Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32090

Entry Year 2016

Acreage: 1879.79180000

County Alger

Management Area: Dead Horse Moraines

Revision Date: 2014-09-16

Stand Examiner: John Hamel

Legal Description:

T44N, R22W, Sections 19, 30, 31

Identified Planning Goals:

Improve the quality of the Northern Hardwoods stands through selective management while maintaining the conifer content and den trees for wildlife. Additional goals are to provide age-class distribution of Aspen by harvesting selected stands.

Soil and topography:

Terrain is mostly level to slightly rolling. Soils range from organic swamps and poorly drained loamy soils to well drained loams. Major soil series include Kalkaska, Munising, Keweenaw.

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

With the exception of only one 40 acre private holding, this compartment is comprised entirely of state land.

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:

Watershed and Fisheries Considerations:

Two branches of Deer Creek flow through this compartment.

Wildlife Habitat Considerations:

Compartment 90 is found within the Dead Horse Moraines Management Area; on Ground Moraines in southeastern Marquette, southwestern Alger, and northwestern Delta Counties. The dominant Natural Communities are poor conifer swamps, mesic northern forests, and dry northern forests. Major forest cover types include Northern Hardwood, Aspen, and Mixed Lowland Conifer. This management area contains a large proportion of hardwood forest which regenerates well partly due to the heavier snow cover and lower deer numbers than the southern portion of this Management Area. The most significant wildlife management issues in the management area are: mast (hard and soft); mature forest (upland deciduous, especially aspen and mixed forest with little understory); course woody debris, early successional forest, and deer wintering complexes.

The following have been identified as featured species for the Dead Horse Moraines Management Area: black bear, pileated woodpecker, ruffed grouse, and white-tailed deer.

Mineral Resource and Development Concerns and/or Restrictions

Section 19, 30 & 31, T44N-R22W, Alger County
Surface sediments consist of medium-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton Group subcrops below the glacial drift. The Trenton is quarried for stone/dolomite elsewhere in the UP. A gravel pit is located one mile to the south, and potential appears to be good. This compartment has never been leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Vehicle access to the compartment is poor due to the wet soils. Most management activities will be limited to the winter months.

Survey Needs:

No survey work is needed at this time.

Recreational Facilities and Opportunities:

Recreational activity for this area is primarily for ruffed grouse and whitetail deer hunting.

Fire Protection:

This compartment has a very low risk for wildfire.

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: 090
T44N R22W Sec. 19,30,31
County: Alger
Unit: Gwinn
Management Area: Dead Horse Moraines
YOE: 2016
Acres: 1,880 GIS Calculated
Examiner: John Hamel
Map Revised: 09/18/2014
Map Phase: Pre-Review

19
30
31

N

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Legend

✛ Remonumented Section Corners
— Miris Corners
— Highway
— County Paved Roads
— Paved Roads
— County Gravel Roads
— Gravel Roads
- - - Poor Dirt Roads
— County Poor Dirt Roads
- - - Trail (Non-Recreation)
— Stream
···· Intermittent Stream
▬ Lakes and Rivers
▬ State Forest Land

