

# **Compartment Review Presentation**

**Grayling Forest Management Unit** 

Compartment 72215 Entry Year 2017 Acreage: 1,540 County Crawford Management Area: Grayling Ice Contact

Revision Date: 2015-09-01

Stand Examiner: Paul Roell

## Legal Description:

T28N R03W Sections 20, 29 and 30

### **Identified Planning Goals:**

Maintain forest health, productivity, sustainability, species diversification and structural diversity of the resources while providing for multiple uses of the land.

### Soil and topography:

Predominately Kalkaska and Rubicon sands. Topography is mainly flat to rolling, with a few steeper hills in Section 20.

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

Compartment 215 consists of three contiguous sections of land, of which has some private ownership. Section 30 is bisected by the I-75 freeway. Land use in this area is slowly changing from uninhabited to residential.

### **Unique Natural Features:**

None

### Archeological, Historical, and Cultural Features:

There are two archaeological sites are located within this compartment. Sites will not be impacted by the treatments.

## **Special Management Designations or Considerations:**

None

#### Watershed and Fisheries Considerations:

Fisheries Concerns. There are no water bodies in this compartment. Fisheries have no concerns at this time.

### Wildlife Habitat Considerations:

The compartment has decent wildlife habitat potential due to the many young aspen stands in the area. Numerous nonmaintained grassy openings are scattered throughout the compartment. Old apple trees exist in a few of these openings.

#### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact outwash sand and gravel. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift is the Coldwater Shale. The Coldwater does not have an economic use. There is a potential gravel pit located in Section 31 and potential is good in the area. The compartment was leased and developed for the Antrim Shale, but all wells have been plugged and abandoned.

## Vehicle Access:

The entire compartment is easily accessed from on of four County Roads (Babbitt, Feldhauser, Roberts and C.612), as well as numerous trail roads.

#### Survey Needs:

None at this time.

# **Recreational Facilities and Opportunities:**

The compartment does not contain any designated recreational trails. The area hosts a number of dispersed recreational activities. Forbush Cross Country Ski Headquarters is located across County Road 612, south of Section 29, which promotes use of trails in section 29 for skiing.

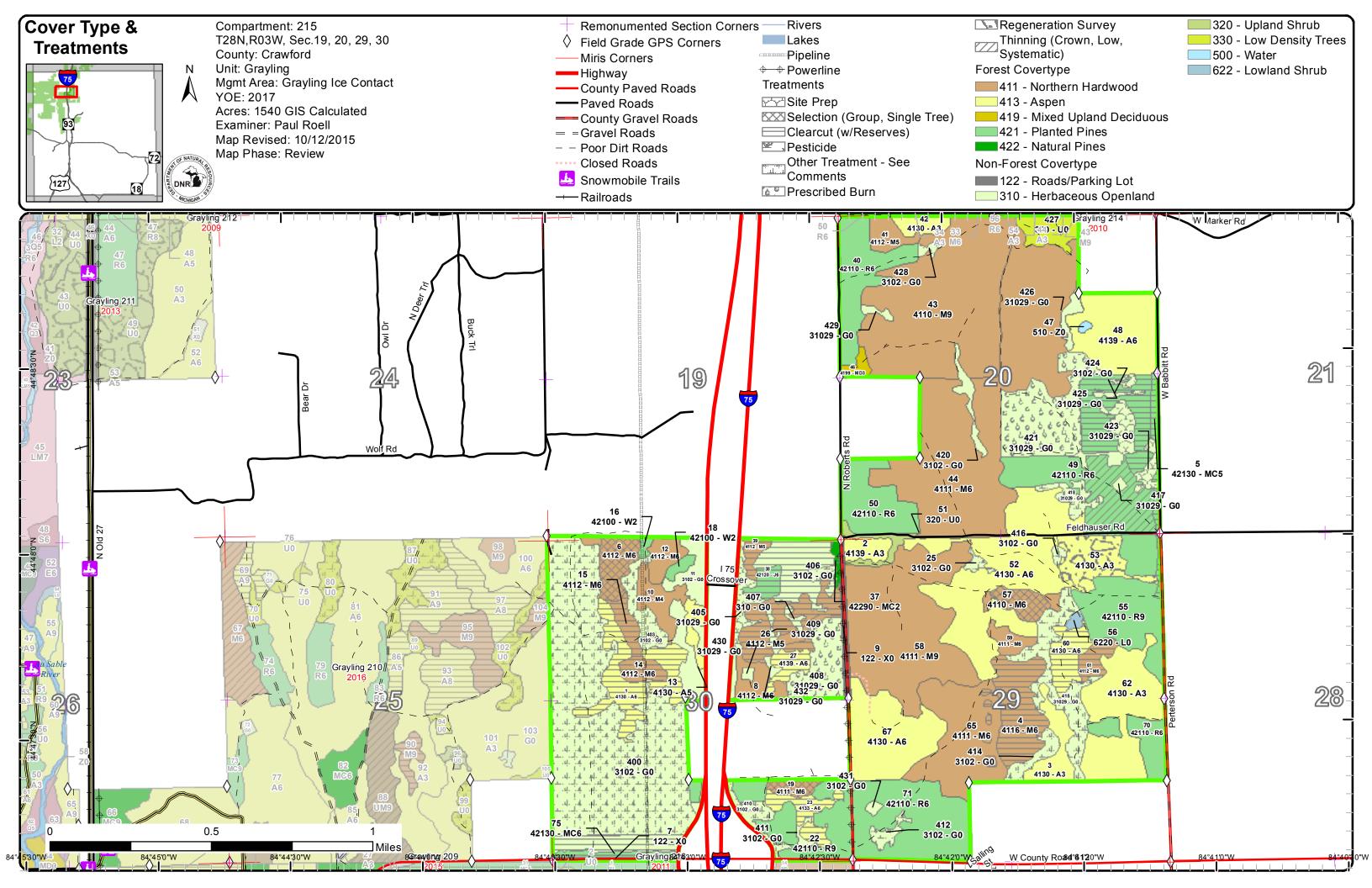
# **Fire Protection:**

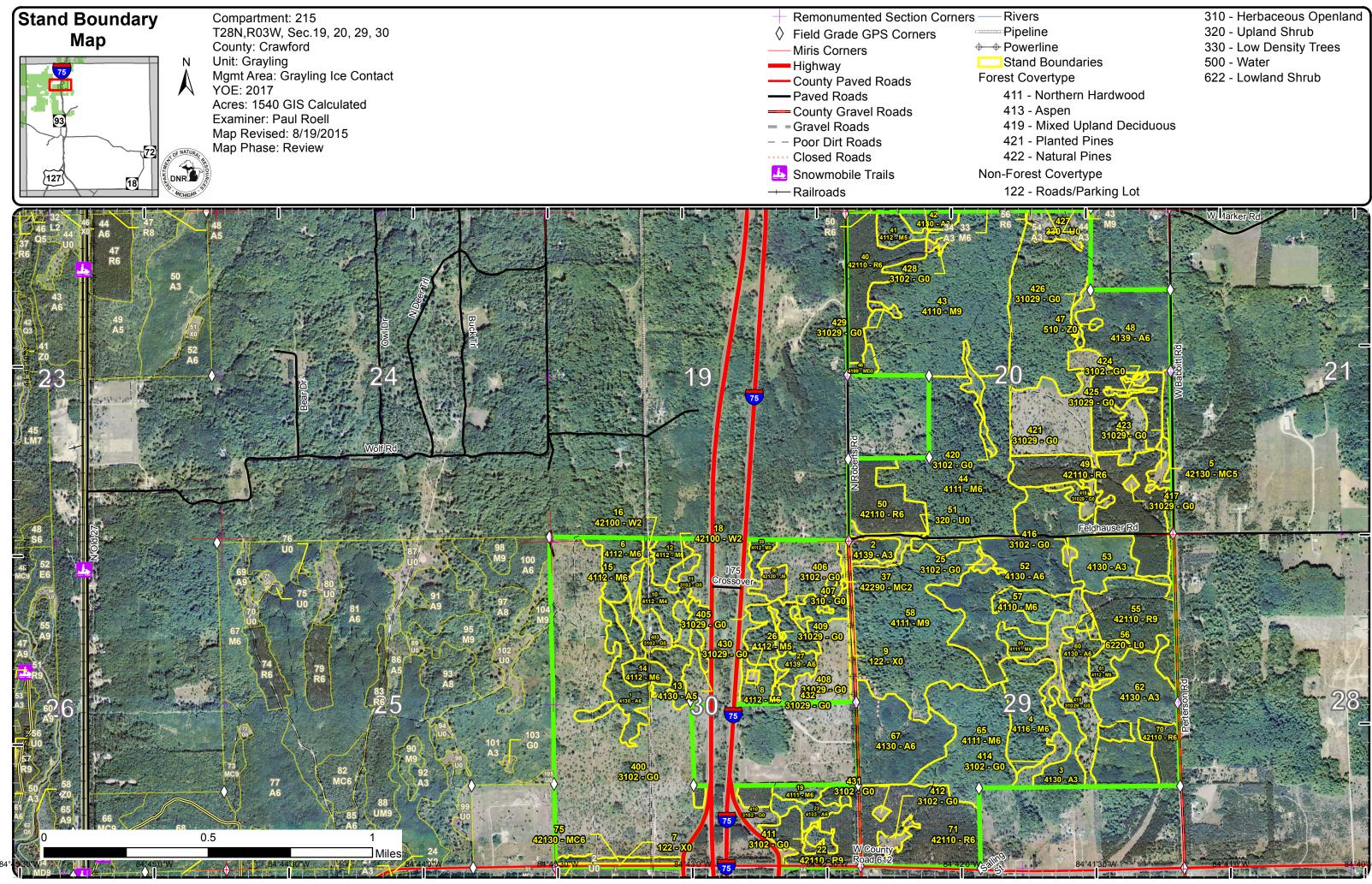
Current road system is adequate, and no timber conversion is needed.

