Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 293
Entry Year 2016
Acreage: 1,286
County Marquette
Management Area: Sand River Lake Plain

Revision Date: 08/08/2014

Stand Examiner: Dean Wilson

Legal Description:

T46N-R23W, Sections 4, 5 & 6.

Identified Planning Goals:

Harvest older stands of aspen, birch and spruce/fir to encourage regeneration of these species. Selectively harvest northern hardwood types to improve quality and promote regeneration.

Soil and topography:

Soils are very poorly drained organic soils and poorly drained loamy soils. Glacial drainage ways, till plains and ground moraines form topography that is nearly level to moderately steep.

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

This compartment is part of a large block of state ownership that contains a few small non-industrial private ownerships. Land use is primarily for forest product production and recreation.

Unique Natural Features:

Mixed lowland habitats support a variety of less common ground flora in this compartment.

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:

Timber management operations will be limited to a winter harvest to protect the soils within this compartment.

Watershed and Fisheries Considerations:

Fisheries Values: Good
Fisheries Concerns: This compartment contains sections of LeVassuer Creek, East Branch LeVassuer Creek and in the west section the Chocolay River. The Chocolay River is a designated trout stream that receives runs of salmon and steelhead. Stand 8 along the Chocolay River calls for a selection cut and needs to include a no cut buffer of the river at a minimum of 100 feet. Stands 19 and 27 each contain a small component of aspen. The prescribed clear-cuts need to buffer LeVassuer Creek and East Branch LeVassuer Creek at a minimum of 150 feet. Both streams have potential for resident brook trout.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of coarse-textured till sometimes thin to discontinuous over bedrock and minor lacustrine (lake) clay and silt. The glacial drift thickness varies between 10 and 50 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. Gravel Pit #58 is located in Section 5 and potential is good. This compartment has never been leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

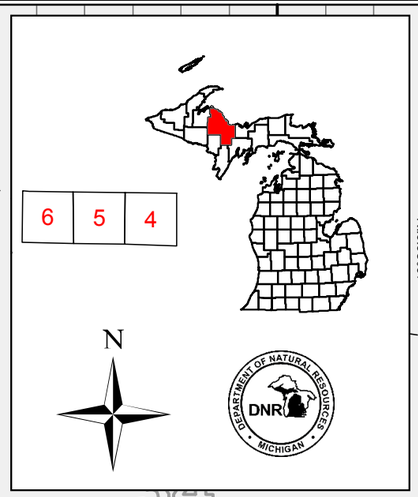
Vehicle access to the southern portion of this compartment is good by way of a paved county road (Yalmer Road). An abandoned railroad grade provides limited access to a portion of the West side of the compartment. Camp 4 road is a two track maintained by the state but is currently in poor condition due to beaver activity.

Survey Needs:

No survey needs for this year of entry.

Cover Type & Treatment Map

Compartment: 293
T46N R23W Sec. 04, 05, 06
County: Marquette
Unit: Gwinn
Management Area: Sand River Lake Plain
YOE: 2016
Acres: 1,286 GIS Calculated
Examiner: Dean Wilson
Map Revised: 09/18/2014
Map Phase: Pre-Review



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)
- Selection (Group, Single Tree)

