



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 61

Entry Year 2015

Acreage: 2,270

County Marquette

Management Area: Ralph Ground Moraine

Revision Date:

Stand Examiner: Kevin LaBumbard

Legal Description:

T43N R26W, Sections 4-9

Identified Planning 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:

Terrain ranges from level swamps and wetland drainages to rolling and slightly hilly uplands. Major soil types are Onaway fine sandy loam, Carbondale and Tawas soils, Emmet-Escanaba Complex, Onaway-Nadeau fine sandy loam.

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

This compartment contains private ownership in larger blocks with a fair amount of state land blocked by gated private access.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Large deer wintering complex.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Compartment 61 is found within the Ralph Ground Moraine Management Area; which is on Ground Moraines in northern Dickinson and southern Marquette Counties. The State Forest covers about 189,500 acres and is mostly contiguous. The dominant natural communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include aspen, northern hardwoods, and mixed lowland conifers. This management area provides multiple benefits to the public including forest products, dispersed recreational activities, and habitat for fish and wildlife species. The Ralph Ground Moraine is a very large management area that is dominated by State ownership. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. The lowland conifer stands should be managed to benefit wintering deer. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. This single management area represents 29% of the WUP's aspen resource and it is desirable to maintain this resource in a wide range of age classes. Some of the most significant wildlife management issues in the management area are: early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); coarse woody debris; and deer wintering complexes.

The following have been identified as featured species for the Ralph Ground Moraine Management Area: American Woodcock, Black Bear, Northern Goshawk, Ruffed Grouse, and Whitetail Deer. However, the featured species concept does not preclude the management for other wildlife species within a particular MA, rather it is simply intended to be as a tool to help prioritize or focus habitat management.

For lands purchased with Pittman–Robertson Act or Game and Fish funds, the primary objective of vegetative management must be wildlife restoration.

Mineral Resource and Development Concerns and/or Restrictions

Sections 4 - 9, T43N-R26W, Marquette County

Surface sediments consist of medium-textured till (drumlin area). There is insufficient data to determine the glacial drift thickness. The Cambrian Trempealeau Formation subcrops below the glacial drift, and could be used for stone. Several gravel pits are located in this area and there is potential especially the upland areas. Abandoned iron mines are located ten miles to the northeast. Sections 7 through 10 are leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Ross Grade is the primary road for access and is DNR maintained. Numerous 2-tracks are located in the compartment. Access to section 6 is blocked by a private gate with no state easement. Section 7 is accessed via Shultz Rd in Dickinson County.

Survey Needs:

None needed at this time.

Recreational Facilities and Opportunities:

This is a good hunting area but the general public is not well liked by the local camp owners.

Fire Protection:

This compartment has a low risk for fire and access is good.

