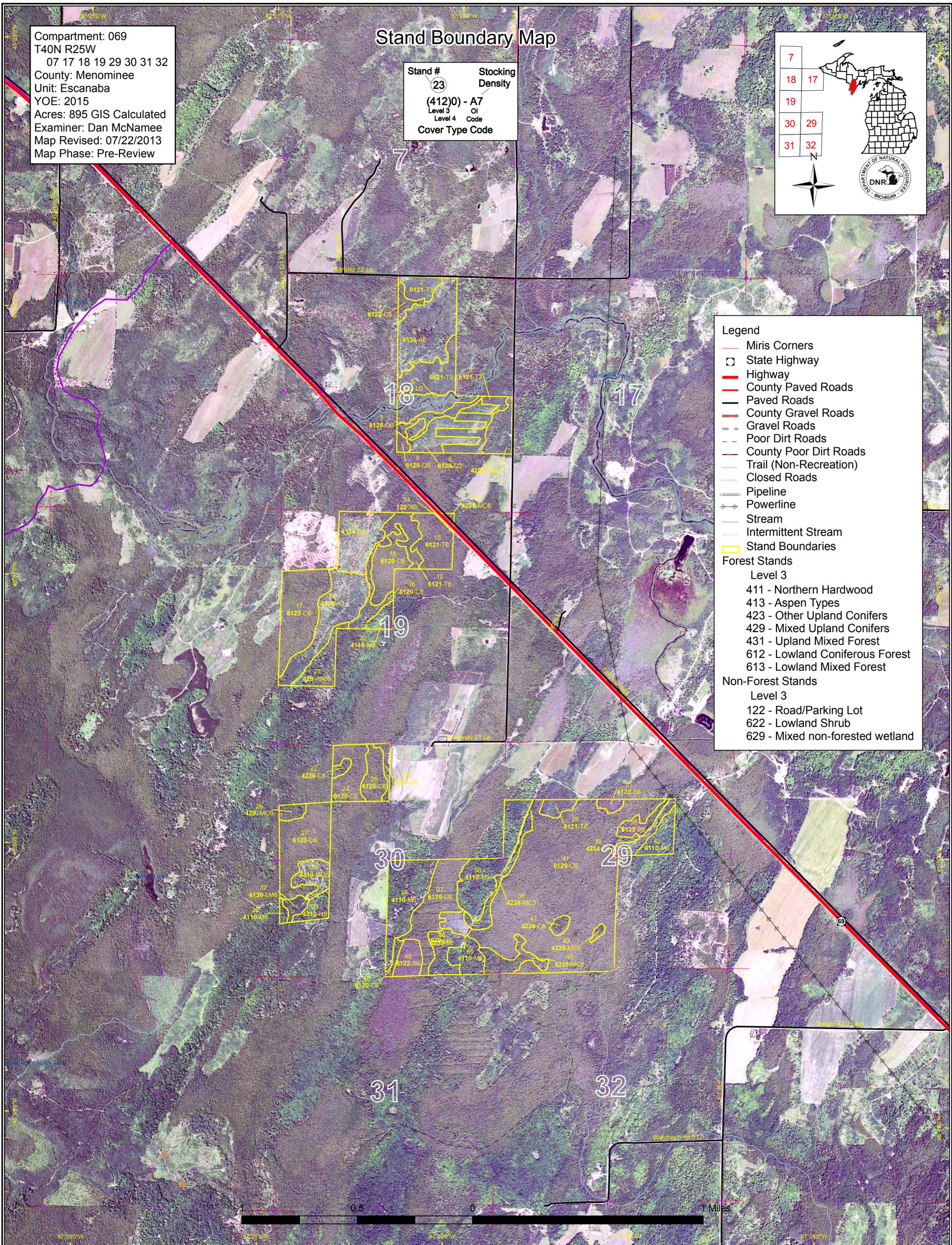
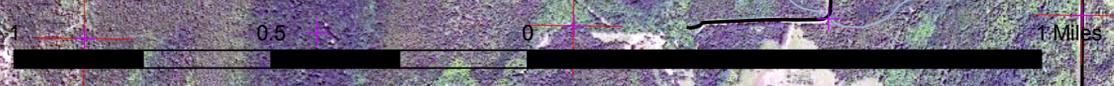
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Non-Forest Stands