Forest Stands

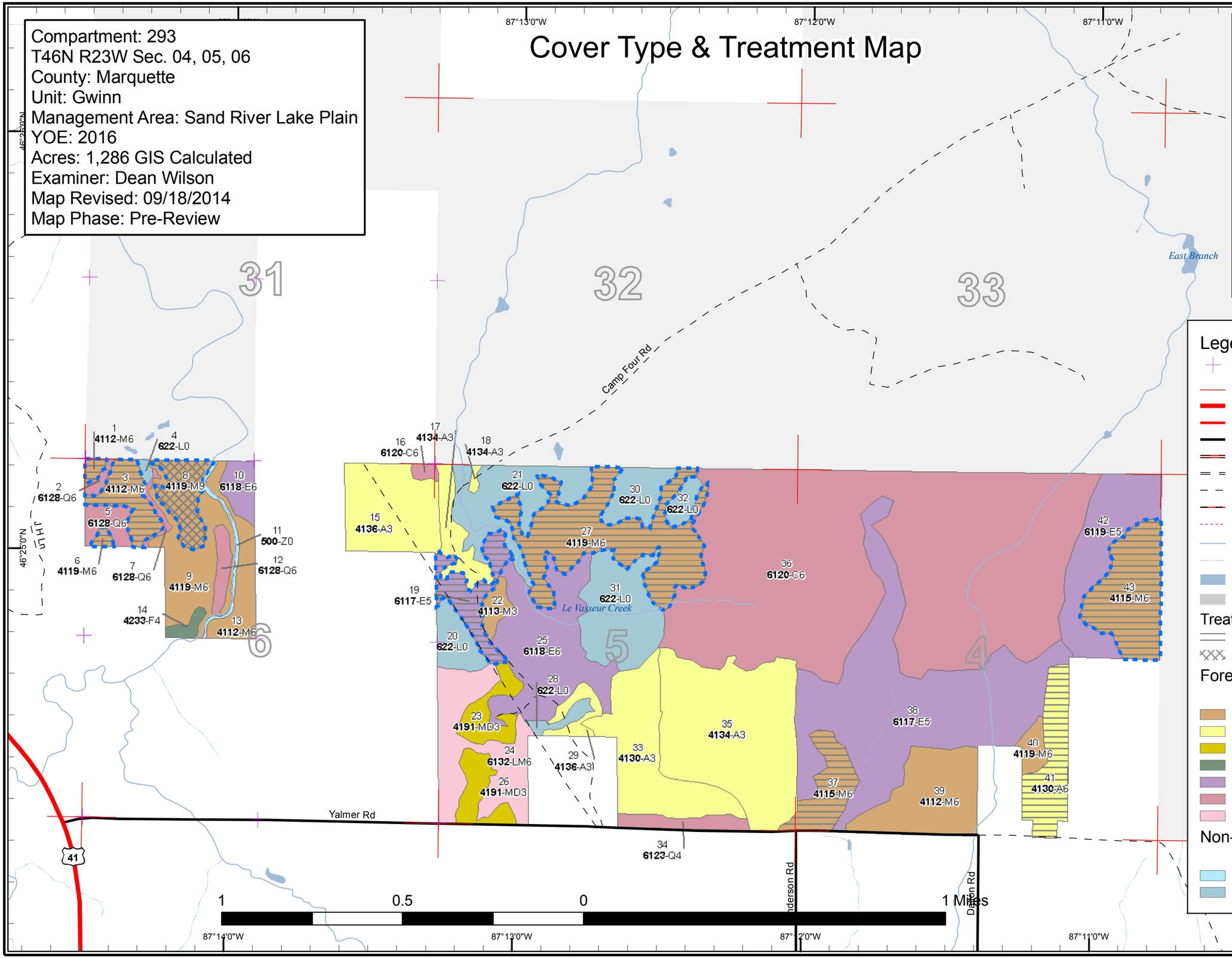
Level 3

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

Non-Forest Stands

Level 3

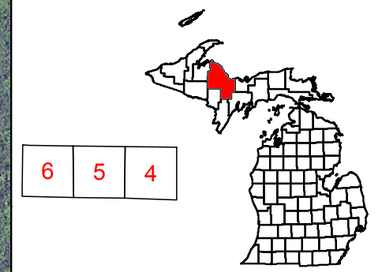
- 500 - Water
- 622 - Lowland Shrub



Stand Boundary Map

Compartment: 293
T46N R23W Sec. 04, 05, 06
County: Marquette
Unit: Gwinn
Management Area: Sand River Lake Plain
YOE: 2016
Acres: 1,286 GIS Calculated
Examiner: Dean Wilson
Map Revised: 06/23/2014
Map Phase: Pre-Review

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



Legend

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

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
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Non-Forest Stands

Level 3

- 500 - Water
- 622 - Lowland Shrub

1 0.5 0 1 Miles

Compartment: 293
T46N R23W Sec. 04, 05, 06
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Map Revised: 06/23/2014
Map Phase: Pre-Review