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**

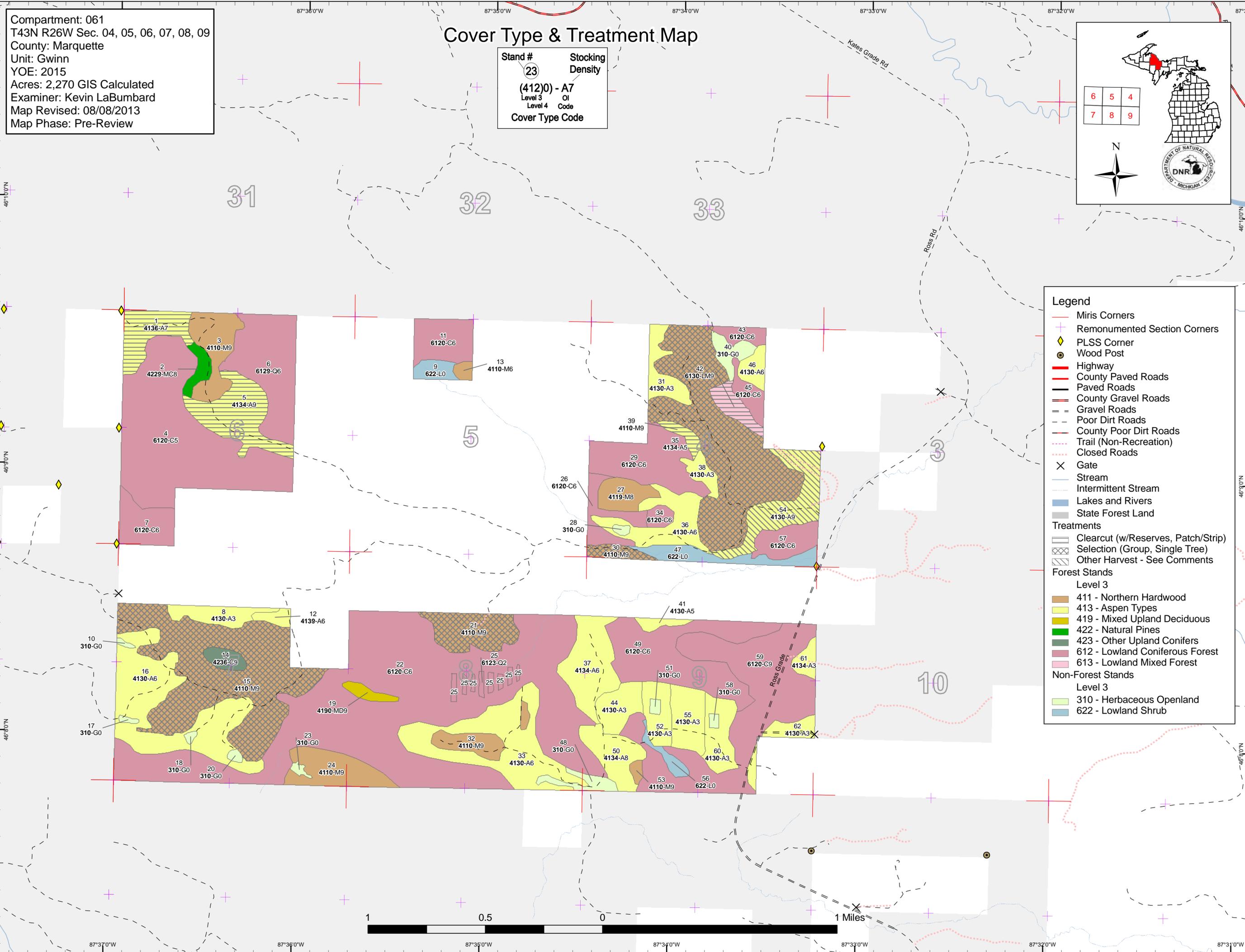
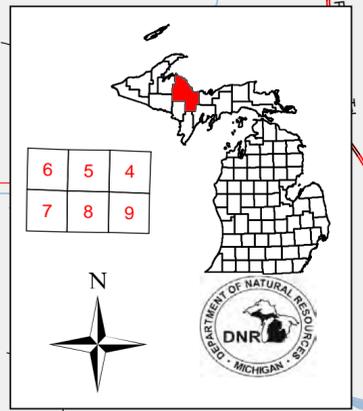
The following information is displayed, where pertinent, on the attached compartment maps:

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

Compartment: 061
 T43N R26W Sec. 04, 05, 06, 07, 08, 09
 County: Marquette
 Unit: Gwinn
 YOE: 2015
 Acres: 2,270 GIS Calculated
 Examiner: Kevin LaBumbard
 Map Revised: 08/08/2013
 Map Phase: Pre-Review

Cover Type & Treatment Map

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



Legend

- Miris Corners
- ⊕ Remonumented Section Corners
- ◆ PLSS Corner
- Wood Post
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- ⊗ Gate
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

Treatments

- ▨ Clearcut (w/Reserves, Patch/Strip)
- ▩ Selection (Group, Single Tree)
- ▨ Other Harvest - See Comments

