

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41160 Entry Year 2025 Acreage: 1,551

County Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Mario Molin

Legal Description:

T46N R16W Sections 7, 17 and 18

Identified Planning Goals:

To provide multiple use benefits for the citizens of Michigan.

Soil and topography:

Most of this compartment is low, flat and wet. There is some rolling upland terrain in the northeast part of section 17.

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

The state owns most of the land within the compartment boundaries, but the north half of section 7 is CFR land owned by Forest Land Group. On the Creighton Truck Trail, there is a privately-owned parcel in section 8 with two hunting camps on it that is adjacent to this compartment.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Access to most of this compartment is going to be very difficult on a commercial setting, the west ½ is mainly marshland with scattered islands of timber.

Watershed and Fisheries Considerations:

Small portion of Commencement Creek exists in the northeastern region of this compartment. No comments warranted outside of traditional BMPs.

Wildlife Habitat Considerations:

This compartment lies with in the Seney sand lake plain sub-subsection. The western portion of the compartment is primarily marsh and wet forest land. The eastern portion of the compartment is higher ground. The pre-settlement vegetation, as recorded by General land office surveyors, show hemlock, white pine, and red maple to have been the most prevalent trees in the uplands. Sugar maple, yellow birch, and beech were present in lesser amounts. The forested portions of the lowlands were dominated by cedar, spruce, and tamarack. It appears that current species distribution is similar to pre-settlement times with a potential increase in sugar maple. Wildlife habitat goals include, maintaining the hemlock component, protecting the marsh complex, and promoting species and structural diversity within the northern hardwoods. Wildlife species of special interest potentially utilizing this compartment include moose, and marsh hawk.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel and coarse-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Ordovician Prairie du Chien Group subcrops below the glacial drift. The PdC could be used for stone. Gravel pits are located to the west and potential appears to be good in Section 6 & 7. There is no commercial oil and gas production in the UP.

Vehicle Access:

The Creighton Truck Trail (county road P454) provides access to the upland portion of this compartment in section 17. The area north of the marsh in section 7 may be reached from the Commencement Road by crossing the Forest Land Group lands, but this route would prove difficult at best. Most of the area is virtually inaccessible by vehicles other than snowmobiles.

Survey Needs:

There are no known land survey needs at this time.

Recreational Facilities and Opportunities:

8/22/2023 8:57:13 AM - Page 1 of 2 DUERRG

There are no developed recreation facilities within this compartment.

Fire Protection:

Additional Compartment Information:

The following reports from the Inventory are attached:

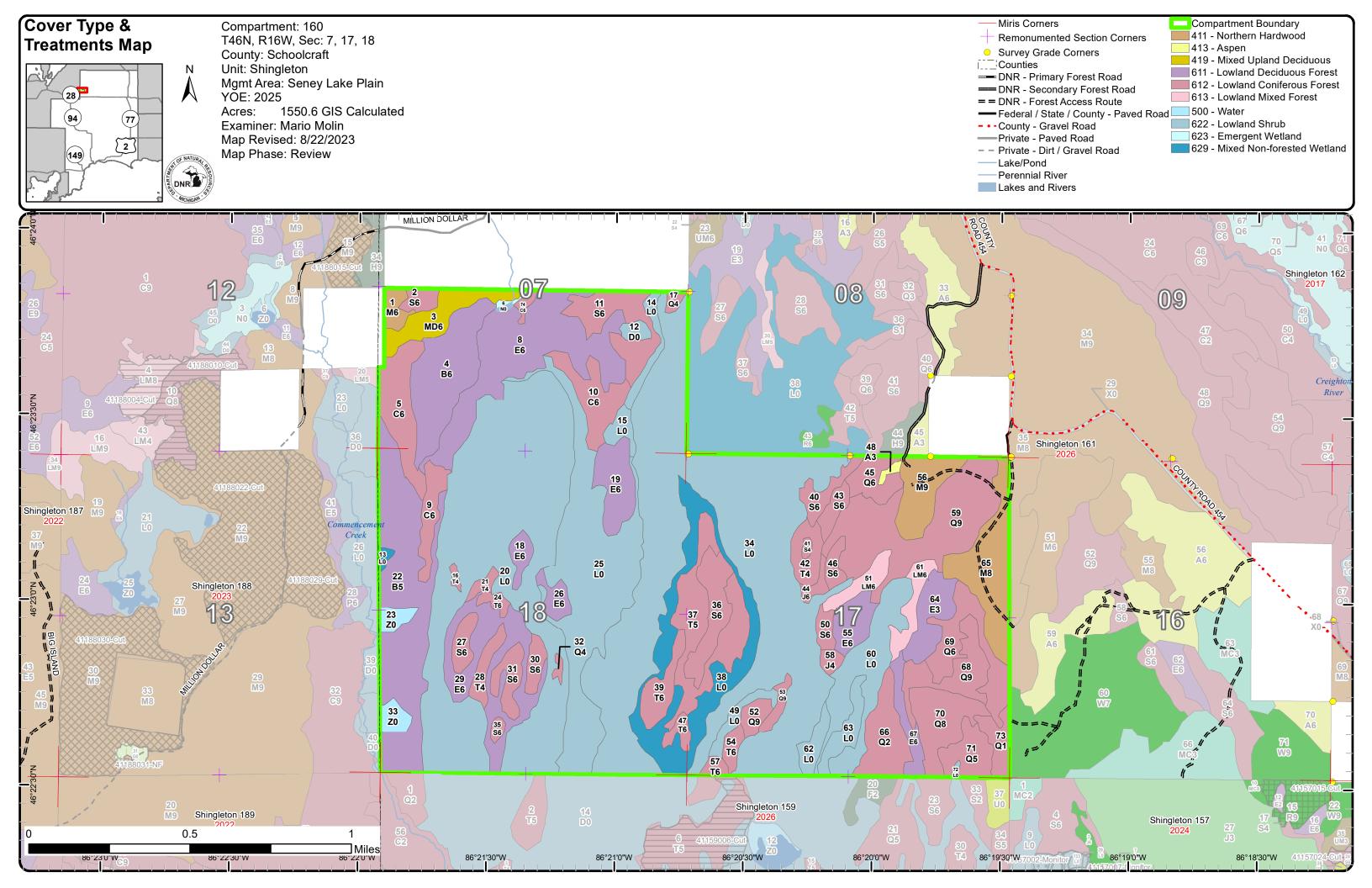
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

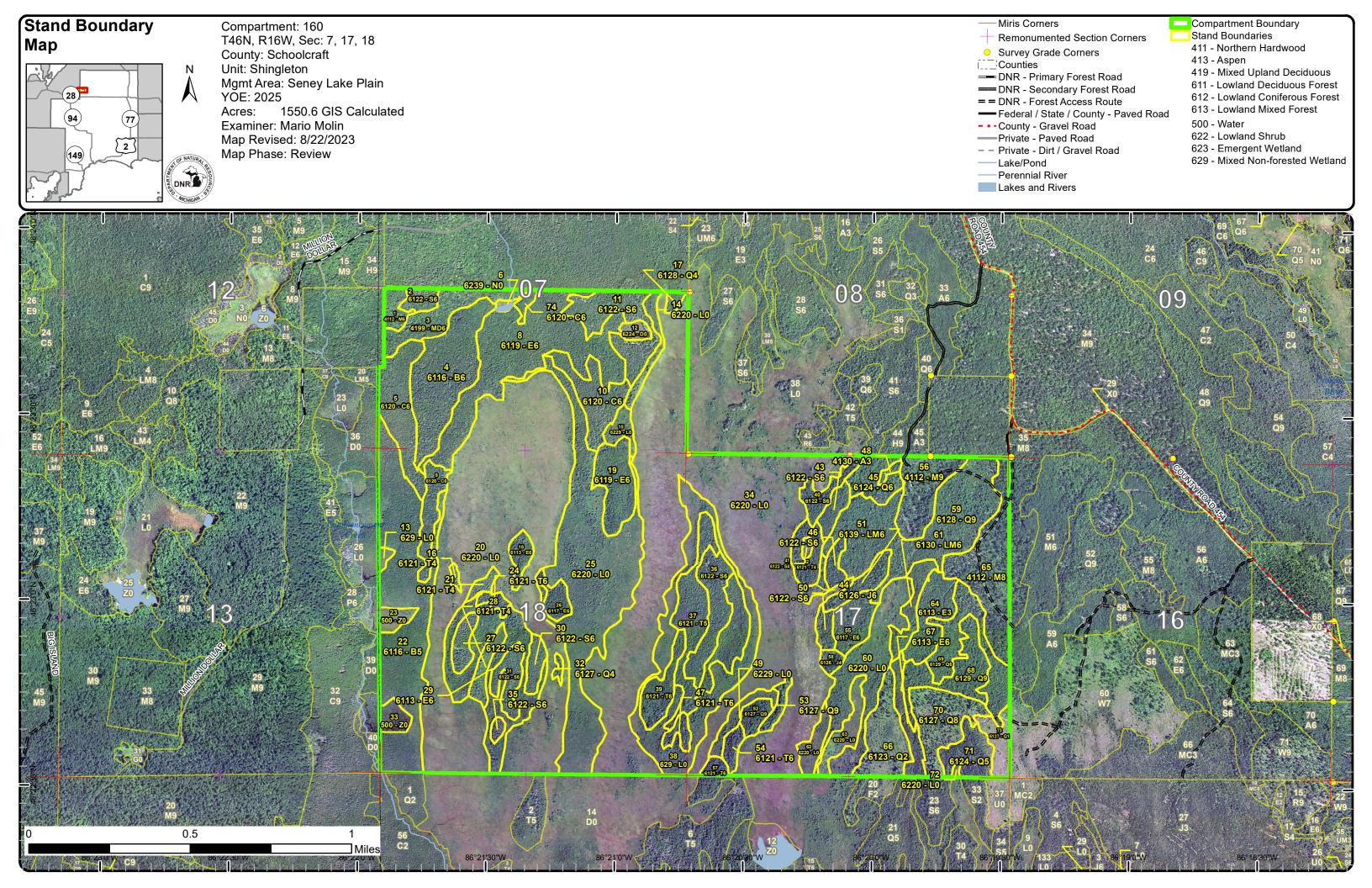
The following information is displayed, where pertinent, on the attached compartment maps:

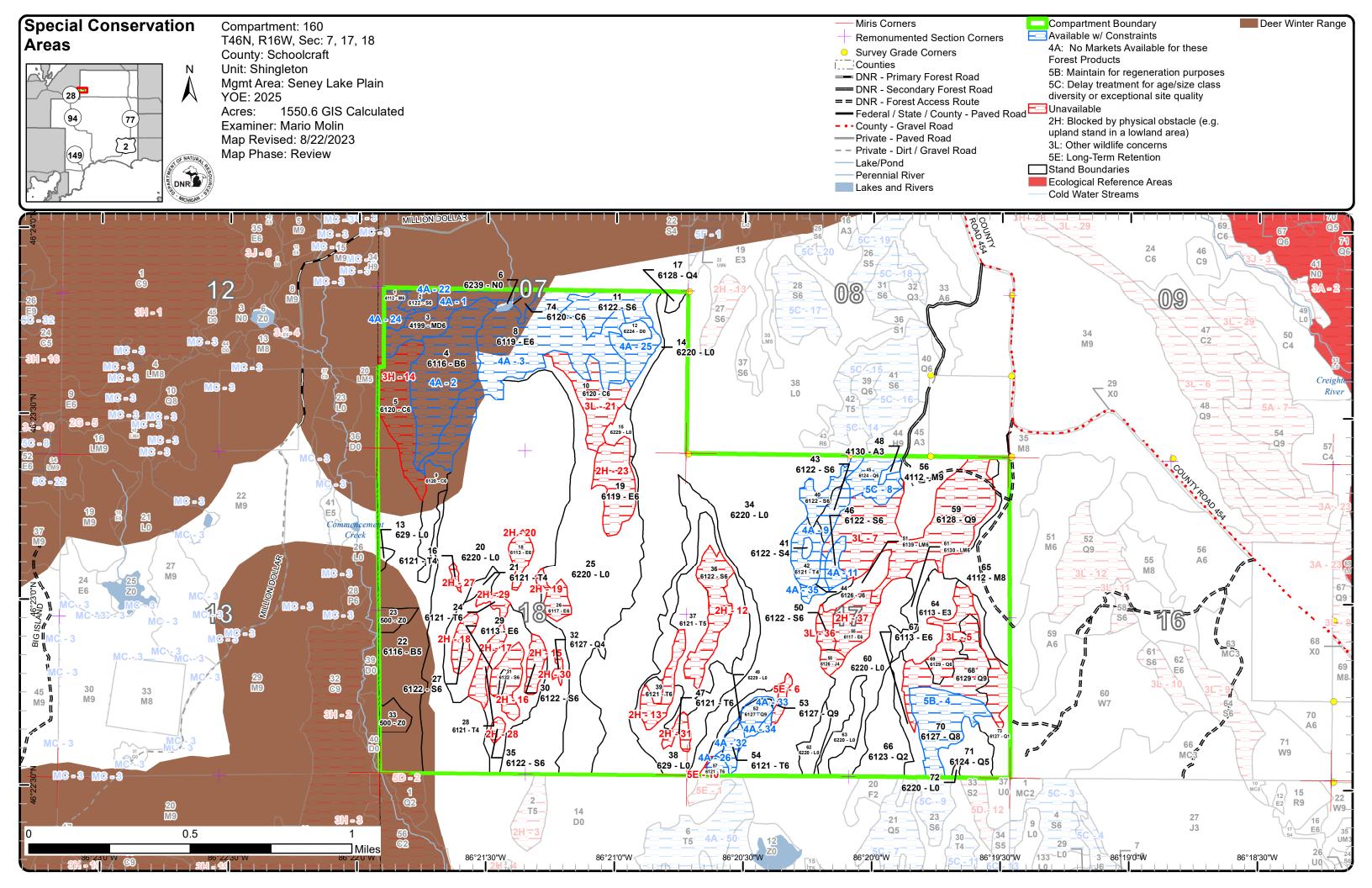
Base feature information, stand boundaries, cover types, and numbers Proposed treatments

Site condition boundaries

Details on the road access system







Compartment 160 Year of Entry 2025

Shingleton Mgt. Unit Mario Molin : Examiner



Age Class

	g or s	L'AND C	30/8	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	g g	3 /	S R	3/8	\$ / K	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8 8	8 /18	S ZZ			No. of the second secon	ig E	A Tree	A STATE OF THE STA
Aspen	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cedar	0	0	0	0	0	0	0	0	0	29	26	0	0	0	0	0	0	0	55
Jack Pine	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	30	0	0	13	0	0	0	2	33	0	45	74	0	0	0	0	197
Lowland Deciduous	0	0	0	16	37	9	0	0	0	80	28	0	0	0	0	0	0	0	169
Lowland Mixed Forest	0	0	0	9	0	0	0	0	8	0	0	0	0	0	0	0	0	0	17
Lowland Shrub	724	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	724
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	4	85	0	0	0	0	0	0	0	89
Marsh	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	18
Northern Hardwood	0	0	0	0	0	0	0	0	5	0	57	0	0	0	0	0	0	0	61
Paper Birch	0	0	0	0	0	79	0	0	0	0	0	41	0	0	0	0	0	0	120
Tamarack	0	0	0	0	0	36	0	3	0	20	21	0	0	0	0	0	0	0	80
Treed Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Water	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Total	737	0	30	26	37	137	0	3	13	141	250	59	45	74	0	0	0	0	1550



Report 2 – Treatment Summary

Shingleton Mgt. Unit Year of Entry: 2025

Acres of Harvest

Compartment 160
Total Compartment Acres: 1,551

Commercial Harvest -Harvests with Site Condition - 0 Next Step Harvest - 0

Habitat Cut - 0

8/22/2023 8:56:54 AM - Page 1 of 1 DUERRG

S t			Mgt. Unit		Repoi	rt 3	Treatments		Compartme Year of Enti		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	Habitat Cut

Total Treatment Acreage Proposed: 0

Shingleton Mgt. Unit

Mario Molin : Examiner

Availa	ability for	Managemer	nt									
Total	Acres	Acres Avail	Acres	Ι	Domina	nt Site	e Con	dition	s			
Acres	Available	With Condition	Not Available		4A	5B	5C	2H	3Н	3L	5D	5E
1	1	0	0	Aspen								
55	17	0	38	Cedar					20	18		
6	0	3	3	Jack Pine	3					3		
196	51	39	106	Lowland Conifers	6	22	11	1		102	0	3
170	61	68	41	Lowland Deciduous	68		0	41		0		
17	17	0	0	Lowland Mixed Forest						0		
724	723	1	0	Lowland Shrub	1			0		0		
89	1	45	43	Lowland Spruce/Fir	45			39		4		
1	1	0	0	Marsh								
18	0	18	0	Mixed Upland Deciduous	18							
62	56	5	0	Northern Hardwood	5					0		
121	79	41	0	Paper Birch	41				0		0	
79	41	15	23	Tamarack	15			23				0
3	3	0	0	Treed Bog								
9	9	0	0	Water								
1,551	1,061	236	253	Total Forested Acres	203	22	11	104	20	127	0	3
	68%	15%	16%	Relative Percent								