Special Conservation Areas & Site Conditions Map

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

Legend

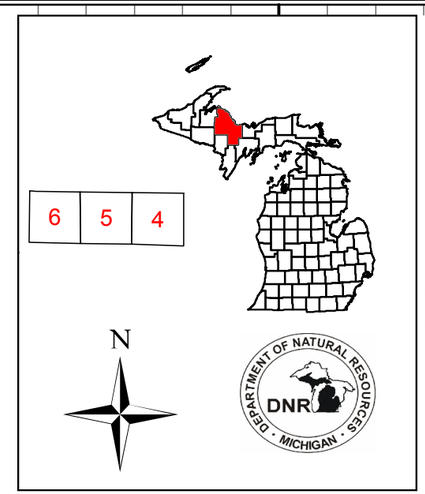
- Remonumented Section Corners
- Miris Corners
- Stand Boundaries

Reviewable SCAs
- Proposed SCA

Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)

Site Condition Type
- Available Factors W/ Constraints
  - 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable Factors
  - 3J: Water quality / BMPs (stream, river, or lake)

Special Conservation Areas
- Cold Water Streams



87°13'0"W 87°12'0"W 87°11'0"W
46°26'0"N
46°25'0"N
87°14'0"W 87°10'0"W

31 34 6 5 4 3

1 4112-M6; 2 6128-Q6; 3 4112-M6; 4 622-L0; 5 6128-Q6; 6 4119-M6; 7 6128-Q6; 8 4119-M9; 9 4119-M6; 10 6111-E6; 11 500-Z0; 12 6128-Q6; 13 4112-M6; 14 4233-F4; 15 4136-A3; 16 6120-C6; 17 4134-A3; 18 4134-A3; 19 6117-E5; 20 622-L0; 21 622-L0; 22 4113-M3; 23 4191-MD3; 24 6132-LM6; 25 6118-E6; 26 4191-MD3; 27 4113-M6; 28 622-L0; 29 4136-A3; 30 622-L0; 31 622-L0; 32 622-L0; 33 4130-A3; 34 6123-Q4; 35 4134-A3; 36 6131-E5; 37 4115-M6; 38 6131-E5; 39 4112-M6; 40 4119-M6; 41 4130-A6; 42 6119-E5; 43 4115-M6

3J - 008
3J - 003
3J - 009
3J - 010
3J - 007
3J - 005
5C - 006
3J - 004

1 0.5 0 1 Miles

Recreational Facilities and Opportunities:

There is no developed recreation in this area. The heaviest public use is for hunting and trapping.

Fire Protection:

Fire occurrence is low in this area due to wet soils. Access would be difficult within the interior if a fire were to occur off of the main roads within this compartment.

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**

Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit **Compartment 293 Year of Entry 2016**

Dean Wilson : Examiner

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	21	87	93	0	25	0	0	0	0	0	0	0	0	0	**226**
Cedar	0	0	0	0	0	0	0	0	2	0	0	0	342	0	**344**
Lowland Conifers	0	0	0	0	0	26	0	0	0	0	0	0	0	0	**26**
Lowland Deciduous	0	0	0	0	0	58	0	17	188	0	0	0	0	0	**263**
Lowland Mixed Forest	0	0	0	0	0	40	0	0	0	0	0	0	0	0	**40**
Lowland Shrub	108	0	0	0	0	0	0	0	0	0	0	0	0	0	**108**
Mixed Upland Deciduous	23	0	0	0	0	0	0	0	0	0	0	0	0	0	**23**
Northern Hardwood	5	0	0	0	0	5	0	0	239	0	0	0	0	0	**250**
Upland Spruce/Fir	0	0	0	0	3	0	0	0	0	0	0	0	0	0	**3**
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Total	**161**	**87**	**93**	**0**	**28**	**129**	**0**	**17**	**429**	**0**	**0**	**0**	**342**	**0**	**1286**