Treatments
▥ Clearcut (w/Reserves, Patch/Strip)
▦ Seed Tree (w/Reserves)
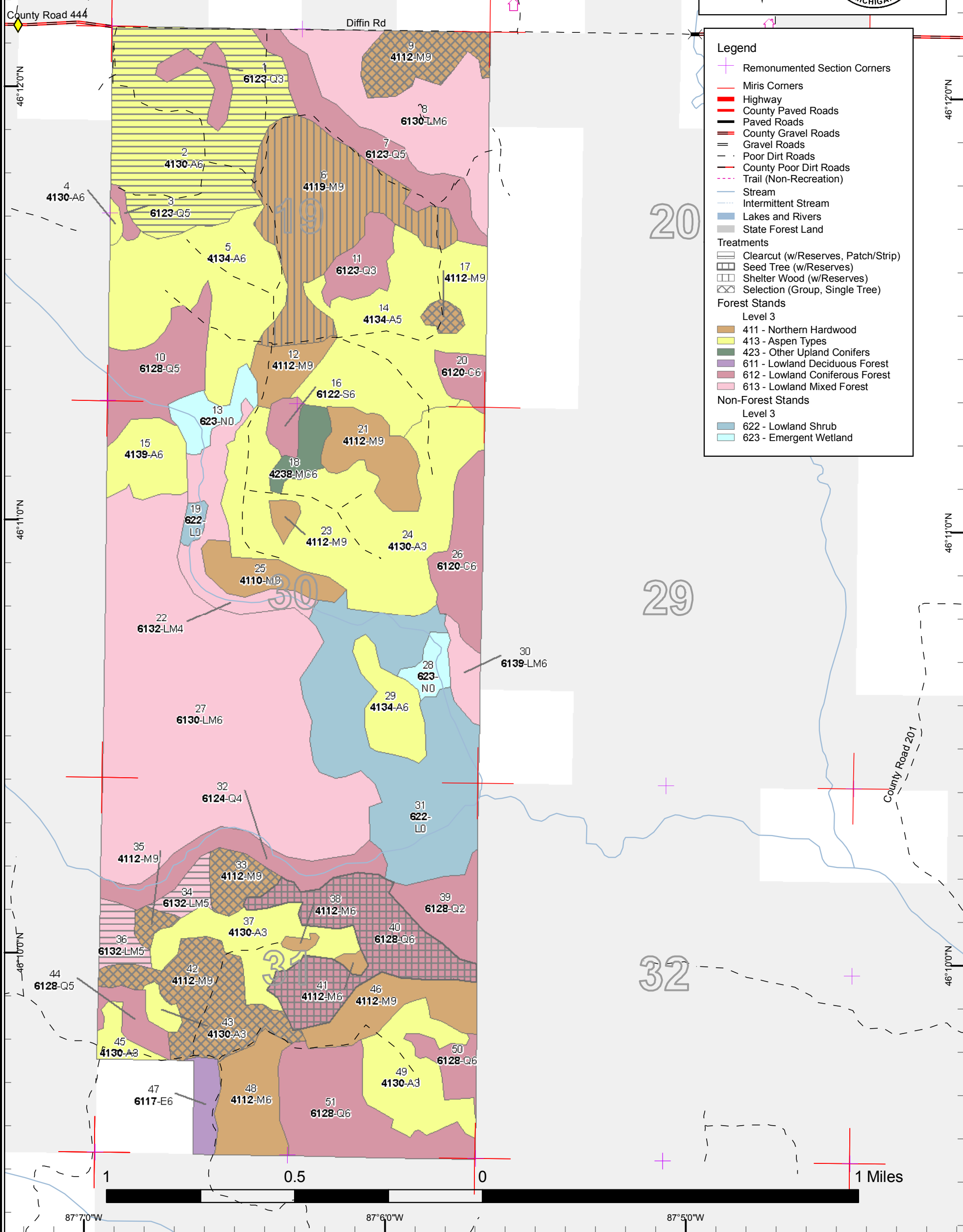▤ Shelter Wood (w/Reserves)
▧ Selection (Group, Single Tree)

Forest Stands
Level 3
411 - Northern Hardwood
413 - Aspen Types
423 - Other Upland Conifers
611 - Lowland Deciduous Forest
612 - Lowland Coniferous Forest
613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
622 - Lowland Shrub
623 - Emergent Wetland

County Road 444
Diffin Rd
County Road 201

1   0.5   0   1 Miles

Stand labels

1 6123-Q3
2 4130-A6
3 6123-Q5
4 4130-A6
5 4134-A6
6 4119-M9
7 6123-Q5
8 6130-LM6
9 4112-M9
10 6128-Q5
11 6123-Q3
12 4112-M9
13 623-N0
14 4134-A5
15 4139-A6
16 6122-S6
17 4112-M9
18 4238-MC6
19 622-L0
20 6120-C6
21 4112-M9
22 6132-LM4
23 4112-M9
24 4130-A3
25 4110-M9
26 6120-C6
27 6130-LM6
28 623-N0
29 4134-A6
30 6139-LM6
31 622-L0
32 6124-Q4
33 4112-M9
34 6132-LM5
35 4112-M9
36 6132-LM5
37 4130-A3
38 4112-M6
39 6128-Q2
40 6128-Q6
41 4112-M6
42 4112-M9
43 4130-A3
44 6128-Q5
45 4130-A3
46 4112-M9
47 6117-E6
48 4112-M6
49 4130-A3
50 6128-Q6
51 6128-Q6