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

•	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	4A: No Markets Available for these Forest Products	18	Unspecified	Unspecified	Unspecified	Unspecified
4		ent no bids. Sale terminated an			Upoposified	Uppposition	Lippnosified
2	Available	4A: No Markets Available for these Forest Products	41	Unspecified	Unspecified	Unspecified	Unspecified

Shingleton Mgt. Unit Mario Molin : Examiner

3	Available	4A: No Markets Available for these Forest Products	68	Unspecified	Unspecified	Unspecified	Unspecified		
	Comments: 41-17-18 Twofer w	ent no bids. Sale terminated an	d site c	onditioned on 4/6/2021.					
4	Available	5B: Maintain for regeneration purposes	22	Unspecified	Unspecified	Unspecified	Unspecified		
	Comments:								
5	Unavailable	3L: Other wildlife concerns	40	Unspecified	Unspecified	Unspecified	Unspecified		
	Comments: Stand is 75% Hemlock and gets coded as a Q-typeSo it meets age criteria as a Q.								
6	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified		
	Comments:								
7	Unavailable	3L: Other wildlife concerns	62	Unspecified	Unspecified	Unspecified	Unspecified		
	Comments: Stand is Hemlock a	and gets coded as a Q-typeS	o it mee	ets age criteria as a Q.					
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified		
	Comments:								

Shingleton Mgt. Unit

Mario Molin : Examiner

9	Available	4A: No Markets Available for these Forest Products	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Still small wait till n	ext entry, add stand 41 from co	mp 160	at time of prep.			
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
11	Available	4A: No Markets Available for these Forest Products	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
12	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	18	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand is healthy ar	nd looks like it will hold untill nex	t entry				
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand is healthy ar	nd looks like it will hold untill nex	t entry				
14	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	24	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
	Comments:						

Shingleton Mgt. Unit Mario Molin : Examiner

15	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
16	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
18	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
19	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

Shingleton Mgt. Unit Mario Molin : Examiner

20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
21	Unavailable	3L: Other wildlife concerns	18	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
22	Available	4A: No Markets Available for these Forest Products	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 41-17-18 Twofer w	vent no bids. Sale terminated ar	d site co	onditioned on 4/6/2021.			
23	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	18	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
24	Available	4A: No Markets Available for these Forest Products	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 41-17-18 Twofer w	vent no bids. Sale terminated ar	nd site co	onditioned on 4/6/2021.			
25	Available	4A: No Markets Available for these Forest Products	23	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 41-17-18 Twofer w	vent no bids. Sale terminated ar	nd site co	onditioned on 4/6/2021.			

Shingleton Mgt. Unit Mario Molin : Examiner

26	Available	4A: No Markets Available for these Forest Products	2	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
27	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
29	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
30	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
31	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						

Shingleton Mgt. Unit Mario Molin : Examiner

32	Available	4A: No Markets Available for these Forest Products	5	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
33	Available	4A: No Markets Available for these Forest Products	6	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
34	Available	4A: No Markets Available for these Forest Products	1	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
35	Available	4A: No Markets Available for these Forest Products	3	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
36	Unavailable	3L: Other wildlife concerns	7	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
37	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						

Mgt. Unit

Compartment: #Type! Year of Entry:



Report 5 - 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				

Shingleton Mgt. Unit Compartment: 160





Report 6 - 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.

Conservation Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA I	Habitat Area	An area that provide some specific need for the life cycle of and Waterfowl Production Areas, deer wintering complexes openings and savannas. Habitat areas are distinct from critical endangered or threatened species (such as Kirtland's warb general in nature, are not primarily associated with threater covered by species recovery plans that are developed in contents.	s in lowland conifer communities, grassland tical habitat designated for recovery of oler or piping plover areas) in that they are more ned or endangered species, and are not