Report 2 – Proposed Treatment Summaries

Gwinn Mgt. Unit

Year of Entry 2016

Compartment 293

Total Compartment Acres: 1,286

Acres by Treatment Type

Commercial Harvest - 197	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	25	0	0	0	0	0	**25**
Lowland Deciduous Forest	17	0	0	0	0	0	**17**
Northern Hardwood	139	15	0	0	0	0	**154**
Total	**182**	**15**	**0**	**0**	**0**	**0**	**197**

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
37	32293037-Cut	18.3	4115 - Y.Birch, Hemlock NH	High Density Pole	86	111-140	Harvest	Clearcut with Reserves	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal

Prescription Specs: Final harvest retaining the pines, hemlock, and yellow birch, black cherry, cedar and white ash.

Other Comments: Consider retaining a few larger trees along Yalmer Road for aesthetics.

Next Steps: Check regeneration per work instructions.

Proposed Start Date: 10/01/2016

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
41	32293041-Cut	25.1	4130 - Aspen	High Density Pole	41	51-80	Harvest	Clearcut with Reserves	413 - Aspen	Cmpt. Review Proposal

Prescription Specs: Clearcut retaining cedar, hemlock. Winter harvest.

Other Comments: Immature aspen stand treated solely to add acres to MA plan timber target shortfall.

Next Steps: Monitor regeneration per Work Instructions.

Proposed Start Date: 10/01/2015

Total Treatment Acreage Proposed: 43.4

Report 4 -- Treatments Prescribed with a Site Condition

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	32293001-Cut	1.8	4112 - Maple, Beech, Cherry Association	High Density Pole	85	81-110	Harvest	Clearcut with Reserves	4113 - R.Maple, Conifer	Cmpt. Review Proposal

Prescription Specs: Final harvest retaining pines, white spruce, yellow birch, and black cherry if encountered.

Other Comment: If old growth remnat maple are present consider retaiining them or a portion of them, especially if they are cavity trees.

Next Steps: Check regeneration per work instructions.

Proposed Start Date: 10/01/2016

Limiting Factor: 2B: Unknown if access through adjacent landowner(s) is possible

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
3	32293003-Cut	14.2	4112 - Maple, Beech, Cherry Association	High Density Pole	85	81-110	Harvest	Clearcut with Reserves	4113 - R.Maple, Conifer	Cmpt. Review Proposal

Prescription Specs: Final harvest retaining the pines, white spruce, yellow birch, and any black cherry if encountered.

Other Comment: I remnant old growth maple are present consider retainig them especially if they are cavity trees.

Next Steps: Check regeneration per work instructions.

Proposed Start Date: 10/01/2016

Limiting Factor: 2B: Unknown if access through adjacent landowner(s) is possible

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	32293006-Cut	1.4	4119 - Mixed Northern Hardwoods	High Density Pole	85	81-110	Harvest	Clearcut with Reserves	4113 - R.Maple, Conifer	Cmpt. Review Proposal

Prescription Specs: Final harvest retaining the pines, white spruce, yellow birch and black cherry if encountered.

Other Comment: If remnant old growth maple are present consider retaining them, especially if they are cavity trees.

Next Steps: Check regeneration per work instructions.

Proposed Start Date: 10/01/2016

Limiting Factor: 2B: Unknown if access through adjacent landowner(s) is possible

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
8	32293008-Cut	14.9	4119 - Mixed Northern Hardwoods	High Density Log	85	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: Mark individual trees to attain a basal area of 70 to 90 square feet per acre.

Other Comment: Focus on crop tree release, defect removal and thinning from below. If there are groups of trees of low quality consider group selection. Favor yellow birch and black cherry for retention. Retain hemlock and all legacy trees.

Next Steps: Monitor the stand for future silvicultural needs

Proposed Start Date: 10/01/2016

Limiting Factor: 3J: Water quality / BMPs (stream, river, or lake)

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
19	32293019-Cut	17.2	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	70	51-80	Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal

Prescription Specs: Final harvest those areas that are not very wet. Retain buffers along the water courses.

Other Comment: Areas where there might be standing water should be retained as small pockets.

Next Steps: Check regeneration per work instructions.