Forest Stands

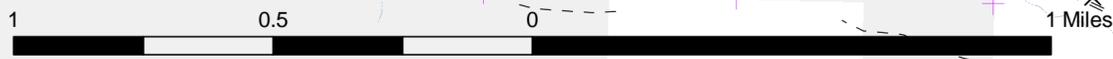
Level 3

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

Non-Forest Stands

Level 3

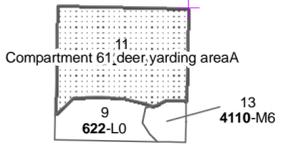
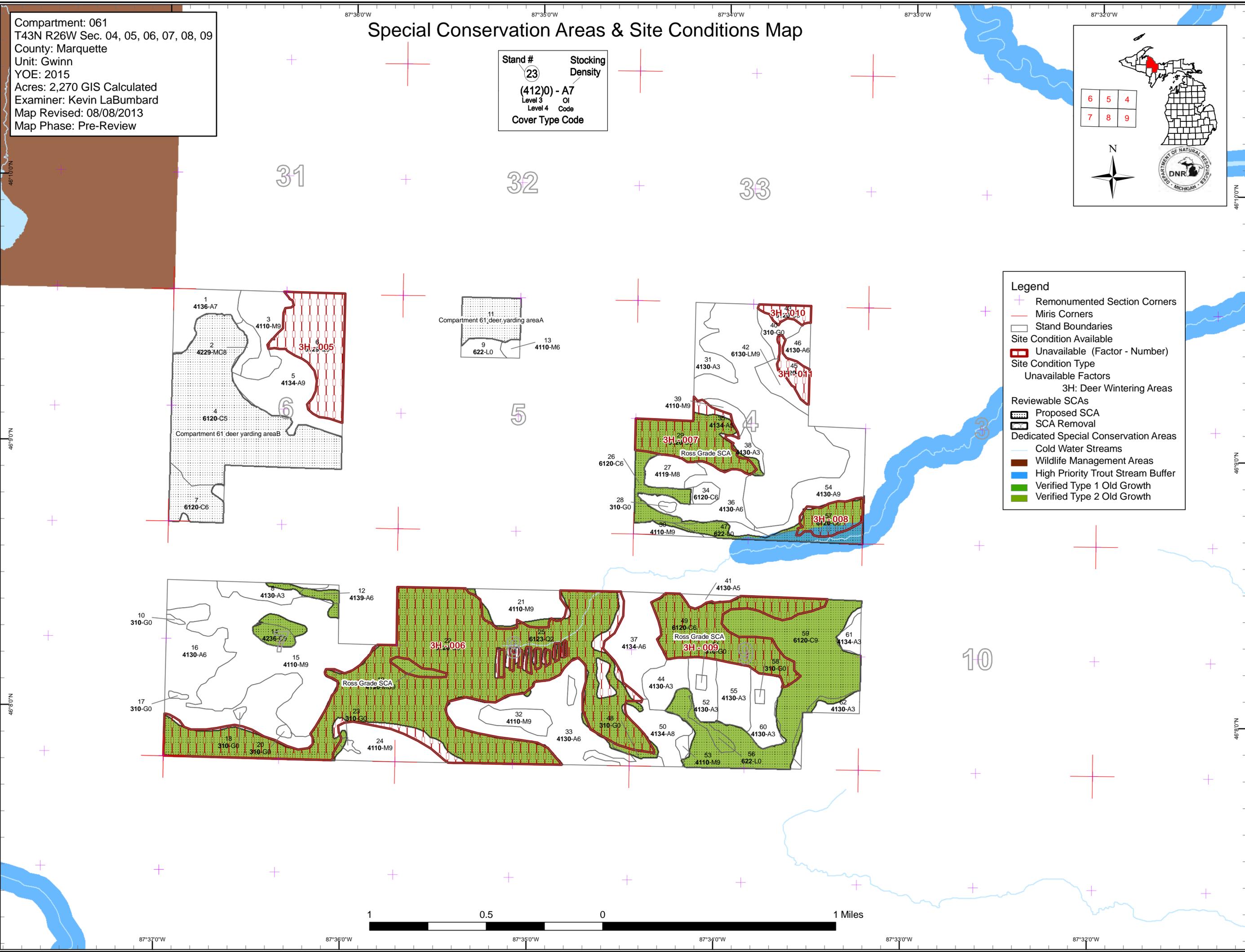
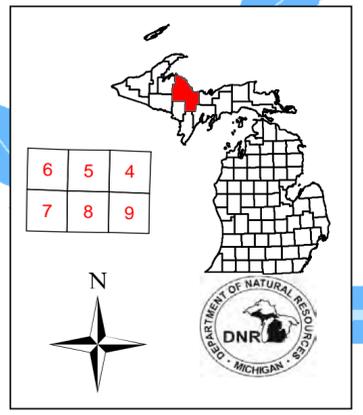
- 310 - Herbaceous Openland
- 622 - Lowland Shrub



