

# **Compartment Review Presentation**

Shingleton Forest Management Unit

Compartment	41094
Entry Year	2017
Acreage:	1,781
County	Delta
Management Area:	Garden Thompson Plains

**Revision Date: 2015-08-04** 

Stand Examiner: Tori Irving

### Legal Description:

T39N, R18W, Sections 1-3 & 10-12

#### **Identified Planning Goals:**

The goals in this compartment include conducting multiple resource management for current and future generations. Forest Health, Recreation, Biodiversity Stewardship, Wildlife and Timber Management are some of the key management components within this compartment.

#### Soil and topography:

The majority of this compartment is comprised of organic soils and other poorly drained soil types. There are some well drained sands and loamy sands as well, usually occurring on ridges. The terrain in the area is flat to rolling.

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

Ownership within the compartment is fairly fragmented with private land. The private land is either forest, marsh or agricultural. Permanent homes are starting to show up more frequently in this area. There is a State Police Radio Tower within section 1. Land use is a growing issue in this area.

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

Currently under review by Michigan Natural Features Inventory (MNFI).

#### Archeological, Historical, and Cultural Features:

None known.

**Special Management Designations or Considerations:** 

None known.

# Watershed and Fisheries Considerations:

None identified.

#### Wildlife Habitat Considerations:

This compartment is located on the Garden Peninsula. The Cooks-Garden Grade bisects the compartment. General Land Office surveyors described the pre-settlement upland forest as a combination of hemlock, birch, beech, and red maple. Other species found included aspen, balsam poplar, white pine, ironwood, basswood, and butternut. Lowland forests were dominated by conifers such as spruce, cedar, fir, and tamarack. The current forest cover contains a much higher amount of aspen than found circa 1850. However, much of the lowland conifer stands appear to be fairly similar in forest composition to the pre-settlement forest. Featured species in this compartment are woodcock, ruffed grouse, white-tailed deer, and turkey. Wildlife habitat objectives include promoting age class diversity between aspen stands, providing old growth forest characteristics, and maintaining closed canopy conifer forest.

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

#### **Delta County**

Surface sediments consist of lacustrine sand and gravel and medium-texture till. The glacial drift thickness varies between 0 and 10 feet. The Silurian Manistique Group subcrops below the glacial drift. This rock unit has the potential to be used for stone. Small gravel pits exist in sections 10 and 12, but potential appears to be limited by thin glacial drift. There is no commercial oil and gas production in the UP.

#### Vehicle Access:

Access to the bulk of the compartment is very limited. The Cooks Garden Grade is the main access. However, the Grade is blocked by a private gate to the south. The only access on the west side of the compartment is through private ownership, which is also gated. There is a county road on the east side of the compartment, which provides good access but the adjacent private land has a gate that blocks off the interior of the compartment.

# Survey Needs:

None.

### **Recreational Facilities and Opportunities:**

The Cooks Garden Grade is a Snowmobile Trail which is the only trail link to the City of Garden and the Garden Peninsula. The compartment does offer some secluded hunting opportunities due to the lack of roads in the area. The Cooks Garden Grade is also used by ORV enthusiasts.