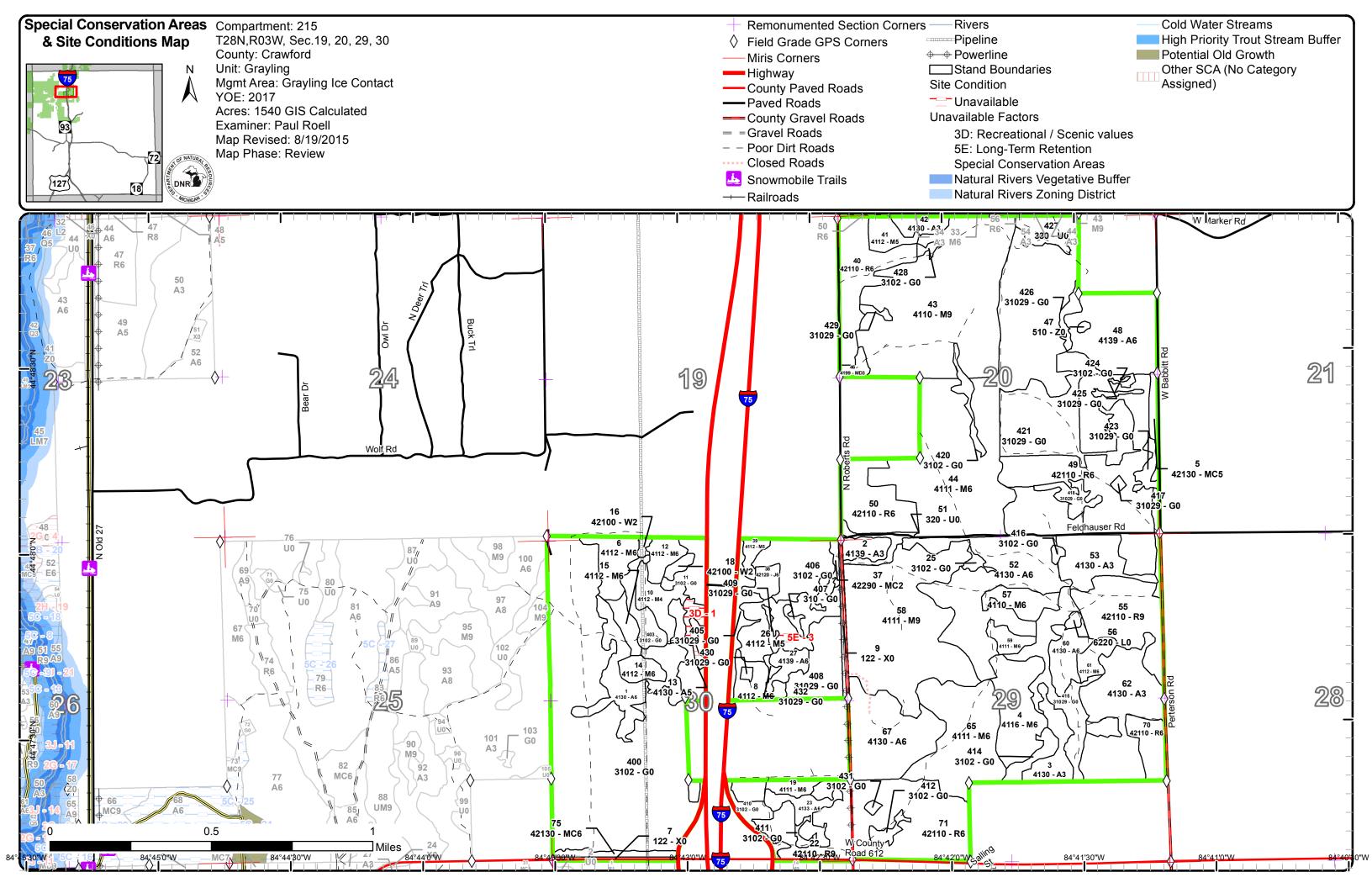
**Additional Compartment Information:** 

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

Grayling Mgt. Unit

Paul Roell : Examiner

Compartment 215 Year of Entry 2017



Age Class

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Aspen	0	19	0	150	79	0	12	21	0	0	0	0	0	0	0	0	0	28	309
Herbaceous Openland	378	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	378
Jack Pine	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	5
Low-Density Trees	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Shrub	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Natural Mixed Pines	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Northern Hardwood	0	0	0	0	0	0	0	4	0	224	212	0	0	0	0	0	0	101	541
Planted Mixed Pines	0	0	0	0	0	0	9	5	0	0	0	0	0	0	0	0	0	0	14
Red Pine	0	0	0	0	0	0	165	96	0	0	0	0	0	0	0	0	0	0	261
Upland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	404	21	7	150	79	0	191	126	0	224	212	0	0	0	0	0	0	129	1543



 Year of Entry: 2017
 Acres of Harvest
 Total Compartment Acres: 1,540

 Commercial Harvest - 262
 Harvests with Site Condition - 0
 Harvests with Site Condition - 0

 Next Step Harvest - 0
 Habitat Cut - 0
 Habitat Cut - 0

# Cover Type by Harvest Method

			Concrut	Delection Dato	n Clearcur	Color Jee	Clientood	Oceaning Oceaning	Con Penner	of the street	in the second	police and the second s
Aspen		56	0	0	0	0	0	0	0	0	56	
Herbaceous Openland		37	0	0	0	0	0	0	0	0	37	
Jack Pine		5	0	0	0	0	0	0	0	0	5	
Northern Hardwood		74	24	0	0	0	0	0	0	0	98	
Planted Mixed Pines		13	0	0	0	0	0	0	0	0	13	1
Red Pine		27	0	0	0	0	26	0	0	0	53	
	Total	211	24	0	0	0	26	0	0	0	262	

### Proposed and Next Step Treatments by Method

			IS IS	Contraction of the second	O LOUND	in of the second	on in the second	and the second	oniono,	Orton AG	40 / 20	APR - Se
Current		262	20	0	0	57	2	19	0	223	583	[
Next Step		0	231	127	0	0	127	441	0	223	1148	
	Total	262	250	127	0	57	129	460	0	446	1731	