Stand Boundary Map

Compartment: 090
T44N R22W Sec. 19,30,31
County: Alger
Unit: Gwinn
Management Area: Dead Horse Moraines
YOE: 2016
Acres: 1,880 GIS Calculated
Examiner: John Hamel
Map Revised: 07/01/2014
Map Phase: Pre-Review

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

19
30
31
N
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Legend

- ✛ Remonumented Section Corners
- — Miris Corners
- — Highway
- — County Paved Roads
- — Paved Roads
- — County Gravel Roads
- = = Gravel Roads
- – – Poor Dirt Roads
- — County Poor Dirt Roads
- ----- Trail (Non-Recreation)
- — Stream
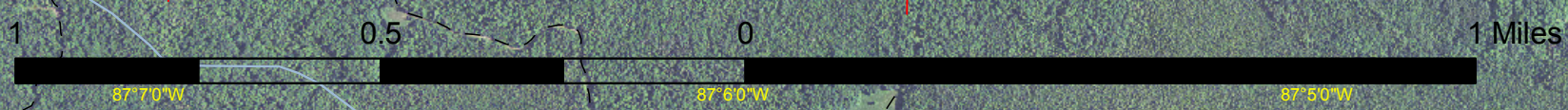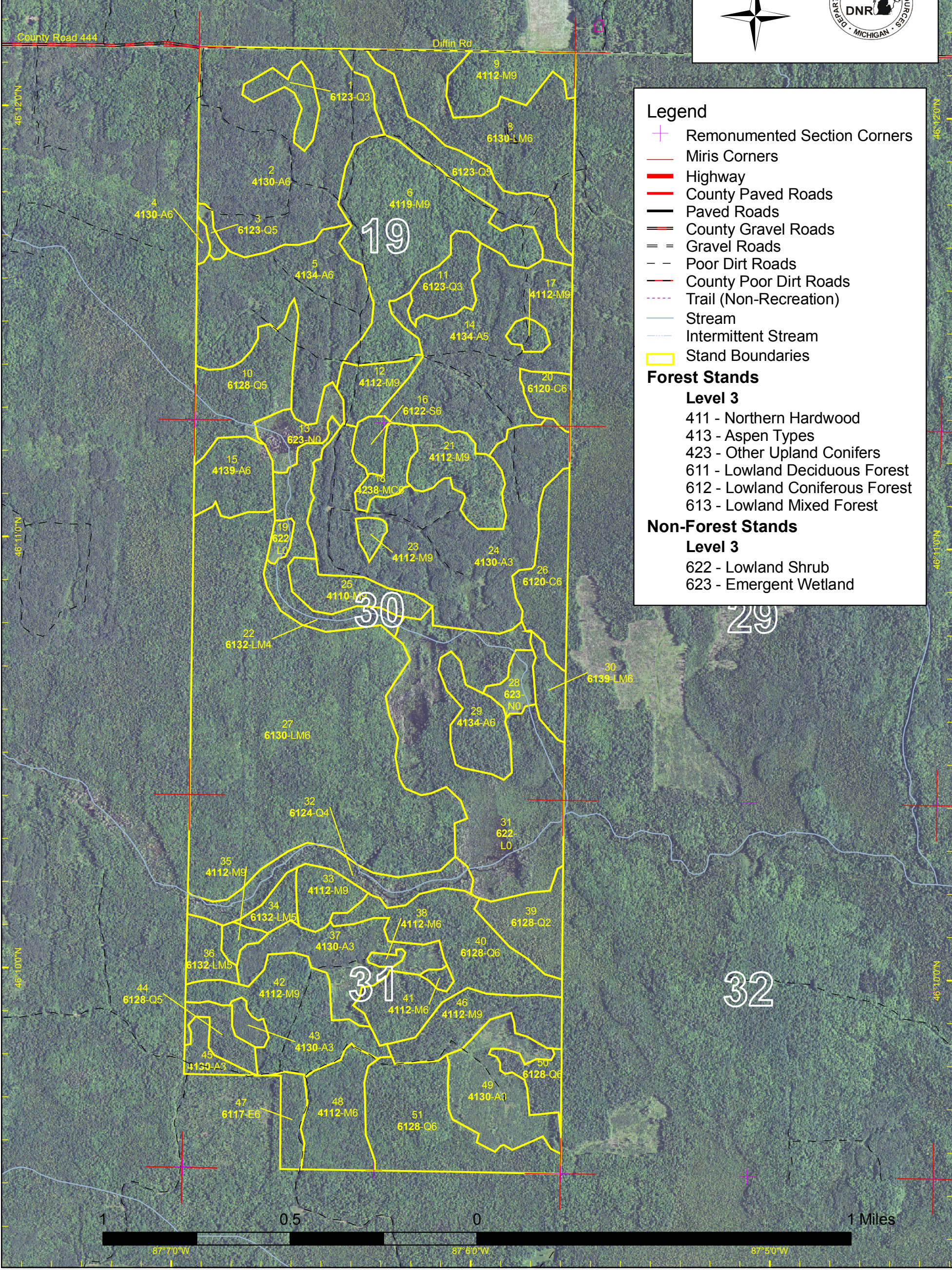- ---- Intermittent Stream
- ▭ Stand Boundaries

