

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41155 Entry Year 2021 Acreage: 2,474

County Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Bob Burnham

Legal Description:

T46N R16W Sections 22-26

Identified Planning Goals:

Timber and wildlife management opportunities are the primary focus on state lands in this compartment.

Soil and topography:

Flat to gently rolling terrain generally featuring sandy to loamy soils on the uplands & ridges, and heavier muck soils in the bottomlands. Drainage is slow on the lowland sites, which comprise most of this compartment.

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

The area features large blocks of contiguous state ownership, and there are no private lands within this compartment. A power transmission line runs east-west through the compartment.

Unique Natural Features:

This compartment includes significant acreage of the Creighton Marsh Patterned Fen Ecological Reference Area.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

The Creighton Marsh Patterned Fen ERA represents a high-quality example of a patterned fen. A management plan for it is currently being developed.

Watershed and Fisheries Considerations:

This compartment contains Marsh Creek, Walsh Creek, and several unnamed waterbodies. Additionally, the western region of this compartment borders the Creighton River. Walsh Creek and the Creighton River are designated a Type 1 trout streams less than 50' width. A 300' buffer is recommended for Walsh Creek and the Creighton River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

Marsh Creek is a non-designated stream less than 50' width. 100' plus 5' per 1% increase in slope; buffers are recommended for Marsh Creek to protect these areas in accordance with Best Management Practices. Several unnamed waterbodies are located in the eastern and western regions of this compartment. 100' plus 5' per 1% increase in slope; buffers are recommended for unnamed waterbodies (small lakes) to protect shoreline areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Bordered by Creighton River on the west and M-28 on the south, this compartment is dominated by the marsh/conifer ridge complex. Marsh Creek bisects this compartment on a Northwest/Southeast diagonal. A patterned fen ecological reference area covers a third to half of the compartment. Wolf and moose activity are common. Wildlife goals include protecting the marsh habitat, providing super-canopy pine trees for raptor nesting, maintaining some closed canopy conifer habitat, protecting stream bank corridors, and promoting regeneration of deciduous tree species.

Mineral Resource and Development Concerns and/or Restrictions

Sand/gravel pits are not found in the general area, and there appears to be limited sand & gravel potential within the compartment. There is no known metallic mineral potential in this area no known potential for economic hydrocarbon production in the UP.

Vehicle Access:

Vehicle access is pretty limited in the compartment and the roads that are present are in poor condition due to seasonal flooding in the compartment.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There are no developed recreational facilities in this compartment.

Fire Protection:

Access across low, wet terrain is extremely difficult in many areas.