Proposed Start Date: 10/01/2016

Limiting Factor: 3J: Water quality / BMPs (stream, river, or lake)

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
27	32293027-Cut	66.4	4119 - Mixed Northern Hardwoods	High Density Pole	86	81-110	Harvest	Clearcut with Reserves	4113 - R.Maple, Conifer	Cmpt. Review Proposal

Prescription Specs: Final harvest retaining the pines, yellow birch, white spruce, and black cherry.

Other Comment: Consider retaining the white birch. Will have to cross a wet drain to get to the southern part of this stand.

Next Steps: Check regeneration per work instructions.

Proposed Start Date: 10/01/2016

Limiting Factor: 3J: Water quality / BMPs (stream, river, or lake)

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
43	32293043-Cut	37.4	4115 - Y.Birch, Hemlock NH	High Density Pole	86	171-200	Harvest	Patch or Strip Clearcut	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal

Prescription Specs: Strip clearcut, harvest with stand 1 compt 292.

Other Comment: Cut in 1968. Experienced significant windthrow in 2002.

Next Steps: monitor regeneration per work instructions.

Proposed Start Date: 10/01/2015

Limiting Factor: 5C: Delay treatment for age/size class diversity or exceptional site quality

Total Treatment Acreage Proposed: 153.3

Report 5 – Site Conditions

Gwinn Mgt. Unit

Dean Wilson : Examiner

Compartment 293

Year of Entry 2016

Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions No	5C	3J	2B
226	226		**Aspen**	226			
344	38	306	**Cedar**	38		306	
26	26		**Lowland Conifers**	26			
263	59	204	**Lowland Deciduous**	59		204	
40	40		**Lowland Mixed Forest**	40			
23	23		**Mixed Upland Deciduous**	23			
249	126	123	**Northern Hardwood**	72	37	123	17
3	3		**Upland Spruce/Fir**	3			
1,172	540	633	Total Forested Acres	486	37	633	17
	46%	54%	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
003	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	30				
	Comments:						
004	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	139				
	Comments:						
005	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	41				
	Comments:						

006	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	37		
Comments:					
007	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	306		
Comments:					
008	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	7		
Comments:					
009	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	14		
Comments:					
010	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	65	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2G: Too wet (sensitive soils, does not include access issues)
Comments:					
011	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	17	2G: Too wet (sensitive soils, does not include access issues)	
Comments: Stream runs thru stand which is also flooded from beaver activity.					

012	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	2	2I: Survey needed	

Comments:

It appears that no road is present across the private landowner's property.

013	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	14	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	

Comments:

014	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	0	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2I: Survey needed

Comments:

015	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	1	2I: Survey needed	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)

Comments:

016	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	14		

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
5	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	4.5
Comments				
4	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	6.8
Comments				
3	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	7.5
Comments				
17	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	13.0
Comments				
12	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	19.3
Comments				
1	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	20.4
Comments				
Potential old growth.				
2	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	20.9
Comments				
14	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	21.0
Comments				
15	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	24.0
Comments				
13	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	75.6
Comments				
16	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	99.2
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
10	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	122.2

Comments

Potential old growth. Braided with streams and water courses. Quite Q-ish in places. Contains old beaver meadow (N) inclusions. Very wet site.

11	Spring-Seeps, Riparian Areas	Riparian Area	**SCA**	250.0

Comments

Potential old growth. Area braided with water courses. Wide rangeing forest conditions with some areas suffering from water damage.