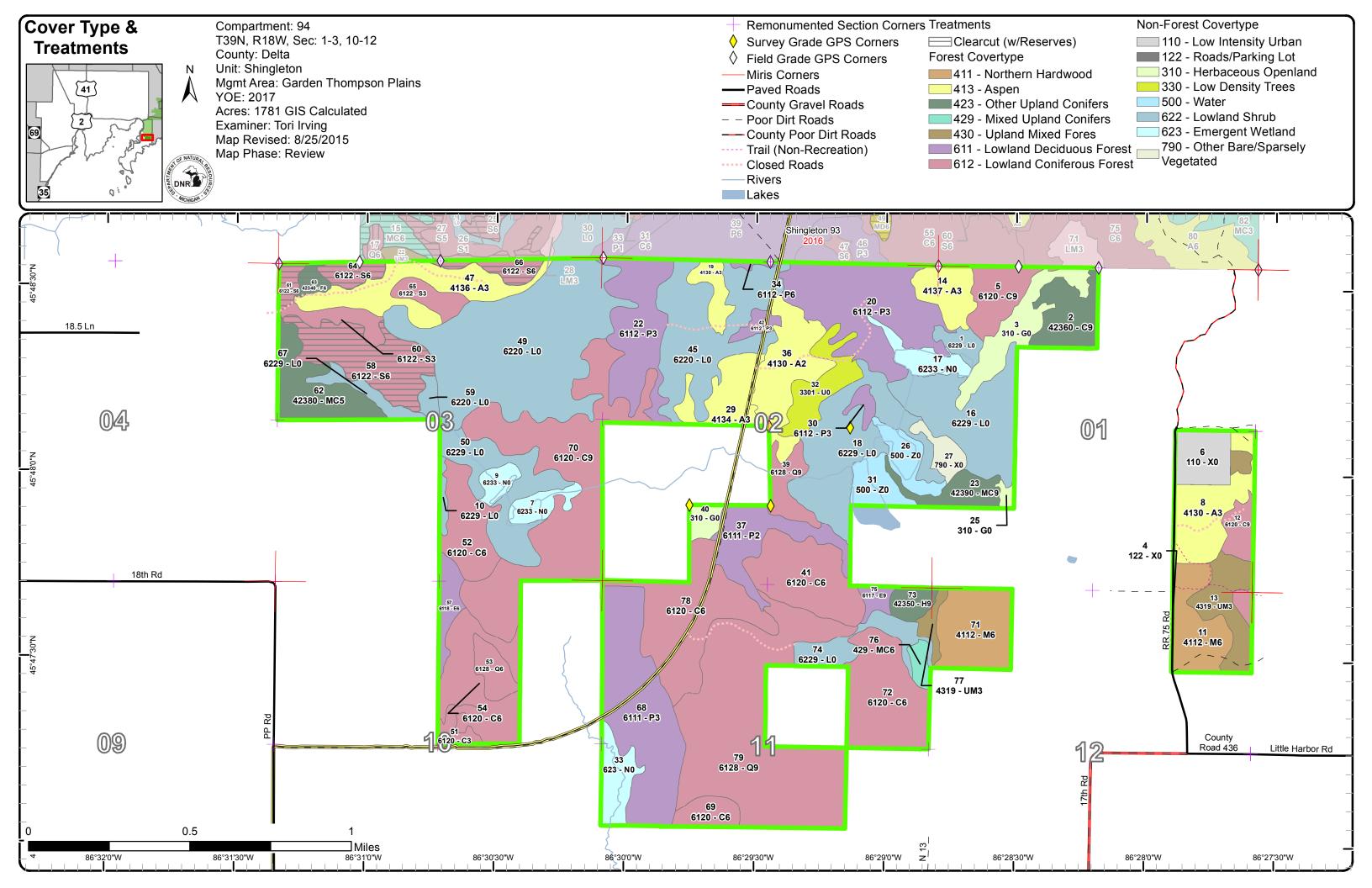
#### **Fire Protection:**

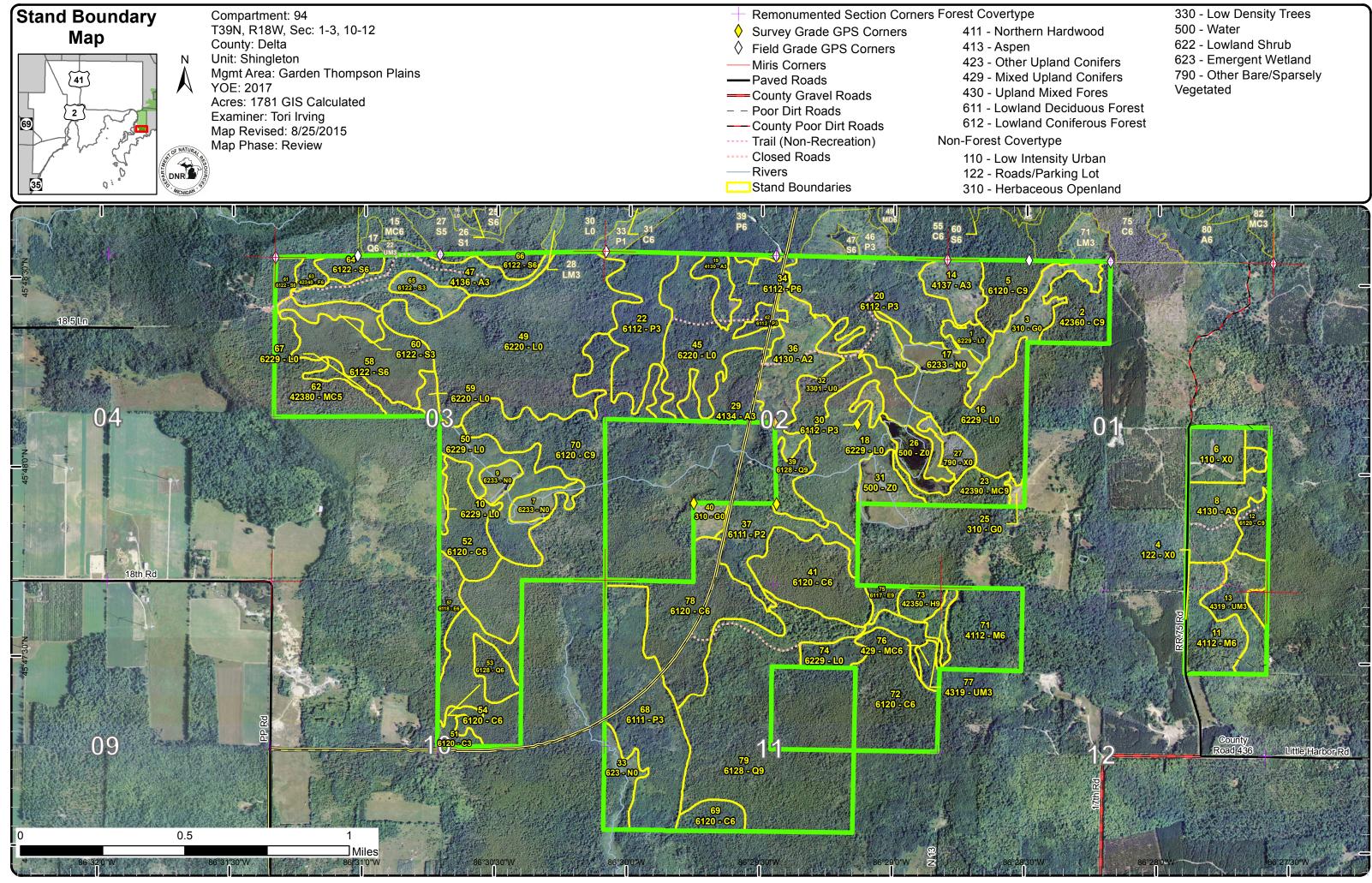
Response times to fires within the compartment will be relatively slow due to its location. Fire operations will be challenging in some areas due to the lack of roads and the number of creeks present and organic soils. The compartment is comprised mainly of lowland conifer types and aspen which reduces the risk of catastrophic fires.

