



**Gwinn Forest Management Unit
Compartment Review Presentation
Compartment 68 Entry Year: 2013
Compartment Acreage: 1, 910 County: Marquette**

Revision Date: 08/18/11

Stand Examiner: Kevin LaBumbard

Legal Description: T43N R25W Section(s) 19, 20, 21

RMU (if applicable): Ralph Ground Moraine Management Area

Management Goals: To improve the quality and diversity of State forests and wildlife through proper habitat management, while protecting the riparian values of our wetlands and waters.

Soil and Topography: Rubicon, Croswell, Kalkaska, Paquin, and Au Gres sand, Alcona loamy very fine sand, Pence fine sandy loam, Carbondale and Tawas mucks, Greenwood and Dawson soils, Emmet-Escanaba complex, Croswell-Deford complex, Garlic-Fence complex. Terrain is flat to gently rolling slopes.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is surrounded by additional State land to the north, east and south, with corporate land to the west.

Unique, Natural Features: Potential for osprey, eagle, and great blue heron rookery. Potential for red-shouldered hawk and goshawk. Potential for moose and wolf. Potential for wood turtle in Lone Pine River. Potential for frigga fritillary, freija fritillary, and red-disked alpine in bogs. Potential for round-leaved orchis, calypso, ram's head lady's slipper, marsh grass-of-Parnassass, and limestone oak fern in Cedar Swamps. Potential for auricled tway-blade, western dock, veiny meadow-rue, and linear-leaved gentian along riparian areas. Potential for Farwell's water-milfoil and alternate-leaved water-milfoil in shallow lakes. Potential for purple clematis in dry-mesic conifer stands. Potential for Assiniboia sedge and goblin moonwort in mature northern hardwoods.

Archeological, Historical, and Cultural Features: Old logging grades and associated logging camp sites throughout this compartment. No areas of concern.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: Lindsey Creek, Lone Pine Creek

Wildlife Habitat Considerations: Protect and/or enhance white pine, hemlock, cedar, and spruce, and strive to increase diversity for wildlife. Maintain the best age class diversity in aspen. Strive to increase within-stand diversity in aspen by utilizing retention guidelines and other strategies that provide the best combination of food and cover for wildlife. Within Special Conservation Areas maintain large closed canopy conifer that provide snow intercept and cover, mature forest structure and protection for wildlife corridors and protect riparian areas. Maintain large openings for wildlife and enhance using techniques which attract species such as deer, turkey, woodcock and grouse. Diversity of habitat types in this compartment offers a variety of hunting, trapping, and wildlife viewing opportunities.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and medium-textured till. There is insufficient data to determine the glacial drift thickness. The Ordovician Prairie du Chien Group subcrops below the glacial drift. This formation could be used for stone. Several gravel pits are located in this area and there may be some potential on the upland areas. Abandoned iron mines are located ten miles to the north. Sections 18 and 19 are currently leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: Generally very good from Co. Rd 557 and the Little West Road.

Survey Needs: none

Recreational Facilities and Opportunities: This area receives heavy public hunting pressure for ruffed grouse and whitetail deer.

Fire Protection: Low to moderate wildfire potential

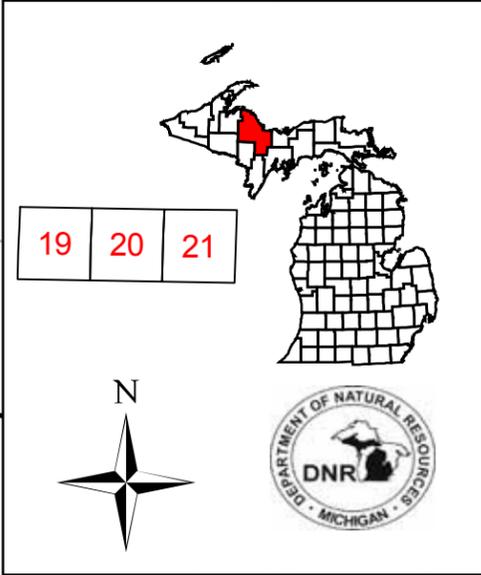
Additional Compartment Information:

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**
 - ◆ **Suggested potential old growth**

Cover Type & Treatment Map

Compartment 68
 T43N, R25W, Sec. 19, 20, 21
 County: Marquette
 Unit: Gwinn
 YOY: 2013
 Acres: 1,910 GIS Calculated
 Stand Examiner: Kevin LaBumbard
 Map Revised: 8/23/2011
 Map Phase: Pre-Review



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

Legend

- Miris Corners
- Remonumented Section Corners
- Paved Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Pipe
- Power
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Snowmobile Trail
- Snowmobile Trails

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)
- Prescribed Burn

Forest Stands

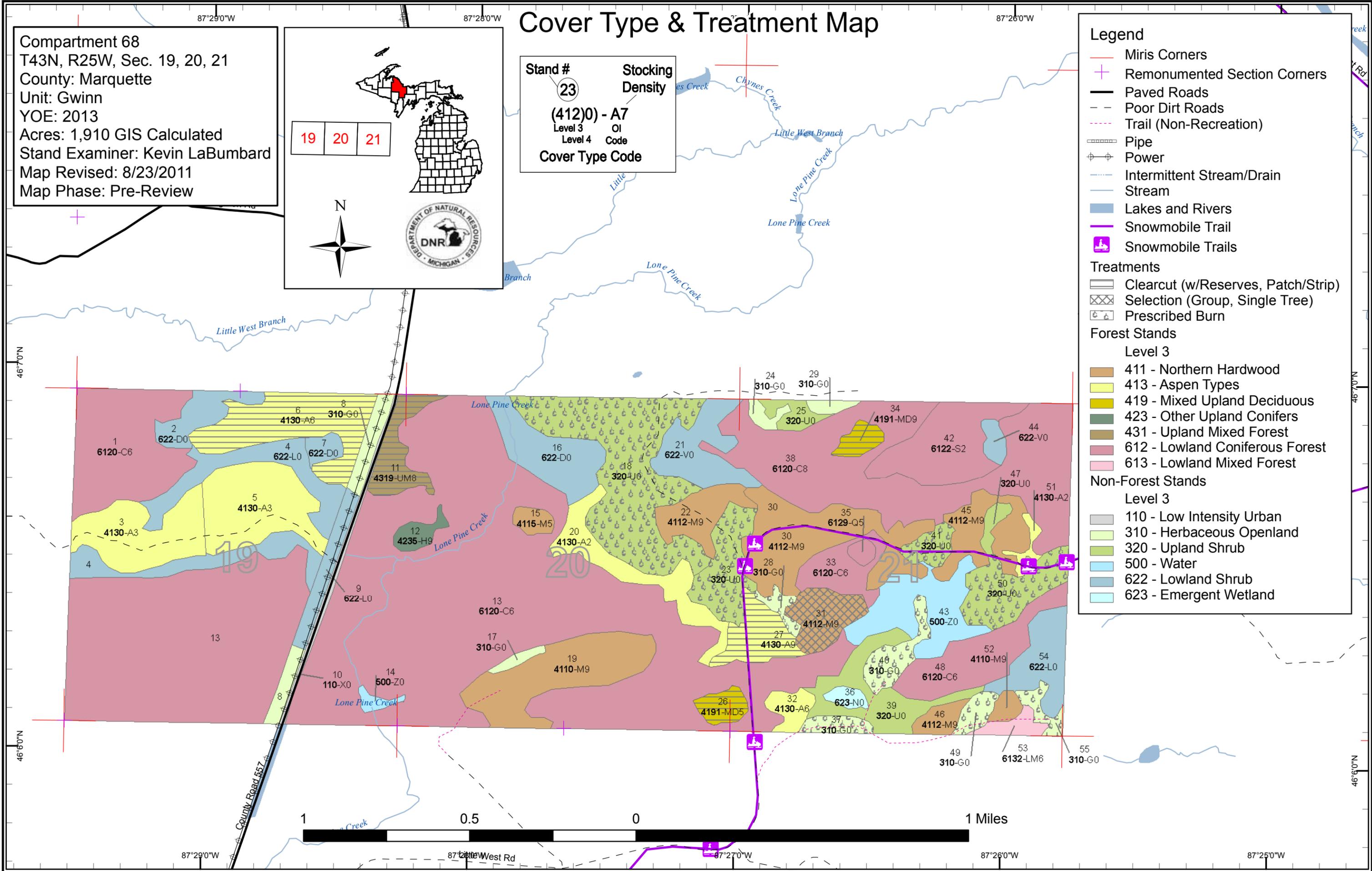