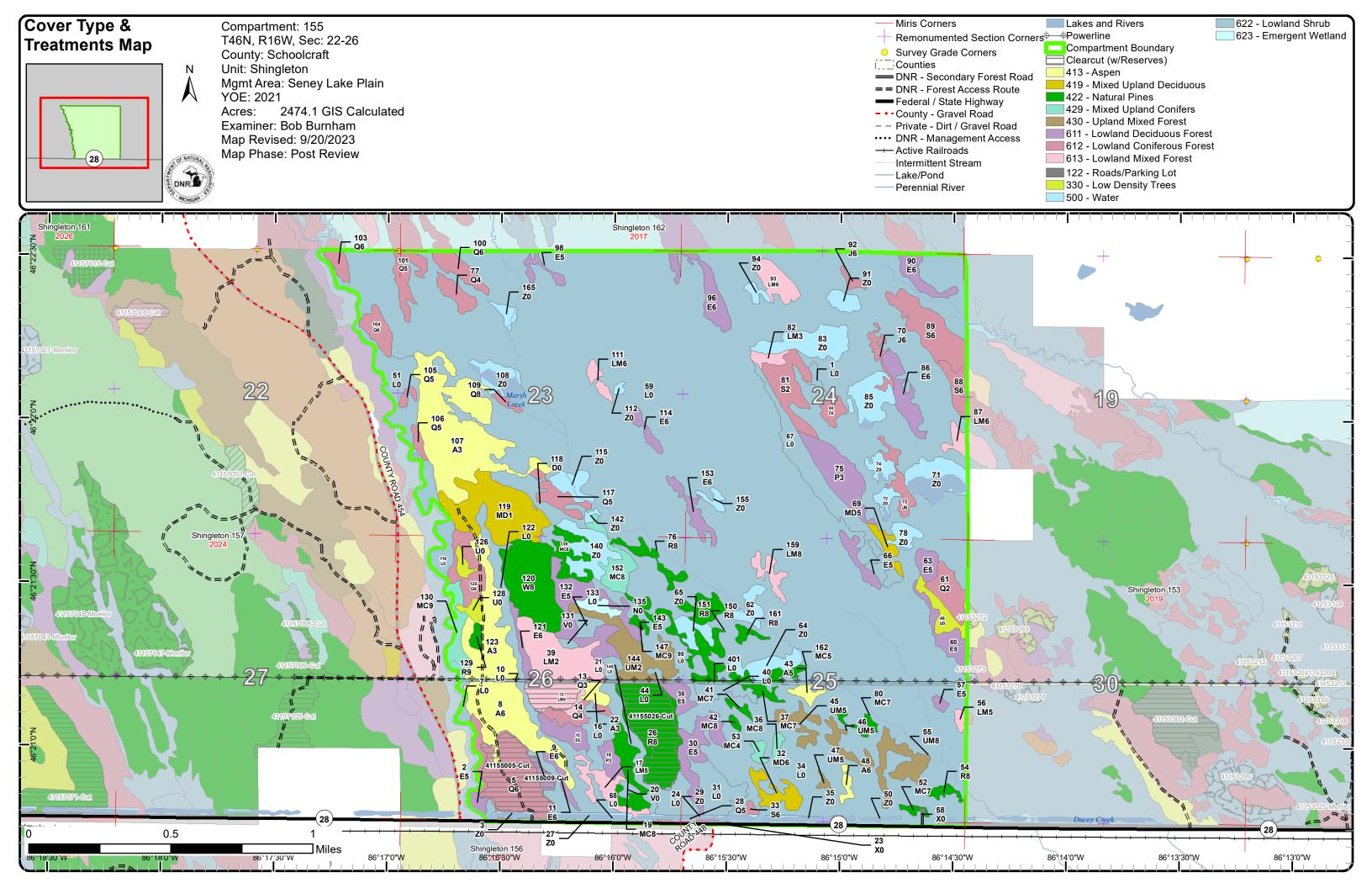
Additional Compartment Information:

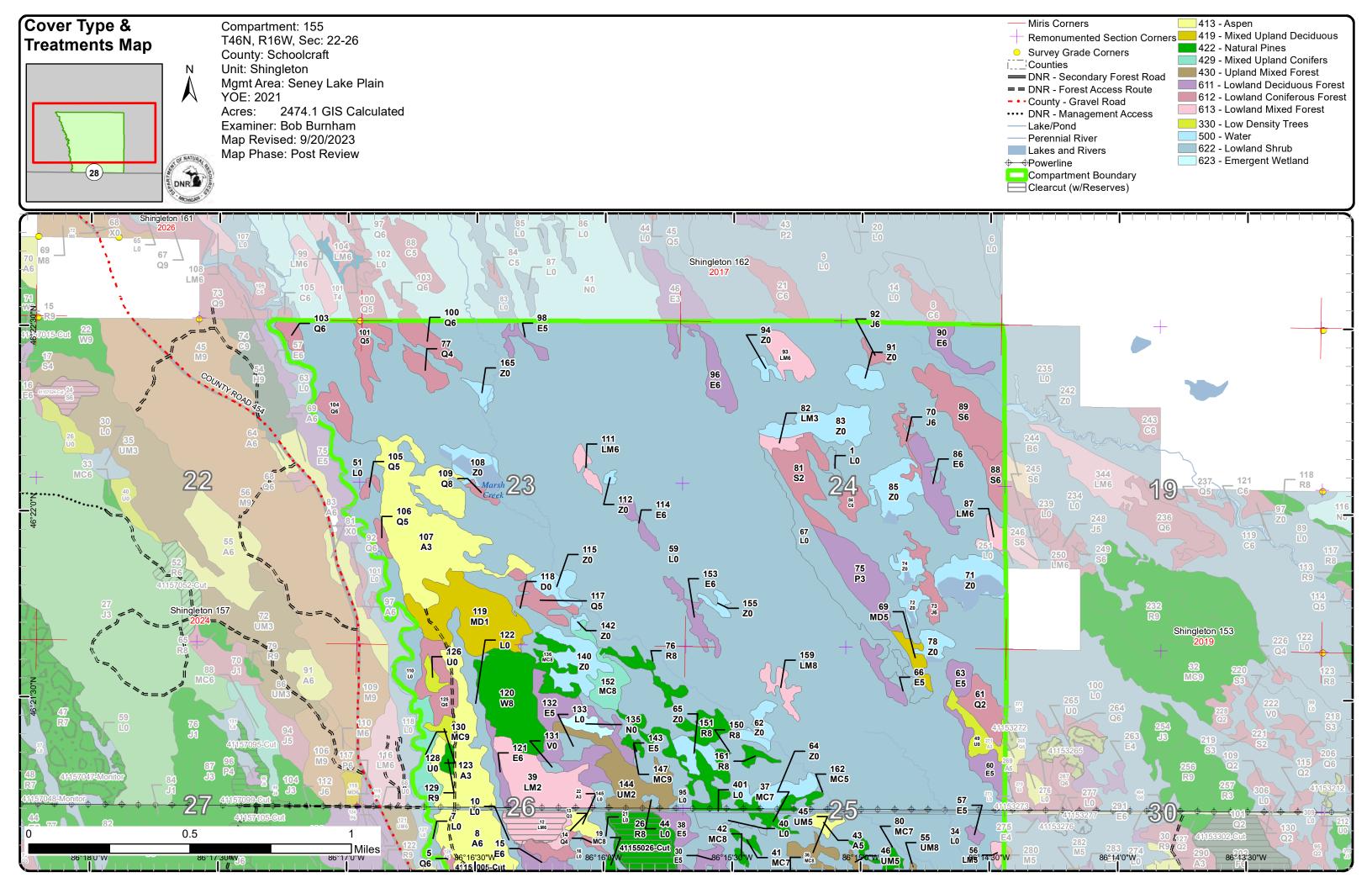
The following reports from the Inventory are attached:

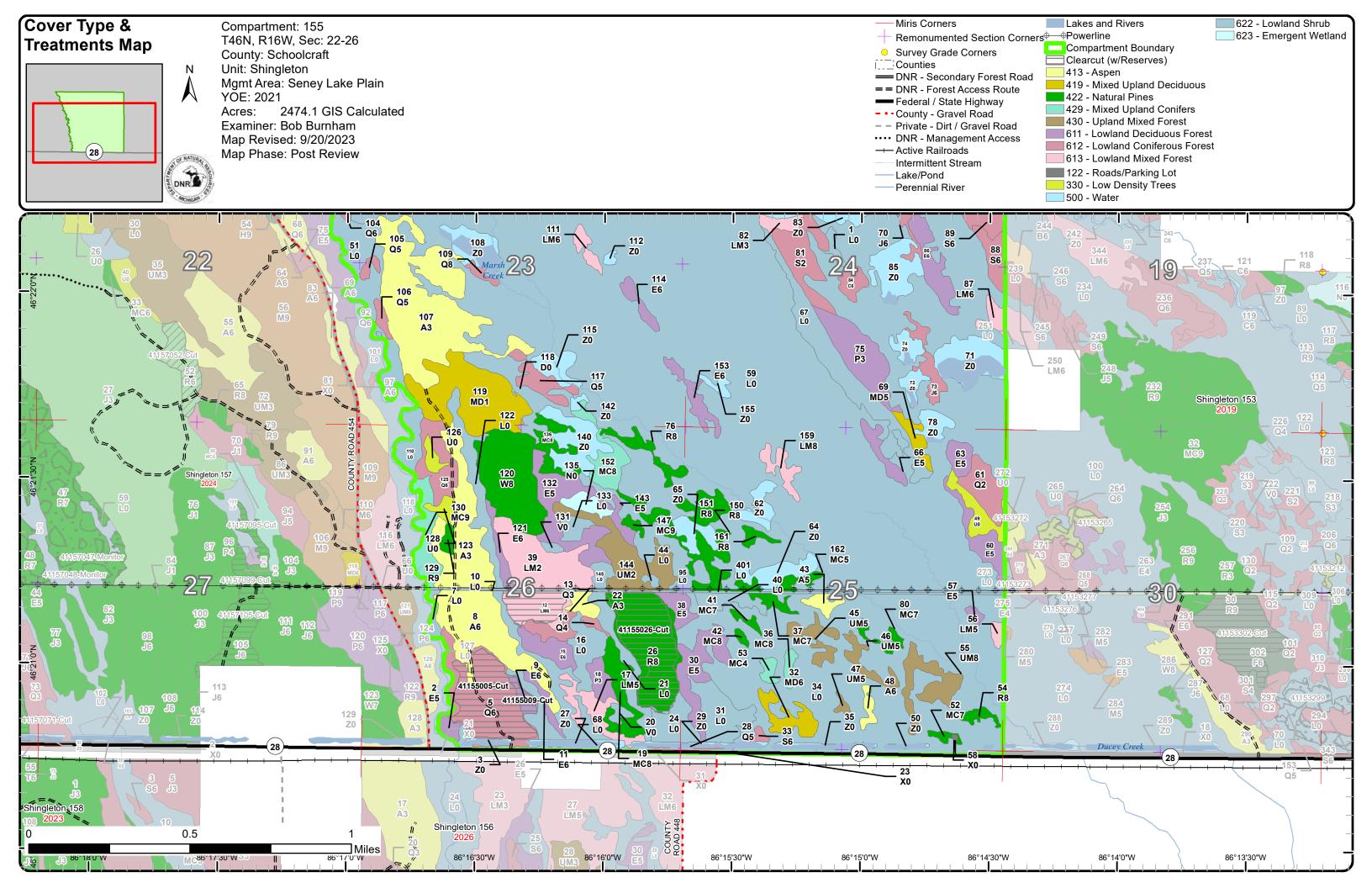
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