Level 3

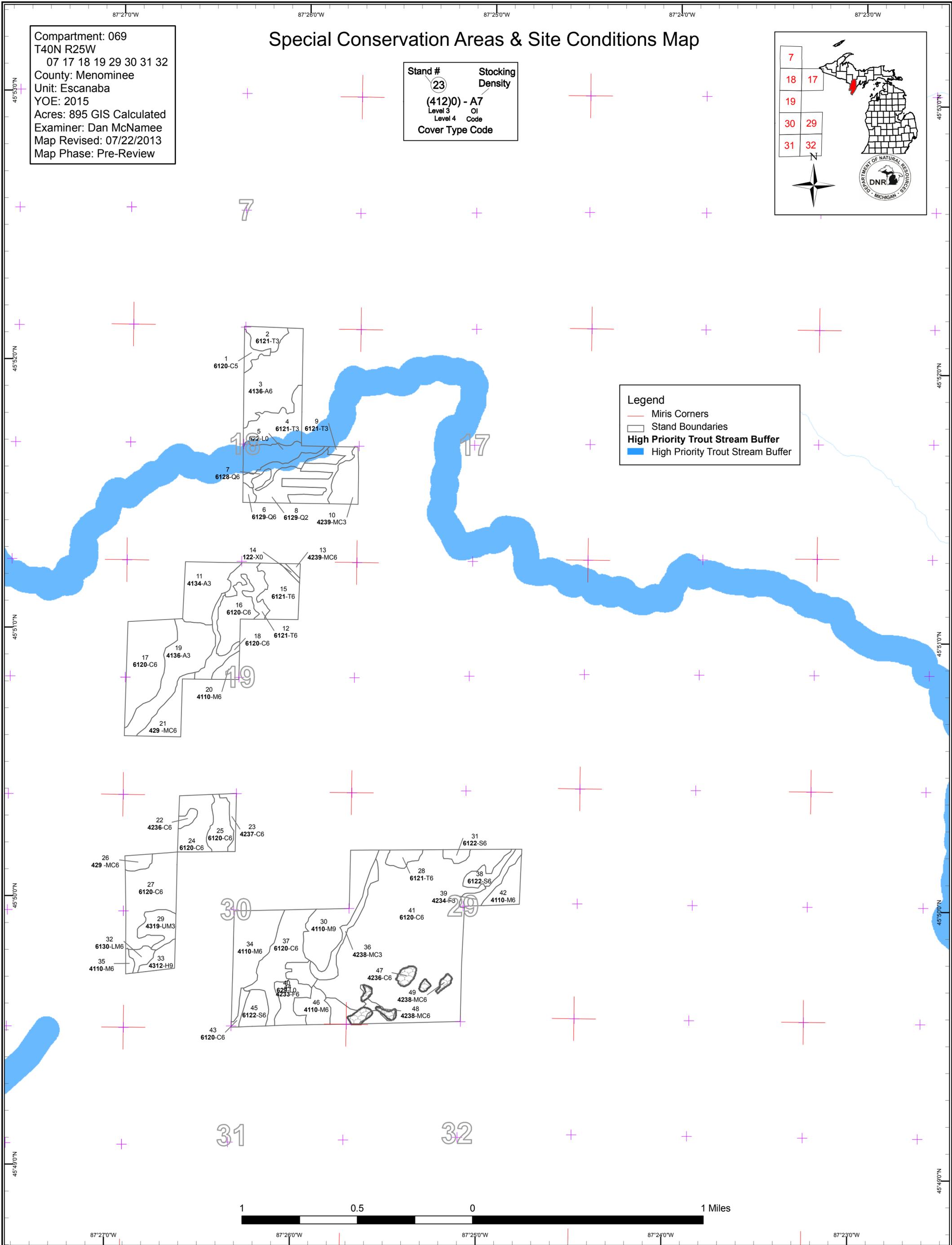
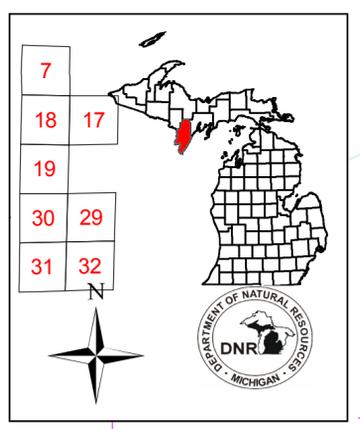
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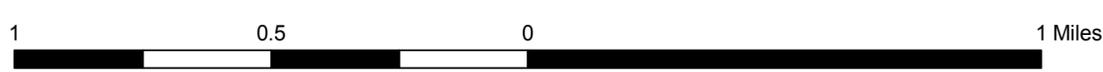