S t		Gra	ayling Mgt. Unit		Re	eport 4	Treatme	nts	•	ment: 215 Entry: 2017	AND DREAM
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
1	72215001-Cut	27.8	4130 - Aspen	Poletimber Well	63	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Proposal
		ut all trees	Site Condition	_	er. Leav	ve all white	pine. Leave a	minimum amount	of retention.		
	<u>Step</u> tments:										
Acce Rege	• •	stocked sta	and of aspen with I	mixed northe	ern harc	dwoods.					
<u>Othe</u> Com	<u>er</u> Provide <u>ment:</u>	e protectior	n for the pipeline th	nat runs throu	ugh the	stand. O	d next step cor	mments:			
Prop	osed Start Date	<u>:</u> 10/1 /	2016								
4	72215004-Cut		4116 - Mixed N. Hardwood - Aspen	Poletimber Well	· 82	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Proposal
		ut all trees	Site Condition	_	Use m	inimal rete	ention to promo	te aspen regenera	tion. Use drummir	ng log spec in s	sale.
Next	<u>Step</u> tments:										
Acce Rege		stocked sta	and of aspen and r	nixed northe	rn hard	lwoods.					
Othe Com	e <u>r</u> Old ne ment:	ext step co	mments:								
Dron	osed Start Date	. 10/1/	2016								
	eeea etan Bate	<u>:</u> 10/1 /	2010								
	72215005-Cut	8.5	42130 - Planted Scotch Pine	Poletimber Medium	<sup>.</sup> 51	51-80	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Proposal
5 Hab	72215005-Cut itat Cut: No cription Harves	8.5 t all trees 2	42130 - Planted Scotch Pine Site Condition	Medium : in diameter	-			Clearcut	Red Pine	Ū	·
5 Hab Pres Spec	72215005-Cut itat Cut: No cription Harves cs: stand s	8.5 t all trees 2 ize and pro	42130 - Planted Scotch Pine <u>Site Condition</u> 2 inches and larger esence of scotch p	Medium in diameter ine	. Chip t	ops and re	equire low stum		Red Pine	lo retention du	e to small
5 Pres Spec Next Trea	72215005-Cut         itat Cut:       No         cription       Harves         ss:       stand s         Step       SitePretments:         eptable       A fully s	8.5 t all trees 2 ize and pro p, Roller C	42130 - Planted Scotch Pine Site Condition 2 inches and larger esence of scotch p Chopping; Pesticio	Medium in diameter ine	. Chip t	ops and re	equire low stum	nps to facilitate plar	Red Pine	lo retention du	e to small
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5 Pres Spec Next Trea Acce Rege Othe Com	72215005-Cut         itat Cut:       No         cription       Harves         25:       stand s         Step       SitePreter         tments:       SitePreter         aptable       A fully sen:         ar       Old not	8.5 t all trees 2 ize and pro p, Roller C stocked sta ext step co	42130 - Planted Scotch Pine Site Condition 2 inches and larger esence of scotch p Chopping; Pesticio and of red pine.	Medium in diameter ine	. Chip t	ops and re	equire low stum	nps to facilitate plar	Red Pine	lo retention du	e to small
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5 Press Spec Next Trea Accee Com Prop 6 6 Hab Pres	72215005-Cut         itat Cut:       No         cription       Harves         ss:       stand s         step       SitePretements:         sptable       A fully sen:         or       Old no         ment:       Old no         osed Start Date       72215006-Cut         itat Cut:       No         cription       Cut all	8.5 t all trees 2 ize and pro p, Roller C stocked sta ext step co <u>t</u> 10/1 / 11.7	42130 - Planted Scotch Pine Site Condition 2 inches and largel esence of scotch p Chopping; Pesticio and of red pine. mments: 2016 4112 - Maple, Beech, Cherry Association Site Condition	Medium in diameter ine de, Aerial; M Poletimber Well :	. Chip t Monitori 97	tops and re ing, Artific 141- 170	equire low sturr al Regen(1yr); Harvest	nps to facilitate plan Monitoring, Artific Single Tree	Red Pine nting operations. N cial Regen(3yr); F 4112 - Maple, Beech, Cherry Association	lo retention du Planting, Initial Uneven- Aged	e to small Plant
5 Hab Press Spec Spec Next Trea Accee Rege Othe Com Prop 6 Hab Press Spec Next	72215005-Cut         itat Cut:       No         cription       Harves         ss:       stand s         step       SitePretements:         sptable       A fully sen:         or       Old no         ment:       Old no         osed Start Date       72215006-Cut         itat Cut:       No         cription       Cut all	8.5 t all trees 2 ize and pro p, Roller C stocked sta ext step co <u>t</u> 10/1 / 11.7	42130 - Planted Scotch Pine Site Condition 2 inches and largel esence of scotch p Chopping; Pesticio and of red pine. mments: 2016 4112 - Maple, Beech, Cherry Association Site Condition	Medium in diameter ine de, Aerial; M Poletimber Well :	. Chip t Monitori 97	tops and re ing, Artific 141- 170	equire low sturr al Regen(1yr); Harvest	nps to facilitate plan Monitoring, Artific Single Tree Selection	Red Pine nting operations. N cial Regen(3yr); F 4112 - Maple, Beech, Cherry Association	lo retention du Planting, Initial Uneven- Aged	e to small Plant
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t		Gra	ayling Mgt. Unit		Re	eport 4	Treatmer	nts		tment: 215 Entry: 2017	DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
Presc		5.7 cut all trees	4112 - Maple, Beech, Cherry Association Site Condition 2 inches or greate			51-80 e all white	Harvest pine and no ret	Clearcut	4139 - Aspen, Mixed Deciduous aspen regeneratio	Even-Aged on. Use drumm	Proposal ing log spec
	<u>s:</u> <u>Step</u> ments:										
Acce	otable A fully	stocked sta	and of aspen and ı	nixed northe	rn hard	woods.					
	Provid		n for the pipeline th	nat runs east	of the s	stand. Ol	d next step com	ments:			
Propo	osed Start Date	<u>∋:</u> 10/1 /	2016								
15	72215015-Cut	6.1	4112 - Maple, Beech, Cherry Association	Poletimber Well	97	51-80	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	Proposal
	tat Cut: No		Site Condition								
Presc Spec:		cut all trees	2 inches or greate	er in diamete	r, leave	e all white	pine and no ret	ention to promote	aspen regeneration	on. Use drumm	ing log spe
Vext	<u>step</u> ments:										
	otable A fully	stocked sta	and of aspen and ı	nixed northe	rn hard	woods.					
_ Other		e protectior	n for the pipeline th	nat runs east	of the s	stand. Ol	d next step com	ments:			
Comr	<u>ment:</u>										
	<u>ment:</u> osed Start Date	<u>e:</u> 10/1 /	2016				·				
Propo			2016 4111 - S.Maple, Hard Mast Association	Poletimber Well	93	111- 140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven- Aged	Proposal
Propo 19 Habi	nsed Start Date 72215019-Cut tat Cut: No rription Harves	4.4	4111 - S.Maple, Hard Mast	Well		140	Harvest	Single Tree Selection	Maple Association	Aged	·
Propo 19 Habi Preso Spec: Next :	nsed Start Date 72215019-Cut tat Cut: No rription Harves	4.4	4111 - S.Maple, Hard Mast Association Site Condition	Well		140	Harvest	Single Tree Selection	Maple Association	Aged	·
Propo 19 Habi Presc Spec: Next S Freat Accept Rege	Description       Step ments:       Dtable	: 4.4 st all beech of northern	4111 - S.Maple, Hard Mast Association Site Condition , in addition mark t	Well		140	Harvest	Single Tree Selection	Maple Association	Aged	·
Propo 19 Habi Presc Spec: Next : Freat: Accept Accept Creat: Accept Dther	Description       Step ments:       Dtable	: 4.4	4111 - S.Maple, Hard Mast Association Site Condition , in addition mark t	Well		140	Harvest	Single Tree Selection	Maple Association	Aged	·
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Propo 19 Habi Presc Spec: Vext : Creat: Accep Rege Dther Propo 23 Habi Presc Spec: Vext :	bsed Start Date         72215019-Cut         72215019-Cut         tat Cut: No         cription         Harves         Si         Step         ments:         otable         A mix         n:         Old n         nent:         osed Start Date         72215023-Cut         tat Cut: No         cription         Clear of		<ul> <li>4111 - S.Maple, Hard Mast Association</li> <li>Site Condition</li> <li>in addition mark</li> <li>hardwoods</li> <li>mments:</li> <li>2016</li> <li>4133 - Aspen, Mixed Pine</li> <li>Site Condition</li> <li>two inches and la</li> </ul>	Well the remaining Poletimber Well :	g trees	140 to a residu 111- 140	Harvest Jal basal area o	Single Tree Selection of 80 sqft per acre.	Maple Association Place one 100 for Place one 100 for 4139 - Aspen, Mixed Deciduous	Aged ot regen gap pe Even-Aged	er acre. Proposa
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S t		Gra	ayling Mgt. Unit		Re	eport 4	Treatmen	its	-	ment: 215 Entry: 2017	DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
25	72215025-NF	1.8	3102 - Grass	Nonstocke	0 b	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
	<u>itat Cut:</u> No	o oponina	Site Condition	_	movin	oludo diok	ing fortilizing fo	od plot cooding p	o till proirio graco	drill acading of	owing
Spec			d shrub planting, R					ou plot seeding, h	o-un praine grass	unin seeunig, n	lowing,
	<u>: Step_</u> tments:										
Acce Rege	eptable en:										
<u>Othe</u> Com	er Old no iment:	ext step co	mments:								
<sup>&gt;</sup> rop	osed Start Date	<u>:</u> 10/1 /	2016								
26	72215026-26- New	2.7	4112 - Maple, Beech, Cherry Association	Poletimber Medium	86	51-80	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	Proposal
	<u>itat Cut:</u> No		Site Condition	_							
Pres Spec		ut all trees	two inches and g	eater in dian	neter. L	eave all v	white pine. Site c	ondition layer refle	cts approximate i	etention island	location.
	<u>Step</u> tments:										
	eptable A fully	stocked sta	and of aspen and ı	nixed northe	rn hard	lwoods.					
Othe		ext step co	mments:								
Prop	osed Start Date	<u>:</u> 10/1 /	2016								
26	72215026-Cut	20.2	4112 - Maple, Beech, Cherry Association	Poletimber Medium	86	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Proposal
			Site Condition	eater in diam		Reauire ch	nipping to facilitat	te planting operatio	ons. A portion of t	he original star	
		treated an	d will serve as rete	ention. Site c	onaitior						id is not
	<u>: Step</u> SitePre tments:					n layer ref	flects approximat	te retention island	location.	; Pesticide, <i>i</i>	
Trea	tments: eptable A fully	ep, Roller C	d will serve as rete	g, Initial Plan		n layer ref	flects approximat	te retention island	location.	; Pesticide, <i>i</i>	
<u>Trea</u> Acce Rege Othe	tments: eptable A fully en:	ep, Roller C	d will serve as rete Chopping; Plantin and of planted red	g, Initial Plan		n layer ref	flects approximat	te retention island	location.	; Pesticide, /	
<u>Trea</u> Acce Rege Othe Com	<u>tments:</u> e <u>ptable</u> A fully : en: er Old no	ep, Roller C stocked sta	d will serve as rete Chopping: Plantin and of planted red omments:	g, Initial Plan		n layer ref	flects approximat	te retention island	location.	); Pesticide, /	
<u>Frea</u> Acce Rege Othe Com	<u>itments:</u> eptable A fully en: en: Old no iment:	ep, Roller C stocked sta ext step co <u>: 10/1 /</u> 6.3	d will serve as rete Chopping: Plantin and of planted red omments:	g, Initial Plan	t; Moi	n layer ref	flects approximat	te retention island	location.	); Pesticide, /	
Trea Acce Rege Othe Com Prop 27 27 4 Hab	tments: eptable A fully en: Old nument: cosed Start Date 72215027-Cut bitat Cut: No cription Clear of	ep, Roller C stocked sta ext step co <u>10/1 /</u> 6.3	d will serve as rete Chopping; Plantin and of planted red mments: 2016 4139 - Aspen,	g, Initial Plan pine. Poletimber Well	t; Moi	n layer ref nitoring, A 141- 170	flects approximat	te retention island yr); Monitoring, A Clearcut	location. rtificial Regen(3yı 4139 - Aspen, Mixed Deciduous		Aerial
Trea Acce Rega Dthe Com Prop 27 27 27	tments: eptable A fully en: Old nument: cosed Start Date 72215027-Cut bitat Cut: No cription Clear of	ep, Roller C stocked sta ext step co <u>10/1 /</u> 6.3	d will serve as rete Chopping; Plantin and of planted red mments: 2016 4139 - Aspen, Mixed Deciduous Site Condition	g, Initial Plan pine. Poletimber Well	t; Moi	n layer ref nitoring, A 141- 170	flects approximat	te retention island yr); Monitoring, A Clearcut	location. rtificial Regen(3yı 4139 - Aspen, Mixed Deciduous		Aerial
Trea Acce Rege Dthe Com Prop 27 27 27 27 27 27 27 27 27 27 27 27 27	tments: eptable A fully : en: or Old no ment: ossed Start Date 72215027-Cut ottat Cut: No icription Clear of Step tments: eptable A fully :	ep, Roller C stocked sta ext step co <u>: 10/1 /</u> 6.3	d will serve as rete Chopping; Plantin and of planted red mments: 2016 4139 - Aspen, Mixed Deciduous Site Condition	g, Initial Plan pine. Poletimber Well : rger in DBH.	t; Moi 68 Leave	n layer ref nitoring, A 141- 170 all white j	flects approximat	te retention island yr); Monitoring, A Clearcut	location. rtificial Regen(3yı 4139 - Aspen, Mixed Deciduous		Aerial
Trea Acce Rega Dthe Com Prop 2rop 27 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	tments: eptable A fully en: Old nument: oosed Start Date 72215027-Cut itat Cut: No cription Clear of Step tments: eptable A fully en:	ep, Roller C stocked sta ext step co <u>: 10/1 /</u> 6.3	Id will serve as rete Chopping: Plantin and of planted red omments: 2016 4139 - Aspen, Mixed Deciduous Site Condition two inches and la	g, Initial Plan pine. Poletimber Well : rger in DBH.	t; Moi 68 Leave	n layer ref nitoring, A 141- 170 all white j	flects approximat	te retention island yr); Monitoring, A Clearcut	location. rtificial Regen(3yı 4139 - Aspen, Mixed Deciduous		Aerial