Level 3

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

Non-Forest Stands

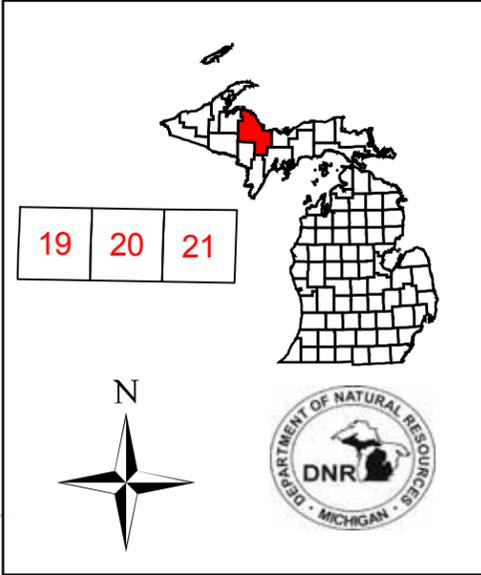
Level 3

- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



Dedicated & Proposed Special Conservation Area Map

Compartment 68
 T43N, R25W, Sec. 19, 20, 21
 County: Marquette
 Unit: Gwinn
 YOY: 2013
 Acres: 1,910 GIS Calculated
 Stand Examiner: Kevin LaBumbard
 Map Revised: 8/23/2011
 Map Phase: Pre-Review



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

Legend

- Miris Corners
- + Remonumented Section Corners
- Stand Boundaries
- Proposed Special Conservation Areas
- ▨ SCA - Special Conservation Area
- Dedicated Special Conservation Areas
- Cold Water Streams