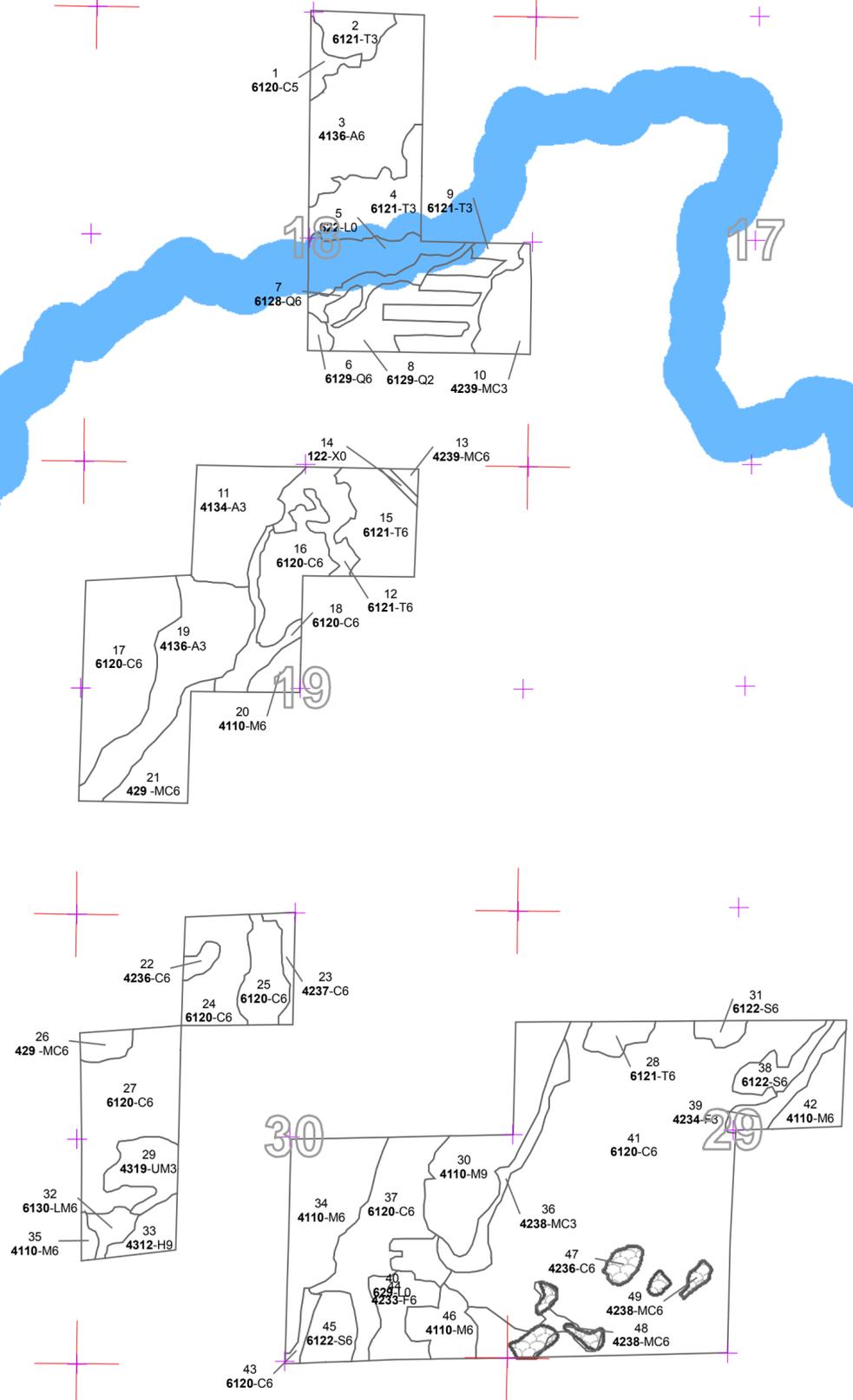
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 YOE: 2015
 Acres: 895 GIS Calculated
 Examiner: Dan McNamee
 Map Revised: 07/22/2013
 Map Phase: Pre-Review