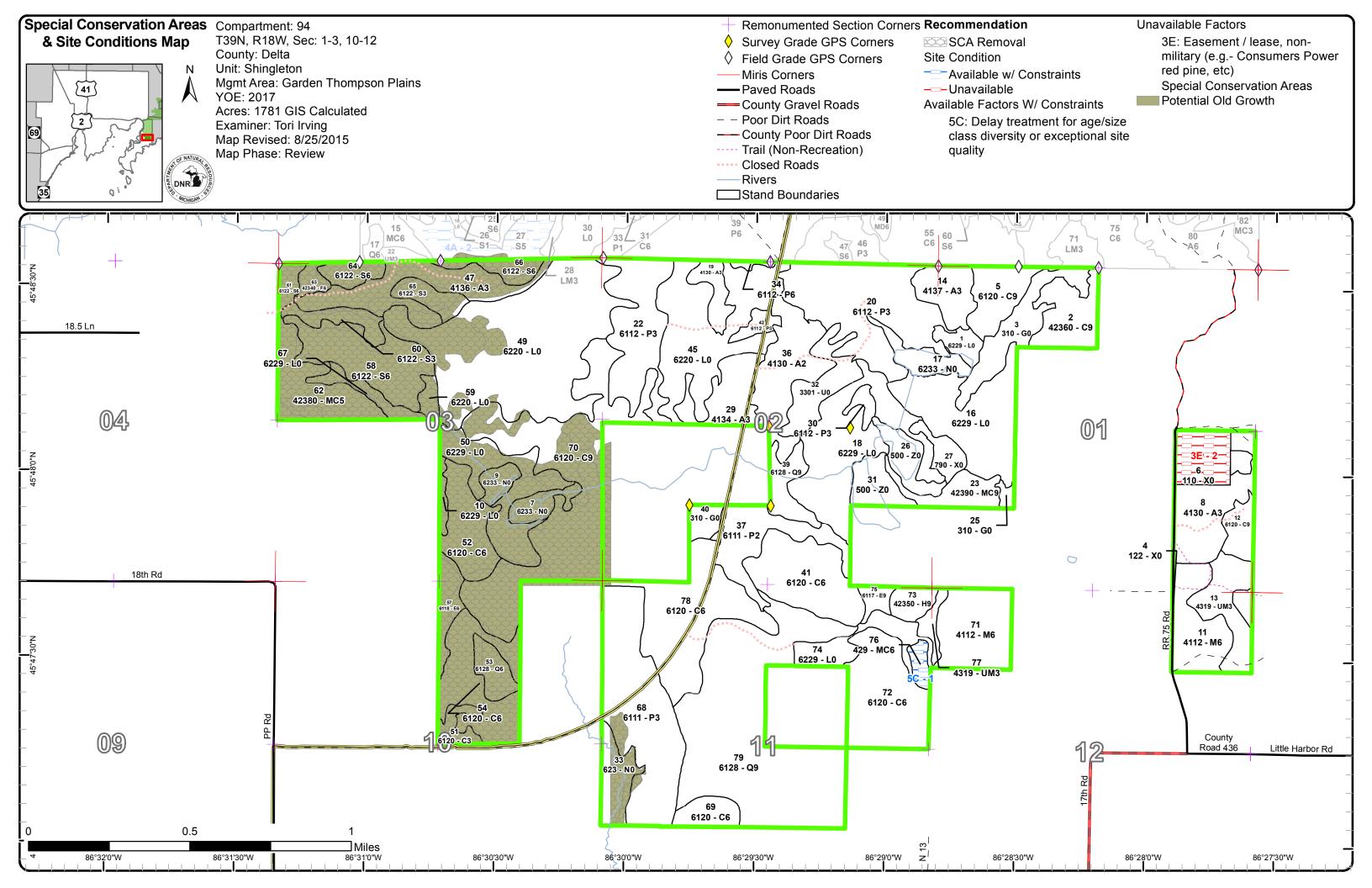
#### **Additional Compartment Information:**

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



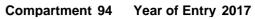




# Report 1 – Total Acres by Cover Type and Age Class

Shingleton Mgt. Unit

# **Tori Irving : Examiner**





Age Class

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Bare/Sparsely Vegetated	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Cedar	0	0	0	0	0	7	0	0	0	0	39	13	54	0	0	0	0	297	410
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8
Herbaceous Openland	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Low-Density Trees	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Lowland Aspen/Balsam Poplar	0	0	77	151	0	0	0	0	0	0	0	0	0	0	0	0	0	4	232
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	170
Lowland Deciduous	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	5	16
Lowland Shrub	398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	398
Lowland Spruce/Fir	0	0	10	0	0	0	0	0	0	64	0	0	0	0	0	0	0	10	84
Marsh	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Northern Hardwood	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	28	64
Upland Conifers	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	20	52
Upland Mixed Forest	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	31
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Urban	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Water	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Total	550	54	131	183	0	7	0	0	47	101	39	13	54	0	0	0	0	601	1780



 Year of Entry: 2017
 Acres of Harvest
 Total Compartment Acres: 1,781

 Commercial Harvest - 69
 Commercial Harvest - 69
 Harvests with Site Condition - 0

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

#### Cover Type by Harvest Method



# Proposed and Next Step Treatments by Method

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Next Step		0	0	0	0	0	0	69	0	0	69	
	Total	69	0	0	0	0	0	69	0	0	138	

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	itment ame	Acres		and erType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
	8057-4- Iew	20.7	4138 - A	Aspen (OI)	Poletimber Well	42	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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<u>Other</u> Comment:	Do not	cut servio	ceberry a	nd dogwoo	d. Old next	step co	mments:					
Proposed S	tart Date	<u> </u>	/2016									
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<u>Other</u> Comment:	Do not	cut servio	ceberry a	nd dogwoo	d. Old next	step co	mments:					
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57 41088	057-Cut	24.8	4138 - <i>A</i>	Aspen (OI)	Poletimber Well	42	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cu				ondition:						5 "	100 ( · · <b>T</b> ) :	
Prescription Specs:	retentic	on area. N	/linimize i	mpacts to s	snowmobile	trail if p	ossible.		used on hardwood tr retention is accepta ogs.			
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a n d	Treatmei Name	nt Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
57	4108805 Cutx	<b>7-</b> 15.7	4138 - Aspen (OI)	Poletimber Well	42	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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58 4	1088058-	<b>Cut</b> 18.0	4138 - Aspen (OI)	Poletimber Medium	42	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Propos	ed Start I	Date: 10/1	/2016								
72 4	1088072-	<b>Cut</b> 3.6	4138 - Aspen (OI)	Poletimber Poor	40	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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a n d	Treatm Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
19	410890 Cuty	-	23.1	4130 - Aspen	Poletimber Well	45	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Propos	sed Star	t Date:	10/1 /	2021								
19	410890 Cutx	-	13.4	4130 - Aspen	Poletimber Well	45	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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47 4	108904 <sup>-</sup>	7-Cut	7.8	4130 - Aspen	Sapling Well	28	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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48 4	108904	8-Cut	22.1	6112 - Lowland Aspen	Poletimber Well	31	Unspec ified	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Proposal
<u>Habit</u>	at Cut:	No		Site Condition:	<u>.</u>							
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Propos	sed Star	t Date:	10/1 /	2016								