Report 7 - Stands Shingleton Mgt. Unit



Compartment: 160

Stan	d Level 4 Co	Level 4 Cover Type				Acres Stand Age I	BA Range	Managed S	ite	General Comments
1	4112 - Maple, Beec					5.4 75	81-110	N/A		R.MAPLE 20 20 30W.SPRUCE 10 //CEDAR 10 / / Small pocket of extra large hemlock in southeast cornerP.BIRCH / / /
	Canopy Species	% Cover	Size Class		Age	Sub-Canopy Species	Density	Avg. Height	Size	position of state large normous in coathoast comen is interry /
	Red Maple	80	Pole/Log	9	75	Red Maple	Low	Variable	Sapling	Y.BIRCH 20 / / B.FIR 10 20 /ASPEN / 10 /HEMLOCK / / 10
	Yellow Birch	5	Pole	6		Yellow Birch	Low	Variable	Sapling	
	Balsam Fir	10	Pole	6		Balsam Fir	Low	Variable	Sapling	
	Paper Birch	5	Pole	6						
2	6122 - Bl	ack Spruce		Poletimb	er Well	4.7 94	51-80	N/A		Spruce with a mix of hardwood scattered throughout.B.SPRUCE / 90 70B.FIR 10 / /P.BIRCH 20 / /R.MAPLE 30 / /W.PINE 10 / /
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	705.1 IIC 10 7 /1.5IICO1120 7 /IC.IMAI EE 30 7/W.1 IIGE 107 7
	Red Maple	10	Pole	6		Balsam Fir	Medium	Variable	Sapling	
	Black Spruce	85	Pole	7	94	Hemlock	Low	Variable	Sapling	
	Paper Birch	5	Pole	6						•
3	4199 - Other Mixed	d Upland D	eciduous	Poletimb	er Well	17.9 107	81-110	N/A		P.BIRCH 50 60 50R.MAPLE 20 10 20 B.FIR 10 10 / BEECH / 10 / ASPEN / / 10 Good quality and healthy p. birch reaching in the log
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	class, beech in the northwest corner.
	Paper Birch	50	Pole/Log	9	107	Beech	Low	Variable	Sapling	,
	Balsam Fir	7	Pole	8		Balsam Fir	Medium	Variable	Sapling	
	Red Maple	40	Pole	8		Red Maple	Medium	Variable	Sapling	
	r to a mapro	1	1 010	-		rtou mapio				
	Beech	3	Pole	8		rtod Mapie			5-4-11-19	
4	Beech		Pole		er Well	41.2 107	81-110	N/A	1 2 2 7 11 13	
4	Beech	3 wland Birch	Pole	8 Poletimb	er Well		81-110		Size	
4	Beech 6116 - Lo	3 wland Birch	Pole	Poletimb DBH		41.2 107	81-110	N/A	Size Sapling	
4	Beech 6116 - Lo	3 wland Birch	Pole Size Class	8 Poletimb		41.2 107 Sub-Canopy Species	81-110 Density	N/A Avg. Height	Size	
4	Beech 6116 - Lo Canopy Species Quaking Aspen	wland Birch **Cover** 10	Pole Size Class Pole	Poletimb DBH		41.2 107 Sub-Canopy Species Paper Birch	81-110 Density Low	N/A Avg. Height < 5 feet	Size Sapling	
4	Beech 6116 - Lo Canopy Species Quaking Aspen Balsam Fir	wland Birch **Cover** 10 10	Pole Size Class Pole Pole	Poletimb DBH 6 6		41.2 107 Sub-Canopy Species Paper Birch Balsam Fir	81-110 Density Low Low	N/A Avg. Height < 5 feet < 5 feet	Size Sapling Sapling	
4	Beech 6116 - Lo Canopy Species Quaking Aspen Balsam Fir Black Spruce	3 wland Birch **Cover	Pole Size Class Pole Pole Pole	8		41.2 107 Sub-Canopy Species Paper Birch Balsam Fir American Elm	81-110 Density Low Low Low	N/A Avg. Height < 5 feet < 5 feet < 5 feet	Size Sapling Sapling Sapling	
5	Beech 6116 - Lo Canopy Species Quaking Aspen Balsam Fir Black Spruce Red Maple Paper Birch	3 wland Birch % Cover 10 10 10 10	Pole Size Class Pole Pole Pole Pole Pole Pole Pole	8	Age	41.2 107 Sub-Canopy Species Paper Birch Balsam Fir American Elm	81-110 Density Low Low Low	N/A Avg. Height < 5 feet < 5 feet < 5 feet	Size Sapling Sapling Sapling	Dense stand of pole sized cedar, shows signs of good regeneration in
	Beech 6116 - Lov Canopy Species Quaking Aspen Balsam Fir Black Spruce Red Maple Paper Birch 6120 - Lov Canopy Species	3 wland Birch % Cover 10 10 10 60 wland Ceda % Cover	Pole Size Class Pole Pole Pole Pole Size Class	Poletimb DBH 6 6 6 8 Poletimb DBH	Age	41.2 107 Sub-Canopy Species Paper Birch Balsam Fir American Elm Red Maple 23.9 95 Sub-Canopy Species	81-110 Density Low Low Low Low Density	N/A Avg. Height < 5 feet < 5 feet < 5 feet < 5 feet Avg. Height	Size Sapling Sapling Sapling Sapling	Dense stand of pole sized cedar, shows signs of good regeneration in openings. Size class does vary thoughout the stand.
	Beech 6116 - Lo Canopy Species Quaking Aspen Balsam Fir Black Spruce Red Maple Paper Birch 6120 - Lov Canopy Species Paper Birch	3 wland Birch % Cover 10 10 10 60 wland Ceda % Cover 5	Pole Size Class Pole Pole Pole Pole Size Class	8 Poletimb	Age 107	41.2 107 Sub-Canopy Species Paper Birch Balsam Fir American Elm Red Maple	81-110 Density Low Low Low Low 141-170	N/A Avg. Height < 5 feet < 5 feet < 5 feet < 5 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling	
	Beech 6116 - Lov Canopy Species Quaking Aspen Balsam Fir Black Spruce Red Maple Paper Birch 6120 - Lov Canopy Species	3 wland Birch % Cover 10 10 10 60 wland Ceda % Cover	Pole Size Class Pole Pole Pole Pole Size Class	Poletimb DBH 6 6 6 8 Poletimb DBH	Age 107	41.2 107 Sub-Canopy Species Paper Birch Balsam Fir American Elm Red Maple 23.9 95 Sub-Canopy Species	81-110 Density Low Low Low Low Density	N/A Avg. Height < 5 feet < 5 feet < 5 feet < 5 feet Avg. Height	Size Sapling Sapling Sapling Sapling	
5	Beech 6116 - Lo Canopy Species Quaking Aspen Balsam Fir Black Spruce Red Maple Paper Birch 6120 - Lov Canopy Species Paper Birch	3 wland Birch % Cover 10 10 10 60 wland Ceda % Cover 5	Pole Size Class Pole Pole Pole Pole Size Class	8 Poletimb	Age 107	41.2 107 Sub-Canopy Species Paper Birch Balsam Fir American Elm Red Maple 23.9 95 Sub-Canopy Species Balsam Fir	81-110 Density Low Low Low Low Density Low Low	N/A Avg. Height < 5 feet < 5 feet < 5 feet < 5 feet V/A Avg. Height Variable	Size Sapling Sapling Sapling Sapling Sapling Sapling	
5	Beech 6116 - Lo Canopy Species Quaking Aspen Balsam Fir Black Spruce Red Maple Paper Birch 6120 - Lov Canopy Species Paper Birch Black Spruce	3 wland Birch % Cover 10 10 10 60 wland Ceda % Cover 5 90	Pole Size Class Pole Pole Pole Pole Pole Pole Pole Pol	8 Poletimb	107 er Well Age 95	41.2 107 Sub-Canopy Species Paper Birch Balsam Fir American Elm Red Maple 23.9 95 Sub-Canopy Species Balsam Fir	81-110 Density Low Low Low Low Density Low Low	N/A Avg. Height < 5 feet < 5 feet < 5 feet < 5 feet V/A Avg. Height Variable	Size Sapling Sapling Sapling Sapling Sapling Sapling	
5	Beech 6116 - Lo Canopy Species Quaking Aspen Balsam Fir Black Spruce Red Maple Paper Birch 6120 - Lov Canopy Species Paper Birch Black Spruce orthern White Cedar	3 wland Birch % Cover 10 10 10 60 wland Ceda % Cover 5 90	Pole Size Class Pole Pole Pole Pole Pole Pole Pole Pol	8 Poletimb	107 er Well Age 95	41.2 107 Sub-Canopy Species Paper Birch Balsam Fir American Elm Red Maple 23.9 95 Sub-Canopy Species Balsam Fir Red Maple	81-110 Density Low Low Low Low 141-170 Density Low Low	N/A Avg. Height < 5 feet < 5 feet < 5 feet < 5 feet Variable Variable	Size Sapling Sapling Sapling Sapling Sapling Sapling	
5	Beech 6116 - Lo Canopy Species Quaking Aspen Balsam Fir Black Spruce Red Maple Paper Birch 6120 - Lov Canopy Species Paper Birch Black Spruce orthern White Cedar	3 wland Birch % Cover 10 10 10 60 wland Ceda % Cover 5 90	Pole Size Class Pole Pole Pole Pole Pole Pole Pole Pol	8 Poletimb	107 er Well Age 95	41.2 107 Sub-Canopy Species Paper Birch Balsam Fir American Elm Red Maple 23.9 95 Sub-Canopy Species Balsam Fir Red Maple	81-110 Density Low Low Low Low 141-170 Density Low Low	N/A Avg. Height < 5 feet < 5 feet < 5 feet < 5 feet Variable Variable	Size Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	openings. Size class does vary thoughout the stand.
5	Beech 6116 - Lo Canopy Species Quaking Aspen Balsam Fir Black Spruce Red Maple Paper Birch 6120 - Lov Canopy Species Paper Birch Black Spruce orthern White Cedar	3 wland Birch % Cover 10 10 10 60 wland Ceda % Cover 5 90	Pole Size Class Pole Pole Pole Pole Pole Pole Pole Pol	8 Poletimb	107 er Well Age 95	41.2 107 Sub-Canopy Species Paper Birch Balsam Fir American Elm Red Maple 23.9 95 Sub-Canopy Species Balsam Fir Red Maple 1.3 Sub-Canopy Species	81-110 Density Low Low Low Low Density Low Density Low Density	N/A Avg. Height < 5 feet < 5 feet < 5 feet < 5 feet Variable Variable No Avg. Height	Size Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	openings. Size class does vary thoughout the stand.
5	Beech 6116 - Lo Canopy Species Quaking Aspen Balsam Fir Black Spruce Red Maple Paper Birch 6120 - Lov Canopy Species Paper Birch Black Spruce orthern White Cedar	3 wland Birch % Cover 10 10 10 60 wland Ceda % Cover 5 90	Pole Size Class Pole Pole Pole Pole Pole Pole Pole Pol	8 Poletimb	107 er Well Age 95	41.2 107 Sub-Canopy Species Paper Birch Balsam Fir American Elm Red Maple 23.9 95 Sub-Canopy Species Balsam Fir Red Maple 1.3 Sub-Canopy Species Willow spp.	81-110 Density Low Low Low Low 141-170 Density Low Low Medium	N/A Avg. Height < 5 feet < 5 feet < 5 feet < 5 feet Variable No Avg. Height Variable Variable	Size Sapling Sapling Sapling Sapling Size Sapling Sapling Size Tall Shrub	openings. Size class does vary thoughout the stand.



