

# **Compartment Review Presentation**

**Gwinn Forest Management Unit** 

Compartment 32213 Entry Year 2016

Acreage: 626.26070000

**County Marquette** 

Management Area: Peshekee Highlands

Revision Date: 2014-09-18

Stand Examiner: Jason Caron

**Legal Description:** 

T48N, R29W, Sections 8 and 16.

# **Identified Planning Goals:**

Harvest older stands of aspen, birch and poorer quality oak to encourage regeneration of these deciduous species. Selectively harvest northern hardwood types to improve quality and promote regeneration.

# Soil and topography:

Surface sediments consist of thin to discontinuous glacial outwash sand and gravel and postglacial alluvium. Topography ranges from relatively level creek bottoms, swamp conifer, tag alder with bog or marshlands to rugged upland with rock outcroppings and rocky soils. Deep ravines also exist along some of the drainages making for treacherous walking in some locations.

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

State ownership here is a scattered checkerboard arrangement surrounded and intermixed with large corporate forest holdings that are increasingly becoming private land holdings. Development is very limited with a few seasonal cottages or hunting camps widely distributed. Production of forest products along with low with hunting, trapping and fishing make up the land uses in this compartment.

#### **Unique Natural Features:**

Round Lake and the various outlet creeks of Wolf, Clear and Log Lakes come together to form the Middle Branch of the Escanaba River.

# Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

# **Special Management Designations or Considerations:**

None.

#### Watershed and Fisheries Considerations:

No fisheries concerns within this compartment. Apply best management practices when cutting near any water body or stream.

#### Wildlife Habitat Considerations:

Compartment 213 is found within the Peshekee Highlands Management Area; on a Bedrock Controlled Ground Moraine in east central Baraga and northwestern Marquette County. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and boreal forests. This management area receives significant snowfall and does not offer wintering habitat for deer. As a result, many tree species that do not reliably recruit across the Ecoregion are found in numerous age classes across this management area. Additionally, three of the largest tracts of mature forest in the Great Lakes (e.g. McCormick Tract, Craig's Lake Wilderness State Park, and the Huron Mountain Club) occur within or adjacent to this management area, the best example of a dry mesic northern forest (Rocking Chair Lakes) in the state and two of the top eight examples of Mesic Northern Forest statewide occur here. The current condition and spatial arrangement of these areas provide some of the best opportunities within the WUP, state, and Great Lakes for area sensitive wildlife requiring large tracts of mature forest, mesic conifer or corridors between such areas. Wildlife management issues in this management area are: habitat fragmentation; course woody debris; retain or develop large living and dead standing trees (for cavities); mesic conifer; mature forest; within-stand diversity; early successional forest (hardwood browse adjacent to closed canopy lowland conifer swamps); and course woody debris.

The following have been identified as featured species for the Peshekee Highlands Management area: American marten, blackburnian warbler, gray jay, moose, northern goshawk, and pileated woodpecker.

# Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of thin to discontinuous glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 100 and 200 feet or there is insufficient data to determine the thickness. Precambrian Archean Granite/Gneiss subcrops below the glacial drift. The Granite/Gneiss could be used for building or dimension stone. Gravel pits are located in the area, but potential appears to be limited. Abandoned iron mines are located to the south. This compartment was not previously leased for metallic exploration. There is no economic oil and gas production in the UP.

#### Vehicle Access:

The Burma Road leading North from the Clowry grade (an abandoned or railroad siding) is the only access to this compartment. It is a very hilly narrow road that recently has been brushed and upgraded.

#### **Survey Needs:**

No survey requests for this year of entry.

# **Recreational Facilities and Opportunities:**

No recreational development has occurred in this compartment. A portion of the Burma Road is used as a groomed snowmobile trail. Other activities include hunting, fishing, biking, trapping, prospecting, berry picking and moose watching!

#### **Fire Protection:**

This compartment is included within the normal fire protection area of the Ishpeming DNR field office with backup available as needed from other DNR units.