S t		Gra	ayling Mgt. Unit		Re	eport 4	Treatme	nts	-	ment: 215 Entry: 2017	DRR DR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
	72215037- Spray itat Cut: No cription Spray s:	1.8 stand to ki	42290 - Natural Mixed Pine <u>Site Condition:</u> Il scotch pine.	Sapling Medium	6	Immatu re	Pesticide	Aerial	4211 - Planted Red Pine	Even-Aged	Proposal
<u>Next</u> Treat	<u>Step</u> SitePr <u>ments:</u>	ep, Trench	ing; Planting, Initia	Plant; Mo	onitorin	g, Artificia	I Regen(1yr); I	Monitoring, Artifici	al Regen(3yr); Pe	sticide, Aerial	
Accer Rege Other	<u>n:</u>	stocked st	and of planted red p	ine.							
Comr	<u>ment:</u>	·									
	osed Start Date		/2016								
38	72215038-Cut	4.9	42120 - Planted Jack Pine	Poletimber Well	r 53	81-110	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
			Site Condition: 2 inches and larger i	in diameter	. Chip t	tops and re	equire low stum	nps to facilitate pla	nting operations. N	lo retention du	e to small
	<u>Step</u> SitePr <u>ments:</u>	ep, Roller (	Chopping; Planting	, Initial Plar	nt; Pes	sticide, Ae	rial; Monitoring	g, Artificial Regen	(1yr); Monitoring,	Artificial Rege	n(3yr)
Accep Rege		stocked st	and of planted red p	ine.							
<u>Other</u> Comr		next step co	omments:								
Propo	osed Start Date	<u>ə:</u> 10/1	/2016								
39	72215039-Cut	3.8	4112 - Maple, Beech, Cherry Association	Poletimber Medium	r 63	1-50	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
			Site Condition: 2 inches and larger i	in diameter	. Chip t	tops and re	equire low stum	nps to facilitate pla	nting operations. N	lo retention du	e to small
<u>Next</u> Treat	<u>Step</u> SitePr <u>ments:</u>	ep, Roller (	Chopping; Planting	, Initial Plar	nt; Pes	sticide, Ae	rial; Monitoring	g, Artificial Regen(	1yr); Monitoring, A	Artificial Rege	n(3yr)
Accer Rege	,	stocked st	and of planted pine								
<u>Other</u> Comr	-	ext step co	omments:								
	osed Start Date		/2016								
49	72215049-Cut	26.7	42110 - Planted Red Pine	Poletimber Well	r 51	141- 170	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
Presc			Site Condition: 2 inches and larger the south and west.	in diameter	. Chip t		equire low stum	nps to facilitate pla		etention is par	t of the part
Spec:				Initial Plar	nt; Pes	sticide, Ae	rial; Monitoring	a Artificial Regen	1vr) Monitoring	Artificial Recei	(0)
Next	<u>Step</u> SitePr <u>ments:</u>	ep, Roller (	Chopping; Planting	, miliar i lai				g, / intinoidi ritogon	ryr), worntoring, i	a annoida reego	n(3yr)
<u>Next</u> Treat	ments: ptable_ A fully		Chopping; Planting					g, / ittiloid (togoi)	ryr), wornonig,r		n(3yr)
<u>Next</u> Treat	<u>ments:</u> <u>ptable</u> A fully <u>n:</u> Old r		and of planted red p					9, / 111012. 1 (0901)	ryr), workonig, i		n(3yr)

S t		Gra	ayling Mgt. Unit		Re	eport 4	Treatme	nts	•	ment: 215 Entry: 2017	DR NATURAL PR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
49	72215049- Cutx	26.5	42110 - Planted Red Pine	Poletimber Well	51	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
		tand to an	Site Condition: average residual B	-	nere wil	l be areas	to walk throug	h.			
<u>Next S</u> Treatr	<u>Step</u> ments:										
<u>Accep</u> <u>Reger</u>	<u>otable</u> n:										
<u>Other</u> Comn		ext step co	omments:								
<u>Propo</u>	sed Start Date	<u>e:</u> 10/1 /	/2016								
53	72215053- Monitor	19.0	4130 - Aspen	Sapling Well	6	Immatu re	Monitoring	Natural Regen (Re-Inventory)	413 - Aspen	Even-Aged	Draft Field Boundary
		stocked st	Site Condition: and of Aspen and r		ern hard	lwoods.					
<u>Next S</u> Treatr	<u>Step</u> ments:										
Accep Reger		stocked st	and of Aspen and r	nixed northe	ern hard	lwoods.					
<u>Other</u> Comn		ext step co	omments:								
<u>Propo</u>	sed Start Date	<u>e:</u> 3 /15,	/2015								
57	72215057-Cut	7.9 4	110 - Sugar Maple Association	Poletimber Well	87	111- 140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven- Aged	Proposal
		beech, in	Site Condition	-	al basa	l area of 8	0 sqft per acre	. Place one 100 foo	t regen gap per a	cre.	
<u>Next S</u> Treatr	<u>Step</u> ments:										
Treatr	<u>ments:</u> <u>otable</u> Mixed	northern h	ardwoods.								
Treatr Accep	<u>ments:</u> <u>ptable</u> Mixed <u>n:</u> Old n	northern h ext step co									
<u>Accep</u> <u>Reger</u> <u>Other</u> <u>Comn</u>	<u>ments:</u> <u>ptable</u> Mixed <u>n:</u> Old n	ext step co									
Treatr Accep Reger Other Comn Propo	<u>ments:</u> <u>otable</u> Mixed <u>n:</u> Old n <u>nent:</u>	ext step co <u>::</u> 10/1 /	omments:	Poletimber Well	58	51-80	Harvest	Clearcut	4130 - Aspen	Even-Aged	Proposal
Accep       Reger       Other       Comn       Propo       60       Habit	ments: <u>otable</u> Mixed <u>n</u> Old n <u>nent:</u> <u>sed Start Date</u> <b>72215060-Cut</b> <u>tat Cut: No</u> <u>ription</u> Clear of	ext step co <u>10/1</u> 12.0 cut all trees	omments: /2016 4130 - Aspen <u>Site Condition</u> :	Well						Ū	·
Treatr Accep Reger Other Comn Propo 60 Habit Presc Specs Next S	ments: <u>otable</u> Mixed <u>n</u> . Old n <u>nent:</u> <u>psed Start Date</u> 72215060-Cut <u>tat Cut:</u> No <u>rription</u> Clear of <u>s:</u> service	ext step co <u>10/1</u> 12.0 cut all trees	omments: /2016 4130 - Aspen <u>Site Condition</u> : s two inches and lar	Well				Clearcut		Ū	·
Treatr Accep Reger Other Comm Propo 60 Habin Presc Specs Next S Treatr	ments: <u>otable</u> Mixed <u>n:</u> Old n <u>nent:</u> <u>otable Start Date</u> 72215060-Cut <u>tat Cut:</u> No <u>ription</u> Clear of <u>Step</u> <u>ments:</u> <u>otable</u> A fully	ext step co <u>10/1</u> 12.0 cut all trees berry and	omments: /2016 4130 - Aspen <u>Site Condition</u> : s two inches and lar	Well ger in DBH.	No rete	ention to p		Clearcut		Ū	·
Treatr Accep Reger Other Comm Propo 60 Habit Presc Specs Next S Treatr Accep	ments: <u>otable</u> Mixed <u>n</u> : Old n <u>nent:</u> <u>psed Start Date</u> <u>72215060-Cut</u> <u>tat Cut:</u> No <u>rription</u> Clear of <u>service</u> <u>Step</u> <u>ments:</u> <u>otable</u> A fully <u>n</u> : Old n	ext step co <u>10/1</u> 12.0 cut all trees berry and	2016 4130 - Aspen Site Conditions two inches and lar hawthorn.	Well ger in DBH.	No rete	ention to p		Clearcut		Ū	·