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 County: Marquette
 Unit: Gwinn
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 Map Revised: 08/08/2013
 Map Phase: Pre-Review

Special Conservation Areas & Site Conditions Map

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



Legend

- + Remonumented Section Corners
- + Miris Corners
- Stand Boundaries
- Site Condition Available
- Unavailable (Factor - Number)
- Site Condition Type
- Unavailable Factors
- 3H: Deer Wintering Areas
- Reviewable SCAs
- Proposed SCA
- SCA Removal
- Dedicated Special Conservation Areas
- Cold Water Streams
- Wildlife Management Areas
- High Priority Trout Stream Buffer
- Verified Type 1 Old Growth
- Verified Type 2 Old Growth



87°37'0"W 87°36'0"W 87°35'0"W 87°34'0"W 87°33'0"W 87°32'0"W

Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit

Compartment 061 Year of Entry 2015

Kevin LaBumbard : Examiner



	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	25	65	163	204	5	79	48	0	0	0	0	0	0	0	590
Cedar	0	0	0	0	0	0	0	0	0	179	0	9	834	0	1021
Herbaceous Openland	33	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Conifers	0	0	0	8	0	0	0	0	70	0	0	0	0	0	78
Lowland Mixed Forest	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13
Lowland Shrub	38	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	8	0	0	0	0	8
Northern Hardwood	0	0	0	0	0	0	0	0	0	483	0	0	0	0	483
Total	95	65	163	213	5	92	48	0	70	676	0	9	834	0	2270



Report 2 – Proposed Treatment Summaries

Gwinn Mgt. Unit
Year of Entry 2015

Compartment 061
Total Compartment Acres: 2,270

Acres by Treatment Type

Commercial Harvest - 516	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
Aspen Types	84	0	0	0	0	43	127
Lowland Mixed Forest	13	0	0	0	0	0	13
Northern Hardwood	0	376	0	0	0	0	376
Total	97	376	0	0	0	43	516