Forest Stands

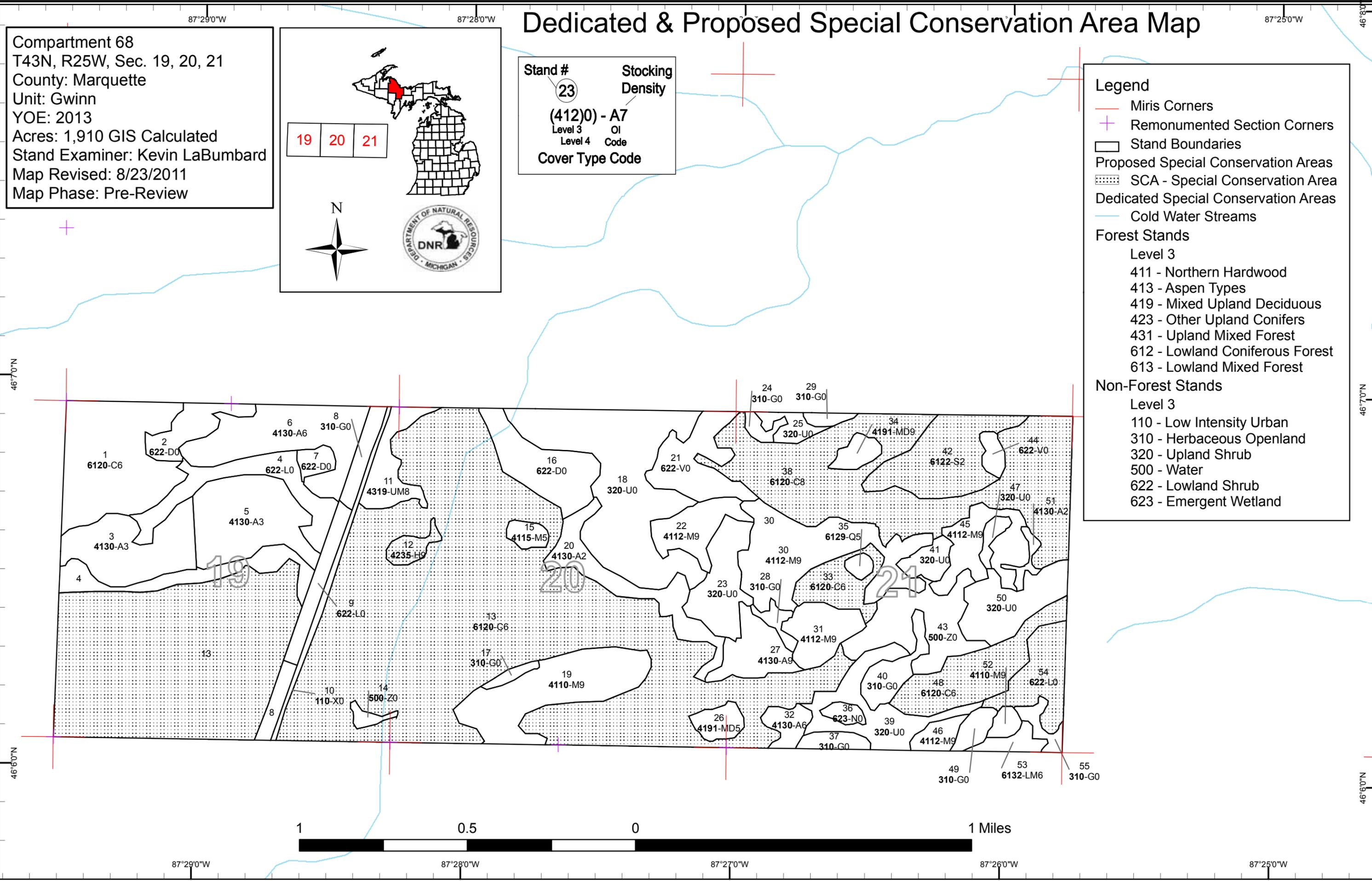
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 431 - Upland Mixed Forest
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- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



87°29'0"W 87°28'0"W 87°27'0"W 87°26'0"W 87°25'0"W

Table 1 – Total Acres by Cover Type and Age Class

Kevin LaBumbard : Examiner



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Unretn Age
Aspen	0	52	0	72	8	70	0	0	0	0	0	0	0	0	0	203
Bog	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Cedar	0	0	0	0	0	0	0	0	0	0	0	723	145	57	0	925
Hemlock	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6
Herbaceous Openland	62	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7
Lowland Shrub	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92
Lowland Spruce/Fir	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	42
Marsh	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	7	8	0	0	0	0	0	15
Northern Hardwood	0	0	0	0	0	0	0	0	0	45	148	0	0	0	0	193
Treed Bog	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
Upland Mixed Forest	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	18
Upland Shrub	202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	202
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Water	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Total	498	52	0	72	8	70	42	18	7	53	152	736	145	57	0	1910



Table 2 – Proposed Treatment Summaries

Gwinn Mgt. Unit
Year of Entry 2013

Compartment 068
Total Compartment Acres: 1910

Acres by Treatment Type

Commercial Harvest - 123	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 196	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	70	0	0	0	0	0	70
Mixed Upland Deciduous	15	0	0	0	0	0	15
Northern Hardwood	0	20	0	0	0	0	20
Upland Mixed Forest	18	0	0	0	0	0	18
Total	104	20	0	0	0	0	123