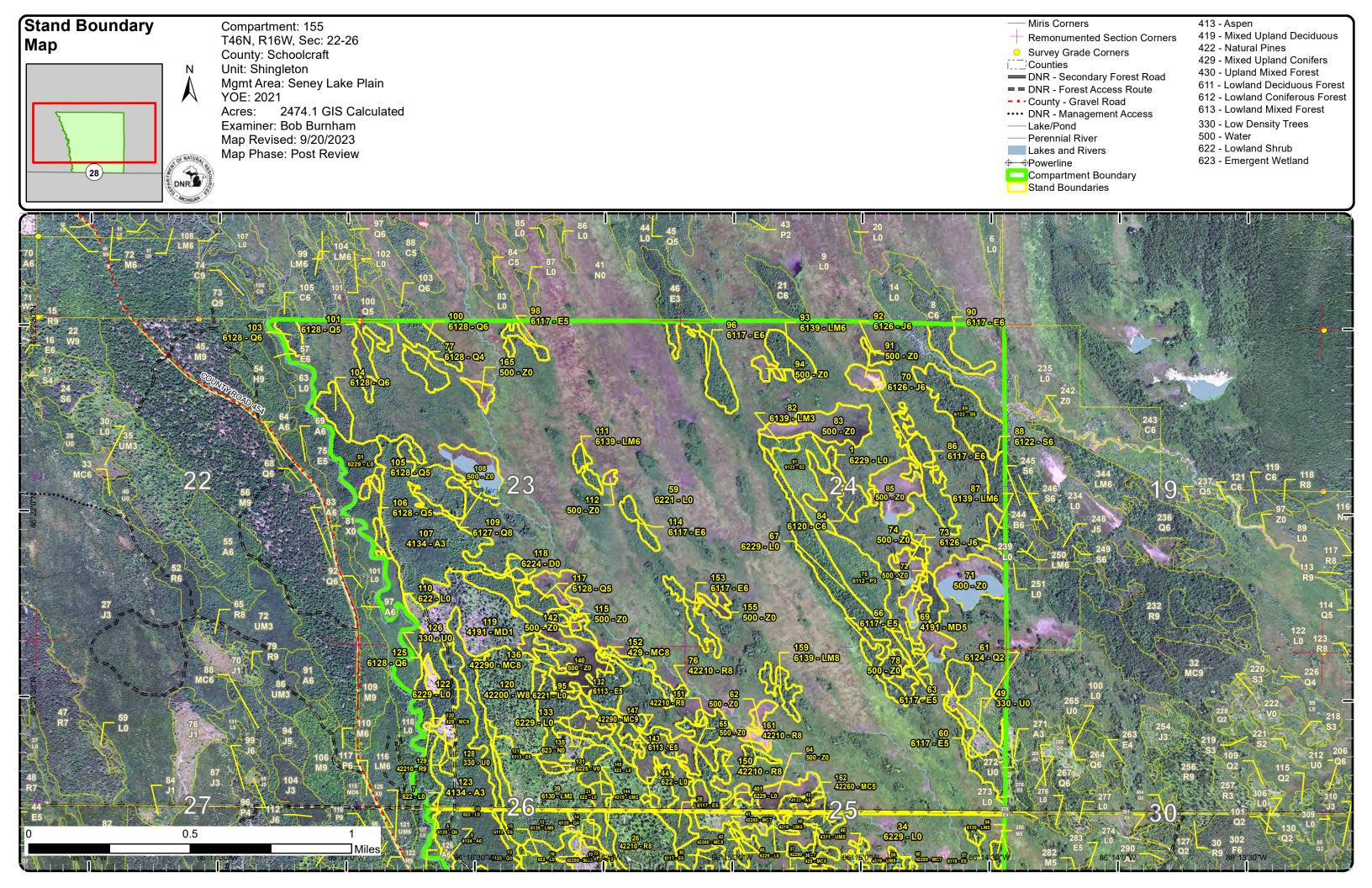
The following information is displayed, where pertinent, on the attached compartment maps:

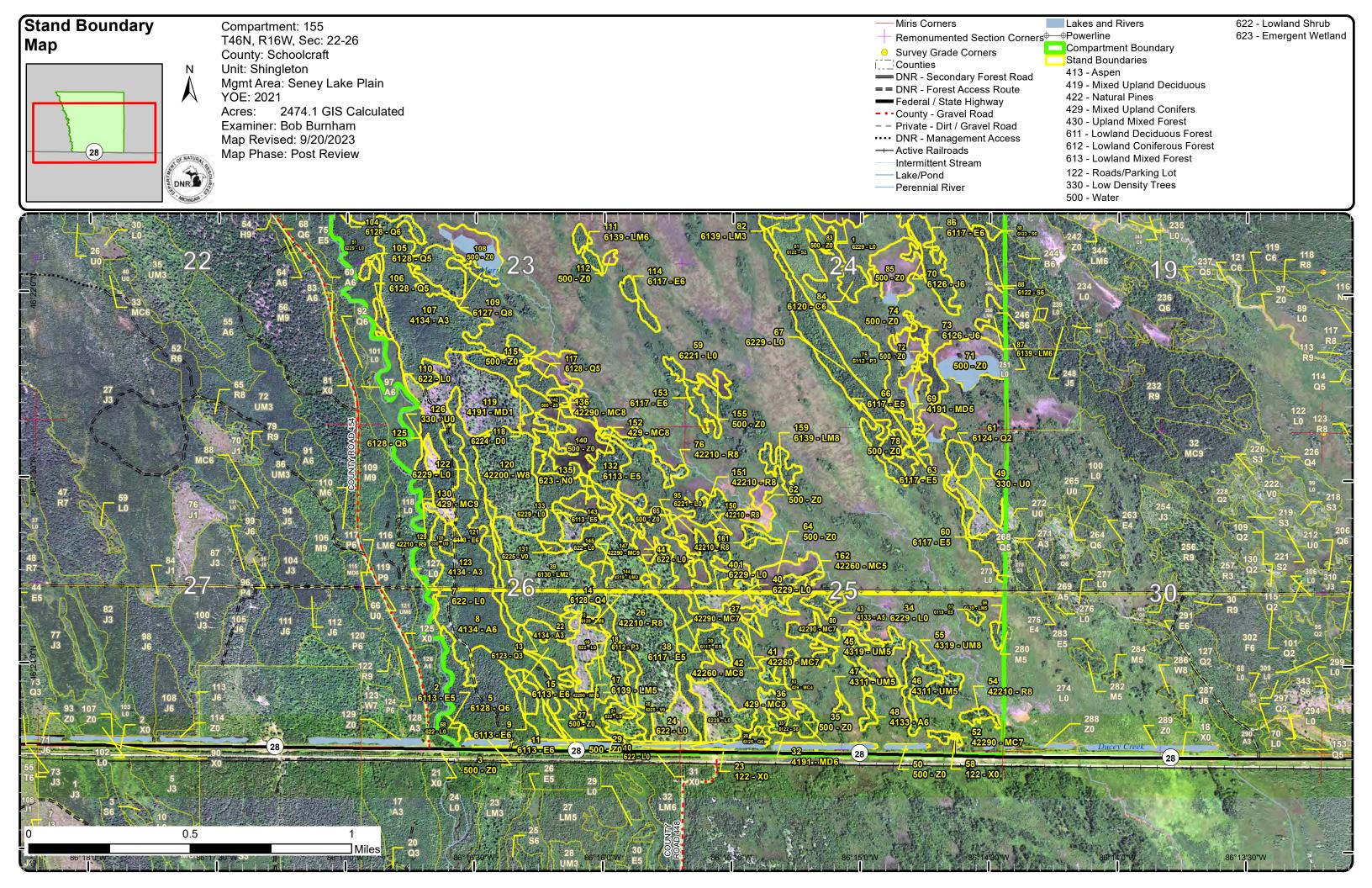
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