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	32061001-Cut	29.3	4136 - Aspen, Mixed Conifer	Low Density Log	54		Harvest	Clearcut	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal
<u>Prescription</u> Harvest all species.										
<u>Specs:</u>										
<u>Other Comments:</u> Large overmature aspen and white birch with fir. Heavy fir understory. Illegal blind.										
<u>Next Steps:</u> Monitor regen per work instructions. Any mix of aspen, fir, spruce is acceptable.										
<u>Proposed Start Date:</u> 10/01/2014										
5	32061005-Cut	48.1	4134 - Aspen, Spruce/Fir	High Density Log	62		Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
<u>Prescription</u> Clearcut the stand retaining any white pine, cedar, hemlock if present.										
<u>Specs:</u>										
<u>Other Comments:</u> 4-5 stick aspen with smaller fir poles. Approx 75 ba aspen, 30 ba fir.										
<u>Next Steps:</u> Monitor regeneration per Work Instructions. Aspen and any conifers are acceptable species.										
<u>Proposed Start Date:</u> 10/01/2014										
15	32061015-Cut	172.0	4110 - Sugar Maple Association	High Density Log	99	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> This stand will be scheduled for a selection harvest with a residual ba of 80-90 to improve overall stand quality yet retain species diversity, conifer content, and wildlife attributes.										
<u>Specs:</u>										
<u>Other Comments:</u> Access to stand is from Dickinson County, Shultz Rd. Cut in 1999 by Jim Charles. Good quality stand of sugar maple and basswood. Light regeneration from the last cutting is browsed but 3' high. Scattered y. birch along the north edge. Areas of lower BA's. East side has large legacy upland cedar trees.										
<u>Next Steps:</u> Monitor regeneration per Work Instructions.										
<u>Proposed Start Date:</u> 10/01/2014										
21	32061021-Cut	35.3	4110 - Sugar Maple Association	High Density Log	99	111-140	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 attributes. A high percentage of the white ash sawtimber will be removed. Residual BA target of 80-90.										
<u>Specs:</u>										
<u>Other Comments:</u> A mix of northern hardwoods with white ash. The stand gradually slopes downhill to cedar with most of the conifer on the lower ground as you would expect. Heavier concentration of white ash upslope/north. Few maple seedlings in the gaps from the previous treatment but moderate white ash seedlings in the understory. Groups of large hemlock and cedar in the northwest. Access thru private.										
<u>Next Steps:</u> Monitor regen per work instructions.										
<u>Proposed Start Date:</u> 10/01/2014										
30	32061030-Cut	8.7	4110 - Sugar Maple Association	High Density Log	99	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Select cut the stand, marking to a residual BA of 80-90. Create larger gaps where appropriate.										
<u>Specs:</u>										
<u>Other Comments:</u> Narrow strip bordering private land. Almost pure sugar maple. 1-3' browsed sugar maple seedlings in the understory.										
<u>Next Steps:</u> Monitor regeneration per work instructions.										
<u>Proposed 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
35	32061035-Cut	6.4	4134 - Aspen, Spruce/Fir	Medium Density Pole	52		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal

Prescription Clearcut aspen and fir retaining the white spruce and any cedar if present.

Specs:

Other Healthy 3-4 stick aspen stand along the transition zone which slopes down to cedar. Converting to northern hardwoods.

Comments:

Next Monitor regeneration per work instructions.

Steps:

Proposed

Start Date: 10/01/2014

39	32061039-Cut	157.2	4110 - Sugar Maple Association	High Density Log	99	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
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Prescription Mark the stand for select cutting with target BA of 80-90. Retain most of the basswood where possible.

Specs:

Other Good quality hardwoods thinned in 1975 and 1995. Poor regen most areas with occasional pockets of 1'-5' white spruce in the north. Lots of raspberry ground cover. . Some older regen with ironwood 2" dbh SE part of stand.

Comments:

Next Monitor regen per work instructions.

Steps:

Proposed

Start Date: 10/01/2014

42	32061042-Cut	13.0	6130 - Fir, Aspen, Maple	High Density Log	56		Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Cmpt. Review Proposal
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Prescription Clearcut the aspen, fir, and paper birch, retaining the cedar.

Specs:

Other Large overmature aspen, fir, white birch. Scattered cedar. Stand is low, fairly wet.

Comments:

Next Monitor regeneration per work instructions. Aspen and balm both acceptable species.

Steps:

Proposed

Start Date: 10/01/2014

54	32061054-Cut	43.4	4130 - Aspen	High Density Log	56		Harvest	Other - Specify in Comments	4110 - Sugar Maple Association	Cmpt. Review Proposal
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Prescription Remove overstory aspen and fir to release sugar maple understory.

Specs:

Other Narrow band of 5-6 stick aspen with scattered fir poles in a narrow band along a hardwood ridge. Areas of white ash and sugar maple saplings 20-30' tall moving uphill. Stand converting to hardwood with 2-5" sugar stems in places.

Comments:

Next Monitor for regen. The hunter walker trail located within this stand will be mowed this cycle.

Steps: --Bill Rollo : 08/06/2013 comments: WLD would like to maintain the hunter walking trail within this stand.