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	32068006-Cut	50.1	4130 - Aspen	High Density Pole	40	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> Clearcut all species retaining any white pine if present.									
<u>Specs:</u>									
<u>Other</u> Nice aspen pole stand with fir and white spruce. Approx 40 ba of aspen poles.									
<u>Comments:</u>									
<u>Next</u> Monitor regeneration per work instructions.									
<u>Steps:</u>									
11	32068011-Cut	18.3	4319 - Mixed Upland Forest	Medium Density Log	65	Harvest	Clearcut with Reserves	4137 - Aspen, Birch	Cmpt. Review Proposal
<u>Prescription</u> Clearcut the aspen, fir, black spruce and soft maple. Retain the birch component.									
<u>Specs:</u>									
<u>Other</u> A mix of aspen, balsam fir, black spruce and white birch. Contains and old opening filling in with the mentioned species. Final harvest retaining									
<u>Comments:</u> the white birch.									
<u>Next</u> Monitor regen per Work Instructions.									
<u>Steps:</u>									
26	32068026-Cut	8.3	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	80	Harvest	Clearcut with Reserves	4113 - R.Maple, Conifer	Cmpt. Review Proposal
<u>Prescription</u> Clearcut the stand leaving the hemlock and any white pine which may be present. Retain all legacy trees if found.									
<u>Specs:</u>									
<u>Other</u> Former fir/red maple stand, most of the fir is dead and down. Also starting to lose the white birch. Red maple is of poor quality. Stand contains									
<u>Comments:</u> pockets of large hemlock with a few scattered yellow birch and white pine. Average stand ba is 80. The s									
<u>Next</u> Monitor regen per Work Instructions. Any species mix will be considered acceptable regeneration.									
<u>Steps:</u>									
27	32068027-Cut	20.2	4130 - Aspen	High Density Log	44	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Clearcut all species except white birch.									
<u>Specs:</u>									
<u>Other</u> Mature 4-6 stick aspen with white spruce, fir, and white birch. Approximately 70 ba of aspen. Harvest plans will retain the white birch.									
<u>Comments:</u>									
<u>Next</u> Monitor regeneration per Work Instructions.									
<u>Steps:</u>									
31	32068031-Cut	19.8	4112 - Maple, Beech, Cherry Association	High Density Log	88	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> This stand will be scheduled for a selection harvest to improve overall stand quality yet retain species diversity, conifer content, and wildlife									
<u>Specs:</u> attributes. Select cut the stand, concentrating in the poletimber class. Retain most of the cherry, and ye									
<u>Other</u> Mixed sugar maple and red maple stand with cherry and yellow birch. There is one small area of browsed sugar maple regeneration from the									
<u>Comments:</u> treatment in 1993 while the remainder of the stand has none. Occasional super-canopy white spruce.									
<u>Next</u> Monitor regen per Work Instructions.									
<u>Steps:</u>									



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
34	32068034-Cut	6.6	4191 - Mixed Upland Deciduous with Conifer	High Density Log	79	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> Cut all species retaining the white birch component.									
<u>Specs:</u>									
<u>Other Comments:</u> Former P.O.G. nomination. Recommend removal from SCA status. Stand consists of an upland island of aspen/birch/fir surrounded by lowland cedar.									
<u>Next Steps:</u> Monitor regen per Work Instructions. Aspen and fir are acceptable species.									
18	NF_32068018-Burn	95.2	4110 - Sugar Maple Association		95	Prescribed Burn	Unspecified	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Work with FMD Fire Officers on burn plan.									
<u>Specs:</u>									
<u>Other Comments:</u>									
<u>Next Steps:</u> Monitor for results and success.									
23	NF_32068023-Burn	26.8	Non-Forested		0	Prescribed Burn	Unspecified	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Work with FMD Fires Specialists on burn plan.									
<u>Specs:</u>									
<u>Other Comments:</u>									
<u>Next Steps:</u> Monitor results and success.									
28	NF_32068028-Burn	4.5	Non-Forested		0	Prescribed Burn	Unspecified	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Work with FMD Fire Specialist on burn plan.									
<u>Specs:</u>									
<u>Other Comments:</u>									
<u>Next Steps:</u> Monitor results and level of success.									
37	NF_32068037-Burn	6.3	Non-Forested		0	Prescribed Burn	Unspecified	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Work with FMD Fire Specialist to develop burn plan.									
<u>Specs:</u>									
<u>Other Comments:</u>									
<u>Next Steps:</u> Monitor results.									
40	NF_32068040-Burn	13.1	Non-Forested		0	Prescribed Burn	Unspecified	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Work with FMD Fire Specialists to develop burn plan.									
<u>Specs:</u>									
<u>Other Comments:</u>									
<u>Next Steps:</u> Monitor results.									