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Shingleton Mgt. Unit **Report 4 -- Treatments** Compartment: 90 s Year of Entry: 2010 t а Treatment Stand Stand BA Treatment Treatment Cover Type Acres Size Age Approval n Name CoverType Density Age Range Type Method Objective Structure Status d 2 41090002-Cut 19.0 4138 - Aspen (OI) Clearcut with 413 - Aspen Poletimber 44 51-80 Harvest Even-Aged Proposal Medium Retention Habitat Cut: No Site Condition: Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site Specs: for drumming logs. Next Step Treatments: Acceptable Aspen regeneration is expected, but mixed coniferous and deciduous are acceptable. Regen: <u>Other</u> Do not cut serviceberry and dogwood. Old next step comments: Comment: Proposed Start Date: 10/1 /2021 41090002-Poletimber 413 - Aspen Proposal 25.8 4138 - Aspen (OI) 44 51-80 Clearcut with 2 Harvest Even-Aged Cutx Medium Retention Habitat Cut: No Site Condition: Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if Specs: possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs. Next Step Treatments: Acceptable Aspen regeneration is expected, but mixed coniferous and deciduous are acceptable. Regen: Other Do not cut serviceberry and dogwood. Old next step comments: Comment: Proposed Start Date: 10/1 /2016 20.3 4138 - Aspen (OI) 41090009-Cut Poletimber 37 51-80 Harvest Clearcut with 413 - Aspen Even-Aged Proposal 9 Medium Retention Habitat Cut: No Site Condition: Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site Specs: for drumming logs. Next Step Treatments: Acceptable Aspen regeneration is expected, but mixed coniferous and deciduous are acceptable. Regen: Do not cut serviceberry and dogwood. Old next step comments: Other Comment: Proposed Start Date: 10/1 /2016 10 41090010-Cut 20.1 4138 - Aspen (OI) Poletimber 35 51-80 Harvest Clearcut with 413 - Aspen Even-Aged Proposal Medium Retention Habitat Cut: No Site Condition: Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site Specs: for drumming logs. Next Step Treatments: Acceptable Aspen regeneration is expected, but mixed coniferous and deciduous are acceptable. Regen: Other Do not cut serviceberry and dogwood. Old next step comments: Comment: Proposed Start Date: 10/1 /2021

S t		Shin	gleton Mgt. Unit		Re	eport 4	Treatme	nts	•	tment: 90 Entry: 2010	DR NATURA PROUNCE
••	atment ame	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
20 41090	020-Cut	17.7	4138 - Aspen (OI)	Poletimber Medium	34	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Con Prescription Specs:	<u>1</u> Cut all possibl	e. Less th	nan 3% retention is a	cceptable to	o promo	ote best p	ossible aspen i	used on hardwood tro regeneration. Leave eciduous are accept	at minimum 1, 8		
<u>Next Step</u> Treatments	<u>:</u>										
<u>Acceptable</u> Regen:	Aspen	regenerat	tion is expected, but	mixed conif	erous a	and decidu	uous are accep	table.			
<u>Other</u> Comment:	Do not	cut servic	ceberry and dogwood	d. Old next	step co	omments:					
Proposed S	start Date	<u>:</u> 10/1	/2021								
62 41090	062-Cut	20.1	4138 - Aspen (OI)	Poletimber Poor	35	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cu		troop ovo	Site Condition:	whore pro	oont Tu	va inah ar		used on hardwood tre	oo Minimizo im	nanta ta anaum	abila trail if
Specs:			an 3% retention is a						ees. Minimize ini	pacts to shown	
Next Step Treatments	<u>.</u>										
<u>Acceptable</u> Regen:	Aspen	regenerat	tion is expected, how	vever mixed	conifer	ous and o	deciduous trees	s are acceptable.			
<u>Other</u> Comment:	Leave	at minimu	m 1, 8 inch, 8 feet lo	ong log on s	ite for c	Irumming	logs. Do not c	ut serviceberry and	dogwood. Old n	ext step comme	ents:
Proposed S	tart Date	<u> </u>	/2021								
	90062- Cutx	18.9	4138 - Aspen (OI)	Poletimber Poor	35	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cu Prescription Specs: Next Step Treatments	Cut all possibl for drur	e. Less th	an 3% retention is a	cceptable to	o promo	ote best p	ossible aspen i	used on hardwood tre regeneration. Leave eciduous are accept	at minimum 1, 8		
Acceptable Regen:	Aspen	regenera	tion is expected, but	mixed coni	ferous	and decid	luous are accep	otable.			
<u>Other</u> Comment:	Do not	cut servic	ceberry and dogwood	d. Old next	step co	omments:					
Proposed S	start Date	<u>:</u> 10/1	/2016								
	90062- utxx	16.9	4138 - Aspen (OI)	Poletimber Poor	35	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cu	<u>ut:</u> No <u>1</u> Cut all possibl	e. Less th	ian 3% retention is a	where pres	o promo	ote best p	ossible aspen i	used on hardwood tro regeneration. Leave eciduous are accept	at minimum 1, 8		
<u>Next Step</u> Treatments		5.0		•	-						
<u>Acceptable</u> <u>Regen:</u>	Aspen	regenerat	tion is expected, but	mixed conif	erous a	and decidu	uous are accep	table.			
Other Comment:	Do not	cut servic	eberry and dogwood	d. Old next	step co	mments:					
Proposed S	tart Date	<u>:</u> 10/1	/2021								