Special Conservation Areas & Site Conditions Map

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



Legend
 — Miris Corners
 □ Stand Boundaries
 High Priority Trout Stream Buffer
 High Priority Trout Stream Buffer



87°27'0"W 87°26'0"W 87°25'0"W 87°24'0"W 87°23'0"W

45°50'0"N
45°50'0"N
45°50'0"N
45°50'0"N
45°49'0"N

45°50'0"N
45°50'0"N
45°50'0"N
45°50'0"N
45°49'0"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	29	38	44	0	0	0	0	0	0	0	0	0	0	0	111
Cedar	0	0	0	0	0	0	0	0	0	0	352	58	0	0	410
Hemlock	0	0	0	0	0	0	0	0	0	0	8	0	0	0	8
Lowland Conifers	0	22	0	0	0	0	0	0	0	8	2	0	0	0	33
Lowland Mixed Forest	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Lowland Shrub	22	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	11	10	0	0	0	0	21
Northern Hardwood	0	0	0	0	0	0	0	96	6	0	0	0	0	0	101
Tamarack	0	0	49	0	0	0	6	0	0	34	0	0	0	0	89
Upland Conifers	0	0	25	0	0	0	0	0	0	13	21	1	0	0	60
Upland Mixed Forest	0	12	0	0	0	0	0	0	0	0	0	0	0	0	12
Upland Spruce/Fir	0	0	21	0	0	0	0	0	0	0	0	0	0	0	21
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	52	72	139	5	0	0	6	96	17	65	384	59	0	0	895



Report 2 – Proposed Treatment Summaries

Escanaba Mgt. Unit
Year of Entry 2015

Compartment 069
Total Compartment Acres: 895

Acres by Treatment Type

Commercial Harvest - 174 Tree Planting - 0 Other - 0
 Habitat Cut - 0 Opening Maintenance - 0

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Lowland Coniferous Forest	74	0	10	0	10	0	94
Northern Hardwood	0	54	0	0	0	0	54
Other Upland Conifers	0	0	0	0	18	0	18
Upland Mixed Forest	0	8	0	0	0	0	8
Total	74	62	10	0	28	0	174