S t a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
41	NF_32068041- Burn	8.5	Non-Forested		0	Prescribed Burn	Unspecified	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Work with FMD Fires Specialists on burn plan.									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> Monitor results and level of success.									
<u>Steps:</u>									
49	NF_32068049- Burn	6.5	Non-Forested		0	Prescribed Burn	Unspecified	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Work with Fire Specialist to develop burn plan.									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> Monitor results.									
<u>Steps:</u>									
50	NF_32068050- Burn	29.5	Non-Forested		0	Prescribed Burn	Unspecified	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Work with FMD Fire Specialist on burn plan.									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> Monitor results and level of success.									
<u>Steps:</u>									
55	NF_32068055- Burn	5.9	Non-Forested		0	Prescribed Burn	Unspecified	3102 - Grass	Cmpt. Review Proposal
<u>Prescription</u> Work with Fire Specialist to develop burn plan.									
<u>Specs:</u>									
<u>Other</u>									
<u>Comments:</u>									
<u>Next</u> Monitor results.									
<u>Steps:</u>									
Total Treatment									
Acreage Proposed: 319.6									

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription
Specs:

Other
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

Total Treatment
Acreage Proposed: 0

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2013



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	High Density Pole	67.8	109		Lowland cedar with associated swamp conifers.
3	4130 - Aspen	High Density Sapling	41.4	22		Nice aspen sapling stand with scattered balsam fir.
5	4130 - Aspen	High Density Sapling	48.4	6		A3 1" saplings. Stand cut 2003 by K.B. enterprises (kevin Gartland) permit #01-03-01.
6	4130 - Aspen	High Density Pole	50.1	40		Nice aspen pole stand with fir and white spruce. Approx 40 ba of aspen poles.
11	4319 - Mixed Upland Forest	Medium Density Log	18.3	65		A mix of aspen, balsam fir, black spruce and white birch. Contains an old opening filling in with the mentioned species. Final harvest retaining the white birch.
12	42350 - Upland Hemlock	High Density Log	6.5	104		"Island" of large hemlock with red maple, yellow birch, balsam fir, and large white pine growing on a small upland hump in a cedar stand. Good fir regeneration in gaps under the red maple. Former potential old growth stand.
13	6120 - Lowland Cedar	High Density Pole	655.2	109		Large cedar stand with mixed swamp conifers and lowland hardwoods. Areas of dense tag alder in the understory, especially along Co. Rd. 557. Deer yard.
15	4115 - Y.Birch, Hemlock NH	Medium Density Pole	5.3	85	51-80	Small island of poorly stocked red maple poles with upland cedar, hemlock. Thick understory of 5-15' red maple saplings.
19	4110 - Sugar Maple Association	High Density Log	52.7	95	81-110	Good quality sugar maple stand with a few scattered basswood and yellow birch. 30 ba sm sawtimber, 70 ba pulp. Last treated in 2006 by Minerick under contract #02-03-01. No seedling regeneration from the last cutting, a few stump sprouts but they have been heavily browsed. Stand was underplanted May 2007 with approximately 7920 hemlock, 5500 white pine, and 3500 white spruce seedlings. I did not see any survival of these seedlings.
20	4130 - Aspen	Medium Density	30.4	24		Narrow strip of aspen and balsam fir saplings transitioning to poles. Scattered wp sawtimber. Borders a large grass opening.