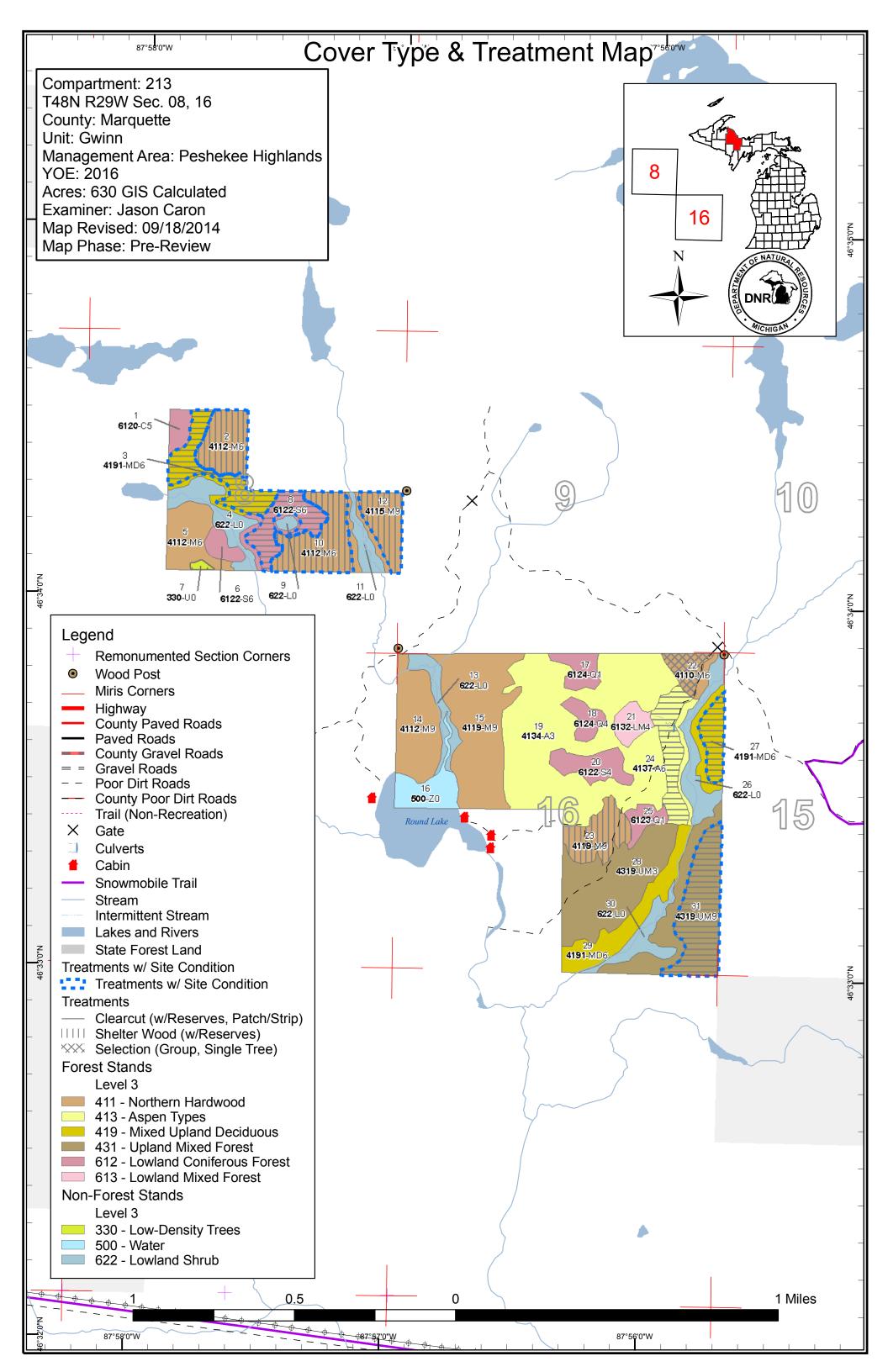
## **Additional Compartment Information:**