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	33069006-Cut	2.3	6129 - Mixed Coniferous Lowland Forest	High Density Pole	100		Harvest	Clearcut	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Clear cut no reserves.										
<u>Specs:</u>										
<u>Other</u> Small area, 2-3 acre patch with mature timber (P, Fs and T), Best access is from the SW through private land.										
<u>Comments:</u>										
<u>Next</u> Acceptable regen spp.= P, T, Fs, Fb and C. Regeneration check per work instructions.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
7	33069007-Cut	8.1	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	90		Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Mix of high and low ground, High ground contains Fb, Fs, A, Low ground contains T, Fs, and C. Clear cut and mark some green trees to leave.										
<u>Specs:</u>										
<u>Other</u> Balsam and Spruce contain budworm and the Tamarack is showing signs of decline.										
<u>Comments:</u>										
<u>Next</u> Acceptable regen spp = A, Fb, Fs, T and C. Regeneration check per work instructions.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
12	33069012-Cut	12.8	6121 - Tamarack	High Density Pole	95		Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Clear cut leaving small patches or small groups of 10-12 trees marked with green paint.										
<u>Specs:</u>										
<u>Other</u> Tamarack is showing signs of decline. Larch beetle is in the area and will probably infest this stand before it is treated.										
<u>Comments:</u>										
<u>Next</u> Acceptable regen spp = T, Fsb and C. Regeneration check per work instructions.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
13	33069013-Cut	1.3	42390 - Mixed Non- Pine Upland Conifers	High Density Pole	111		Harvest	Crown Thinning	6124 - Lowland Spruce-Fir	Cmpt. Review Proposal
<u>Prescription</u> Remove the short lived spp that are mature = A, Fb, Fs, Wb and T. Care and signing along Felch Grade will be needed when harvesting occurs.										
<u>Specs:</u>										
<u>Other</u> This stand is small and lies just north of the Felch Grade snowmobile trail. It contains mature timber. Harvest this stand when stands south of M-69 are harvested.										
<u>Comments:</u>										
<u>Next</u> Acceptable regen spp = A, Fb, Fs, T, P and Wb.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
15	33069015-Cut	21.3	6121 - Tamarack	High Density Pole	95		Harvest	Clearcut with Reserves	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
<u>Prescription</u> Clearcut with Reserves. Leave patches in the heavier cedar areas or mark small groups (10 -12 trees) scattered throughout the stand.										
<u>Specs:</u>										
<u>Other</u> Area is heavier to T and Fs. Cedar is poor quality and shows some signs of decline in tops. There are patches of heavier cedar.										
<u>Comments:</u>										
<u>Next</u> Acceptable regen spp = T, Fs, and C. Regencheck per work instructions.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
18	33069018-Cut	9.5	6120 - Lowland Cedar	High Density Pole	110		Harvest	Crown Thinning	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Harvest the overmature T, Fs, P and Wb. Leave the areas of heavy Cedar.										
<u>Specs:</u>										
<u>Other</u> Some areas within this stand contain patches of heavy Cedar and other areas are heavy with the shorter lived spp.										
<u>Comments:</u>										
<u>Next</u> Acceptable spp = A, P, Fb, Fs, T and Wb. Regen check according to work instructions.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
20	33069020-Cut	5.8	4110 - Sugar Maple Association	High Density Pole	80	81-110	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Single tree selection, residual BA = 70 -80. this is not a regen cut, this cut is improving the stand quality.										
<u>Specs:</u>										
<u>Other</u> Nice northern hardwood stand, just getting into the sawlog size.										
<u>Comments:</u>										
<u>Next</u> continue to monitor the stand quality, next time its treated, some canopy gaps can be created to encourage regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
23	33069023-Cut	4.2	42370 - Upland Cedar, Aspen	High Density Pole	106		Harvest	Crown Thinning	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Remove the short-lived spp = A, P, T, Fb, Fs and Wb. Will have to harvest some cedar to allow the logger to move around. Harvest cedar that only needs to be removed to fell designated spp.										
<u>Specs:</u>										
<u>Other</u> This area is a transition from the field to the swamp. Short-lived spp . are overmature.										
<u>Comments:</u>										
<u>Next</u> Acceptable regen= A, Fb, Fs, T, P, and Wb. Rengen check according to work instructions.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
25	33069025-Cut	12.8	6120 - Lowland Cedar	High Density Pole	106		Harvest	Clearcut with Reserves	6132 - Mixed Lowland Forest with Cedar	Cmpt. Review Proposal

Prescription Clearcut with Reserves= leave patches or mark leave clumps with 10 - 12 trees/clump mostly in the heavy cedar areas.

Specs:

Other Tamarack and spruce are declining. There are some areas that are heavier to cedar which could be left as retention.

Comments:

Next Acceptable regen = T, Fs and cedar. Regen check according to work instructions.