22	4112 - Maple, Beech, Cherry Association	High Density Log	19.6	85	81-110	Fair to poor quality red maple pole stand. Fir removed in 1986. No hardwood regeneration evident in the understory.
26	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	8.3	80		Former fir/red maple stand, most of the fir is dead and down. Also starting to lose the white birch. Red maple is of poor quality. Stand contains pockets of large hemlock with a few scattered yellow birch and white pine. Average stand ba is 80. The stand is actually 2 upland islands separated by a narrow strip of lowland cedar. Area of interest will be the eastern "island" that abuts the Little West Rd.
27	4130 - Aspen	High Density Log	20.2	44	51-80	Mature 4-6 stick aspen with white spruce, fir, and white birch. Approximately 70 ba of aspen. Harvest plans will retain the white birch.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
30	4112 - Maple, Beech, Cherry Association	High Density Log	58.2	95		4 stick soft maple with occasional sugar maple and cherry. FTP # W32-679. 25,920 containerized hemlock seedlings and 1500 bare-root white pine seedlings were planted in stands 63 and 34 during May, 2007.
31	4112 - Maple, Beech, Cherry Association	High Density Log	19.8	88	111-140	Mixed sugar maple and red maple stand with cherry and yellow birch. There is one small area of browsed sugar maple regeneration from the treatment in 1993 while the remainder of the stand has none. Occasional super-canopy white spruce.
32	4130 - Aspen	High Density Pole	8.4	36		50-60 ba of aspen poles, 10ba fir. Scattered cherry and red maple. Hold for 10 years.
33	6120 - Lowland Cedar	High Density Pole	18.6	120		Cedar pole stand with associated swamp conifers over tag alder. Former POG nomination.
34	4191 - Mixed Upland Deciduous with Conifer	High Density Log	6.6	79	111-140	Former P.O.G. nomination. Stand consists of an upland island of aspen/birch/fir surrounded by lowland cedar.
35	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	3.1	90		Bog like tamarack and white pine stand with black spruce. Very wet.
38	6120 - Lowland Cedar	Medium Density Log	145.0	115		Short, variably stocked cedar with tamarack, black spruce, scattered lowland hardwoods over tag alder. Former P.O.G. nomination. Deer yard.
42	6122 - Black Spruce	Medium Density	41.9	51		Former POG nomination
45	4112 - Maple, Beech, Cherry Association	High Density Log	26.2	95	81-110	Fair red maple poles and sawtimber over balsam fir saplings. Fairly decent red maple stump sprouting from the harvest in 2004-2006 by Sheski. FTP # W32-679. 25,920 containerized hemlock seedlings and 1500 bare-root white pine seedlings were planted in stands 63 and 9 during May, 2007. I did not see evidence of any planted seedling survival.
46	4112 - Maple, Beech, Cherry Association	High Density Log	7.1	95	81-110	Fair quality hardwood stand. Thinned 2004 permit #4-03-01 LaFleur Logging. Heavily browsed cauliflower topped maple seedlings.
48	6120 - Lowland Cedar	High Density Pole	38.1	120		Former POG nomination.
51	4130 - Aspen	Medium Density	3.6	5		A3 from last cutting by Sheski under contract # 003-03-01.
52	4110 - Sugar Maple Association	High Density Log	4.3	95	81-110	Fair quality sugar maple stand with a few red maple. Light regeneration from the the cutting in the 80's. Thinned 2004 permit #4-03-01 LaFleur Logging. Knee high regen from the last cutting is being heavily browsed.
53	6132 - Mixed Lowland Forest with Cedar	High Density Pole	6.8	105		E5Q5 Black ash with cedar. Very wet.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	6224 - Treed Bog	15.8	No	Unspecified	black spruce bog