t		Gra	ayling Mgt. Unit		Re	eport 4	Treatme	nts	•	ment: 215 Entry: 2017	DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
61	72215061-Cut	6.2	4112 - Maple, Beech, Cherry Association	Poletimber Well	88	81-110	Harvest	Clearcut	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Proposal
		ut all trees	Site Condition two inches and gr	-	I. No re	etention to	promote asper	n regeneration. Us	e drumming log sp	ec in sale.	
	<u>Step</u> tments:										
Acce Rege		stocked sta	and of mixed north	ern hardwoo	ds and	aspen.					
<u>Othe</u> Com	<u>r</u> Old ne <u>ment:</u>	ext step co	mments:								
Prop	osed Start Date	<u>:</u> 10/1 /	2016								
65	72215065-Cut	1.9	4111 - S.Maple, Hard Mast Association	Poletimber Well	93	81-110	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	Proposal
	itat Cut: No	trana tuva i	Site Condition	-	Treat	uith the ed	iccont close ou	t of stand 4. Datas	tion is a 2 10 para	ant nortion of t	ha narant
Spec			nches and greater trails that connect						ition is a 3-10 perc	ent portion of t	ne parent
	<u>Step</u>										
	tments:	ockod rog	eneration pockets	of mixed por	thorn h	ardwoode					
		locked lege	eneration pockets			aiuwoous.					
Rege	<u>211.</u>										
Othe		ext step co	mments:								
Othe Com	<u>r</u> Old ne										
Othe Com Prop	<u>r</u> Old ne <u>ment:</u>	: 10/1 /	2016 42130 - Planted	Poletimber	65	81-110	Harvest	Clearcut	4211 - Planted	Even-Aged	Proposal
Dthe Com Prop 75	<u>r</u> Old no <u>ment:</u> osed Start Date	: 10/1 /	2016	Well	65	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Proposa
<u>Othe</u> Com Prop 75 Hab	r Old no ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c	<u>:</u> 10/1 / 4.8	2016 42130 - Planted Scotch Pine	Well						Even-Aged	Proposal
Othe Com Prop 75 75 Hab Pres Spec	r Old no ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c s:	10/1 / 4.8	2016 42130 - Planted Scotch Pine <u>Site Condition</u> . Chip tops and low	Well	facilitat	e planting	operations. Pro	otect the pipeline.	Red Pine	Ū	·
Prop 75 Hab Pres Spec	r Old no ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c s:	10/1 / 4.8	2016 42130 - Planted Scotch Pine <u>Site Condition</u>	Well	facilitat	e planting	operations. Pro	otect the pipeline.	Red Pine	Ū	Proposal n(3yr)
Othe Com Prop 75 75 Hab Pres Spec Next Trea	r Old no ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c s: Step SitePre tments: ptable A fully s	10/1 / 4.8 eut all trees	2016 42130 - Planted Scotch Pine Site Condition Chip tops and low Chopping; Pesticio	Well	facilitat	e planting	operations. Pro	otect the pipeline.	Red Pine	Ū	·
Dthe Com Prop 75 75 Hab Pres Spec Next Trea Acce Rege	r Old no ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c s: Step SitePre tments: ptable A fully sen:	10/1 / 4.8 eut all trees	2016 42130 - Planted Scotch Pine Site Condition Chip tops and low Chopping; Pesticio and of red pine.	Well	facilitat	e planting	operations. Pro	otect the pipeline.	Red Pine	Ū	·
Othe Com Prop 75 Hab Pres Spec Next Trea Acce Regu	r Old no ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c s: Step SitePre tments: sptable A fully s on: Old no	10/1 / 4.8 eut all trees ep, Roller C stocked sta ext step co	2016 42130 - Planted Scotch Pine Site Condition Chip tops and low Chopping: Pesticion and of red pine.	Well	facilitat	e planting	operations. Pro	otect the pipeline.	Red Pine	Ū	·
Dithe Com Prop 75 75 Hab Pres Spec Next Trea Acces Com Prop	r Old ne ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c s: Step SitePre tments: eptable A fully s en: Cold ne ment:	<u>10/1 /</u> 4.8 eut all trees ep, Roller C stocked sta ext step co <u>10/1 /</u>	2016 42130 - Planted Scotch Pine Site Condition Chip tops and low Chopping: Pesticion and of red pine.	Well	facilitat	e planting g, Initial Pla	operations. Pro	otect the pipeline.	Red Pine 1yr); Monitoring, 4211 - Planted	Ū	n(3yr)
2 2 2 2 2 2 2 2 2 2 2 2 2 2	r Old no ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c s: Step SitePre tments: ptable A fully s en: r Old no ment: osed Start Date	<u>10/1 /</u> 4.8 eut all trees ep, Roller C stocked sta ext step co <u>10/1 /</u>	2016 42130 - Planted Scotch Pine Site Condition Chip tops and low Chopping; Pesticion and of red pine.	Well v stumps to de, Aerial; F	facilitat	e planting g, Initial Pla	operations. Pro	otect the pipeline. g, Artificial Regen(	Red Pine 1yr); Monitoring,	Artificial Reger	n(3yr)
2 2 2 2 2 2 2 2 2 2 2 2 2 2	r Old no ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c s: Step SitePre tments: r Old no ment: osed Start Date 72215400-Cut itat Cut: No cription Clear c	<u>10/1 /</u> 4.8 eut all trees ep, Roller C stocked sta ext step co <u>10/1 /</u> 12.8	2016 42130 - Planted Scotch Pine Site Condition Chip tops and low Chopping; Pesticion and of red pine. mments: 2016 3102 - Grass	Well v stumps to de, Aerial; F Nonstocker	facilitat Planting	e planting g, Initial Pla Unspec ified	operations. Pro ant; Monitorin Harvest	otect the pipeline. g, Artificial Regen( Clearcut	Red Pine 1yr); Monitoring, 4211 - Planted	Artificial Reger	n(3yr)
2 Dthe 2 Com 2 rop 75 Hab 2 res 2 Spect 1 Crea 2 Spect 2 Com 2 Com	r Old no ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c s: Step SitePre tments: cosed Start Date 72215400-Cut itat Cut: No cription Clear c s:	$\frac{10/1}{4.8}$ eut all trees ep, Roller C stocked sta ext step co $\frac{10/1}{12.8}$ eut all trees	2016 42130 - Planted Scotch Pine Site Condition Chip tops and low Chopping; Pesticion and of red pine. mments: 2016 3102 - Grass Site Condition	Well w stumps to de, Aerial; F Nonstocker	facilitat Planting d	e planting g, Initial Pla Unspec ified	operations. Pro ant; Monitorin Harvest	otect the pipeline. g, Artificial Regen( Clearcut	Red Pine 1yr); Monitoring, 4211 - Planted Red Pine	Artificial Reger	n(3yr) Proposal
Dthe Com Prop Prop 75 75 Hab Pres Spec Next Trea Acce Com Prop Prop Prop Prop Prop Prop Pres Spec Next Trea Acce Com Prop Prop Prop Prop Prop Prop Prop Prop	r Old ne ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c s: Step SitePre ment: osed Start Date 72215400-Cut itat Cut: No cription Clear c s: Step SitePre itat Cut: No cription Clear c s: Step SitePre	<ul> <li>10/1 /</li> <li>4.8</li> <li>aut all trees</li> <li>ap, Roller C</li> <li>stocked state</li> <li>at step co</li> <li>10/1 /</li> <li>12.8</li> <li>aut all trees</li> <li>ap, Roller C</li> </ul>	2016 42130 - Planted Scotch Pine Site Condition Chopping; Pesticion and of red pine. 2016 3102 - Grass Site Condition two inches in diar	Well w stumps to de, Aerial; F Nonstocker neter and lar g, Initial Plar	facilitat Planting d	e planting g, Initial Pla Unspec ified	operations. Pro ant; Monitorin Harvest	otect the pipeline. g, Artificial Regen( Clearcut	Red Pine 1yr); Monitoring, 4211 - Planted Red Pine	Artificial Reger	n(3yr) Proposal
2 Dthe Com Prop 75 75 Hab Pres Spec Next Trea Acce Spec Othe Com Prop Pres Spec Next Trea Acce Spec Othe Com Prop Pres Spec Othe Com Prop Prop Prop Pres Spec Othe Com Prop Pres Spec Othe Com Com Com Com Com Com Com Com Com Com	r Old ne ment: osed Start Date 72215075-Cut itat Cut: No cription Clear c s: Step SitePre tments: osed Start Date 72215400-Cut itat Cut: No cription Clear c s: Step SitePre tments: osed Start Date 72215400-Cut	<ul> <li>10/1 /</li> <li>4.8</li> <li>aut all trees</li> <li>ap, Roller C</li> <li>stocked state</li> <li>at step co</li> <li>10/1 /</li> <li>12.8</li> <li>aut all trees</li> <li>ap, Roller C</li> </ul>	2016 42130 - Planted Scotch Pine Site Condition Chip tops and low Chopping; Pesticion and of red pine. 2016 3102 - Grass Site Condition two inches in diar Chopping; Planting and of planted red p	Well w stumps to de, Aerial; F Nonstocker neter and lar g, Initial Plar	facilitat Planting d	e planting g, Initial Pla Unspec ified	operations. Pro ant; Monitorin Harvest	otect the pipeline. g, Artificial Regen( Clearcut	Red Pine 1yr); Monitoring, 4211 - Planted Red Pine	Artificial Reger	n(3yr) Proposal