Steps:

Proposed

Start Date: 10/01/2014

28	33069028-Cut	5.8	6121 - Tamarack	High Density Pole	61		Harvest	Clearcut	6129 - Mixed Coniferous Lowland Forest	Cmpt. Review Proposal
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Prescription Clearcut = remove all merchantable timber.

Specs:

Other This stand is a mix of decent merchantable tamarack to the west and south. The east and north contain 3-5" dbh size timber.

Comments:

Next Regen check per work instructions. Acceptable regen spp = T, Fs and C.

Steps:

Proposed

Start Date: 10/01/2014

31	33069031-Cut	3.4	6122 - Black Spruce	High Density Pole	85		Harvest	Clearcut	6122 - Black Spruce	Cmpt. Review Proposal
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Prescription Clear Cut=remove all merchantable trees.

Specs:

Other Spruce type not as thick as stand to the east (39) but contains mature spruce that should be harvested.

Comments:

Next Acceptable regen = Fs, T and C. Regen check per work instructions.

Steps:

Proposed

Start Date: 10/01/2014

33	33069033-Cut	7.7	4312 - Hemlock, Mixed Deciduous	High Density Log	108		Harvest	Group Selection	4312 - Hemlock, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Group Selection removing most of the other spp other than hemlock. Leave some wildlife/ legacy trees. Some hemlock will have to be harvested to remove the other spp.

Specs:

Other Some large diam. sugar maple. Lots of sugar maple regen in the open areas, some browsed but most is making it.

Comments:

Next Regen check per work instructions. Acceptable regen spp = Sm, Wb, Fs, Fb and H.

Steps:

Proposed

Start Date: 10/01/2014

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
34 33069034-Cut	35.0	4110 - Sugar Maple Association	High Density Pole	76	51-80	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Salvage cut- Only treat this stand if EAB is found. Salvage most of the white ash and green ash. Remove other spp only to remove the ash.
Specs:

Other Stand was treated in 2009. Stand contains a fair amount of ash component.
Comments:

Next Leave stand as is unless EAB moves into the area. If treated do a regen check per work instructions. Acceptable spp = Sm, Wb, A, Fb and Fs.
Steps:

Proposed
Start Date: 10/01/2014

35 33069035-Cut	1.8	4110 - Sugar Maple Association	High Density Pole	78	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
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Prescription Select cut by removing the ash, balsam fir, spruce, most of the white birch. selectively mark the S. maple, leave the hemlock and beech.
Specs:

Other Mix of 6 -12" dbh s. maple with 9-12" dbh ash and Scattered 9-10" white birch, hemlock, cherry, balsam fir and spruce.
Comments:

Next monitor this stand and create regen gaps next time around if hardwood starts to regen after this cut.
Steps:

Proposed
Start Date: 10/01/2014

38 33069038-Cut	7.5	6122 - Black Spruce	High Density Pole	85		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
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Prescription Clearcut- leave a few good quality seed trees along the edges, especially the west edge.
Specs:

Other Tamarack has been infected by the ELB. Spruce is older and will probably end up with the Spruce budworm.
Comments:

Next Regen check per work instructions. Acceptable regen spp = Fs, T and C.
Steps:

Proposed
Start Date: 10/01/2014

42 33069042-Cut	11.4	4110 - Sugar Maple Association	High Density Pole	78	81-110	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
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Prescription Select cut- thin down to a residual BA of 60 - 80.
Specs:

Other Borderline to harvest but as long as stands to the west are being treated, this stand could use a light thinning to improve the quality of the stand.
Comments:

Next Acceptable spp should they regenerate= any northern hardwood spp.
Steps:

Proposed
Start Date: 10/01/2014

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
45 33069045-Cut	10.1	6122 - Black Spruce	High Density Pole	93		Harvest	Seed Tree with Reserves	6139 - Mixed Lowland Forest	Cmpt. Review Proposal

Prescription: Seed tree leaving clumps of 10-12 trees of all spp. Strips that were harvested earlier will be retained.

Specs:

Other: Area was strip cut in 1973, these strips filled in with black spruce.