Shingleton Mgt. Unit **Report 4 -- Treatments Compartment: 90** s Year of Entry: 2010 t а Treatment Stand BA Treatment Treatment Cover Type Acres Stand Size Age Approval n Name CoverType Density Age Range Type Method Objective Structure Status d 41090066-Cut 12.6 4138 - Aspen (OI) Clearcut with Proposal 66 Poletimber 37 1 - 50Harvest 413 - Aspen Even-Aged Medium Retention Habitat Cut: No Site Condition: Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site Specs: for drumming logs. Next Step Treatments: Acceptable Aspen regeneration is expected, but mixed coniferous and deciduous are acceptable. Regen: <u>Other</u> Do not cut serviceberry and dogwood. Old next step comments: Comment: Proposed Start Date: 10/1 /2021 21.1 Proposal 41090079-Cut 4138 - Aspen (OI) Poletimber 37 51-80 Clearcut with 79 Harvest 413 - Aspen Even-Aged Medium Retention Habitat Cut: No Site Condition: Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if Specs: possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs. Next Step Treatments: Aspen regeneration is expected, but mixed coniferous and deciduous are acceptable. Acceptable Regen: Other Do not cut serviceberry and dogwood. Old next step comments: Comment: Proposed Start Date: 10/1 /2016 41090084-Cut 413 - Aspen 84 10.9 4138 - Aspen (OI) Poletimber 37 1-50 Harvest Clearcut with Even-Aged Proposal Retention Poor Habitat Cut: No Site Condition: Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site Specs: for drumming logs. Next Step Treatments: Acceptable Aspen regeneration is expected, but mixed coniferous and deciduous are acceptable. Regen: Stand is mostly red pine with a heavy aspen component. We are converting this red pine stand to aspen and acreage should be traded with Other Comment: WLD. Do not cut serviceberry and dogwood. Old next step comments: Proposed Start Date: 10/1 /2021 15 41091015-Cut 5.7 4132 - Aspen, Jack Poletimber 31 Unspec Harvest Clearcut with 413 - Aspen Even-Aged Proposal Pine Medium ified Retention Habitat Cut: No Site Condition: Prescription Cut all trees except hemlock and oak where present. Two inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site Specs: for drumming logs Planting, Initial Plant; Monitoring, Natural Regen (Re-Inventory) Next Step Treatments: Acceptable Aspen regeneration is expected, but mixed coniferous and deciduous are acceptable. Regen: Other Stand is mostly grass with aspen encroaching. Do not cut serviceberry and dogwood. Old next step comments: Comment: Proposed Start Date: 10/1 /2021

S t		Shin	gleton Mgt. Unit		Re	eport 4	Treatme	ents	•	tment: 91 Entry: 2013	DNR DNR
	itment ame	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
23 41091	023-Cut	3.4	4131 - Aspen, Oak	Poletimber Well	30	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cu	<u>ut:</u> No		Site Condition:								
Prescription Specs:	possibl		han 3% retention is a					used on hardwood tro regeneration. Leave			
Next Step Treatments:		g, Initial F	Plant; Monitoring, Na	atural Reger	n (Re-Ir	nventory)					
Acceptable Regen:	·	-	tion is expected, but				lous are accep	otable.			
Other Comment:			ceberry and dogwoo	d. Old next	step co	omments:					
Proposed S	tart Date	-	/2021								
	040-Cut	22.1	4131 - Aspen, Oak	Well	30	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cu Prescription Specs:	Cut all possibl		han 3% retention is a	k where pres				used on hardwood tro regeneration. Leave			
<u>Next Step</u> Treatments:	<u>:</u>										
<u>Acceptable</u> <u>Regen:</u>	Aspen	regenera	tion is expected, but	mixed conif	erous a	and decidu	lous are accep	otable.			
<u>Other</u> Comment:	Do not	cut servi	ceberry and dogwoo	d. Old next	step co	omments:					
Proposed S	tart Date	<u>:</u> 10/1	/2021								
47 41091	047-Cut	4.4	4131 - Aspen, Oak	Poletimber Well	46	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cu Prescription Specs:	Cut all possibl		han 3% retention is a	k where pres				used on hardwood tro regeneration. Leave			
<u>Next Step</u> Treatments:	<u>:</u>										
Acceptable Regen:	Aspen	regenera	tion is expected, but	mixed conif	erous a	and decidu	lous are accep	otable.			
<u>Other</u> Comment:	Do not	cut servi	ceberry and dogwoo	d. Old next	step co	omments:					
Proposed S	tart Date	<u>:</u> 10/1	/2016								
57 41091	057-Cut	21.7	4131 - Aspen, Oak		44	Unspec	Harvest	Clearcut with	413 - Aspen	Even-Aged	Proposal
Habitat Cu	ut: No		Site Condition:	Well		ified		Retention			
	Cut all possibl		ept hemlock and oal han 3% retention is a	k where pres				used on hardwood tro regeneration. Leave			
<u>Next Step</u> Treatments:	<u>:</u>										
<u>Acceptable</u> <u>Regen:</u>	Aspen	regenera	tion is expected, but	mixed conif	erous a	and decidu	lous are accep	otable.			
<u>Other</u> Comment:	Do not	cut servi	ceberry and dogwoo	d. Old next	step co	omments:					
Proposed S	tart Date	<u>:</u> 10/1	/2021								

S t		Shin	gleton Mgt. Unit		R	eport 4	Treatme	nts	Compart Year of	ment: 91 Entry: 2013	AND 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
57	41091057- Cutx	20.8	4131 - Aspen, Oak	Poletimber Well	· 44	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
	<u>s:</u> possil		Site Condition: ept hemlock and oak aan 3% retention is a gs.	where pres							
	<u>Step</u> ments:										
Acce Rege		n regenerat	ion is expected, but	mixed conif	erous	and decidu	ous are accep	table.			
<u>Othe</u> Comi	<u>r</u> Dono ment:	ot cut servic	eberry and dogwood	d. Old next	step co	omments:					
	osed Start Dat 41094058-Cu		/2016 6122 - Black Spruce	Poletimber	82	Unspec	Harvest	Clearcut with	6122 - Black	Even-Aged	Proposal
		<b>1</b> 42.0 0		Well	02	ified	Tarvest	Retention	Spruce	L Ven-Ageu	Горозаг
		harvest sta	Site Condition: nd. Include retention		westerr	n edge of tl	he stand. Exclu	ude any pockets th	at are heavy to cee	dar.	
	<u>Step</u> ments:										
Acce Rege	<u>ptable</u> Black n:	spruce.									
Dthe		next step c	omments:								
Prop	osed Start Dat	<u>e:</u> 10/1	/2016								
61	41094061-Cu	t 5.3 (	6122 - Black Spruce	Poletimber Well	82	Unspec ified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
		cut stand. L	Site Condition: eave any pockets the		vier to c	cedar. Acce	ess to the stan	d is through a priva	te camp.		
	<u>Step</u> ments:										
Acce		spruce and	d a mix of lowland co	onifer specie	es.						
Rege											
Othe	r Old ment:	next step c	omments:								
<u>Dthei</u> Comi	-	·	omments: /2016								
Dthei Comi Propo	ment: osed Start Dat 41094063-Cu	<u>e:</u> 10/1	/2016 42340 - Upland Spruce/Fir	Poletimber Well	80	Unspec ified	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Uneven- Aged	Proposal
Dthei Comi Propo 63 Habi Preso	ment: osed Start Dat 41094063-Cu itat Cut: No cription Cleard	<u>e:</u> 10/1 t 4.6	/2016 42340 - Upland	Well		ified		Retention	Upland Conifers		Proposal
Dthei Comi Propo 63 Habi Preso Spec	ment: osed Start Dat 41094063-Cu itat Cut: No cription Cleard s: Step	<u>e:</u> 10/1 t 4.6	/2016 42340 - Upland Spruce/Fir <u>Site Condition:</u>	Well		ified		Retention	Upland Conifers		Proposal
Dthei Comi Propo 63 Habi Preso Spec Next Treat	ment: osed Start Dat 41094063-Cu itat Cut: No cription Cleard Step ments: ptable A mix	<u>e:</u> 10/1 t 4.6 cut stand. E	/2016 42340 - Upland Spruce/Fir <u>Site Condition:</u>	Well that are he		ified		Retention	Upland Conifers		Proposal
Prope 63 Habi Prese Spec Spec Next Treat Acce Rege Othe	ment: <u>ased Start Dat</u> <u>41094063-Cu</u> <u>itat Cut: No</u> <u>cription</u> Cleard <u>s:</u> <u>Step</u> <u>ments:</u> <u>ptable</u> A mix <u>en:</u>	<u>e:</u> 10/1 t 4.6 cut stand. E	/2016 42340 - Upland Spruce/Fir <u>Site Condition:</u> Exclude any pockets and deciduous speci	Well that are he		ified		Retention	Upland Conifers		Proposal