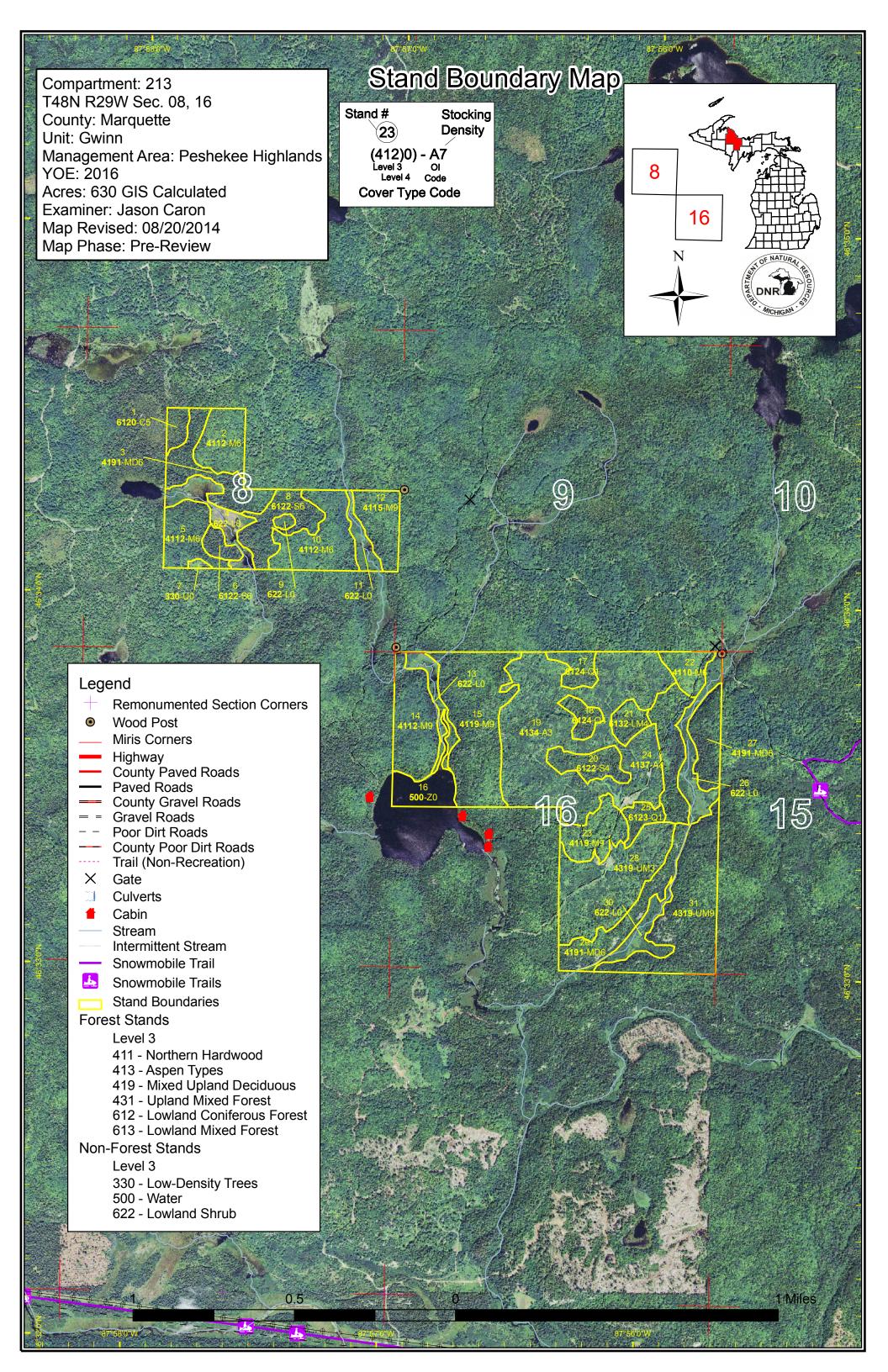
The following reports from the Inventory are attached:

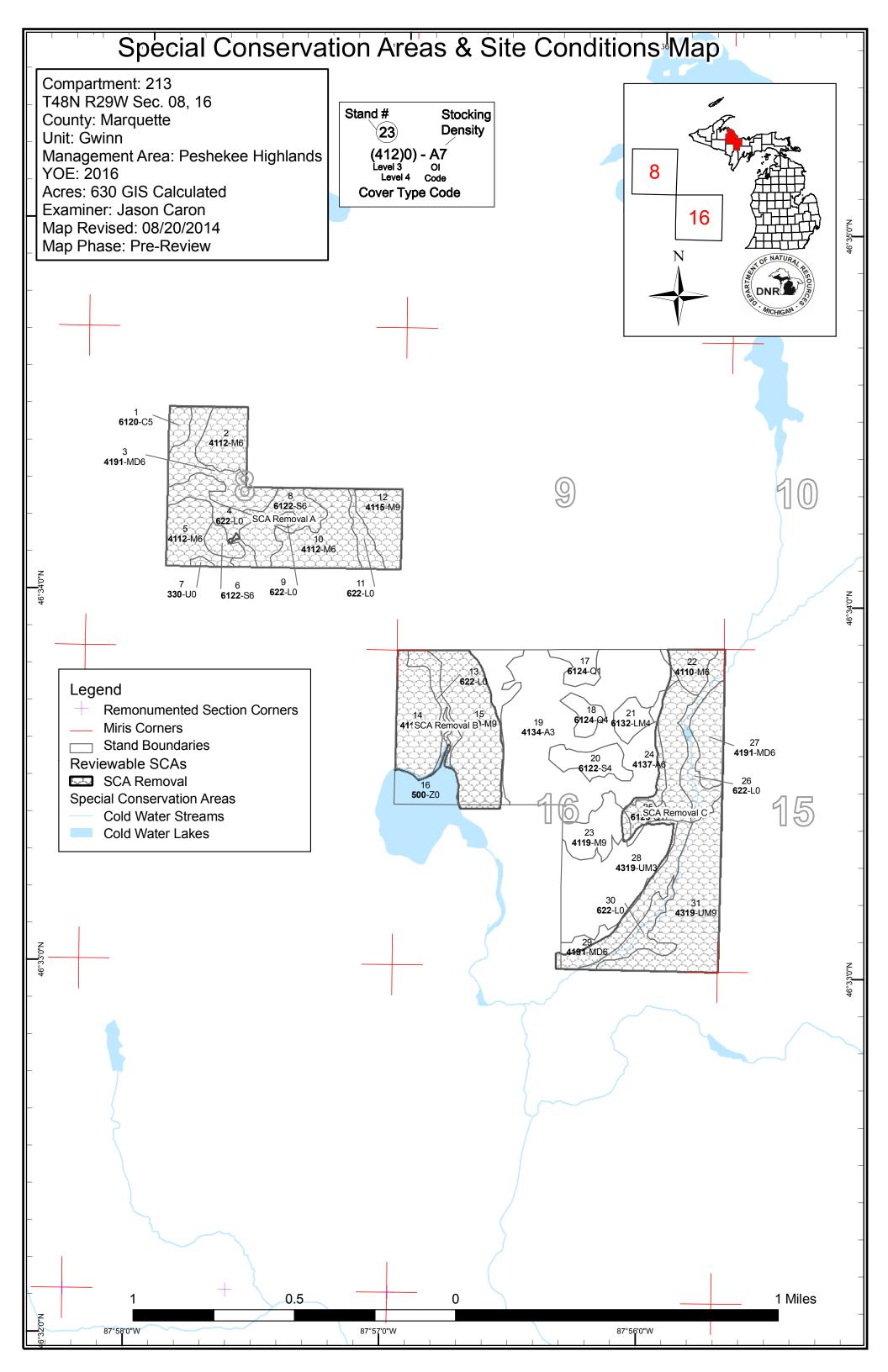
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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 213 Year of Entry 2016

Jason Caron : Examiner

Gwinn Mgt. Unit



#### Age Class Nage A 70,70 10,0 70,00 స్ట్ర g g 80°50 \$0.00 \$0.00 70× Aspen Cedar Low-Density Trees **Lowland Conifers Lowland Mixed Forest** Lowland Shrub Lowland Spruce/Fir Mixed Upland Deciduous Northern Hardwood Upland Mixed Forest Water Total



# **Report 2 – Proposed Treatment Summaries**

Gwinn Mgt. Unit Compartment 213
Year of Entry 2016 Total Compartment Acres: 630

# **Acres by Treatment Type**

Other - 0

Commercial Harvest - 172 Tree Planting - 0

Habitat Cut - 0

Opening Maintenance - 0

**Cover Type by Harvest Method** The second secon Zinin S Aspen Types **Lowland Coniferous Forest Mixed Upland Deciduous** Northern Hardwood **Upland Mixed Forest** Total 

Gwinn Mgt. Unit

# Report 3 -- Treatments Prescribed

Compartment: 213

DEPARTMEN	DNR
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S					with	No Limit	ting Factor		Year of Entry 2016	DNR DNR
a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
22	32213022-Cut	7.4	4110 - Sugar Maple Association	High Density Pole	70	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Cmpt. Review Proposal
Preso Spec		-	e selection on this sta stand down to 70-80		•	quality, sup	pressed trees. M	fark only maple, do	not mark under repres	sented trees
Other Comm			lowage may exist alon e everything East of th	•		•	f the stand, buffe	r accordingly if it ex	kists. Adjusted the trea	tment
Next Steps			t with a regeneration s od, balsam fir, white sp					regeneration includ	les: aspen, maple, che	rry, yellow and
Propo Start [		15								
23	32213023-Cut	16.6	4119 - Mixed Northern Hardwoods	High Density Lo	88	111-140	Harvest	Shelterwood	411 - Northern Hardwood	Cmpt. Review Proposal
Preso Spec	s: yellow b	irch and ced		oak trees ap	prox. 1-				ne stand such as oak, Cut all merchantable	
Other Comr	_ I noticed ments:	I some crow	vn dieback in a few are	eas within tl	he stand	l.				
Next Steps			t with a regeneration s od, balsam fir, white sp					regeneration includ	les: aspen, maple, che	rry, yellow and
Propo Start [		15								