Forest Stands
Level 3
411 - Northern Hardwood
413 - Aspen Types
423 - Other Upland Conifers
611 - Lowland Deciduous Forest
612 - Lowland Coniferous Forest
613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
622 - Lowland Shrub
623 - Emergent Wetland

County Road 444   Diffin Rd

18
19
30
29
31
32

9 4112-M9
8 6130-LM6
6123-Q3
6123-Q3
2 4130-A6
4 4130-A6
3 6123-Q5
6 4119-M9
5 4134-A6
11 6123-Q3
17 4112-M9
14 4134-A5
10 6128-Q5
12 4112-M9
16 6122-S6
20 6120-C6
623-N0
15 4139-A6
21 4112-M9
4238-MC9
19 622-L0
23 4112-M9
24 4130-A3
26 6120-C6
25 4110
22 6132-LM4
30 6139-LM6
28 623-N0
29 4134-A6
27 6130-LM6
32 6124-Q4
31 622-L0
35 4112-M9
33 4112-M9
34 6132-LM5
38 4112-M6
39 6128-Q2
37 4130-A3
36 6132-LM5
40 6128-Q6
44 6128-Q5
42 4112-M9
41 4112-M6
46 4112-M9
43 4130-A3
45 4130-A3
50 6128-Q6
47 6117-E6
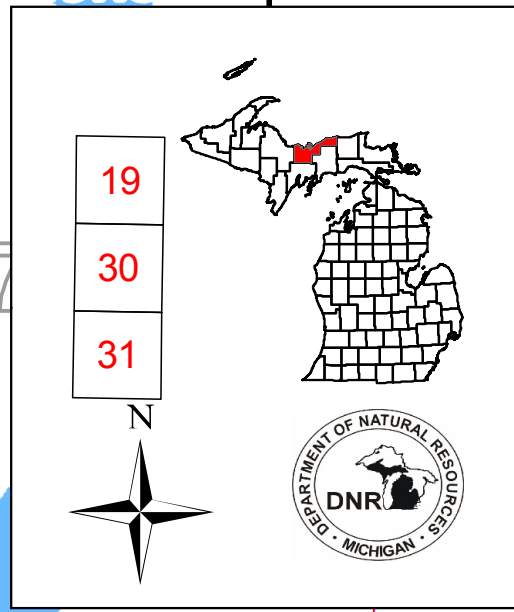48 4112-M6
51 6128-Q6
49 4130-A0