Proposed

Start Date: 10/01/2014

**Total Treatment
Acreage Proposed: 513.3**



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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

Gwinn Mgt. Unit

Kevin LaBumbard : Examiner

Compartment 061

Year of Entry 2015

Availability for Management

Availability for Management			Dominant Site Conditions		
Total Acres	Acres Available	Acres Not Available		No	3H
590	590		Aspen	590	
1021	417	604	Cedar	417	604
78	8	70	Lowland Conifers	8	70
13	13		Lowland Mixed Forest	13	
6	6		Mixed Upland Deciduous	6	
8	8		Natural Mixed Pines	8	
483	483		Northern Hardwood	483	
2,199	1,526	673	Total Forested Acres	1,526	673
	69%	31%	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
005	Not Available	3H: Deer Wintering Areas	70				
Comments:							
006	Not Available	3H: Deer Wintering Areas	418				
Comments:							
007	Not Available	3H: Deer Wintering Areas	56				
Comments:							
008	Not Available	3H: Deer Wintering Areas	21				
Comments:							

Report 5 – Site Conditions

Gwinn Mgt. Unit

Compartment 061

Kevin LaBumbard : Examiner

Year of Entry 2015

009 **Not Available** **3H: Deer Wintering Areas** 88

Comments:

010 **Not Available** **3H: Deer Wintering Areas** 9

Comments:

011 **Not Available** **3H: Deer Wintering Areas** 11

Comments:



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
Compartment 61 deer yarding areaA	Habitat Areas or Corridors	Other Habitat Area	SCA	29.4
Comments Fairly dense cedar with black spruce and balsam fir.				
Compartment 61 deer yarding areaB	Habitat Areas or Corridors	Other Habitat Area	SCA	202.8
Comments Deer yard				
Ross Grade SCA	Type 1 or Type 2 Old Growth	Verified Type 2 Old Growth Area	SCA	788.3
Comments Potential old growth cedar and associated species.				