32213024-Cut

16.7 4137 - Aspen, Birch

High Density Pole

70

Harvest

Clearcut with Reserves

4134 - Aspen, Spruce/Fir

Cmpt. Review Proposal

Prescription Clearcut with reserves. Do not cut oak, cedar, hemlock, pine and yellow birch. Keep the red line at the crest of the North/South ridge on the East Specs: side of the stand. Red line out drainages within the stand.

Wildlife asks to leave a patch of mature big tooth aspen and healthy white birch. This should not be a problem as the eastern slope of the stand will consist of these species.

<u>Other</u>

A steep ridge slopes East and will need to be excluded due to the steep slope. Keep red line at the top of this ridge. Adjusted the treatment boundary along the East edge of the stand to account for the steep terrain (buffer area).

Next Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration includes: aspen, maple, cherry, yellow and Steps: paper birch, ironwood, balsam fir, white spruce, white pine and red pine.

Proposed

Comments:

Start Date: 10/01/2015

**Total Treatment** 

40.7 **Acreage Proposed:** 

S t			Gwi	nn Mgt. Unit	Report 4		eatment Site Con	ts Prescribed dition	d with	Compartment: 213 Year of Entry 2016	DNR DNR
a n d		tment ame	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	32213	002-Cut	17.1	4112 - Maple, Beech, Cherry Association	High Density Pole	80	111- 140	Harvest	Shelterwood	411 - Northern Hardwood	Cmpt. Review Proposal
Prescr Specs:				od harvest. Leave un ıal basal area should				hemlock, pine,	cedar and large ye	llow birch. Focus on rer	moving red and
		No chipp	ing allowed								
Other Comm	nent:	Did the in stand.	nventory wit	h alot of snow on the	ground. Ha	ard to dis	cern if the	re were any strea	ams or flowages p	resent. Rocky areas thre	oughout the
<u>Next</u> Steps:				with a regeneration s d, balsam fir, white s					regeneration inclu	ides: aspen, maple, che	erry, yellow and
Propos Start D		10/01/20	15								
Limitin	ig Fact	<u>or</u>	2B: L	Jnknown if access the	rough adjac	ent lando	owner(s) is	possible			
3	32213	003-Cut	18.5	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	85		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
Prescr Specs:				es. Red line out any offer along the souther						yellow birch and pine w	ithin the stand.
		No chipp	ing allowed								
Other Comm	nent:			ainages. I gave this s Southern edge to acc				the stand to the E	East (stand 2) was	treated as well. Adjuste	ed the treatment
Next Steps:				with a regeneration s d, balsam fir, white s					regeneration inclu	ides: aspen, maple, che	erry, yellow and
Propos Start D		10/01/20	15								
<u>Limitin</u>	ig Fact	or	2B: U	Jnknown if access the	rough adjac	ent lando	owner(s) is	possible			
8	32213	008-Cut	15.3	6122 - Black Spruce	High Density Pole	78		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
Prescr Specs:	•			es. Do not cut cedar, ve as retention. Inclu					d areas and the dra	ainage along the SW ed	ge of sale.
		No chipp	ing allowed								
Other Comm	nent:	I did not	walk the en	tire stand due to sno						exist within the interior nd in the center to acco	
Next Steps:				with a regeneration s d, balsam fir, spruce				ions. Acceptable	regeneration inclu	ides: aspen, maple, che	erry, yellow and
Propos Start D		10/01/20	15								