1   0.5   0   1 Miles

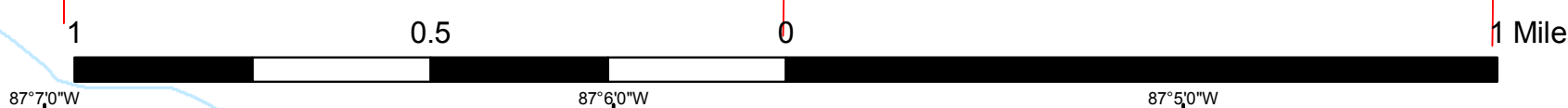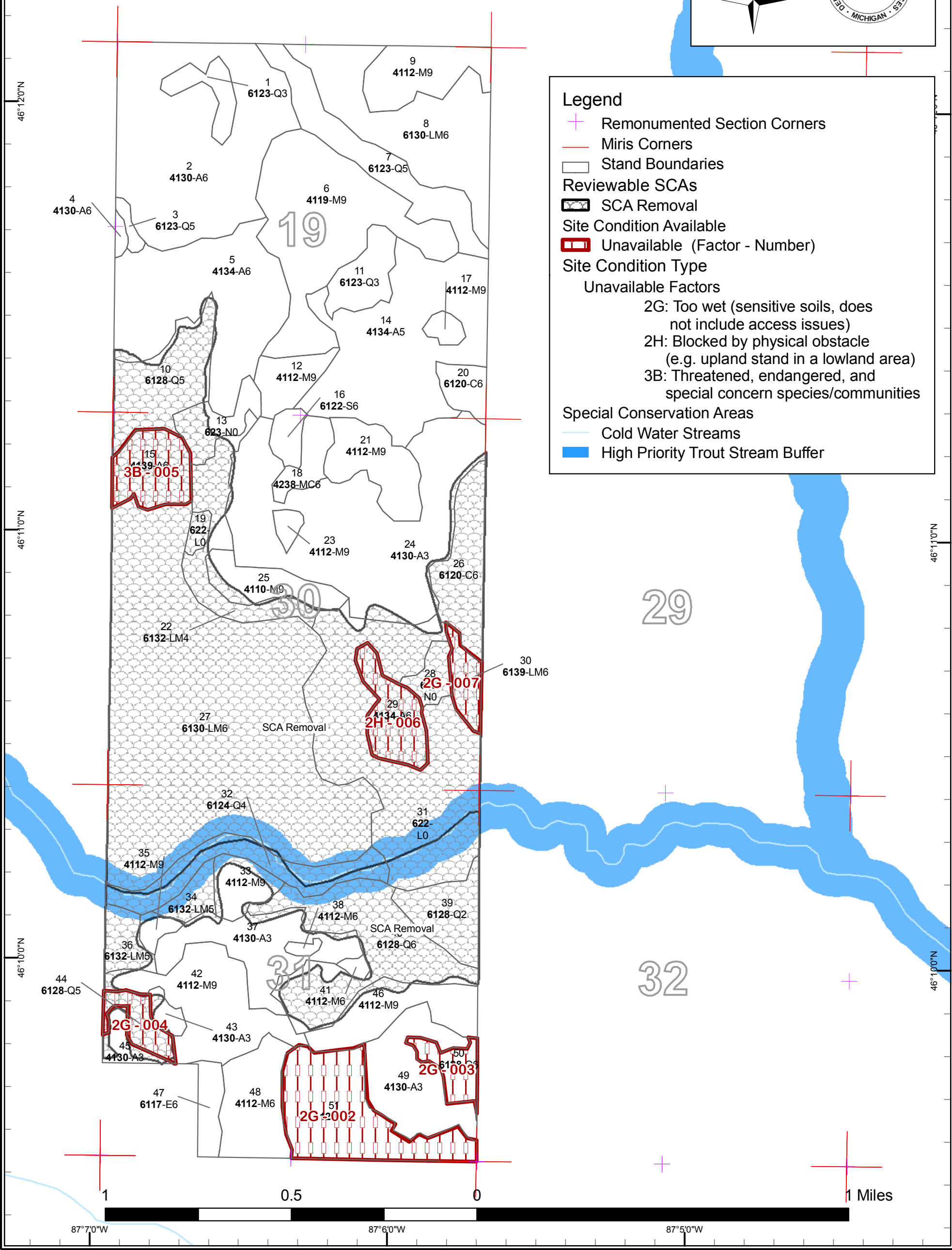# Special Conservation Areas & Site Conditions Map

Compartment: 090
T44N R22W Sec. 19,30,31
County: Alger
Unit: Gwinn
Management Area: Dead Horse Moraines
YOE: 2016
Acres: 1,880 GIS Calculated
Examiner: John Hamel
Map Revised: 07/01/2014
Map Phase: Pre-Review

Stand # 23
Stocking Density

(412)0) - A7
Level 3   OI
Level 4   Code
Cover Type Code

Legend

- Remonumented Section Corners
- Miris Corners
- Stand Boundaries

Reviewable SCAs
- SCA Removal

Site Condition Available
- Unavailable (Factor - Number)

Site Condition Type
  Unavailable Factors
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3B: Threatened, endangered, and special concern species/communities

Special Conservation Areas
- Cold Water Streams
- High Priority Trout Stream Buffer