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	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.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4112 - Maple, Beech, Cherry Association	High Density Pole	1.8	85	81-110	Final harvest if can get access.
2	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	2.1	59	81-110	
3	4112 - Maple, Beech, Cherry Association	High Density Pole	14.2	85	81-110	Final harvest if can get access.
5	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	7.5	59	81-110	
6	4119 - Mixed Northern Hardwoods	High Density Pole	1.4	85	81-110	Final harvest if can get access.
7	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	2.2	59	81-110	Wet Drain.
8	4119 - Mixed Northern Hardwoods	High Density Log	14.9	85	111-140	Select cut if can get access.
9	4119 - Mixed Northern Hardwoods	High Density Pole	30.0	85	111-140	SCA = Riparian zone protection on the Chocolay River watershed.
10	6118 - Lowland Deciduous with Cedar	High Density Pole	8.1	85	81-110	SCA = Riparian zone protection in the Chocolay River watershed.
12	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	5.8	59	81-110	SCA = Riparian zone protection on the Chocolay River watershed.
13	4112 - Maple, Beech, Cherry Association	High Density Pole	16.5	85	111-140	SCA = Riparian zone protection on the Chocolay River.
14	42330 - Upland Fir	Low Density Pole	2.9	44	1-50	Old farm field succeeding to forest.
15	4136 - Aspen, Mixed Conifer	High Density Sapling	38.4	15		Harvested in 1999: TS# 14-96-01.
16	6120 - Lowland Cedar	High Density Pole	1.9	86	81-110	Very wet...was left when surrounding timber was cut.
17	4134 - Aspen, Spruce/Fir	High Density Sapling	13.0	4		Harvested in 2010.
18	4134 - Aspen, Spruce/Fir	High Density Sapling	1.1	4		Harvested in 2010.
19	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	17.2	70	51-80	Final harvest...buffer stream.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	4113 - R.Maple, Conifer	High Density Sapling	5.5	4		Harvested in 2010.
23	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	11.8	4		Harvested in 2010.
24	6132 - Mixed Lowland Forest with Cedar	High Density Pole	40.0	50	51-80	Portions of this stand were cut in 1970. Several water courses flow through tis area.
25	6118 - Lowland Deciduous with Cedar	High Density Pole	58.1	59	1-50	SCA = Riparian protection. Area is braided with water courses and drains.
26	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	11.4	2		Harvested in 2012: TS# 301-06-01.
27	4119 - Mixed Northern Hardwoods	High Density Pole	66.4	86	81-110	
29	4136 - Aspen, Mixed Conifer	High Density Sapling	6.5	4		Harvested in 2010.
33	4130 - Aspen	High Density Sapling	48.5	17		Harvested in 1997: TS# 21-96.
34	6123 - Lowland Fir	Low Density Pole	8.1	59	1-50	Stand partially cut in 1998: TS# 21-96. All softwood retain to act as a visual buffer along Yalmer Road.
35	4134 - Aspen, Spruce/Fir	High Density Sapling	93.0	23	1-50	Harvested in 1990: TS# 12-86. Mostly upland but contains significant wet areas.
36	6120 - Lowland Cedar	High Density Pole	342.0	153	111-140	SCA = Riparian protection. Areea is braided with streams and other water courses.
37	4115 - Y.Birch, Hemlock NH	High Density Pole	18.3	86	111-140	
38	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	138.6	86	1-50	SCA = Riparian protection. Braided with streams and other watercourses. Contains beaver meadows and larger tag alder inclusions. Very wet.
39	4112 - Maple, Beech, Cherry Association	High Density Pole	38.7	86	51-80	Select cut in 2012:: TS# 126-07-01.
40	4119 - Mixed Northern Hardwoods	High Density Pole	5.5	59	51-80	
41	4130 - Aspen	High Density Pole	25.1	41	51-80	
42	6119 - Mixed Lowland Deciduous Forest	Medium Density Pole	40.8	86	1-50	SCA = Riparian protection. Area is braided with streams and other water courses.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	4115 - Y.Birch, Hemlock NH	High Density Pole	37.4	86	171-200	Cut in 1968. Experienced significant windthrow in 2002.

Report 9 – Nonforested Stands

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	6220 - Alder/willow	1.3	No	Unspecified	
11	50 - Water	3.4	No	Unspecified	Chocolay River.
20	6223 - Inundated Shrub Swamp	11.4	No	Unspecified	
21	6220 - Alder/willow	35.2	No	Unspecified	
28	6220 - Alder/willow	3.8	No	Unspecified	
30	6220 - Alder/willow	13.9	No	Unspecified	
31	6220 - Alder/willow	37.1	No	Unspecified	
32	6220 - Alder/willow	5.4	No	Unspecified	