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

**Limiting Factor** 

Gwinn Mgt. Unit Report 4 -- Treatments Prescribed with Compartment: 213 a Site Condition S Year of Entry 2016 а **Treatment** BA **Treatment Treatment Cover Type** CoverType Size Stand **Approval** n d Name Density Age Range Type Method Objective Status 25.3 High 70 Shelterwood 411 - Northern Cmpt. Review 10 32213010-Cut 4112 - Maple, 141-Harvest Beech, Cherry Density 170 Hardwood Proposal Association Pole Prescription Perform a shelterwood harvest. Leave under represented trees such as hemlock, pine, cedar and large yellow birch. Focus on removing red and Specs: sugar maple. Residual basal area should be around 40-50 square feet. Favor black cherry for mast production. No chipping allowed. Did the inventory with alot of snow on the ground. Hard to discern if there were any streams or flowages present. Rocky areas throughout the Other Comment: stand. Adjusted the treatment boundary along the East edge to account for buffered area. Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration includes: aspen, maple, cherry, yellow and Next paper birch, ironwood, balsam fir, white spruce, white pine and red pine. Steps: Proposed 10/01/2015 Start Date: Limiting Factor 2B: Unknown if access through adjacent landowner(s) is possible 32213012-Cut 14.2 4115 - Y.Birch. Shelterwood 411 - Northern Cmpt. Review 12 High 80 111-Harvest Hemlock NH Density Log 140 Hardwood Proposal Prescription Perform a shelterwood harvest. Leave under represented trees such as hemlock, pine, cedar and large yellow birch. Focus on removing red and sugar maple. Residual basal area should be around 40-50 square feet. Specs: No chipping allowed. Did the inventory with alot of snow on the ground. Hard to discern if there were any streams or flowages present. Rocky areas throughout the Other stand. Adjusted the treatment boundary along the West edge to account for buffered area. Comment: Next Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration includes: aspen, maple, cherry, yellow and paper birch, ironwood, balsam fir, white spruce, white pine and red pine. Steps: <u>Proposed</u> 10/01/2015 Start Date: 2B: Unknown if access through adjacent landowner(s) is possible **Limiting Factor** 9.4 Cmpt. Review 27 32213027-Cut 4191 - Mixed High 67 Harvest Clearcut with 4134 - Aspen, **Upland Deciduous** Density Reserves Spruce/Fir Proposal with Conifer Pole Prescription Clearcut with reserves. Do not cut yellow birch, white or red pine. Retain a patch of mature timber for retention purposes. Specs: Wildlife asks to leave a patch of mature big tooth aspen and healthy white birch. This should not be a problem as the Western slope of the stand will consist of these species. No access to this stand at the present time. Put a treatment and LF on this stand in the event Plum Creek decides to cut next to it. I adjusted the Other 4 2 2 treatment boundary to reflect the steep ridge on the West side of the stand that in inoperable. Comment: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration includes: aspen, maple, cherry, yellow and **Next** Steps: paper birch, ironwood, balsam fir, white spruce, white pine and red pine. Proposed 10/01/2015 Start Date: Limiting Factor 2E: Road needed 32213031-Cut 31.8 4319 - Mixed 88 4134 - Aspen. 31 High Harvest Clearcut with Cmpt. Review **Upland Forest** Density Log Reserves Spruce/Fir Proposal Prescription Clearcut with reserves. Do not cut oak, pine, hemlock, cedar and yellow birch. Retain a patch of mature timber for retention purposes. Wildlife asks to leave a patch of mature big tooth aspen and healthy white birch. This should not be a problem as the Western slope of the stand Specs: will consist of these species. Other Adjusted the treatment boundary along the stream corridor on the West side of the stand. I only made a remote call on this stand from a ridge top nearby therefore species composition may vary from my inventory calls. I put a treatment and LF on this stand in the event Plum Creek cuts Comment: their property to the East and provides access to this stand. Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration includes: aspen, maple, cherry, yellow and Next Steps: paper birch, ironwood, balsam fir, white spruce, white pine and red pine. **Proposed** 10/01/2015 Start Date:

**Limiting Factor** 

2E: Road needed

Gwinn Mgt. Unit Report 4 -- Treatments Prescribed with a Site Condition

Stand

Age

ВА

Range

**Treatment** 

Type

**Treatment** 

Method

Size

Density

Compartment: 213 Year of Entry 2016

**Cover Type** 

Objective

Approval Status

Name **Total Treatment** 

**Treatment** 

s

t

n

Acreage Proposed:

131.5

CoverType

Gwinn Mgt. Unit

Jason Caron: Examiner

Compartment 213
Year of Entry 2016

Avail	ability for I	<b>V</b> lanagement					
Total	Acres	Acres	1	Domina	nt Site	Cond	ditions
Acres	Available	Not Available		No	2F	2E	2B
138	138		Aspen	138			
5	5		Cedar				5
20	20		Lowland Conifers	20			
7	7		Lowland Mixed Forest	7			
36	36		Lowland Spruce/Fir	12			24
59	37	22	Mixed Upland Deciduous	6	22	9	22
188	105	83	Northern Hardwood	26	83		79
99	99		Upland Mixed Forest	68		32	
553	448	105	Total Forested Acres	277	105	41	130
	81%	19%	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.