Comments:

Next Steps: Regen Check per work instructions. Acceptable regen = T, Fs, Wp, Fb and C.

Proposed

Start Date: 10/01/2014

48 33069048-Cut	12.8	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	96	111-140	Harvest	Crown Thinning	4312 - Hemlock, Mixed Deciduous	Cmpt. Review Proposal
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Prescription: Remove the short lived spp. Remove some hemlock so contractor is able to fell designated spp.

Specs:

Other: primarily a hemlock ridge. west side contains more hardwood, middle is more hemlock, east side has blowdown of Fb and where it blown down

Comments: some Fb is filling in.

Next Steps: Monitor regeneration success and if hemlock is present in understory continue to open stand to allow recruitment of the hemlock. Acceptable

Regen = H, Wp, Sm, Fb Fs and Wb.

Proposed

Start Date: 10/01/2014

**Total Treatment
Acreage Proposed: 173.6**



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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!

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

**Total Treatment
Acreage Proposed: 0**

Report 5 – Site Conditions

Escanaba Mgt. Unit
Dan McNamee : Examiner

Compartment 069
Year of Entry 2015

Availability for Management

Availability for Management			Dominant Site Conditions	
Total Acres	Acres Available	Acres Not Available		No
111	111		Aspen	111
410	410		Cedar	410
8	8		Hemlock	8
33	33		Lowland Conifers	33
5	5		Lowland Mixed Forest	5
21	21		Lowland Spruce/Fir	21
101	101		Northern Hardwood	101
89	89		Tamarack	89
60	60		Upland Conifers	60
12	12		Upland Mixed Forest	12
21	21		Upland Spruce/Fir	21
871	871		Total Forested Acres	871
	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
Unspecified Comments	Other SCA		SCA Removal	1.0
Unspecified Comments	Potential Old Growth		SCA Removal	1.1
Unspecified Comments	Potential Old Growth		SCA Removal	1.5
Unspecified Comments	Potential Old Growth		SCA Removal	1.6
Unspecified Comments	Potential Old Growth		SCA Removal	3.0
Unspecified Comments	Potential Old Growth		SCA Removal	3.2
Upland island in swamp. predominately upland cedar with Wb, Fsw, Rm. Heavy pockets of Fb.				



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.
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.

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Escanaba Mgt. Unit

Report 8 – Forested Stands

Compartment: 069
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	Medium Density Pole	4.7	111		All trees were cut except pine, cedar, hemlock and some black spruce were green treed. Overstory is 50-75% canopy but with the black spruce and tamarack regen it could be called 75-100%. Cut in 1989.
2	6121 - Tamarack	High Density Sapling	9.3	25		Cut in 1988.
3	4136 - Aspen, Mixed Conifer	High Density Pole	44.0	25		Treated in 1988.
4	6121 - Tamarack	High Density Sapling	23.1	25		
6	6129 - Mixed Coniferous Lowland Forest	High Density Pole	2.3	100		
7	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	8.1	90		
8	6129 - Mixed Coniferous Lowland Forest	Medium Density	22.4	11		Treated in 2002. East side has better regen than west. To much cedar was left in the west part.
9	6121 - Tamarack	High Density Sapling	16.9	24		
10	42390 - Mixed Non- Pine Upland Conifers	High Density Sapling	13.6	24		Residual Wp, H, and C. Fully stocked with Wp, Fs, Fb.
11	4134 - Aspen, Spruce/Fir	High Density Sapling	28.9	3		Treated in 2010. Primarily a sapling stand with residual larger timber left.
12	6121 - Tamarack	High Density Pole	12.8	95		
13	42390 - Mixed Non- Pine Upland Conifers	High Density Pole	1.3	111		
15	6121 - Tamarack	High Density Pole	21.3	95		
16	6120 - Lowland Cedar	High Density Pole	19.9	108		Small stunted cedar 1-2 sticks,
17	6120 - Lowland Cedar	High Density Pole	41.1	111		
18	6120 - Lowland Cedar	High Density Pole	9.5	110		
19	4136 - Aspen, Mixed Conifer	High Density Sapling	38.3	14		Residual balsam, cedar and Wp were left throughout the stand. Stand is a aspen sapling stand with residual.