	d Level 4 Co	over Type	8	Size De	ensity	Acres	Stand Age B	A Range	Managed S	ite	General Comments	MICHIGAN
8	6119 - Mixed Lowla	and Decidud	ous Forest P	oletimb	er Well	68.1	84	51-80	N/A		Highly variable of species composition and density, there is a notice	cable
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	amount of elm in the stand.	
	American Elm	5	Sapling/Pole	4		Re	d Maple	Low	Variable	Sapling		
	Red Maple	25	Pole	5		Pa	per Birch	Low	Variable	Sapling		
	Paper Birch	55	Pole	6	84	Ame	erican Elm	Low	Variable	Sapling		
	Quaking Aspen	15	Pole	5				1	1	1		
9	6120 - Lov	wland Ceda	ar P	oletimb	er Well	10.7	84	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
Nc	orthern White Cedar	75	Pole	6	84	Ame	erican Elm	Low	Variable	Sapling		
	Paper Birch	15	Pole	6		Re	d Maple	Low	Variable	Sapling		
	Black Spruce	5	Pole	6								
	Red Maple	5	Pole	6								
10	6120 - Lov	wland Ceda	ar P	oletimb	er Well	18.1	84	81-110	N/A		Variable size and stocking in the stand.	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
No	orthern White Cedar	85	Pole	7	84	Northerr	White Cedar	Low	Variable	Sapling		
	Tamarack	10	Pole	7		Ва	lsam Fir	Low	Variable	Sapling		
	Paper Birch	5	Pole	7								
11	Paper Birch	5 ack Spruce			er Well	22.8	94	81-110	N/A		Has a ridge east to west, stand is potentially overstocked, spruce	
11	Paper Birch	ack Spruce		oletimb	er Well		94 nopy Species	81-110 Density	N/A Avg. Height	Size	small considering the spruce in the surrounding area, small pole s	
11	Paper Birch 6122 - Bla	ack Spruce	e P	oletimb		Sub-Ca				Size Sapling		
11	Paper Birch 6122 - Blace Canopy Species	ack Spruce	Size Class	oletimb DB F		Sub-Ca	nopy Species	Density	Avg. Height		small considering the spruce in the surrounding area, small pole s	
11	Paper Birch 6122 - Blace Canopy Species Tamarack	ack Spruce % Cover 5	Size Class Pole	oletimb DBH		Sub-Ca	nopy Species	Density	Avg. Height		small considering the spruce in the surrounding area, small pole s	
11	Paper Birch 6122 - Bla Canopy Species Tamarack Red Maple	ack Spruce % Cover 5 2	Size Class Pole Pole	oletimb DBH 8	I Age	Sub-Ca	nopy Species	Density	Avg. Height		small considering the spruce in the surrounding area, small pole s	
	Paper Birch 6122 - Bla Canopy Species Tamarack Red Maple Black Spruce	ack Spruce % Cover 5 2 80	Size Class Pole Pole Pole	DBH 8 8 8	I Age	Sub-Ca	nopy Species	Density	Avg. Height		small considering the spruce in the surrounding area, small pole s	
	Paper Birch 6122 - Black Canopy Species Tamarack Red Maple Black Spruce Paper Birch orthern White Cedar	% Cover 5 2 80 10	Pole Pole Pole Pole Pole Pole Pole Pole	oletimb DBH 8 8 8 6 6	94	Sub-Ca	nopy Species	Density	Avg. Height		small considering the spruce in the surrounding area, small pole s	
No	Paper Birch 6122 - Black Canopy Species Tamarack Red Maple Black Spruce Paper Birch orthern White Cedar	ack Spruce % Cover 5 2 80 10 3	Pole Pole Pole Pole Pole Pole Pole Pole	S S S C C C C C C C	94	Sub-Ca Ba	nopy Species	Density	Avg. Height Variable		small considering the spruce in the surrounding area, small pole s	
No	Paper Birch 6122 - Black Canopy Species Tamarack Red Maple Black Spruce Paper Birch orthern White Cedar	ack Spruce % Cover 5 2 80 10 3	Pole Pole Pole Pole Pole Pole Pole Pole	S S S C C C C C C C	94	Sub-Ca Ba 3.1 Sub-Ca	nopy Species Isam Fir	Density Low	Avg. Height Variable No	Sapling Size Sapling	small considering the spruce in the surrounding area, small pole s a significant amount of submerchantable mixed in.	
No	Paper Birch 6122 - Black Canopy Species Tamarack Red Maple Black Spruce Paper Birch orthern White Cedar	ack Spruce % Cover 5 2 80 10 3	Pole Pole Pole Pole Pole Pole Pole Pole	S S S C C C C C C C	94	Sub-Ca 3.1 Sub-Ca	nopy Species Isam Fir	Density Low Density	Avg. Height Variable No Avg. Height	Size Sapling Tall Shrub	small considering the spruce in the surrounding area, small pole s a significant amount of submerchantable mixed in.	
No	Paper Birch 6122 - Black Canopy Species Tamarack Red Maple Black Spruce Paper Birch orthern White Cedar	ack Spruce % Cover 5 2 80 10 3	Pole Pole Pole Pole Pole Pole Pole Pole	S S S C C C C C C C	94	Sub-Ca 3.1 Sub-Ca Ta	nopy Species Isam Fir nopy Species Imarack	Density Low Density Low	Avg. Height Variable No Avg. Height Variable	Sapling Size Sapling	small considering the spruce in the surrounding area, small pole s a significant amount of submerchantable mixed in.	
No	Paper Birch 6122 - Black Canopy Species Tamarack Red Maple Black Spruce Paper Birch orthern White Cedar	ack Spruce % Cover 5 2 80 10 3	Pole Pole Pole Pole Pole Pole Pole Pole	S S S C C C C C C C	94	3.1 Sub-Ca Ta Blace	nopy Species nopy Species amarack ag Alder	Density Low Density Low Trace	No Avg. Height Variable No Avg. Height Variable Variable	Size Sapling Tall Shrub	small considering the spruce in the surrounding area, small pole s a significant amount of submerchantable mixed in.	
No	Paper Birch 6122 - Black Canopy Species Tamarack Red Maple Black Spruce Paper Birch orthern White Cedar	ack Spruce % Cover 5 2 80 10 3	Pole Pole Pole Pole Pole Pole Pole	S S S C C C C C C C	94 Ocked	3.1 Sub-Ca Ta Blace	nopy Species nopy Species amarack ag Alder ck Spruce	Density Density Low Trace Low	No Avg. Height Variable Variable Variable Variable Variable Variable	Size Sapling Tall Shrub Sapling	small considering the spruce in the surrounding area, small pole s a significant amount of submerchantable mixed in.	
12	Paper Birch 6122 - Black Canopy Species Tamarack Red Maple Black Spruce Paper Birch orthern White Cedar 6224 - 1	ack Spruce % Cover 5 2 80 10 3	Pole Pole Pole Pole Pole Pole Pole	DBH 8 8 6 6 6 6	94 Ocked	3.1 Sub-Ca Ta Blac Wi 1.5	nopy Species nopy Species amarack ag Alder ck Spruce	Density Density Low Trace Low	No Avg. Height Variable Variable Variable Variable Variable Variable Variable	Size Sapling Tall Shrub Sapling	small considering the spruce in the surrounding area, small pole s a significant amount of submerchantable mixed in.	
12	Paper Birch 6122 - Black Canopy Species Tamarack Red Maple Black Spruce Paper Birch orthern White Cedar 6224 - 1	ack Spruce % Cover 5 2 80 10 3	Pole Pole Pole Pole Pole Pole Pole	DBH 8 8 6 6 6 6	94 Ocked	3.1 Sub-Ca Ta Blac Wi 1.5 Sub-Ca	nopy Species nopy Species amarack ag Alder ck Spruce	Density Low Trace Low Trace	No Avg. Height Variable No Avg. Height Variable Variable Variable Variable No	Size Sapling Tall Shrub Sapling Tall Shrub	small considering the spruce in the surrounding area, small pole s a significant amount of submerchantable mixed in.	



Stan	,,			Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
14	6220 - A	Alder/willow		Nonsto	cked	6.1			No		
						Sub-Can	opy Species	Density	Avg. Height	Size	
						Willo	ow spp.	Trace		Tall Shrub	
						Northern \	White Cedar	Trace		Sapling	
						Willo	ow spp.	Trace		Tall Shrub	
						Willo	ow spp.	Trace		Tall Shrub	
							Alder	Low		Tall Shrub	
						Tan	narack	Trace		Sapling	
						Black	Spruce	Trace		Sapling	
15	6229 - Mixed	d lowland sh	hrub	Nonsto	cked	5.0	ı	Immature	No		
16	6121 -	Tamarack		Poletimbe	er Poor	1.1	89	1-50	N/A		Lots of dead.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Tamarack	100	Pole	8	89	Black	Spruce	Low	Variable	Sapling	
17	6128 - Lowland Dec	Coniferous iduous	, Mixed	Poletimbe	er Poor	1.9	84	1-50	N/A		Small finger from other compartment, trees are very poor quality.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
No	orthern White Cedar	5	Pole	6		Tan	narack	Medium	Variable	Sapling	
	Tamarack	40	Pole	8		Red	Maple	Medium	Variable	Sapling	
	White Pine	15	Pole	8		Whi	te Pine	Medium	Variable	Sapling	
	Red Maple	40	Pole	6	84						
18	6113 - Lo	wland Mapl	le	Poletimbe	er Well	5.0	92	51-80	N/A		Spruce in northwest corner.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Maple	80	Pole	6	92	Bals	am Fir	Low	Variable	Sapling	
	Paper Birch	5	Pole	8		Red	Maple	Low	Variable	Sapling	
	Quaking Aspen	5	Pole	6							
	Black Spruce	10	Pole	8							
19	6119 - Mixed Lowla			Poletimbe		17.6	95	51-80	N/A		
	Canopy Species		Size Class	DBH	Age		opy Species		Avg. Height	Size	
	Red Maple	25	Pole	5			Maple	Low	Variable	Sapling	
	Paper Birch	55	Pole	6	95		er Birch	Low	Variable	Sapling	
	Bigtooth Aspen	15	Pole	5		Ameri	ican Elm	Low	Variable	Sapling	
	American Elm	5	Sapling/Pole	e 4							