S t		Shin	gleton Mgt. Unit		Re	eport 4	Treatme	nts		tment: 94 Entry: 2017	DR NATURAL
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
64	41094064-Cut	8.2	6122 - Black Spruce	Poletimber Well	82	Unspec ified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
Pres Spec		ut stand. E	Site Condition: Exclude any pockets		avier to	o cedar. In	clude the stand	ds to the north. Acc	ess to the stand i	s through a priv	vate camp.
<u>Rege</u> Othe	en:		d a mix of lowland co omments:	onfer specie	s.						
Prop	osed Start Date	<u>:</u> 10/1	/2016								
66	41094066-Cut	8.9	6122 - Black Spruce	Poletimber Well	82	Unspec ified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Proposal
Pres Spec		arvest sta	Site Condition: nd. Leave some sca		vine. Ac	cess to th	ne stand is thro	ugh a private camp			
	tments:										
<u>Acce</u> Rege	· · · · ·	pruce and	d any mix of lowland	conifer spe	cies.						
<u>Othe</u> Com	<u>r</u> Old no <u>ment:</u>	ext step c	omments:								
Prop	osed Start Date	<u>:</u> 10/1	/2016								
A	Total Treatme creage Propos	່ ກ	49.2								

Shingleton Mgt. Unit

**Tori Irving : Examiner** 

Compartment: 94 Year of Entry: 2017

# Availability for Management

		•		
Dominant Site Condition	Acres	Acres Avail	Acres	Total
ble <b>5C</b> 3E	Not Available	With Condition	Available	Acres
Aspen	0	0	159	159
Bare/Sparsely Vegetated	0	0	8	8
Cedar	0	0	410	410
Hemlock	0	0	8	8
Herbaceous Openland	0	0	34	34
Low-Density Trees	0	0	21	21
Lowland Aspen/Balsam Poplar	0	0	232	232
Lowland Conifers	0	0	170	170
Lowland Deciduous	0	0	16	16
Lowland Shrub	0	0	398	398
Lowland Spruce/Fir	0	0	85	85
Marsh	0	0	44	44
Northern Hardwood	0	0	63	63
Upland Conifers 5	0	5	47	52
Upland Mixed Forest	0	0	31	31
Upland Spruce/Fir	0	0	5	5
<b>Urban</b> 18	18	0	1	19
Water	0	0	26	26
Total Forested Acres 5 18	18	5	1,757	1,781
Relative Percent	1%	0%	99%	

\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

1       Available       5C: Delay treatment for age/size class diversity or exceptional site quality       5       Unspecified       Unspecified       Unspecified         Comments:       Stand is small and would not make sense to treat and prepare for this entry. Treat with adjacent stands during next entry.       Stand is small and would not make sense to treat and prepare for this entry.       Treat with adjacent stands during next entry.	Site Condition	Other Sif	Condition	Other S	ite Condition	Ot	ner Site Conditio	es Oth	ion Acres	Dominant Site Condition	Dominant Site ond Availability	
	Jnspecified	Uns	ecified	Ur	pecified		Unspecified	5	y or	age/size class diversity or		
Stand is small and would not make sense to treat and prepare for this entry. Treat with adjacent stands during next entry.												-
				next entry	stands during	t with adj	or this entry. Tre	prepare fo	treat and pr	ould not make sense to trea	and is small and w	S

		gleton Mgt. Unit Irving : Examiner		Report 5 – Site Co	nditions	Compartment: 94 Year of Entry: 20	
2	Unavailable	3E: Easement / lease, non- military (e.g Consumers Power red pine, etc)	18	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						



\* 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		
Unspecified	Potential Old Growth		SCA Removal	2		
Comments						
Potential Old Growth.	Juneberry in stand.					
Unspecified	Potential Old Growth		SCA Removal	4		
Comments						
	1997, objective to provide a contiguous b Stand is decent quality right adjacent ridg					
Unspecified	Potential Old Growth		SCA Removal	50		
Comments						
SCA-POG Identified in Potential Old Growth.	1997, objective to provide a contiguous b Stand diameter is pretty small but heavily	lock of undisturbed habitat for a stocked. Stand is healthy.	a long term wildlife corridor.			
Unspecified	Potential Old Growth		SCA Removal	34		
Comments						
	1997, objective to provide a contiguous b Garden Aspen Sale, stand is A# througho					
Unspecified	Potential Old Growth		SCA Removal	3		
Comments						
	1997, objective to provide a contiguous b Stand should have been prepped with sta					
Unspecified	Potential Old Growth		SCA Removal			
Comments						
	1997, objective to provide a contiguous b Stand is a narrow finger of small diameter					
Unspecified	Potential Old Growth		SCA Removal	5		
Comments						
	1997, objective to provide a contiguous b Stand is an island surrounded by L, there					
Unspecified	Potential Old Growth		SCA Removal	16		
Comments						
	1997, objective to provide a contiguous b Stand has bands of good good highly stor					
Unspecified	Potential Old Growth		SCA Removal	68		
Comments						
SCA-POG Identified in Potential Old Growth	1997, objective to provide a contiguous b	lock of undisturbed habitat for a	a long term wildlife corridor.			