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	Available	2B: Unknown if access through adjacent landowner(s) is possible	154	2E: Road needed	No Limiting Factor		
С	Comments:						
003	Not Available	2F: Too steep	106				
	comments: 'ery rugged terrain	within the stands. Rock cliffs	and drain	ages throughout.			
004	Available	2E: Road needed	32	No Limiting Factor			
S	Comments:  Spoke with Pat Riley with Plum Creek on 4-4-14 and he stated they may cut the timber on the West side of Sec. 15 in a few years. If they do harvest we could then possibly cut this stand.						

# **Report 5 – Site Conditions**

Gwinn Mgt. Unit

Jason Caron: Examiner

Compartment 213
Year of Entry 2016

005	Available	2E: Road needed	9	No Limiting Factor				
Sp	Comments:  Spoke with Pat Riley with Plum Creek on 4-4-14 and he stated they may cut the timber on the West side of Sec. 15 in a few years. If they do harvest we could then possibly cut this stand.							
006	Not Available	2F: Too steep	22					
	omments: eep hillside that slo	pes down to the creek below	. Too stee	ep to harvest.				

Gwinn Mgt. Unit Compartment: 213 Year of Entry: 2016



# 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 B	Potential Old Growth		SCA Removal	81.5
Comments No Potential Old Growth	n characteristics exist within this part of	comp. 213.		
SCA Removal A	Potential Old Growth		SCA Removal	154.0
Comments No Potential Old Growth	n Qualities exist within this part of comp.	. 213.		
SCA Removal C	Potential Old Growth		SCA Removal	154.3
Comments No Potential Old Growth	n Characteristics exist within this part of	comp. 213.		

Gwinn Mgt. Unit Compartment: 213





# 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.

Conservati Area	ion Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen stocked trout populations and those of other coldwater fis conditions for coldwater fishes may occur in Michigan lak groundwater inflows, or are located in colder (northern) a Director's action and designated as trout resources by Fisher	sh species to persist from year to year. Suitable tes if they are relatively deep, have substantial treas of the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxyge stocked trout populations and those of other coldwater fis year to year. Coldwater streams in Michigan typically procontributions of groundwater to their stream flows. Such stream as trout resources by Fisheries Order 210.	sh species (e.g., slimy sculpin) to persist from vide these conditions due to substantial

S t	Gwinn Mgt. Unit			Report 8	<ul><li>Forested</li></ul>	Stands Compartment: 2 Year of Entry: 2	\\$\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	MICHIGAN OF
1	6120 - Lowland Cedar	Medium Density Pole	5.1	88		Stand of swamp conifer of poor quality. W contains low density pole sized cedar with regeneration underneath. Southern end of st spruce but a lot of it is infected with mistleto coordinates for the mistletoe area so he c GDSE.	n very nice cedar and has more black e. I sent Bob Heyd
2	4112 - Maple, Beech, Cherry Association	High Density Pole	17.1	80	111-140	Stand of poorer quality hardwood. Overall a with pockets of larger diameter sugar maple Ravines and drainages exist throughout t scattered white pine within the stand and I r white pine snags as well. I noticed top dieba	e and yellow birch. The stand. A few The stand a few large The stands are sta
3	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	21.8	85		Upland stand of poor quality white birch, ba mixed with pulp sized red maple and whit surrounds a drainage to the South. Stand is white birch, maple and fir of poorer quality. Vapart within the stand. Ravines and drainage	e spruce. Stand s a mix of spruce, Vhite birch is falling
5	4112 - Maple, Beech, Cherry Association	High Density Pole	17.7	80	81-110	Smaller diameter maple on the West side of slopes down to the East the diameter of timb sugar maple regeneration in the ur	oer increases. Nice
6	6122 - Black Spruce	High Density Pole	5.1	93		Nice stand of mature black spruce mixed wi is holding up well despite it's	
8	6122 - Black Spruce	High Density Pole	19.0	78		Stand of spruce, birch, balsam and maple	of decent quality.
10	4112 - Maple, Beech, Cherry Association	High Density Pole	27.8	70	141-170	Area quite rugged with poor access. Stand outcrops, timber is smaller diameter, pulp s down from North to South. More conifer wit and overstory as it slopes. White birch	size. Stand slopes hin the understory
12	4115 - Y.Birch, Hemlock NH	High Density Log	16.7	80	111-140	Stand of poorer quality sugar maple and ye quality advanced sugar maple within the und large ravines within the star	erstory. A couple of
14	4112 - Maple, Beech, Cherry Association	High Density Log	28.3	104	81-110	Stand is growing on numerous hills. Poorer Sugar maple regeneration in the understo touches north west corner of the stand but th combined with mountainous terrain in the	ory. Private road ne road is too steep
15	4119 - Mixed Northern Hardwoods	High Density Log	55.5	104	141-170	Mixed stand of poorer quality white birch, m thick understory of balsam fir exists. Stand is age. Rocky ground, some areas of large hot Some top dieback occuring in maple. Stan- East/West ravines with drainages on	falling apart due to use sized boulders. d is on a series of
17	6124 - Lowland Spruce- Fir	Low Density Sapling	7.6	30		In looking at imagery it appears this stand conspruce/fir and was excluded from the previous	
18	6124 - Lowland Spruce- Fir	Low Density Pole	6.1	75		Area of low ground that was excluded from t	the last timber sale.