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	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4136 - Aspen, Mixed Conifer	Low Density Log	29.3	54		Large overmature aspen and white birch with fir. Heavy fir understory. Illegal blind.
2	42290 - Natural Mixed Pine	Medium Density Log	8.4	98	51-80	Narrow sand ridge of mixed red pine, white pine, white birch, hemlock, sugar maple. Pine left along with a few hardwoods., Aspen clearcut under permit #16-95-01 in 1998. Patches of fir advanced regen. left 2-4"dbh. Another crop of aspen/fir to cut in 40-50 years. Long term w. pine conversion here.
3	4110 - Sugar Maple Association	High Density Log	32.5	98	81-110	Medium quality hardwoods with large hemlock, white pine, white birch, and some scattered upland cedar. Pockets of dense sugar maple regeneration in the large gaps from the cutting in 1998 (#016-95-01) but also areas of spotty regeneration with raspberry.
4	6120 - Lowland Cedar	Medium Density Pole	178.7	99		Mixed cedar, tamarack, and black spruce over mixed swamp conifers.
5	4134 - Aspen, Spruce/Fir	High Density Log	48.1	62		4-5 stick aspen with smaller fir poles. Approx 75 ba aspen, 30 ba fir.
6	6129 - Mixed Coniferous Lowland Forest	High Density Pole	69.7	83		
7	6120 - Lowland Cedar	High Density Pole	26.7	120		C6 with black spruce and balsam fir.
8	4130 - Aspen	High Density Sapling	17.9	14		A3B4 over browsed hard maple. Cut in 1998.
11	6120 - Lowland Cedar	High Density Pole	29.4	127		Fairly dense cedar with black spruce and balsam fir.
12	4139 - Aspen, Mixed Deciduous	High Density Pole	5.5	30		Narrow strip of 3-4 stick aspen and balm along the north edge of stand 17. 60 ba aspen, 60 ba balm, 20 ba sugar maple. Converting to sugar maple. Could cut the balm when treating the adjacent hardwood stand.
13	4110 - Sugar Maple Association	High Density Pole	3.7	99		This patch was never thinned. Remote poor access, small stand. Would have to go through private land building road thru mostly cedar.
14	42360 - Upland Cedar	High Density Log	8.5	115		Lowland pocket of cedar, hemlock, red maple, yellow birch within a large northern hardwood stand. Heavy black ash understory.
15	4110 - Sugar Maple Association	High Density Log	172.0	99	111-140	Access to stand is from Dickinson County, Shultz Rd. Cut in 1999 by Jim Charles. Good quality stand of sugar maple and basswood. Light regeneration from the last cutting is browsed but 3' high. Scattered y. birch along the north edge. Areas of lower BA's. East side has large legacy upland cedar trees.
16	4130 - Aspen	High Density Pole	99.3	25		Cut in 1987. 2 stick aspen, transitioning to a well stocked pole stand. Almost pure aspen.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	4190 - Mixed Upland Deciduous with Cedar	High Density Log	6.2	98	81-110	Remote former fir stand converted to mixed hardwoods. Most of the fir is dead and down providing patchy aggregate retention with larger gaps. Large remnant red maple, sugar maple, upland cedar, with white birch, white spruce and balsam fir.
21	4110 - Sugar Maple Association	High Density Log	35.3	99	111-140	A mix of northern hardwoods with white ash. The stand gradually slopes downhill to cedar with most of the conifer on the lower ground as you would expect. Heavier concentration of white ash upslope/north. Few maple seedlings in the gaps from the previous treatment but moderate white ash seedlings in the understory. Groups of large hemlock and cedar in the northwest. Access thru private.
22	6120 - Lowland Cedar	High Density Pole	418.3	160		Large, variable stand with stocking levels of 80-130 ba. Areas of large diameter cedar.
24	4110 - Sugar Maple Association	High Density Log	34.3	99	51-80	Cut by Marvin Nelson in 1999. Good quality timber. Large component of large Hemlock and large upland cedar north. No regen yet.
25	6123 - Lowland Fir	Medium Density	8.3	38		Old cedar strip cuts regenerated to fir, black spruce, white birch, balsam poplar. No cedar seedlings or saplings present.
26	6120 - Lowland Cedar	High Density Pole	19.2	124		Primarily a cedar stand with large Balm that is mostly blown over. Some large spruce as well. Patches of cedar and individual large cedar. Poorly stocked areas have alder or red maple 1-2" dbh. Those areas have dead fir or blown over Balm. Mostly wet site.
27	4119 - Mixed Northern Hardwoods	Medium Density Log	17.7	99	51-80	Old "wildlife" cutting. Much of the stand is 3"-4" sugar maple with larger timber along the southern edge. Numerous upland cedar, legacy sugar maple, y. birch, and cedar. Fair stocking of cherry, w. birch, red maple.
29	6120 - Lowland Cedar	High Density Pole	55.8	160		Variable stand with stocking levels of 80-130 ba. Areas of large diameter cedar.
30	4110 - Sugar Maple Association	High Density Log	8.7	99	111-140	Narrow strip bordering private land. Almost pure sugar maple. 1-3' browsed sugar maple seedlings in the understory.
31	4130 - Aspen	High Density Sapling	18.0	15		30-40' aspen saplings over dense white ash saps.
32	4110 - Sugar Maple Association	High Density Log	18.4	99	81-110	High quality almost "pure" sugar maple stand of sawtimber and poles. Some areas have regenerated well from previous harvests while other areas have not. Illegal deer blind in the western end. Last treated by Jacobson under contract # 32-05-05-01.
33	4130 - Aspen	High Density Pole	81.8	37		Variable sized aspen with larger poles north and smaller south. South of road the aspen is self pruning and contains numerous 2" -3" quality sugar maple saplings. Hold stand until next cycle.