Stand	Level 4 C	over Type	S	Size Density	ty Acres Stand Age BA Range Managed Site					General Comments
20	6220 - A	Alder/willow		Nonstocked	217.3			No		
					Sub-Car	nopy Species	Density	Avg. Height	Size	
					Ta	g Alder	Low		Tall Shrub	
					Will	ow spp.	Low		Tall Shrub	
					Will	ow spp.	Low		Tall Shrub	
					Will	ow spp.	Low		Tall Shrub	
21	6121 -	Tamarack	Po	oletimber Poor	2.6	60	1-50	N/A		Age is an estimate, stand is establishing/growing into the marsh.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Tamarack	85	Pole	6 60	Blac	k Spruce	Low	Variable	Sapling	
	Black Spruce	15	Pole	6	Ta	marack	Low	Variable	Sapling	
22	6116 - Lo	6116 - Lowland Birch		etimber Medium	n 79.4	45 l	Jnspecified	N/A		Age is an estimate, stand seems to be establishing itself in a former shub
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	type
No	thern White Cedar	5	Pole	6	Pap	er Birch	Medium	Variable	Sapling	
	Red Maple	15	Pole/Sapling	5	Ame	rican Elm	Low	Variable	Sapling	
	Paper Birch	60	Pole/Sapling	5 45	Re	d Maple	Low	Variable	Sapling	
	Quaking Aspen	10	Pole	7						
	Black Spruce	10	Pole	6						
23	500	- Water		Nonstocked	4.3			No		
24	6121 -	Tamarack	Po	oletimber Well	2.7	89	81-110	N/A		In decline
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Tamarack	95	Pole	8 89	Blac	k Spruce	Low	Variable	Sapling	
	Black Spruce	5	Pole	8	Bal	sam Fir	Low	Variable	Sapling	
					Pap	er Birch	Low	Variable	Sapling	
25	6220 - <i>F</i>	Alder/willow		Nonstocked	99.2			No		
					Sub-Car	nopy Species	Density	Avg. Height	Size	
					Will	ow spp.	Medium		Tall Shrub	
					Will	ow spp.	Medium		Tall Shrub	
					Will	ow spp.	Medium		Tall Shrub	
					Та	marack	Low		Pole	
					Та	g Alder	Medium		Tall Shrub	
					Blac	k Spruce	Low		Pole	
					Quak	ing Aspen	Low		Pole	



Stand	d Level 4 C	Cover Type	Size Density			Stand Age B	A Range	Managed S	ite	General Comments	
26	6117 - Lowland Con	Deciduous iferous	, Mixed F	Poletimb	er Well	5.7	99	1-50	N/A		Stand has multi storied look, birch being dominate with maple and cedar co-dominate, maple and spruce as an understory. Stand is very small so
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	this look is most likely due to edge effect.
	Red Maple	35	Pole	6		Northern	White Cedar	Low	Variable	Sapling	
	Paper Birch	40	Log	10	99	Re	d Maple	Medium	Variable	Sapling	
No	orthern White Cedar	10	Pole	8		Ва	lsam Fir	Low	Variable	Sapling	
	Black Spruce	10	Pole	6							
	Quaking Aspen	5	Pole	6							
27	6122 - B	lack Spruce	e F	Poletimb	er Well	6.0	96	111-140	N/A		Access will be an issue.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Stand is healthy
	Red Maple	2	Pole	6		Pa	oer Birch	Low	Variable	Sapling	
	Paper Birch	3	Pole	6		Re	d Maple	Low	Variable	Sapling	
	Black Spruce	95	Pole	7	96	Ва	lsam Fir	Low	Variable	Sapling	
28	6121 -	Tamarack	F	Poletimb	er Poor	6.3	85	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	10	Pole	6		Ва	lsam Fir	Low	Variable	Sapling	
	Tamarack	90	Pole	6	85	Blad	k Spruce	Low	Variable	Sapling	
29	6113 - Lo	wland Mapl	e f	Poletimb	er Well	36.5	35	1-50	N/A		Transition zone.
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Tamarack	30	Pole/Sapling	g 5	35						
	Red Maple	65	Pole/Sapling	5	35						
	Black Spruce	5	Sapling	3							
30	6122 - B	lack Spruce	e f	Poletimb	er Well	5.2	96	81-110	N/A		Tamarack on the southeast.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	100	Pole	8	96	Re	d Maple	Low	Variable	Sapling	
						Ва	Isam Fir	Low	Variable	Sapling	
						Blad	ck Spruce	Low	Variable	Sapling	
						Pa	oer Birch	Low	Variable	Sapling	
31	6122 - B	lack Spruce) • I	Poletimb	er Well	8.7	98	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole	5		Re	d Maple	Low	Variable	Sapling	
	Black Spruce	95	Pole	8	98	Ва	lsam Fir	Low	Variable	Sapling	
						Ta	ımarack	Low	Variable	Sapling	



Stand	Level 4 Cover Type Size Densi			nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments	
32	6127 - Lo	owland Pine	; 1	Poletimb	er Poor	1.2	118	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	65	Log	16	118	Blac	k Spruce	Low	Variable	Sapling	
	Tamarack	10	Pole	6		Ta	marack	Low	Variable	Sapling	
No	rthern White Cedar	25	Pole	6		Northern	White Cedar	Low	Variable	Sapling	
33	500	- Water		Nonsto	cked	5.0			No		standing dead trees, best guess is that it is a pond now.
34	6220 - <i>F</i>	Alder/willow		Nonsto	cked	285.1			No		
						Sub-Car	nopy Species	Density	Avg. Height	Size	
						Wil	low spp.	Low		Tall Shrub	
						Wil	low spp.	Low		Tall Shrub	
						Та	g Alder	Low		Tall Shrub	
						Wil	low spp.	Low		Tall Shrub	
35	6122 - B	lack Spruce	:	Poletimb	er Well	1.7	93	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	80	Pole	8	93	Ba	lsam Fir	Low	Variable	Sapling	
	Red Maple	5	Pole	8		Re	d Maple	Low	Variable	Sapling	
	Balsam Fir	5	Pole	6							
	Paper Birch	10	Pole	6							
36	6122 - B	lack Spruce	:	Poletimb	er Well	17.5	94	111-140	N/A		Would consider harvesting (like many of the spruce stands) if access was not so incredably difficult.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Trees are healthy and very tall (potentially 80ft)
	Paper Birch	5	Pole	8		Ba	Isam Fir	Low	Variable	Sapling	
	Black Spruce	95	Pole	8	94		k Spruce	Low	Variable	Sapling	
							d Maple	Low	Variable	Sapling	
						Pap	er Birch	Low	Variable	Sapling	
37	6121 -	Tamarack	Po	oletimbei		n 36.2	45	1-50	N/A		
	Canopy Species	% Cover	Size Class		Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Tamarack	55	Pole	5	45	Та	marack	Low	Variable	Sapling	
	Red Maple	15	Pole	5		Blac	k Spruce	Low	Variable	Sapling	
	Paper Birch	15	Pole	5							
	Black Spruce	15	Pole	5							