t		Gra	iyling Mgt. Unit		Report 4	Treatmer	nts		tment: 215 Entry: 2017	DNR
a n d	Treatment Name	Acres	Stand CoverType		and BA Age Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
400	72215400-NF	161.9	3102 - Grass	Nonstocked	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
			Site Condition maintenance, as r shrub planting, F	needed, that ma			ood plot seeding, n	o-till prairie grass	drill seeding, r	nowing,
	<u>Step</u> tments:									
Acce Rege	<u>ptable</u> en:									
<u>Othe</u> Com	<u>r</u> Old no ment:	ext step co	mments:							
Prop	osed Start Date	<u>:</u> 10/1 /	2016							
103	72215403-NF	9.4	3102 - Grass	Nonstocked	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
	<u>itat Cut:</u> No		Site Condition							
Prese Spec			maintenance, as r d shrub planting, F				od plot seeding, n	o-till prairie grass	drill seeding, r	nowing,
pcc	<u>.a.</u> Drušni	ig, tiee and	a shi ub planting, r	the building and i	ierbicide appi	ication.				
	<u>Step</u>									
reat	tments:									
	ptable_									
Rege										
<u>Othe</u>	<u>r</u> Old no ment:	ext step co	mments:							
	osed Start Date	: 10/1 /	2016							
		_								
05	72215405-		A 0 0 0			0.1 - 0	Taxable	1011 Distant		D
	Prep	6.9 3	31029 - Grass (OI	) Nonstocked	Unspec ified	SitePrep	Trenching	4211 - Planted Red Pine	Even-Aged	Proposa
labi	Prep <u>itat Cut:</u> No	6.9	31029 - Grass (Ol <u>Site Conditior</u>			SitePrep	Trenching		Even-Aged	Proposa
	<u>itat Cut:</u> No					SitePrep	Trenching		Even-Aged	Proposa
Pres	i <u>tat Cut:</u> No cription Trench		Site Condition			SitePrep	Trenching		Even-Aged	Proposa
<u>Prese</u> Spec Next	i <u>tat Cut:</u> No <u>cription</u> Trench <u>s:</u>	stand for p	Site Condition	<u>l:</u>	ified		Trenching Monitoring, Artific	Red Pine	Ū	
Preso Spec Next Treat Acce	itat Cut: No cription Trench s: Step SitePre ments: ptable A Fully	stand for p p, Roller C	Site Condition	<b>l:</b> de, Aerial; Moi	ified		Ĵ	Red Pine	Ū	
Preso Spec Next Treat Acce Rege Othe	itat Cut: No cription Trench s: Step SitePre ments: ptable A Fully en:	stand for p p, Roller C	Site Condition planting red pine. Chopping: Pestici tand of planted red	<b>l:</b> de, Aerial; Moi	ified		Ĵ	Red Pine	Ū	
Preso Spec Next Treat Acce Rege Othe Com	itat Cut: No cription Trench s: Step SitePre ments: A Fully n: C Old no	stand for p ep, Roller C stocked st ext step co	Site Condition olanting red pine. Chopping; Pestici tand of planted red mments:	<b>l:</b> de, Aerial; Moi	ified		Ĵ	Red Pine	Ū	
Preso Spec Next Treat Acce Rege Othe Com	itat Cut: No cription Trench s: Step SitePre ments: A Fully n: C Old no ment:	stand for p ep, Roller C stocked st ext step co	Site Condition olanting red pine. Chopping; Pestici tand of planted red mments:	<b>l:</b> de, Aerial; Moi	ified nitoring, Artific		Ĵ	Red Pine ial Regen(3yr); F 4211 - Planted	Ū	Plant
Press Spec Next Treat Acce Rege Dthe Com Prop	itat Cut:       No         cription       Trench         Step       SitePre         step       SitePre         ptable       A Fully         r       Old no         ment:       Old no         osed Start Date       72215406-Cut	stand for p op, Roller C stocked st ext step co <u>: 10/1 /</u>	Site Condition planting red pine. Chopping; Pestici tand of planted red mments: 2016 3102 - Grass	L de, Aerial; Mor d pine Nonstocked	ified	cial Regen(1yr);	Monitoring, Artific	Red Pine	Planting, Initial	Plant
Press Spec Next Treat Acce Rege Dthe Com Dom Drop Othe Com Drop	itat Cut:       No         cription       Trench         Step       SitePre         step       SitePre         ptable       A Fully         r       Old no         ment:       Old no         osed Start Date       72215406-Cut         itat Cut:       No         cription       Cut all	stand for p p, Roller C stocked st ext step co <u>10/1 /</u> 20.4	Site Condition planting red pine. Chopping; Pestici tand of planted red mments: 2016	L de, Aerial; Mor d pine Nonstocked	ified nitoring, Artific Unspec ified	cial Regen(1yr); Harvest	Monitoring, Artific	Red Pine ial Regen(3yr); F 4211 - Planted	Planting, Initial	Plant
Press Spec Next Treat Acce Rege Othe Com Prop Prop 406 Hab Spec Next	itat Cut:       No         cription       Trench         s:       SitePre         Step       SitePre         ptable       A Fully         r       Old no         ment:       Old no         osed Start Date       72215406-Cut         itat Cut:       No         cription       Cut all         s:       SitePre	stand for p ep, Roller C stocked st ext step co <u>: 10/1 /</u> 20.4 trees two in	Site Condition olanting red pine. Chopping; Pestici tand of planted red mments: 2016 3102 - Grass Site Condition nches and larger i	L de, Aerial; Mo d pine Nonstocked L n diameter to pr	ified nitoring, Artific Unspec ified	cial Regen(1yr); Harvest nd to trench and	Monitoring, Artific	Red Pine ial Regen(3yr); F 4211 - Planted Red Pine	Planting, Initial	Plant Proposal
Press Spec Next Treat Acce Rege Othe Com Propo 406 Hab Press Spec Next Treat	itat Cut:       No         cription       Trench         s:       SitePre         Step       SitePre         ptable       A Fully         r       Old no         ment:       Old no         osed Start Date       72215406-Cut         itat Cut:       No         cription       Cut all         s:       SitePre         Step       SitePre         ptable       SitePre         ptable       Fully st	stand for p ep, Roller C stocked st ext step co <u>: 10/1 /</u> 20.4 trees two in ep, Roller C	Site Condition olanting red pine. Chopping; Pestici tand of planted red mments: 2016 3102 - Grass Site Condition nches and larger i	L: de, Aerial; Mon d pine Nonstocked L: n diameter to pr ng, Initial Plant;	ified nitoring, Artific Unspec ified	cial Regen(1yr); Harvest nd to trench and	Monitoring, Artific Clearcut plant red pine.	Red Pine ial Regen(3yr); F 4211 - Planted Red Pine	Planting, Initial	Proposal
Press Spec Spec Next Treat Accee Com Prop Prop Prop Press Spec Next Treat Accee Spec Dthe Dthe Com	itat Cut:       No         cription       Trench         s:       SitePre         Step       SitePre         ptable       A Fully         r       Old no         ment:       Old no         osed Start Date       72215406-Cut         itat Cut:       No         cription       Cut all         s:       SitePre         step       SitePre         ptable       Fully steps	stand for p ep, Roller C stocked st ext step co <u>: 10/1 /</u> 20.4 trees two in ep, Roller C	Site Condition Danting red pine. Chopping: Pestici tand of planted red mments: 2016 3102 - Grass Site Condition nches and larger i Chopping: Plantin	L: de, Aerial; Mon d pine Nonstocked L: n diameter to pr ng, Initial Plant;	ified nitoring, Artific Unspec ified	cial Regen(1yr); Harvest nd to trench and	Monitoring, Artific Clearcut plant red pine.	Red Pine ial Regen(3yr); F 4211 - Planted Red Pine	Planting, Initial	Plant Proposal
Press pec lext reat Acce Rege Dathe Propo 06 lab Press Propo 06 lext reat Acce Rege Dathe Comin	itat Cut:       No         cription       Trench         s:       SitePre         Step       SitePre         ptable       A Fully         r       Old no         ment:       Old no         osed Start Date       72215406-Cut         itat Cut:       No         cription       Cut all         s:       SitePre         step       SitePre         ments:       SitePre         optable       Fully step         ptable       Fully step         optable       Cut all         s:       SitePre         optable       Fully step         optable       Fully step         optable       Old no	stand for p p, Roller C stocked st ext step co <u>10/1 /</u> 20.4 trees two i ep, Roller C cocked star ext step co	Site Condition Danting red pine. Chopping; Pestici tand of planted red mments: 2016 3102 - Grass Site Condition nches and larger i Chopping; Plantin nd of planted red p mments:	L: de, Aerial; Mon d pine Nonstocked L: n diameter to pr ng, Initial Plant;	ified nitoring, Artific Unspec ified	cial Regen(1yr); Harvest nd to trench and	Monitoring, Artific Clearcut plant red pine.	Red Pine ial Regen(3yr); F 4211 - Planted Red Pine	Planting, Initial	Plant Proposa

S t		Gra	ayling Mgt. Unit		Re	eport 4	Treatmer	nts		ment: 215 Entry: 2017	DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
406	72215406-NF	1.4	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
			Site Condition maintenance, as n d shrub planting, R	eeded, that				ood plot seeding, n	o-till prairie grass	drill seeding, r	nowing,
	<u>Step</u> tments:										
<u>Acce</u> <u>Rege</u>	<u>ptable</u> en:										
	ment:	·	omments:								
Prop	osed Start Date	_	/2016								
407	72215407-Cut	1.5	310 - Herbaceous Openland	Nonstocke	d	Unspec ified	Harvest	Clearcut	42110 - Planted Red Pine	Even-Aged	Proposal
	itat Cut: No	t all traca	Site Condition	-	Chin t	one ond	oquiro low atum	na ta facilitata plan	ting operations. N	a ratantian du	o to omall
<u>Spec</u>			2 inches and large	in diameter	. Chip t	ops and l	equire low stum	ps to facilitate plan	ting operations. N	o retention du	e to small
	<u>Step</u> Plantin tments:	g, Initial P	lant; Pesticide, Ae	erial; Monito	oring, A	rtificial R	egen(1yr); Mon	itoring, Artificial Re	gen(3yr); SitePro	ep, Roller Cho	pping
<u>Acce</u> Rege		stocked st	tand of planted red	pine.							
<u>Othe</u> Com	<u>r</u> Old n ment:	ext step co	omments:								
Prop	osed Start Date	<u>:</u> 10/1	/2016								
408	72215408- Burn	19.6	31029 - Grass (OI)	Nonstocke	d	Unspec ified	Burn	Opening	31022 - Warm Season Grass		Proposal
		n to set ba	Site Condition	-	ly spec	ies and p	romote prairie s	pecies such as wa	rm season grasse	s and wildflow	ers.
<u>Next</u> Treat	<u>Step</u> tments:										
<u>Acce</u> <u>Reg</u> e	ptable_ en:										
<u>Othe</u> Com	<u>r</u> Old n <u>ment:</u>	ext step co	omments:								
Prop	osed Start Date	<u> </u>	/2016								
409	72215409-Cut	1.7	31029 - Grass (OI)	Nonstocke	d	Unspec ified	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Proposal
			Site Condition 2 inches and larger	_	. Chip t		equire low stum	ps to facilitate plan		o retention du	e to small
	<u>Step</u> Pestici tments:	de, Aerial;	Planting, Initial P	lant; Monito	oring, A	rtificial R	egen(1yr); Mon	itoring, Artificial Re	egen(3yr); SitePro	ep, Roller Cho	pping
<u>Acce</u> <u>Rege</u>		stocked st	tand on red pine.								
Othe		ext step co	omments:								
Prop	osed Start Date	<u>:</u> 10/1	/2016								

S t		Gra	ayling Mgt. Unit		Re	eport 4	Treatmer	its	-	tment: 215 Entry: 2017	DNR MICHAEL
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
410	72215410-NF	6.7	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
Preso Spec Next	<u>s:</u> brushin <u>Step</u>		Site Condition maintenance, as r d shrub planting, F	needed, that				od plot seeding, no	o-till prairie grass	drill seeding,	mowing,
	<u>ments:</u> ptable_ n:										
Othe		ext step co	mments:								
Prop	osed Start Date	<u>:</u> 10/1 /	2016								
412	72215412-NF	3.3	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
			Site Condition maintenance, as r d shrub planting, F	needed, that				od plot seeding, no	o-till prairie grass	drill seeding,	mowing,
	<u>Step</u> ments:										
<u>Acce</u> Rege	<u>ptable</u> n:										
<u>Othe</u> Comi	r Old ne ment:	ext step co	mments:								
Prop	osed Start Date	<u>:</u> 10/1 /	2016								
414	72215414-NF	5.7	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
			Site Condition maintenance, as r d shrub planting, F	needed, that				od plot seeding, no	o-till prairie grass	drill seeding,	mowing,
		•					louion.				0.
	<u>ments:</u>					0.00 066.					Ū.
<u>Treat</u> Acce	ments: ptable_					erae app.					
<u>Treat</u> <u>Acce</u> <u>Rege</u> Othe	<u>ments:</u> ptable n:	ext step co	mments:								
<u>Treat</u> <u>Acce</u> <u>Rege</u> <u>Othe</u> <u>Com</u>	<u>ments:</u> p <u>table</u> n:Old no										
Treat Acce Rege Othe Com Propo 415	ments: ptable n: c Old no ment: osed Start Date 72215415-NF	<u> </u>	/2016 31029 - Grass (OI)	,	d		NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
Treat Acce Rege Othel Comi Propo 415 Habi Preso	ments: ptable n: of Old ne ment: osed Start Date 72215415-NF itat Cut: No cription Periodi	10/1 / 24.2 : c opening	2016 31029 - Grass (Ol) <u>Site Condition</u>	i: needed, that i	may inc	Unspec ified	NonForestMgt	Other - Specify od plot seeding, no	Herbaceous Openland	drill seeding,	Proposal
Acce Rege Other Com Prope 415 Habi Spec Next	ments: ptable n: of Old ne ment: osed Start Date 72215415-NF itat Cut: No cription Periodi	10/1 / 24.2 : c opening	2016 31029 - Grass (Ol <u>Site Condition</u> maintenance, as r	i: needed, that i	may inc	Unspec ified	NonForestMgt		Herbaceous Openland	drill seeding,	Proposal
Treat Acce Rege Othe Com Propo 415 415 Habi Press Spec Next Treat	ments: ptable n: of Old ne ment: Dsed Start Date 72215415-NF itat Cut: No cription Periodi s: brushin Step ments: ptable	10/1 / 24.2 : c opening	2016 31029 - Grass (Ol <u>Site Condition</u> maintenance, as r	i: needed, that i	may inc	Unspec ified	NonForestMgt		Herbaceous Openland	drill seeding,	Proposal
Treat Acce Rege Othe Com Propo 415 Habi Press Spec Next Treat Acce Rege Othe	ments: ptable n: f Old no ment: Desed Start Date 72215415-NF itat Cut: No cription Periodi s: brushin Step ments: ptable n:	10/1 / 24.2 : c opening	/2016 31029 - Grass (Ol <u>Site Condition</u> maintenance, as r d shrub planting, F	i: needed, that i	may inc	Unspec ified	NonForestMgt		Herbaceous Openland	drill seeding,	Proposal