S t	Gwini	n Mgt. Unit		Report 8	– Forested	Stands Compartment: 213 Year of Entry: 2016
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	4134 - Aspen, Spruce/Fir	High Density Sapling	118.0	14		Stand was cut in 1999. OI notes say that good scarification occurred during the sale. As a result a broad mix of species exist. Nice regeneration with a mix of species.
20	6122 - Black Spruce	Low Density Pole	11.9	75		Exclusion from an adjacent timber sale. Stand of sparse black spruce mixed with a few cedar and tamarack. Ground is very wet.
21	6132 - Mixed Lowland Forest with Cedar	Low Density Pole	7.0	95		Stand of lowland species of poor quality. Wet ground. Stand is essentially the headwaters of a small stream that flows East.
22	4110 - Sugar Maple Association	High Density Pole	9.5	70	141-170	Dense stand of sugar maple that is need of thinning. Sugar maple is decent quality.
23	4119 - Mixed Northern Hardwoods	High Density Log	16.6	88	111-140	Stand was cut in1999 but only the aspen, spruce and fir was cut. Stand consists of poorer quality hardwood. I can see areas of dead tops. I noticed a few yb in the stand as well,
24	4137 - Aspen, Birch	High Density Pole	20.7	70		Stand of mature aspen, birch and maple. Timber is old and is need of management.
25	6123 - Lowland Fir	Low Density Sapling	6.0	25		Very wet stand of mostly young balsam mixed with tamarack. A few mature black spruce and cedar exist but for the most part it consists of young balsam and thick tag alder.
27	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	15.4	67		Mature stand of birch, aspen and spruce growing on a steep hillside. Stand slopes down to drainage below.
28	4319 - Mixed Upland Forest	High Density Sapling	48.1	15		Stand cut in 1999. OI notes state good scarification occurred on the site during the harvest which resulted in good regeneration. Nice regeneration throughout. Moose browse throughout the stand.
29	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	23.0	88		Long and narrow stand that was left due to terrain, East half of stand is a cliff which goes down to a drainage. White birch is old and is starting to fall apart.
31	4319 - Mixed Upland Forest	High Density Log	51.6	88		steep drainage to cross for access. I was able to get a good vantage point from a rock knob from the adjacent stand to the west.

# Report 9 - Nonforested Stands

Compartment: 213 Year of Entry: 2016



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	6220 - Alder/willow	14.7	No	Unspecified	
7	3303 - Mixed Low Density Trees	1.0	Natural Reger	n√lixed Upland Deciduous	Stand consists of a small clearcut. Adjacent landowner had their property cut as well in what appears to be the same time. I am not sure if this was a trespass but the cut appears to be at least 5-10 years ago. I could not find control nearby to verify if the compartment boundary should be moved further North.
9	6220 - Alder/willow	1.5	Unspecified	Unspecified	
11	6220 - Alder/willow	6.6	No	Unspecified	
13	6220 - Alder/willow	9.1	No	Unspecified	
16	50 - Water	15.1	No	Unspecified	
26	6220 - Alder/willow	15.4	No	Unspecified	
30	6220 - Alder/willow	10.5	No	Unspecified	