4	6220 - Alder/willow	53.7	No	Unspecified	Tag alder and willow.
7	6224 - Treed Bog	5.3	No	Unspecified	1-2" black spruce bog.
8	310 - Herbaceous Openland	16.1	Yes	Unspecified	powerline R.O.W.
9	622 - Lowland Shrub	14.0	No	Unspecified	Powerline R.O.W.
10	11 - Low Intensity Urban	9.4	Yes	Unspecified	Co. Rd 557.
14	50 - Water	3.0	No	Unspecified	
16	6224 - Treed Bog	32.3	No	Unspecified	Black spruce bog.
17	3102 - Grass	3.1	No	Unspecified	Wildlife created grass opening.
18	3205 - Mixed Upland Shrub	95.2	No	Unspecified	Large natural opening with cherry, white pine, black spruce, hemlock pockets, aspen, and sugar maple all of it individually or in clumps with some of everything everywhere.
21	6225 - Bog	29.1	No	Unspecified	Bog
23	3205 - Mixed Upland Shrub	26.8	No	Unspecified	Large opening with cherry and other hardwood shrubs.
24	310 - Herbaceous Openland	3.7	No	Unspecified	Part of a larger grass opening to the north.
25	320 - Upland Shrub	7.1	No	Unspecified	Cherry brush with fir along the south frindge. Heavy stocking of cherry.
28	310 - Herbaceous Openland	4.5	N/A	Unspecified	
29	310 - Herbaceous Openland	3.1	No	Unspecified	Part of a larger grass opening to the north.
36	623 - Emergent Wetland	4.0	No	Unspecified	Small marsh area.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
37	310 - Herbaceous Openland	6.3	No	Unspecified	Part of a larger natural grass opening with scattered upland brush.
39	3205 - Mixed Upland Shrub	30.5	No	Unspecified	Cherry brush, scattered aspen clones over grass.
40	310 - Herbaceous Openland	13.1	No	Unspecified	
41	3205 - Mixed Upland Shrub	8.5	No	Unspecified	Cherry brush, scattered aspen clones over grass.
43	50 - Water	38.1	No	Unspecified	Old beaver flooding with dead standing timber.
44	6225 - Bog	4.8	No	Unspecified	Former P.O.G nomination
47	3205 - Mixed Upland Shrub	4.1	No	Unspecified	Small opening surrounded by hardwoods.
49	3105 - Mixed Upland Herbaceous	6.5	No	Unspecified	Mixed small shrubs and grass.
50	3205 - Mixed Upland Shrub	29.5	No	Unspecified	Cherry brush, scattered aspen clones over grass.
54	622 - Lowland Shrub	24.8	No	Unspecified	Lowland brush along the drainage.
55	310 - Herbaceous Openland	5.9	No	Unspecified	



7 – 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.

Stand	SCA Type	SCA Name	Acres	Comments
12	Unique Site - SCA	32068012	6.5	SCA deer yard with true "old growth " potential. An "Island" of large hemlock with red maple, yellow birch, balsam fir, and large white pine growing on a small upland hump in a cedar stand. Good fir regeneration in gaps under the red maple. Former potential old growth stand.
13	Unique Site - SCA	32068013	655.2	SCA Deer yard. Large cedar stand with mixed swamp conifers and lowland hardwoods. Areas of dense tag alder in the understory, especially along Co. Rd. 557.
33	Unique Site - SCA	32068033	18.6	SCA Deer yard. Cedar pole stand with associated swamp conifers over tag alder. Former POG nomination.
38	Unique Site - SCA	32068038	145.0	SCA Deer yard. Short, variably stocked cedar with tamarack, black spruce, scattered lowland hardwoods over tag alder. Former P.O.G. nomination.
42	Unique Site - SCA	32068042	41.9	SCA Deer yard. Small diameter black spruce bog.
48	Unique Site - SCA	32068048	38.1	SCA deer yard. Former potential old growth stand. Lowland cedar.
54	Unique Site - SCA	NF_32068054	24.8	SCA Riparian and wildlife corridor.



8 – 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	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.