Stand labels:
9 4112-M9
1 6123-Q3
8 6130-LM6
2 4130-A6
7 6123-Q5
6 4119-M9
4 4130-A6
3 6123-Q5
5 4134-A6
11 6123-Q3
17 4112-M9
14 4134-A5
10 6128-Q5
12 4112-M9
20 6120-C6
16 6122-S6
13 623-N0
21 4112-M9
15 4139-A6 / 3B -005
18 4238-MC6
19 622 L0
23 4112-M9
24 4130-A3
26 6120-C6
25 4110-M9
22 6132-LM4
30 6139-LM6
28 2G -007
29 N0
27 6130-LM6
SCA Removal
4134 / 2H -006
32 6124-Q4
31 622 L0
35 4112-M9
33 4112-M9
34 6132-LM5
38 4112-M6
39 6128-Q2
37 4130-A3
36 6132-LM5
SCA Removal 6128-Q6
44 6128-Q5
42 4112-M9
41 4112-M6
46 4112-M9
2G -004
43 4130-A3
45 4130-A3
50 6100 / 2G -003
49 4130-A3
47 6117-E6
48 4112-M6
51 2G -002

Sections: 17, 19, 30, 31, 29, 32

Scale: 1   0.5   0   1 Miles

87°7'0"W   87°6'0"W   87°5'0"W
46°12'0"N   46°11'0"N   46°10'0"N

Age Class

	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	Total
Aspen	42	54	131	190	129	0	0	0	23	25	0	0	0	0	**593**
Cedar	0	0	0	0	0	0	0	40	0	0	0	0	0	0	**40**
Lowland Conifers	0	0	0	56	14	93	67	0	68	12	0	0	0	0	**311**
Lowland Deciduous	0	0	0	0	0	10	0	0	0	0	0	0	0	0	**10**
Lowland Mixed Forest	0	0	0	0	0	395	0	0	12	19	0	0	0	0	**426**
Lowland Shrub	131	0	0	0	0	0	0	0	0	0	0	0	0	0	**131**
Lowland Spruce/Fir	0	0	0	0	0	7	0	0	0	0	0	0	0	0	**7**
Marsh	24	0	0	0	0	0	0	0	0	0	0	0	0	0	**24**
Northern Hardwood	0	0	0	0	0	0	32	0	30	65	24	0	0	176	**326**
Upland Conifers	0	0	0	0	12	0	0	0	0	0	0	0	0	0	**12**
Total	**197**	**54**	**131**	**246**	**155**	**506**	**99**	**40**	**133**	**121**	**24**	**0**	**0**	**176**	**1880**

Gwinn Mgt. Unit

Year of Entry 2016

Compartment 090

Total Compartment Acres: 1,880

Acres by Treatment Type

Commercial Harvest - 407   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	126	0	0	0	0	0	**126**
Lowland Coniferous Forest	0	0	67	0	0	0	**67**
Lowland Mixed Forest	20	0	0	0	0	0	**20**
Northern Hardwood	0	102	0	92	0	0	**193**
Total	**147**	**102**	**67**	**92**	**0**	**0**	**407**

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	**32090002-Cut**	126.5	4130 - Aspen	High Density Pole	42		Harvest	Clearcut	413 - Aspen	Cmpt. Review Proposal

Prescription Specs: Clearcut harvest. mark out 7, 1/2 acre retention patches.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2015

6	**32090006-Cut**	91.6	4119 - Mixed Northern Hardwoods	High Density Log	90	111-140	Harvest	Shelterwood	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Specs: Shelterwood harvest. Mark down to 50 BA reserving high quality crop trees. In areas of better quality selectively harvest. favor High Quality Maple.

Other Comments:

Next Steps: regeneration check per current work instructions

Proposed Start Date: 10/01/2015

9	**32090009-Cut**	27.4	4112 - Maple, Beech, Cherry Association	High Density Log	80	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Specs: Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate, to establish regeneration, and maintain stand diversity Leave obvious wildlife trees. Leave all cedar, hemlock, cherry, and smaller conifers.

Other Comments:

Next Steps: Regeneration checks per current Work Instructions

Proposed Start Date: 10/01/2015

17	**32090017-Cut**	4.6	4112 - Maple, Beech, Cherry Association	High Density Log	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Specs: Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate, to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees. Leave all cedar, hemlock and smaller conifers.

Other Comments:

Next Steps: Regeneration checks per current Work Instructions

Proposed Start Date: 10/01/2015

S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
33	32090033-Cut	14.3	4112 - Maple, Beech, Cherry Association	High Density Log	80	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Specs: Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees. Leave all cedar, hemlock, cherry, yellow birch and smaller conifers.