Stand	Level 4 C	over Type		Size Density	Acres	Stand Age B	A Range	Managed S	Site	General Comments
38	629 - Mixed nor	n-forested v	wetland	Nonstocked	49.7			No		small pocket of mauture tammarack in the northeast corner, lots dead tamarack
					Sub-C	anopy Species	Density	Avg. Height	Size	tailialack
					Pa	aper Birch	Low		Sapling	
					Т	amarack	Low		Sapling	
					Northe	rn White Cedar	Low		Sapling	
					R	ed Maple	Low		Sapling	
					7	ag Alder	Low		Tall Shrub	
					Bla	ack Spruce	Low		Sapling	
					V	'illow spp.	Low		Tall Shrub	
					V	/hite Pine	Low		Sapling	
					Qua	aking Aspen	Low		Sapling	
39	6121 -	Tamarack		Poletimber We	II 10.9	90	81-110	N/A		
(Canopy Species	% Cover	Size Class	DBH Age	Sub-C	anopy Species	Density	Avg. Height	Size	
	Tamarack	80	Pole	6 90	Т	amarack	Low	Variable	Sapling	
I	Black Spruce	20	Pole	6	Bla	ack Spruce	Low	Variable	Sapling	
40	6122 - Bl	lack Spruce	9	Poletimber We	ll 7.5	94	51-80	N/A		
(Canopy Species	% Cover	Size Class	DBH Age	Sub-C	anopy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole	6	В	alsam Fir	Low	Variable	Sapling	
	Paper Birch	5	Pole	6	R	ed Maple	Low	Variable	Sapling	
I	Black Spruce	85	Pole	6 94	V	/hite Pine	Low	Variable	Sapling	
	White Pine	5	XLog	18			·			
41	6122 - Bl	lack Spruce	e	Poletimber Poo	or 1.0	94	1-50	N/A		
(Canopy Species	% Cover	Size Class	DBH Age						
	Black Spruce	80	Pole	6 94						
	Tamarack	20	Pole	6						
42	6121 -	Tamarack		Poletimber Poo	or 9.3	89	51-80	N/A		
(Canopy Species		Size Class	DBH Age	Sub-C	anopy Species	Density	Avg. Height	Size	
	Tamarack	60	Pole	8 89	Bla	ack Spruce	Low	Variable	Sapling	
	Black Spruce	40	Pole	6	Т	amarack	Low	Variable	Sapling	
43	6122 - Bl	lack Spruce		Poletimber We	ll 5.5	94	51-80	N/A		
(Canopy Species	% Cover	Size Class		Sub-C	anopy Species	Density	Avg. Height	Size	
I	Black Spruce	85	Pole	6 94	R	ed Maple	Low	Variable	Sapling	
	Paper Birch	5	Pole	6		aper Birch	Low	Variable	Sapling	
	Red Maple	5	Pole	6	В	alsam Fir	Low	Variable	Sapling	
	White Pine	5	XLog	18	\/	/hite Pine	Low	Variable	Sapling	



44	6126 - Lowla Canopy Species Jack Pine		ine P				Acres Stand Age BA Range					
		0/ 0		Poletimber Well		3.1	88	1-50	N/A		Seeding into the marsh.	
	Jack Pine	% Cover	Size Class	DBH	I Age	Sub-Cai	nopy Species	Density	Avg. Height	Size		
		90	Pole	8	88	Blac	k Spruce	Low	Variable	Sapling		
	Black Spruce	10	Pole	8		Ta	marack	Low	Variable	Sapling		
						Ja	ck Pine	Low	Variable	Sapling		
45	6124 - Lowla	and Spruce	-Fir P	oletimb	er Well	11.1	92	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
No	rthern White Cedar	5	Pole	6		Ва	Isam Fir	Low	Variable	Sapling		
	White Pine	5	Pole	5		Blac	k Spruce	Low	Variable	Sapling		
	Hemlock	30	Log/Pole/XLog	12		Н	emlock	Low	Variable	Sapling		
	Black Spruce	40	Pole	8	92	Е	Beech	Low	Variable	Sapling		
	Beech	5	Pole	8		Re	d Maple	Low	Variable	Sapling		
	Balsam Fir	15	Pole	5							-	
46	6122 - Bl	ack Spruce	e P	oletimb	er Well	4.4	94	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Black Spruce	75	Pole	6	94	Blac	k Spruce	Low	Variable	Sapling		
	Red Maple	10	Pole	6		Bal	Isam Fir	Low	Variable	Sapling		
	Paper Birch	10	Pole	8		Wh	nite Pine	Low	Variable	Sapling		
	White Pine	5	Log	14								
47	6121 - 7	Tamarack	P	oletimb	er Well	3.6	90	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Black Spruce	20	Pole	6		Blac	k Spruce	Low	Variable	Sapling		
	Tamarack	80	Pole	6	90	Та	marack	Low	Variable	Sapling		
48	4130	- Aspen		Sapling	g Well	1.3	26 I	mmature	N/A			
	Canopy Species	% Cover	Size Class	DBH	I Age							
	Red Maple	15	Sapling	3								
	Paper Birch	10	Sapling	3								
	Bigtooth Aspen	75	Sapling	3	26							



Stand	Level 4 Co	ver Type	;	Size Density		Acres	Stand Age E	BA Range	Managed S	Site	General Comments	MICHIGAN
49	6229 - Mixed	lowland sl	hrub	Nonst	ocked	6.1			No			
						Sub-Car	nopy Species	Density	Avg. Height	Size		
						Wil	low spp.	Medium		Tall Shrub		
						Wil	low spp.	Medium		Tall Shrub		
						Wil	low spp.	Medium		Tall Shrub		
						Wh	ite Pine	Low		Sapling		
						Ta	g Alder	Medium		Tall Shrub		
						Ta	marack	Low		Sapling		
						Re	d Maple	Low		Sapling		
						Quak	ing Aspen	Low		Sapling		
						Blac	k Spruce	Low		Sapling		
						Blac	k Cherry	Low		Sapling		
						Pap	er Birch	Low		Sapling		
50	6122 - Bla	ack Spruce	e P	oletimb	er Well	4.1	89 U	Inspecified	N/A		Has a mix of everything.	
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Paper Birch	5	Pole	5		Blac	k Spruce	Low	Variable	Sapling		
	Black Spruce	80	Pole	6	89	Re	d Maple	Low	Variable	Sapling		
	Tamarack	5	Pole	6		Bal	sam Fir	Low	Variable	Sapling		
	Red Maple	5	Sapling/Pole	4								
	White Pine	5	Sapling/Pole	4								
51	6139 - Mixed I	_owland F	orest P	oletimb	er Well	7.8	72	51-80	N/A			
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Red Maple	15	Pole/Sapling	5	60	Blac	k Spruce	Low	Variable	Sapling		
	Paper Birch	15	Pole/Sapling	5		Bal	sam Fir	Low	Variable	Sapling		
C	Quaking Aspen	15	Pole/Sapling	5		Re	d Maple	Low	Variable	Sapling		
	White Pine	20	Log	16								
	Black Spruce	35	Pole/Sapling	5	72							
52	6127 - Lo	wland Pine	e S	awtimb	er Well	5.1	122	51-80	N/A			
(Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Red Pine	20	Log	10			d Maple	Low	Variable	Sapling		
	Black Spruce	5	Pole	6		Re	ed Pine	Low	Variable	Sapling		
	White Pine 60 Log 14 122 Black Spruce				Low	Variable	Sapling					
	Tamarack 15 Pole 6						1					



Stand	Level 4 C	Cover Type		Size Density		Acres Stand Age BA		A Range	Managed S	ite	General Comments
53	6127 - Lo	owland Pine)	Sawtimb	er Well	3.8	122	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	85	Log/XLog	18	122	Blad	ck Spruce	Low	Variable	Sapling	
	Red Pine	10	Log	16							
	Black Spruce	5	Pole	6							
54	6121 -	Tamarack		Poletimb	oer Well	3.9	90	51-80	N/A		Includes a small pocket of aspen.
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	30	Pole	6		Re	ed Maple	Low	Variable	Sapling	
	Tamarack	65	Pole	6	90	Ва	llsam Fir	Low	Variable	Sapling	
	White Pine	5	Log	10		Ta	amarack	Low	Variable	Sapling	
						Blad	ck Spruce	Low	Variable	Sapling	
55	6117 - Lowland Con	Deciduous, iferous	Mixed	Poletimb	oer Well	11.5	87	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	20	Pole/Log	10		Blad	ck Spruce	Low	Variable	Sapling	
	Paper Birch	30	Pole/Log	10	87	R	ed Pine	Low	Variable	Sapling	
	Red Maple	30	Pole	8		Ва	Isam Fir	Low	Variable	Sapling	
No	rthern White Cedar	10	Pole	6							
	Black Spruce	10	Pole	6							
56	4112 - Maple, Beed	ch, Cherry A	Association	Sawtimb	er Well	20.5	90	1-50	N/A		TS: 41-040-13-01 unit 1
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	TCR 1/5/16
	Hemlock	5	Log	12			Beech	Low	Variable	Sapling	
	Black Cherry	5	Pole	8		Re	ed Maple	Low	Variable	Sapling	
	Red Maple	90	Log	12	90						-
57	6121 -	Tamarack		Poletimb	oer Well	2.6	92	81-110	N/A		Mix of size classes.TAM 80 110 /R.MAPLE 20 / 10B.SPRUCE / /
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	20
	Tamarack	85	Pole	6	92	Re	ed Maple	Low	Variable	Sapling	
	Black Spruce	10	Pole	6		Ва	llsam Fir	Low	Variable	Sapling	
	Red Maple	5	Pole	6		Pa	per Birch	Low	Variable	Sapling	
	0400 11					2.0		51-80	N/A		dving out
58	6126 - Lowl	iand Jack P	ine	Poletimb	er Poor	2.8	89	51-60	IN/A		dying out
58	Canopy Species		Size Class		er Poor H Age		nopy Species	Density	Avg. Height	Size	dying out
58						Sub-Ca				Size Sapling	dying out