Potential Old Growth.



\* 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					
Unspecified Comments	Potential Old Growth		SCA Removal	6					
SCA-POG Identified in 1997, objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Potential Old Growth. Very nice cedar regeneration, good stocking. Stand also contains some nice birch regen and pockets of a									
Unspecified	Potential Old Growth		SCA Removal	10					
<b>Comments</b> SCA-POG Identified in 1997, objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Potential Old Growth.									
Unspecified	Potential Old Growth		SCA Removal	3					
<b>Comments</b> SCA-POG Identified in 1997, objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Potential Old Growth. Stand is old and dying, some birch regen, lots of L in understory.									
Unspecified	Potential Old Growth		SCA Removal	2					
<b>Comments</b> SCA-POG Identified in 1997, objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Potential Old Growth. Diameter fades to south. Aspen getting hit by beaver.									
Unspecified	Potential Old Growth		SCA Removal	3					
<b>Comments</b> SCA-POG Identified in 1997, objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Potential Old Growth. Diameter fades to south. Aspen getting hit by beaver.									
Unspecified	Potential Old Growth		SCA Removal	10					
		block of undisturbed habitat for a lor nge of stand 39 but as you get furthe							
Unspecified	Potential Old Growth		SCA Removal	10					
<b>Comments</b> SCA-POG Identified in 199 Potential Old Growth. Tree		block of undisturbed habitat for a lor	ng term wildlife corridor.						
Unspecified	Potential Old Growth		SCA Removal	14					
	7, objective to provide a contiguous of aspen to south but there is cedar	block of undisturbed habitat for a lor r throughout stand, thick in spots.	ng term wildlife corridor.						
Unspecified	Potential Old Growth		SCA Removal	9					
		block of undisturbed habitat for a lor and Bam is dead or dying. Underst		it.					



\* 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					
Unspecified Comments	Potential Old Growth		SCA Removal	5					
SCA-POG Identified in 1997, objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Potential Old Growth. Stand has lots of different regen among the L. The aspen component is falling apart and converting to									
Unspecified	Potential Old Growth		SCA Removal	5					
Comments									
SCA-POG Identified in 1997, objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Potential Old Growth. Treed Bog									
Unspecified	Potential Old Growth		SCA Removal	12					
Comments									
SCA-POG Identified in 1997 Potential Old Growth. Beav	7, objective to provide a contiguous blc er Flooded area.	ock of undisturbed habitat for a lo	ong term wildlife corridor.						
Unspecified	Potential Old Growth		SCA Removal	15					
Comments									
SCA-POG objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Stand types as cedar due to the heavy basal area in the pockets of cedar. Stand was prepped and never cut with Grade's End Block. If cut MO shoul									
Unspecified	Potential Old Growth		SCA Removal	39					
Comments									
	7, objective to provide a contiguous blo d was previously set up and never cut,								
Unspecified	Potential Old Growth		SCA Removal	7					
Comments									
	7, objective to provide a contiguous blo d is narrow with inclusions of spruce fr								
Unspecified	Potential Old Growth		SCA Removal	32					
Comments									
SCA-POG Identified in 1997, objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Potential Old Growth. Beaver Flooded area.									
Unspecified	Potential Old Growth		SCA Removal	7					
Comments									
	7, objective to provide a contiguous blo d has severe water stress from all the								
Unspecified	Potential Old Growth	SCA Removal							
Comments									
SCA-POG Identified in 1997 Potential Old Growth Stand	7, objective to provide a contiguous blo	ock of undisturbed habitat for a lo	ong term wildlife corridor.						

Potential Old Growth. Stand contains Garden Creek.



\* 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			
Unspecified	Potential Old Growth		SCA Removal	7			
Comments	007 chiestive to provide a continuous	block of undisturbed behitst for a lar	a torm wildlife corridor				
	997, objective to provide a contiguous rtion of Garden Aspen Sale cut around			n			
Unspecified	Potential Old Growth	Potential Old Growth					
<b>Comments</b> SCA-POG Identified in 1997, objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Potential Old Growth.							
Unspecified	Potential Old Growth		SCA Removal	10			
<b>Comments</b> SCA-POG Identified in 1997, objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Potential Old Growth. Understory has lots of fir, tag alder and ash.							
Unspecified	Potential Old Growth		SCA Removal	31			
<b>Comments</b> SCA-POG Identified in 19 Potential Old Growth.	997, objective to provide a contiguous	block of undisturbed habitat for a lor	ng term wildlife corridor.				
Unspecified	Potential Old Growth		SCA Removal	6			
Comments SCA-POG Identified in 19	997, objective to provide a contiguous	block of undisturbed habitat for a lor	ng term wildlife corridor.				

SCA-POG Identified in 1997, objective to provide a contiguous block of undisturbed habitat for a long term wildlife corridor. Potential Old Growth. Stand is a small ridge, aspen is over mature. There are more pine logs than plots reflect.