S t		Gra		Report 4 Treatments					Compartment: 215 Year of Entry: 2017		
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
416	72215416-NF	1.2	3102 - Grass	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
<u>Preso Spec</u> Next	<u>s:</u> brushir <u>Step</u>		Site Conditior maintenance, as r d shrub planting, F	needed, that				od plot seeding, n	o-till prairie grass	drill seeding, ı	nowing,
Acce	<u>ments:</u> ptable										
	Old n <u>ment:</u>	ext step co									
	osed Start Date			) NI ( 1 -				Othern Orecelfe	010		Deserved
418	72215418-NF	6.1 3	31029 - Grass (Ol	) NONSTOCKE	a	ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
	itat Cut: No		Site Condition		movin	aluda dial	ing fortilizing fo	ad plat acading p	a till proirie groop	طبناا مممطنمم	nowing
Spec			d shrub planting, F					od plot seeding, n	o-uii praine grass	ann seeding, i	nowing,
	<u>Step</u> ments:										
<u>Acce</u> Rege	ptable_ n:										
<u>Othe</u> Comi	<u>r</u> Old n <u>ment:</u>	ext step co	mments:								
Propo	osed Start Date	<u>e:</u> 10/1 /:	2016								
421	72215421- Burn	37.8 3	31029 - Grass (Ol	) Nonstocke	d	Unspec ified	Burn	Opening	310 - Herbaceous Openland		Proposal
		n to set bad	Site Condition		dy spec	ies and p	romote prairie sp	pecies such as wa	rm season grasse	s and wildflow	ers.
	<u>Step</u> ments:										
<u>Acce</u> Rege	<u>ptable</u> n:										
	<u>ment:</u>	ext step co									
Propo	osed Start Date										
421	72215421- Prep	10.5 3	31029 - Grass (OI	) Nonstocke	d	Unspec ified	SitePrep	Trenching	42110 - Planted Red Pine	Even-Aged	Proposal
	itat Cut: No cription Trench	the stand	Site Condition to prepare to plan		vith the	adjacent	stands when the	y get treated.			
Next	<u>Step</u> Monito ments:	ring, Artific	ial Regen(1yr); N	Ionitoring, Aı	rtificial F	Regen(3y	r); Pesticide, Ae	erial; SitePrep, R	oller Chopping; F	Planting, Initial	Plant
Treat											
		stocked sta	and of planted red	pine.							
<u>Acce</u> Rege Othe	<u>n:</u>	stocked sta ext step co		pine.							

Grayling Mgt. Unit S t				Re	eport 4	Treatmer	nts	Compart Year of	DIR MATURAL AND		
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
424	72215424- Prep	1.3	3102 - Grass	Nonstocke	ł	Unspec ified	SitePrep	Trenching	4211 - Planted Red Pine	Even-Aged	Proposal
	t <u>at Cut:</u> No ription Trench	n stand to p	Site Condition	<u>ı:</u>							
Next S Treatr	<u>Step</u> Pestici <u>ments:</u>	de, Aerial;	Monitoring, Artifi	cial Regen(1)	/r); Mo	onitoring,	Artificial Regen(	3yr); Planting, Ini	tial Plant		
<u>Accep</u> Reger		stocked sta	and of red pine.								
<u>Other</u> Comn		ext step co	mments:								
Propo	sed Start Date	<u>e:</u> 10/1 /	2020								
25	72215425- Prep	1.1 🗧	31029 - Grass (Ol	) Nonstockee	ł	Unspec ified	SitePrep	Trenching	4211 - Planted Red Pine	Even-Aged	Proposal
<u>Next S</u> Freatr	<u>Step</u> SitePre ments:				<i>l</i> onitori	ing, Artific	ial Regen(1yr);	Monitoring, Artific	ial Regen(3yr);   I	Planting, Initial	Plant
Next S Treatr Accep Reger	<u>Step</u> SitePro ments: <u>ptable</u> A fully	stocked sta	and of planted red		<i>l</i> onitori	ing, Artific	ial Regen(1yr);	Monitoring, Artific	tial Regen(3yr);   I	Planting, Initial	Plant
Accep Reger Other Comn	Step SitePro nents: <u>ptable</u> A fully <u>n:</u> Old n nent:	stocked sta	and of planted red		<i>l</i> onitori	ing, Artific	ial Regen(1yr);	Monitoring, Artific	sial Regen(3yr);   I	Planting, Initial	Plant
Next S Treatr Accep Reger Other Comn Propo	<u>Step</u> SitePro <u>ments:</u> <u>otable</u> A fully <u>n:</u> Old n	stocked sta	and of planted red				ial Regen(1yr); NonForestMgt	Monitoring, Artific Other - Specify	ial Regen(3yr); F 310 - Herbaceous Openland	Planting, Initial	Plant Proposal
Next S Freatr Accep Reger Other Domn Propo 128 Habit Presc	StepSitePro <u>nents:</u> A fully <u>Diama Old n</u> <u>nent:</u> <u>sed Start Date</u> 72215428-NF <u>tat Cut:</u> No <u>ription</u> Period	stocked sta ext step co <u>x</u> 10/1 / 1.4 ic opening	and of planted red omments: 2020 3102 - Grass <u>Site Condition</u>	Nonstocked	d may inc	Unspec ified	NonForestMgt		310 - Herbaceous Openland		Proposal
Next S Freatr Accep Reger Dther Comn Propo 128 Habit Presc Specs Next S	Step SitePronents: Stable A fully Control A fully Control A fully Old n Control A fully Old n Control A fully Old n Control A fully Control A fully	stocked sta ext step co <u>x</u> 10/1 / 1.4 ic opening	and of planted red omments: 2020 3102 - Grass <u>Site Conditior</u> maintenance, as b	Nonstocked	d may inc	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
Next <u>S</u> Treatr Accep Reger Dther Comn Propo Propo 128 Habit Presc Specs Next <u>S</u>	Step	stocked sta ext step co <u>x</u> 10/1 / 1.4 ic opening	and of planted red omments: 2020 3102 - Grass <u>Site Conditior</u> maintenance, as b	Nonstocked	d may inc	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal
Next S Treatr Accept Accept Dther Dther Dther Comn Propo 128 Habit Presc Specs Next S Next S Next S	Step SitePronents: Stable A fully Dia Old n nent: Sted Start Date 72215428-NF tat Cut: No ription Period Step nents: Step nents: Stable D: Old n	stocked sta ext step co <u>x</u> 10/1 / 1.4 ic opening	and of planted red omments: 2020 3102 - Grass <u>Site Condition</u> maintenance, as i d shrub planting, F	Nonstocked	d may inc	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Proposal

582.6 Acreage Proposed:

Grayling Mgt. Unit

Compartment: 215 Year of Entry: 2017

# Paul Roell : Examiner

	3D	5E
Aspen	5	
Herbaceous Openland		
Jack Pine		
Low-Density Trees		
Lowland Shrub		
Mixed Upland Deciduous		
Natural Mixed Pines		
Northern Hardwood		2
Planted Mixed Pines		
Red Pine		
Upland Shrub		
Urban		
Water		
White Pine		
Total Forested Acres	5	2
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 Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
comments:						
	Cond Availability Unavailable Comments:	Cond AvailabilityDominant Site ConditionUnavailable3D: Recreational / Scenic valuesComments:Second CompositionUnavailable5E: Long-Term Retention	Cond AvailabilityDominant Site ConditionAcresUnavailable3D: Recreational / Scenic values5Comments:5Unavailable5E: Long-Term Retention2	Cond Availability       Dominant Site Condition       Acres       Other Site Condition         Unavailable       3D: Recreational / Scenic values       5       Unspecified         Comments:       Unavailable       5E: Long-Term Retention       2       Unspecified	Cond Availability       Dominant Site Condition       Acres       Other Site Condition       Other Site Condition         Unavailable       3D: Recreational / Scenic values       5       Unspecified       Unspecified         Comments:       Unavailable       5E: Long-Term Retention       2       Unspecified       Unspecified	Cond AvailabilityDominant Site ConditionAcresOther Site ConditionOther Site ConditionOther Site ConditionUnavailable3D: Recreational / Scenic values5UnspecifiedUnspecifiedUnspecifiedComments:Unavailable5E: Long-Term Retention2UnspecifiedUnspecifiedUnspecified