Stand	d Level 4 Cover Type			Size De	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
59	6128 - Lowland Dec	Coniferous, iduous	, Mixed	Sawtimb	er Well	64.8	122	81-110	N/A		Large stand with lots of variablity, size classes and species composition changes throughout.
	Canopy Species	% Cover	Size Class	DBH	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Hemlock	60	Log/Pole	10	122	Ва	llsam Fir	Low	Variable	Sapling	
	Red Maple	20	Log/Pole	10		Н	emlock	Low	Variable	Sapling	
	Paper Birch	15	Log/Pole	10							
	Black Spruce	5	Pole	8							
60	6220 - A	lder/willow		Nonst	ocked	37.7			No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Ta	ag Alder	High		Tall Shrub	
61	6130 - Fir,	Aspen, Mar	ole	Poletimb	oer Well	9.1	26	1-50	N/A		Small pocket of large hemlock on the south end. Stand is part of larger stand from previous inventory, this new stand seems to be the residual
	Canopy Species	% Cover	Size Class	DBH	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	submerchantable trees from that harvest. Stand is actually older then
	Balsam Fir	45	Pole/Sapling	g 5	26		Beech	Low	< 5 feet	Sapling	what is recorded.
	Black Spruce	10	Sapling/Pole	9 4			llsam Fir	Low	< 5 feet	Sapling	
	Paper Birch	2	Sapling	4			ed Maple	Low	< 5 feet	Sapling	
	Red Maple	35	Sapling	4			emlock	Low	< 5 feet	Sapling	
	Bigtooth Aspen	5	Pole/Sapling	_		Blad	ck Spruce	Low	< 5 feet	Sapling	
	Hemlock	3	Sapling/Pole	e 4							
62	6220 - A	lder/willow		Nonst	ocked	6.5			No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Ta	ag Alder	Low		Tall Shrub	
63	6220 - A	lder/willow		Nonst	ocked	9.5			No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Ta	ag Alder	Medium		Tall Shrub	
64		wland Mapl		Saplin	_	16.1	26	1-50	N/A	_	Lots of nice paper and yellow birch regen in the skid trails.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	75	Sapling	3	26	WI	nite Pine	Low	< 5 feet	Sapling	
	Black Spruce	5	Pole	6		Blad	ck Spruce	Low	< 5 feet	Sapling	
	Balsam Fir	8	Pole	5		Н	emlock	Low	< 5 feet	Sapling	
	Hemlock	2	Sapling	3							
	Bigtooth Aspen	10	Sapling	3							

Report 7 - Stands Shingleton Mgt. Unit



Stanc	Level 4 C	Level 4 Cover Type Siz				Acres	Acres Stand Age BA		Managed S	Site	General Comments
65	4112 - Maple, Beed	ch, Cherry A	Association Sav	vtimbe	r Mediun	n 35.6	90	1-50	N/A		TS: 41-040-13-01 unit 1 TCR 1/5/16
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	101(1/0/10
	Black Cherry	5	Log/Pole	10		Sug	ar Maple	Low	Variable	Sapling	
	Hemlock	2	Log	14		E	Beech	Full	Variable	Sapling	
	Sugar Maple	65	Log/Pole	12	90	Re	d Maple	Low	Variable	Sapling	
	Red Maple	25	Log/Pole	12							-
	Paper Birch	3	Log	10							
66	6123 - L	owland Fir	Sa	apling I	Medium	20.7	13 I	mmature	N/A		Cut in 2010.
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Black Spruce	10	Sapling	2							
	White Pine	13	Sapling	2							
	Balsam Fir	70	Sapling	2	13						
	Quaking Aspen	2	Sapling	2							
	Red Maple	5	Sapling	2							
67	6113 - Lo	wland Mapl	e Po	oletimb	er Well	9.0	40	1-50	N/A		Transition zone and or drainage, stand is filling in witha variety of specie
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	which are of all sizes in the sapling range- age is estimated.
	Paper Birch	5	Pole	5			k Spruce	Low	Variable	Sapling	
	Red Maple	90	Pole	5	40	Wh	nite Pine	Low	< 5 feet	Sapling	
	Black Spruce	5	Pole	5						, , ,	
68	6129 - Mixed Conif	erous Lowla	and Forest Sa	awtimb	er Well	19.8	116	111-140	N/A		Hemlock 150 110 100
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	2	Pole	6		H	emlock	Low	Variable	Sapling	
	White Pine	15	XLog	22		Blac	k Spruce	Low	< 5 feet	Sapling	
	Black Spruce	8	Pole	6		Ва	lsam Fir	Low	< 5 feet	Sapling	
	Hemlock	75	XLog/Log	20	116	Wh	nite Pine	Low	Variable	Sapling	
69	6129 - Mixed Conif	erous Lowla	and Forest Po	oletimb	er Well	23.8	116 U	nspecified	N/A		Was part of surrounding hemlock stands but is different enough to be it
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	own now. Trees are smaller in size class, site shows signs of being wetter.
	White Pine	15	XLog/Log	18		H	emlock	Low	Variable	Sapling	wotton.
	Hemlock	55	Log/Pole	10	116	Wh	ite Pine	Low	Variable	Sapling	
	Paper Birch	3	Pole/Sapling	5		Ва	Isam Fir	Low	< 5 feet	Sapling	
	Black Spruce	22	Pole	6		Blac	k Spruce	Low	Variable	Sapling	
	Red Maple	5	Pole/Sapling	5		Re	d Maple	Low	Variable	Sapling	
70	6127 - Lo	d Maple 5 Pole/Sapling 5 6127 - Lowland Pine Sawtimber Mediur					90	1-50	N/A		Cut in 2010 with a significant amount of white pine being reserved.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	100	Log/Pole	10	90	Wh	ite Pine	Low	5 - 10 feet	Sapling	
			3	. 0			into i into	LOW	0 101000	Capining	



Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments
71	6124 - Lowland Spruce-Fir Po			oletimber Medium		12.9	40 L	Unspecified	N/A		Age is an estimate, site seems to be converting back to forested with a
	Canopy Species	% Cover	Size Class	DBH	l Age						variesty of species and sizes.
	Red Maple	25	Pole	5							
	Balsam Fir	20	Pole	5							
	White Pine	5	Pole	5							
	Black Spruce	30	Pole	5	40						
	Tamarack	20	Pole	5							
72	6220 - Alder/willow			Nonst	stocked	0.6			No		Scattered tammarack, white pine and balsam fir.
						Sub-Ca	anopy Specie	es Density	Avg. Height	Size	
						Tag Alder Willow spp.		Medium	Variable	Tall Shrub	
								Medium	Variable	Tall Shrub	
73	6127 - Lowland Pine			Sapling Poor		8.6	13	Immature	N/A		stand cut in 2009 (camp conifers)
	Canopy Species	opy Species % Cover Size C		DBH	l Age						seeded winter 2016 on snowmobile to JP. FTP:1658 regen check needed after 10/1/2019. regen check 2019 passed.
	Red Maple	15	Sapling	1							rogen eneck needed and 16, 1/2010, regen eneck 2010 passed.
	Jack Pine	5	Sapling	1							
	White Pine	50	Sapling	1	13						
	Black Spruce	30	Sapling	1							
74	6120 - Lowland Cedar		ar	Poletimber Well		2.0	97	51-80	N/A		
	Canopy Species		Size Class		l Age						
No	orthern White Cedar	100	Pole	8	97						