# **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	Shingletor	n Mgt. Unit		Report 8	- Forested	Stands Compartment: 94 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	42360 - Upland Cedar	Sawtimber Well	23.6	87	Unspecified	
5	6120 - Lowland Cedar	Sawtimber Well	20.2	87	Unspecified	
8	4130 - Aspen	Sapling Well	32.5	25	Immature	
11	4112 - Maple, Beech, Cherry Association	Poletimber Well	27.5	70	51-80	
12	6120 - Lowland Cedar	Sawtimber Well	13.5	106	Unspecified	
13	4319 - Mixed Upland Forest	Sapling Well	26.2	12	Immature	
14	4137 - Aspen, Birch	Sapling Well	17.5	4	Immature	Stand was cut as part of the Garden Grade A-B Mix Sale 15-07. The stand was cut in the late winter/early spring of 2011. The TCR date is 6/20/2011.
19	4130 - Aspen	Sapling Well	9.6	25	Immature	
20	6112 - Lowland Aspen	Sapling Well	70.4	25	Immature	
22	6112 - Lowland Aspen	Sapling Well	44.8	26	Immature	Stand was cut as part o Grades End Aspen in 1990.
23	42390 - Mixed Non- Pine Upland Conifers	Sawtimber Well	15.0	145	141-170	
29	4134 - Aspen, Spruce/Fir	Sapling Well	22.5	25	Immature	Stand was cut in 1990 as part of Grades End Block sale. There are some areas of tag alder in the stand.
30	6112 - Lowland Aspen	Sapling Well	4.0	4	Immature	Stand was cut as part of the Garden Grade A-B Mix. Sale was cut in the winter/spring of 2011. TCR date 6/20/2011.
34	6112 - Lowland Aspen	Poletimber Well	1.5	25	Immature	Stand was cut around 1990 as part of the Grades End Block.
36	4130 - Aspen	Sapling Medium	37.3	5	Immature	Stand was cut as part of the Garden Grade A-B Mix Sale #15- 07. This unit was cut in the winter/spring of 2010. Some edges were not harvested due to the wet conditions.
37	6111 - Lowland Balsam Poplar	Sapling Medium	29.4	21	Immature	
39	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	13.5	86	Unspecified	

S t	Shingletor	n Mgt. Unit		Report 8	- Forested	Stands Compartment: 94 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
41	6120 - Lowland Cedar	Poletimber Well	42.8	115	Unspecified	
42	6112 - Lowland Aspen	Sapling Well	5.0	25	Immature	
47	4136 - Aspen, Mixed Conifer	Sapling Well	39.5	16	Immature	
51	6120 - Lowland Cedar	Sapling Well	7.0	40	Unspecified	Old patch cut. It's regenerating well.
52	6120 - Lowland Cedar	Poletimber Well	27.1	100	Unspecified	
53	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	10.7	95	51-80	
54	6120 - Lowland Cedar	Poletimber Well	38.8	93	Unspecified	
57	6118 - Lowland Deciduous with Cedar	Poletimber Well	11.2	76	Unspecified	
58	6122 - Black Spruce	Poletimber Well	42.0	82	Unspecified	This stand is very well stocked. The diameters are low and there has not been much volume accumulation since last entry.
60	6122 - Black Spruce	Sapling Well	10.4	15	Immature	
61	6122 - Black Spruce	Poletimber Well	5.3	82	Unspecified	
62	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Medium	31.6	85	81-110	Canopy is patchy.
63	42340 - Upland Spruce/Fir	Poletimber Well	4.6	80	Unspecified	There are some cedar pockets in the stand. Include them in the cut. Not great quality.
64	6122 - Black Spruce	Poletimber Well	8.2	82	Unspecified	Clearcut with reserves. Retain most of the cedar.
65	6122 - Black Spruce	Sapling Well	9.8	16	Immature	Stand was cut as part of the Garden Aspen Sale during 1999.
66	6122 - Black Spruce	Poletimber Well	8.9	82	Unspecified	
68	6111 - Lowland Balsam Poplar	Sapling Well	76.8	18	Immature	
69	6120 - Lowland Cedar	Poletimber Well	10.8	115	Unspecified	

Shingleton Mgt. Uni t		n Mgt. Unit	Report 8 – Forested Stands			Stands Compartment: 94 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
70	6120 - Lowland Cedar	Sawtimber Well	114.6	110	Unspecified	
71	4112 - Maple, Beech, Cherry Association	Poletimber Well	35.5	70	81-110	This stand could use one more decade before a harvest is done. Cut stands with 73, 75, & and hardwood stands to the east.
72	6120 - Lowland Cedar	Poletimber Well	49.2	117	Unspecified	
73	42350 - Upland Hemlock	Sawtimber Well	8.0	122	Unspecified	
75	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	4.9	70	Unspecified	
76	429 - Mixed Upland Conifers	Poletimber Well	4.9	105	141-170	
77	4319 - Mixed Upland Forest	Sapling Well	5.2	15	Immature	
78	6120 - Lowland Cedar	Poletimber Well	62.1	115	Unspecified	
79	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	146.0	117	Unspecified	

Shingleton Mgt. Unit

Compartment: 94 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:
1	6229 - Mixed lowland shrub	7.0	No	
3	310 - Herbaceous Openland	25.9		Stand was cut as part of the Garden Grade A-B Mix Sale #15-07. Sale was cut in the spring of 2011 and closed with TCR on 6/20/2011.
4	122 - Road/Parking Lot	0.8	No	
6	110 - Low Intensity Urban	18.3	No	State Police Tower. Stand is under long-term lease agreement.
7	6233 - Wet Meadow	9.1	No	Beaver flooded area
9	6233 - Wet Meadow	6.6	No	Beaver flooded area
10	6229 - Mixed lowland shrub	3.4	No	
16	6229 - Mixed lowland shrub	53.4	No	
17	6233 - Wet Meadow	12.0	No	
18	6229 - Mixed lowland shrub	60.5	No	
25	310 - Herbaceous Openland	2.3	No	
26	500 - Water	13.0	No	
27	790 - Other Bare/Sparsely Vegetate	8.3	No	Stand has some scattered balsam poplar and some cedar. It is mostly dead now due to beaver activity. There is some regeneration present but will most likely die out after a few years.
31	500 - Water	13.3	No	
32	3301 - Low Density Deciduous Tree	20.7	No	
33	623 - Emergent Wetland	16.1	No	
40	310 - Herbaceous Openland	6.3		
45	6220 - Alder/willow	67.5	No	

Compartment: 94 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:
49	6220 - Alder/willow	137.8	No	
50	6229 - Mixed lowland shrub	37.0	No	Beaver flooded area
59	6220 - Alder/willow	4.5	No	
67	6229 - Mixed lowland shrub	8.8	No	
74	6229 - Mixed lowland shrub	18.4	No	