### 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

Comments



# 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.

Area SCA = Special Conservation Area	Conservation Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
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S t	Grayling	g Mgt. Unit		Report 8	– Forested	Stands Compartment: 215 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Poletimber Well	27.8	63	81-110	
2	4139 - Aspen, Mixed Deciduous	Sapling Well	6.4	27	Immature	
3	4130 - Aspen	Sapling Well	12.7	25	Immature	
4	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	27.0	82	81-110	OPIC - FMD: Solomon's seal, trillium, and trailing arbutus. What aspen is here is on its way out. Sugar maple sawlogs-a few nice most marginal. Beech and ironwood understory some sugar maple.
5	42130 - Planted Scotch Pine	Poletimber Medium	8.5	51	51-80	
6	4112 - Maple, Beech, Cherry Association	Poletimber Well	12.7	97	141-170	
8	4112 - Maple, Beech, Cherry Association	Poletimber Well	9.0	95	81-110	
10	4112 - Maple, Beech, Cherry Association	Poletimber Poor	10.5	97	1-50	Stand was harvested and all the maple was left. Treatment from last entry was coded as a selection harvest it was really a species removal and does not need a regen check.
12	4112 - Maple, Beech, Cherry Association	Poletimber Well	7.2	97	81-110	
13	4130 - Aspen	Poletimber Medium	5.1	65	1-50	
14	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.1	92	111-140	
15	4112 - Maple, Beech, Cherry Association	Poletimber Well	5.7	97	51-80	
16	42100 - Planted White Pine	Sapling Medium	1.3	12	Immature	There are no planting records. The age is just an estimate. It appears to have been planted by the adjacent land owner.
18	42100 - Planted White Pine	Sapling Medium	2.3	12	Immature	There are no planting records. The age is just an estimate. It appears to have been planted by the adjacent land owner.
19	4111 - S.Maple, Hard Mast Association	Poletimber Well	4.4	93	111-140	Average BA is 130 sqft over 3 points.
22	42110 - Planted Red Pine	Sawtimber Well	30.6	60	111-140	Stand was harvested/thinned under tsale contract 720090701 in 2008/2009. Trace of scattered aspen and there is a some white pine along the CO road. There is a Deep hole north end was not harvested and the depression should be row thinned next entry. Average ba of 140 sqft over 8 points.

S t	Grayling	g Mgt. Unit		Report 8	– Forested	Stands Compartment: 215 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	4133 - Aspen, Mixed Pine	Poletimber Well	10.1	63	111-140	Stand appears to be partly planted.
26	4112 - Maple, Beech, Cherry Association	Poletimber Medium	24.4	86	51-80	
27	4139 - Aspen, Mixed Deciduous	Poletimber Well	6.3	68	141-170	
37	42290 - Natural Mixed Pine	Sapling Medium	1.8	6	Immature	Stand may have been planted?
38	42120 - Planted Jack Pine	Poletimber Well	4.9	53	81-110	
39	4112 - Maple, Beech, Cherry Association	Poletimber Medium	3.8	63	1-50	
40	42110 - Planted Red Pine	Poletimber Well	29.4	57	111-140	3rd row thinned 1998-2000. Average stand BA is 156 sqft over 7 points. Dense under story.
41	4112 - Maple, Beech, Cherry Association	Poletimber Medium	7.1	87	51-80	
42	4130 - Aspen	Sapling Well	5.7	26	Immature	
43	4110 - Sugar Maple Association	Sawtimber Well	113.5	97	81-110	OPIC - FMD: Dr. John A. Witter, University of Michigan, School of Natural Resources & Environment is doing some research (Michigan Beech Bark Disease Monitoring and Impact Analysis System to monitor the condition and change of Michigan's northern hardwood forest overstory in response to beech bark disease an other disturbances. Stand was thinned 1998. UPDATE: There appeared to be some updated survey points/plots within the stands in regards to this work.
44	4111 - S.Maple, Hard Mast Association	Poletimber Well	148.9	85	81-110	Flat terrain once on top, mostly pole size (6-9) with some very nice stems. Crop tree to 90 BA. Prescription applied in tsale 72-040-07-01, 8/13/12. A trace of white pine in the stand.
46	4199 - Other Mixed Upland Deciduous	Sapling Well	3.1	16	Immature	Clear cut 1999 contract #002-98-01, First Time Hardwoods.
48	4139 - Aspen, Mixed Deciduous	Poletimber Well	38.8	32	1-50	
49	42110 - Planted Red Pine	Poletimber Well	76.4	51	141-170	The average BA was 160 sqft. over 19 points. Portions of the stand could be thinned but I think it should be held of until the next entry.
50	42110 - Planted Red Pine	Poletimber Well	25.3	57	111-140	Stand thinned in 2007-2008 under tsale 720130701. This stand was part of Rugged Red Pine #039-97-01 thinned from 1998 to 2000. Do an individual marking. Average stand BA of 143 sqft with 6 points. Strip of jack pine along county road.

S t	Grayling	g Mgt. Unit		Report 8	– Forested	Stands Compartment: 215 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
52	4130 - Aspen	Poletimber Well	79.4	29	Immature	
53	4130 - Aspen	Sapling Well	19.0	6	Immature	Stand final harvested under tsale 720130701 in 2008. It appears as if all birch was left and possibly the elm.
55	42110 - Planted Red Pine	Sawtimber Well	34.2	54	111-140	Stand thinned under tsale 720130701 in 2007-2008.
57	4110 - Sugar Maple Association	Poletimber Well	10.0	87	111-140	Aspen/mixed hardwood on both ends of stand.
58	4111 - S.Maple, Hard Mast Association	Sawtimber Well	90.7	93	81-110	Thinned in 2000 contract # 72060-99-01 Roberts Rd Hardwood. 85 regeneration holes were cut, the large-crowned beech den trees were left. Dense understory of beech and iron wood.
59	4111 - S.Maple, Hard Mast Association	Poletimber Well	5.4	96	81-110	
60	4130 - Aspen	Poletimber Well	12.0	58	51-80	Stand is a conbination of pockets of aspen fingering together to creat one meandering stand.
61	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.2	88	81-110	
62	4130 - Aspen	Sapling Well	45.7	25	Immature	
65	4111 - S.Maple, Hard Mast Association	Poletimber Well	47.3	93	81-110	Did QD average stand basal area of 88 sqft per acre.
67	4130 - Aspen	Poletimber Well	40.0	31	Unspecified	Harvested 1984, some cherry and irowood on the edges.
70	42110 - Planted Red Pine	Poletimber Well	14.2	60	111-140	Stand was thinned under tsale 720130701 in 2007-2008. Current BA is 135 sqft over 3 points.
71	42110 - Planted Red Pine	Poletimber Well	51.0	60	111-140	Stand was harvested under tsale contract 720090701 in 2008/2009. Average ba of 114 sqft over fourteen points. There are some traces of jack pine, scotch pine and white pine along the CO road.
75	42130 - Planted Scotch Pine	Poletimber Well	4.8	65	81-110	

Grayling Mgt. Unit

Compartment: 215 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:
7	122 - Road/Parking Lot	2.8	No	
9	122 - Road/Parking Lot	5.2	No	Road and a distribution power line
11	3102 - Grass	9.6	No	Scattered cherry, aspen, red maple, service berry, apple, sumac, hawthorn, scotch pine, red pine, and white pine. There are a few rows of planted pine along I-75.
25	3102 - Grass	1.8	No	OPIC - FMD: Rasberry, clover and trillium. A few little pocket of grassy open less than a 1/4 acre. Some TA and scattered hardwood clumps.
47	510- Water (OI)	0.7	No	Cattails and tag alder.
51	320 - Upland Shrub	5.1	No	Ironwood, bracken fern mix of service berry and cherry. A few open area with scattered clumps of sugar maple.
56	6220 - Alder/willow	1.3	No	Stand did appear to have a little pocket of water surrounded by willow, Aspen and Cherry.
400	3102 - Grass	188.1	No	Scattered cherry, aspen, red maple, service berry, apple, sumac, hawthorn, scotch pine, red pine, and white pine.
403	3102 - Grass	9.4	No	Scattered cherry, aspen, red maple, service berry, apple, sumac, hawthorn, scotch pine, red pine, and white pine.
405	31029 - Grass (OI)	8.6	No	
406	3102 - Grass	21.9	No	Scattered Cherry, red maple, aspen, white pine and some jack pine seeding in.
407	310 - Herbaceous Openland	1.5	No	
408	31029 - Grass (OI)	19.6	No	Scattered cherry, birch, aspen and white pine
409	31029 - Grass (OI)	1.7	No	
410	3102 - Grass	6.7	No	Some red pine, jack pine, and scotch pine are starting to fill in. There are a couple apple trees in the southern portion of this stand.
411	3102 - Grass	1.4	No	Stand is filling in with jack pine and some scotch pine. Next inventory it may be a forested stand.

Grayling Mgt. Unit

Compartment: 215 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:
412	3102 - Grass	3.3	No	Small grass opening. A few apple trees, scattered cherry, aspen and some hawthorn. Also, starting to filling with some red pine.
414	3102 - Grass	5.7	No	Stand follows a valley, cherry service berry and bracken fern. Aspen filling in both sides.
415	31029 - Grass (OI)	24.2	No	Mostly grass a few large diameter maple, over mature clones of aspen, some hawthorn, traces of white pine and scattered low quality cherry. Survey marker along private line (FJA RLS-21266).
416	3102 - Grass	1.2	No	Old antrim well site.
417	31029 - Grass (OI)	0.9	No	Old antrim well site.
418	31029 - Grass (OI)	6.1	No	Scattered cherry, apple, hawthorn, aspen, white pine and red pine.
420	3102 - Grass	4.6	No	Scattered cherry, serviceberry, aspen, white pine and red pine.
421	31029 - Grass (OI)	46.7	No	Scattered cherry, apple, hawthorn, aspen, white pine and red pine.
423	31029 - Grass (OI)	3.9	No	Read locked OFS point
424	3102 - Grass	1.3	No	Small grassy opening. Furrowed but the red pine was either not planted or died.
425	31029 - Grass (OI)	1.1	No	Small grassy opening. Furrowed but the red pine was either not planted or died.
426	31029 - Grass (OI)	3.4	No	Stand follows a valley, cherry service berry and bracken fern. Aspen filling in both sides.
427	330 - Low-Density Trees	10.6	No	Mostly grass cherry, serviceberry and bracken fern. Aspen and hardwoods filling in both sides. Valley with some steep slopes.
428	3102 - Grass	1.4	No	Small grassy opening.
429	31029 - Grass (OI)	1.4	No	Small grassy opening.
430	31029 - Grass (OI)	0.9	No	Old antrim well site.
431	3102 - Grass	1.0	No	Old antrim well site starting to fill in with red pine.

Compartment: 215 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:	
432	31029 - Grass (OI)	0.9	No	OPIC - FMD: Small grassy opening.	