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Escanaba Mgt. Unit

Report 8 – Forested Stands

Compartment: 069
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	4110 - Sugar Maple Association	High Density Pole	5.8	80	81-110	
21	429 - Mixed Upland Conifers	High Density Pole	15.2	105	81-110	More upland than lowland. Treated in 1995, Slaga ridge sale. Basically 4 stands. Treat next time.
22	42360 - Upland Cedar	High Density Pole	2.6	106		Most of the balsam and spruce has fallen over, Stand is only 3-4 ac, not worth the trouble to access it.
23	42370 - Upland Cedar, Aspen	High Density Pole	4.2	106		
24	6120 - Lowland Cedar	High Density Pole	19.3	106		Small upland stand in SW corner.
25	6120 - Lowland Cedar	High Density Pole	12.8	106		
26	429 - Mixed Upland Conifers	High Density Pole	4.6	103		Most of the Fb and Fs is dead. Access is from the west through private.
27	6120 - Lowland Cedar	High Density Pole	39.6	106		Small poor quality cedar, 1-2 sticks, some areas the tops are dying, heavy to Fb and tag alder in the understory.
28	6121 - Tamarack	High Density Pole	5.8	61		
29	4319 - Mixed Upland Forest	High Density Sapling	11.7	12		Super canopy of residual hemlock and cedar that was left during harvest. Mostly a mix of balm and aspen.
30	4110 - Sugar Maple Association	High Density Log	35.9	76	81-110	S. maple regen is being browsed.
31	6122 - Black Spruce	High Density Pole	3.4	85		
32	6130 - Fir, Aspen, Maple	High Density Pole	4.7	32		Stand was cut in 1981 after a wind event.
33	4312 - Hemlock, Mixed Deciduous	High Density Log	7.7	108		
34	4110 - Sugar Maple Association	High Density Pole	35.0	76	51-80	
35	4110 - Sugar Maple Association	High Density Pole	1.8	78	111-140	
36	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Sapling	11.0	26		Treated in 1987.

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Escanaba Mgt. Unit

Report 8 – Forested Stands

Compartment: 069
Year of Entry: 2015

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
37	6120 - Lowland Cedar	High Density Pole	33.7	105		Area was treated in 1973. Strips were cut in E-W pattern. Strips regenerated to P, E, Fb and Fs in the north, south strips are balsam and Spruce 10-15' tall.
38	6122 - Black Spruce	High Density Pole	7.5	85		
39	42340 - Upland Spruce/Fir	High Density Sapling	8.1	20		Small fringe along bottom of ridge. Heavy to Fb, Wp, A in different areas of the stand.
41	6120 - Lowland Cedar	High Density Pole	217.0	103		Poor quality cedar, 1 - 3 sticks, 6" dbh.
42	4110 - Sugar Maple Association	High Density Pole	11.4	78	81-110	
43	6120 - Lowland Cedar	High Density Pole	2.7	111		Strip cut, tag alder, balsam fir, tamarack.
44	42330 - Upland Fir	High Density Pole	13.3	26		Treated in 1987. Primarily Spruce/fir. Pockets of A, P, Sm, Rm. There is also scattered C, H and Wp.
45	6122 - Black Spruce	High Density Pole	10.1	93		
46	4110 - Sugar Maple Association	High Density Pole	11.4	78	51-80	Treated in 2009.
47	42360 - Upland Cedar	High Density Pole	3.2	105		Upland island in swamp. predominately upland cedar with Wb, Fsw, Rm. Heavy pockets of Fb.
48	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	12.8	96	111-140	
49	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	1.6	103		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	6220 - Alder/willow	16.2	N/A	Unspecified	
14	122 - Road/Parking Lot	1.0	N/A	Unspecified	
40	629 - Mixed non-forested wetland	6.2	N/A	Unspecified	