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Gwinn Mgt. Unit

Report 8 – Forested Stands

Compartment: 061
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
34	6120 - Lowland Cedar	High Density Pole	5.9	120		
35	4134 - Aspen, Spruce/Fir	Medium Density Pole	6.4	52		Healthy aspen stand along the transition zone which slopes down to cedar. Converting to northern hardwoods.
36	4130 - Aspen	High Density Pole	37.0	34		A6B4F4C4 aspen is 4 stick. Many areas have only medium stocking. 2-3" sugar maple understory.
37	4134 - Aspen, Spruce/Fir	High Density Pole	45.5	36		3-4 stick aspen and fir with scattered white spruce poles and white birch. Young but ready to cut.
38	4130 - Aspen	High Density Sapling	9.1	14		Well stocked young aspen with a few scattered upland cedar.
39	4110 - Sugar Maple Association	High Density Log	157.2	99	111-140	Good quality hardwoods thinned in 1975 and 1995. Poor regen most areas with occasional pockets of 1'-5' white spruce in the north. Lots of raspberry ground cover. Some older regen with ironwood 2" dbh SE part of stand.
41	4130 - Aspen	Medium Density Pole	5.4	45		2-3 stick aspen over fir. A6F2
42	6130 - Fir, Aspen, Maple	High Density Log	13.0	56		Large over mature aspen and associates. Scattered cedar.
43	6120 - Lowland Cedar	High Density Pole	8.8	149		Cedar with associated swamp conifers.
44	4130 - Aspen	High Density Sapling	20.2	14		Cut by Nickels Logging under contract # 020-95-01.
45	6120 - Lowland Cedar	High Density Pole	11.2	149		Cedar and associated swamp conifers.
46	4130 - Aspen	High Density Pole	9.9	24		Ranges from A3A4 to A5A3. Almost pure aspen
49	6120 - Lowland Cedar	High Density Pole	88.4	149		C6T5Q2
50	4134 - Aspen, Spruce/Fir	Medium Density Log	27.1	39		Semi- open stand of 2-3 stick aspen, open grown fir, cherry, white pine. Pockets of dense M3.
52	4130 - Aspen	High Density Sapling	17.8	24		Almost pure aspen. A4A3
53	4110 - Sugar Maple Association	High Density Log	2.8	99	111-140	Small high steep knob of sugar maple. Could be cut with adjacent stand.

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Gwinn Mgt. Unit

Report 8 – Forested Stands

Compartment: 061
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
54	4130 - Aspen	High Density Log	43.4	56		Narrow band of 5-6 stick aspen with scattered fir poles in a narrow band along a hardwood ridge. Areas of white ash and sugar maple saplings 20-30' tall moving uphill. Stand converting to hardwood with 2-5" sugar stems in places.
55	4130 - Aspen	High Density Sapling	24.9	7		Dense A3. Cut by St. John (Anderson Bros) under contract 32-006-01-01
57	6120 - Lowland Cedar	High Density Pole	21.2	149		Cedar stand with associated swamp conifers.
59	6120 - Lowland Cedar	High Density Log	149.0	126		Cedar with associated swamp conifers.
60	4130 - Aspen	High Density Sapling	23.0	24		A4A3F2. Stand transitioning to fully stocked poles.
61	4134 - Aspen, Spruce/Fir	High Density Sapling	7.4	30		Health aspen stand converting to poles.
62	4130 - Aspen	High Density Sapling	13.0	27		Young aspen stand.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
9	622 - Lowland Shrub	8.9	No	Unspecified	
10	310 - Herbaceous Openland	1.1	N/A	Unspecified	
17	310 - Herbaceous Openland	1.3	N/A	Unspecified	
18	3104 - Degraded	1.2	N/A	Unspecified	overrun with knapweed
20	310 - Herbaceous Openland	1.8	N/A	Unspecified	knapweed
23	310 - Herbaceous Openland	1.8	N/A	Unspecified	Old logging camp site.
28	3102 - Grass	1.8	N/A	Unspecified	
40	3102 - Grass	11.0	No	Unspecified	
47	6220 - Alder/willow	22.5	No	Unspecified	
48	3102 - Grass	9.3	No	Unspecified	
51	3102 - Grass	1.8	Yes	Unspecified	
56	6220 - Alder/willow	6.4	No	Unspecified	
58	3102 - Grass	1.6	Yes	Unspecified	