Other Comments:

Next Steps: Regeneration survey as per work instructions.

Proposed Start Date: 10/01/2015

S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
34	32090034-Cut	8.6	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	95		Harvest	Clearcut with Reserves	613 - Lowland Mixed Forest	Cmpt. Review Proposal

Prescription Specs: Clearcut this stand leaving 2 tenth acre retention patches around clumped cedar if practicable. Reserve cedar

Other Comments:

Next Steps: Regeneration survey as per work instructions.

Proposed Start Date: 10/01/2015

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	32090035-Cut	4.8	4112 - Maple, Beech, Cherry Association	High Density Log	80	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Specs: Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees. Leave all cedar, hemlock, cherry, yellow birch, and smaller conifers.

Other Comments:

Next Steps: Regeneration survey as per work instructions.

Proposed Start Date: 10/01/2015

S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
36	32090036-Cut	11.6	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	80		Harvest	Clearcut with Reserves	613 - Lowland Mixed Forest	Cmpt. Review Proposal

Prescription Specs: Clearcut this stand leaving 2 tenth acre retention patches around clumped cedar if practicable. Reserve cedar

Other Comments:

Next Steps: Regeneration survey as per work instructions.

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
40	32090040-Cut	67.1	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	60		Harvest	Seed Tree with Reserves	612 - Lowland Coniferous Forest	Cmpt. Review Proposal

Prescription Specs: Seed tree with reserves harvest. leave approximately 10-15 seed trees per acre between spruce and fir. Leave all cedar and hemlock. All other trees are to be cut.

Other Comments:

Next Steps: Regeneration survey as per work instructions.

Proposed Start Date: 10/01/2015

42	32090042-Cut	50.4	4112 - Maple, Beech, Cherry Association	High Density Log	90	141-170	Harvest	Group Selection	411 - Northern Hardwood	Cmpt. Review Proposal

Prescription Specs: Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees. Leave all cedar, hemlock, cherry, and smaller conifers.

Other Comments:

Next Steps: Regeneration survey as per work instructions.

Proposed Start Date: 10/01/2015

**Total Treatment
Acreage Proposed:** **406.9**

S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
		#Type!	#Type!							

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

Total Treatment
Acreage Proposed: **0.0**

Gwinn Mgt. Unit

John Hamel : Examiner

Compartment 090

Year of Entry 2016

Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions			
				No	3B	2H	2G
592	544	48	**Aspen**	544	25	23	0
40	40		**Cedar**	40			
311	231	79	**Lowland Conifers**	231	0		79
10	10		**Lowland Deciduous**	10			
425	415	10	**Lowland Mixed Forest**	415			10
7	7		**Lowland Spruce/Fir**	7			
326	326		**Northern Hardwood**	326			
12	12		**Upland Conifers**	12			
1,724	1,586	137	Total Forested Acres	1,586	25	23	90
	92%	8%	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**	**2G: Too wet (sensitive soils, does not include access issues)**	57	No Limiting Factor			
	Comments:						
003	**Not Available**	**2G: Too wet (sensitive soils, does not include access issues)**	12				
	Comments:						
004	**Not Available**	**2G: Too wet (sensitive soils, does not include access issues)**	11				
	Comments:						

Gwinn Mgt. Unit

John Hamel : Examiner

Compartment 090

Year of Entry 2016

005	**Not Available**	**3B: Threatened, endangered, and special concern species/communities**	25	2G: Too wet (sensitive soils, does not include access issues)

Comments:

This stand is part of a proposed DHA

006	**Not Available**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	23	

Comments:

007	**Not Available**	**2G: Too wet (sensitive soils, does not include access issues)**	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
SCA Removal	Other SCA		**SCA Removal**	169.9
Comments				
Coded as POG in the past. There is no evidence old growth features in this area.				
SCA Removal	Potential Old Growth		**SCA Removal**	589.7
Comments				
Coded as POG in the past. There is no evidence old growth features in this area.				

Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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

Conservation Area	Type	Description
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	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	6123 - Lowland Fir	High Density Sapling	11.4	42		
2	4130 - Aspen	High Density Pole	126.5	42		Young Aspen stand just geting in to the pole size classes.
3	6123 - Lowland Fir	Medium Density Pole	3.0	40		very wet portions are flooded by beaver
4	4130 - Aspen	High Density Pole	2.0	40		
5	4134 - Aspen, Spruce/Fir	High Density Pole	89.8	31		
6	4119 - Mixed Northern Hardwoods	High Density Log	91.6	Uneven Age	111-140	This stand has good advanced regeneration
7	6123 - Lowland Fir	Medium Density Pole	38.4	31		Poor stocking arvested in 1983
8	6130 - Fir, Aspen, Maple	High Density Pole	70.9	50		
9	4112 - Maple, Beech, Cherry Association	High Density Log	27.4	80	111-140	Good regeneration in spots, trace hemlock and yellow birch
10	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	38.3	50		wet slow growing area
11	6123 - Lowland Fir	High Density Sapling	17.7	30		
12	4112 - Maple, Beech, Cherry Association	High Density Log	15.0	Uneven Age	81-110	this stand was harvested in 2012 it has good advanced regeneration
14	4134 - Aspen, Spruce/Fir	Medium Density Pole	100.1	31		poor quality aspen slow growing due to shallow water table
15	4139 - Aspen, Mixed Deciduous	High Density Pole	24.6	92	81-110	stand is very wet, converting to Red Maple
16	6122 - Black Spruce	High Density Pole	7.4	50		
17	4112 - Maple, Beech, Cherry Association	High Density Log	4.6	90	111-140	fair quality red and suger maple
18	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	11.7	40	51-80	Poor quality Hardwood and softwood conifer
20	6120 - Lowland Cedar	High Density Pole	10.1	77		

Report 8 – Forested Stands

S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	4112 - Maple, Beech, Cherry Association	High Density Log	27.6	90	81-110	Harvest 2012
22	6132 - Mixed Lowland Forest with Cedar	Low Density Pole	31.0	50		very wet ground
23	4112 - Maple, Beech, Cherry Association	High Density Log	3.9	100	81-110	harvested in 2012
24	4130 - Aspen	High Density Sapling	130.8	25		
25	4110 - Sugar Maple Association	High Density Log	19.7	100	81-110	harvested in 2012 , lightly thinned.
26	6120 - Lowland Cedar	High Density Pole	29.8	77		
27	6130 - Fir, Aspen, Maple	High Density Pole	292.8	50		mostly wet ground with higher spots of better hardwoods. Part of DHA. poor accessability.
29	4134 - Aspen, Spruce/Fir	High Density Pole	22.8	85		
30	6139 - Mixed Lowland Forest	High Density Pole	10.7	90		
32	6124 - Lowland Spruce-Fir	Low Density Pole	31.8	50		
33	4112 - Maple, Beech, Cherry Association	High Density Log	14.3	Uneven Age	111-140	
34	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	8.6	95		Over mature stand with with lots of dead and down trees
35	4112 - Maple, Beech, Cherry Association	High Density Log	4.8	Uneven Age	111-140	
36	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	11.6	80		Over mature stand with with lots of dead and down trees
37	4130 - Aspen	High Density Sapling	40.7	15		Young aspen portionsa cut in 1997 and 2009, good regeneration.
38	4112 - Maple, Beech, Cherry Association	High Density Pole	1.9	90	51-80	small red maple stand
39	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density	23.0	50		
40	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	67.1	60		

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	4112 - Maple, Beech, Cherry Association	High Density Pole	2.2	85	51-80	
42	4112 - Maple, Beech, Cherry Association	High Density Log	50.4	Uneven Age	141-170	good quality stand
43	4130 - Aspen	High Density Sapling	5.1	17		
44	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	11.2	80		
45	4130 - Aspen	High Density Sapling	8.1	17		
46	4112 - Maple, Beech, Cherry Association	High Density Log	30.8	90	51-80	Recently harvested in 2009. Good quality hardwood
47	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	10.5	50		
48	4112 - Maple, Beech, Cherry Association	High Density Pole	32.2	60	51-80	poor quality red maple on low ground
49	4130 - Aspen	High Density Sapling	42.0	5		cut in 2009 good regeneration
50	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	11.9	90		
51	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	57.3	80		

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
13	623 - Emergent Wetland	15.0	No	Unspecified	
19	622 - Lowland Shrub	3.7	No	Unspecified	
28	623 - Emergent Wetland	9.0	No	Unspecified	
31	622 - Lowland Shrub	127.0	No	Unspecified	