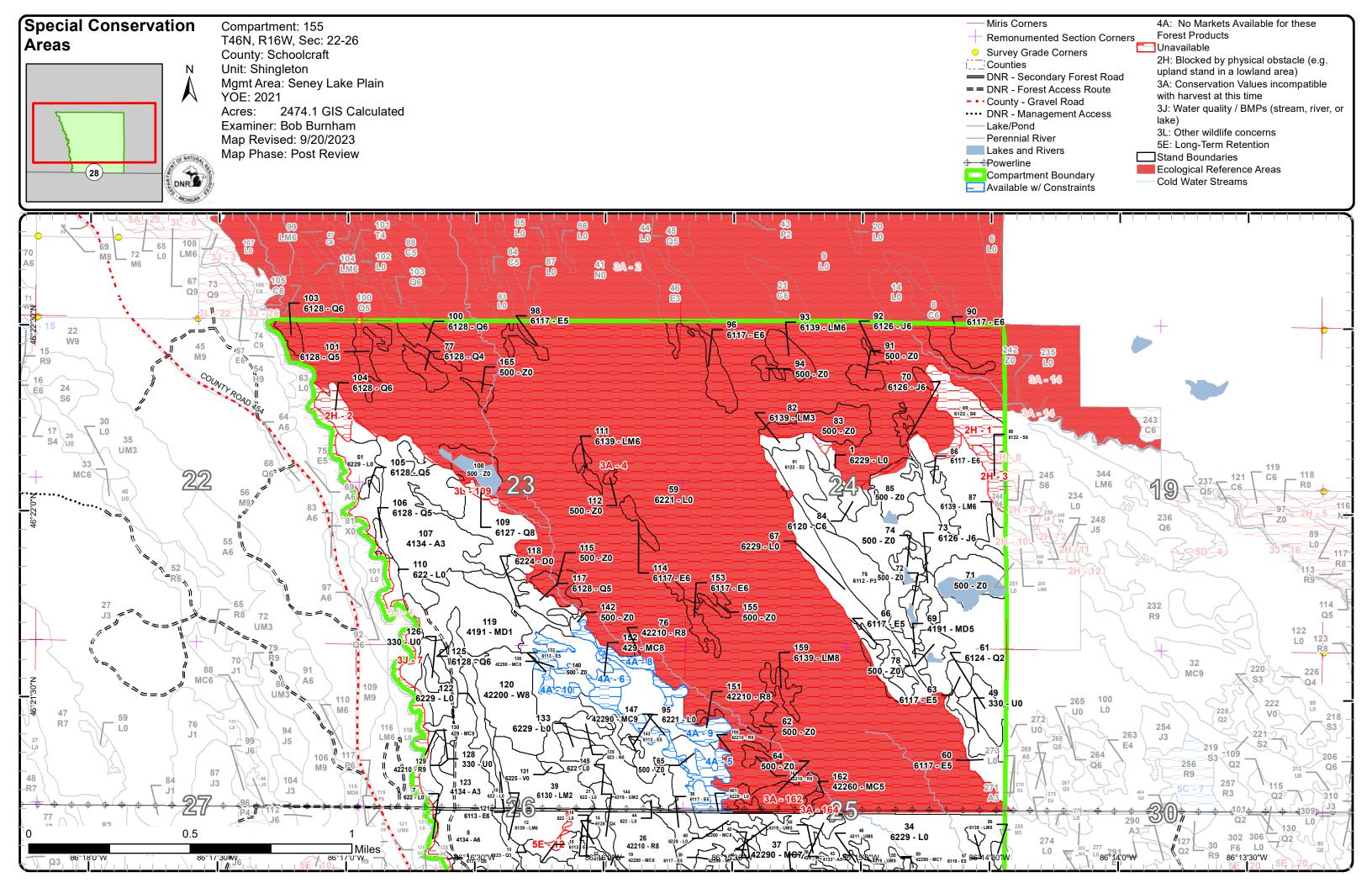


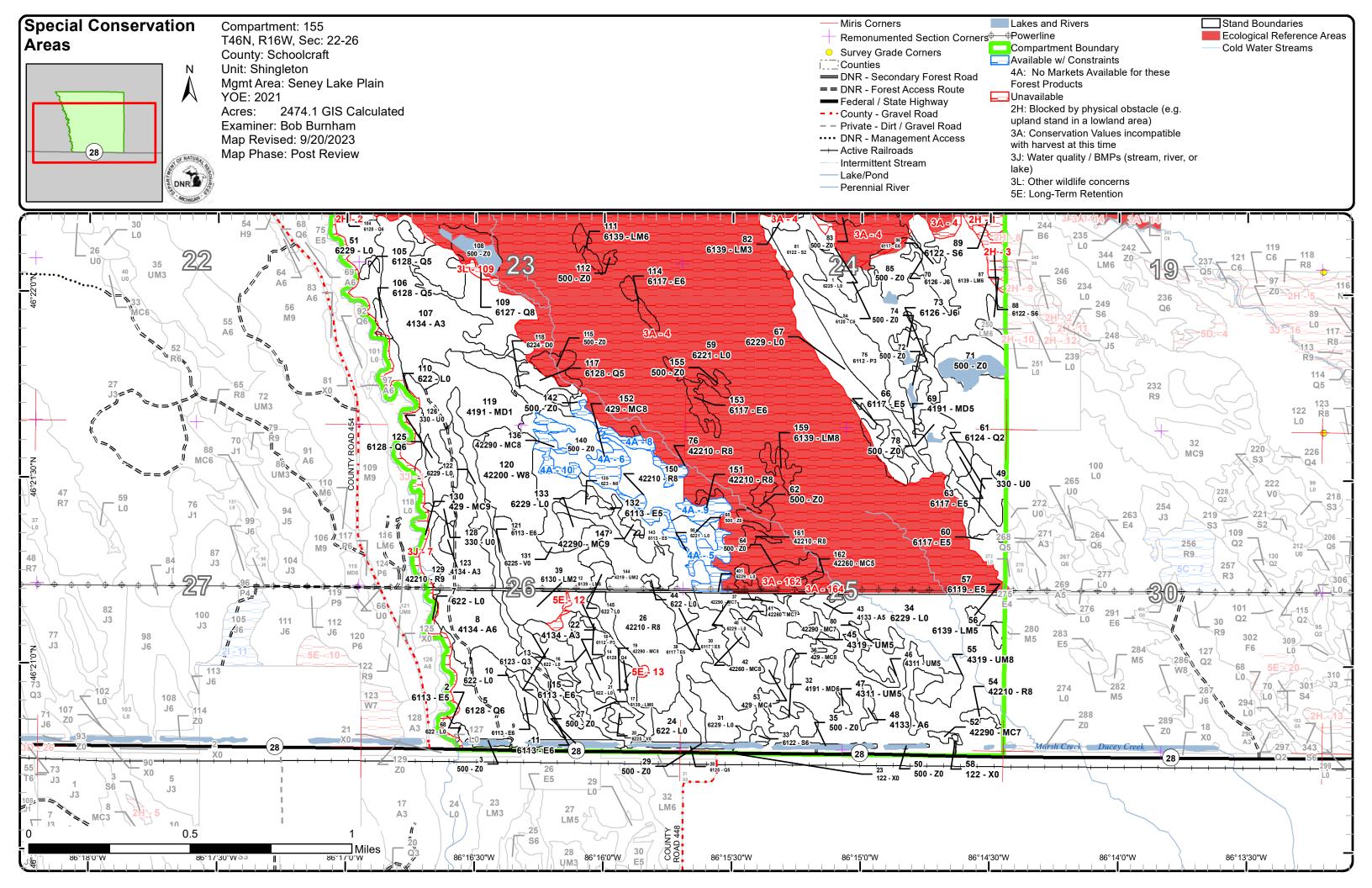












Shingleton Mgt. Unit

Bob Burnham: Examiner

Compartment 155 Year of Entry 2021



Age Class

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	₽or.		§ / s					3/8	8/8	\$\\\ &	8 / &		2 Z		R S		, R. / E	S Just	Exer YAS
	/ 🔻			/	/ 1	/	/ ~	/ `	/ `		/ 1				/ ~	/ ~		/ 3	/ /
Aspen	0	0	4	125	5	0	0	0	0	0	0	0	0	0	0	0	0	0	134
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Jack Pine	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	12
Low-Density Trees	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Aspen/Balsam Poplar	0	0	5	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Lowland Conifers	0	0	0	10	5	20	1	36	8	10	2	20	0	0	0	0	0	0	112
Lowland Deciduous	0	0	0	11	0	38	14	45	5	0	0	0	0	0	0	0	0	11	123
Lowland Mixed Forest	0	0	25	3	0	3	0	0	11	17	12	0	0	0	0	0	0	0	71
Lowland Shrub	1530	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1530
Lowland Spruce/Fir	0	0	0	16	0	0	0	0	0	22	7	0	0	0	0	0	0	0	45
Marsh	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	36	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	48
Natural Mixed Pines	0	0	0	0	0	1	0	0	2	17	5	0	8	0	0	0	0	0	32
Red Pine	0	0	0	0	0	0	0	2	0	37	9	0	21	0	0	0	0	0	69
Treed Bog	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Upland Conifers	0	0	0	0	0	0	0	0	13	0	2	0	10	0	0	0	0	0	25
Upland Mixed Forest	0	0	20	0	11	1	0	0	0	0	0	12	0	0	0	0	0	0	44
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134
White Pine	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	32
Total	1704	36	54	184	21	87	15	83	39	139	37	32	39	0	0	0	0	11	2479



Report 2 – Treatment Summary

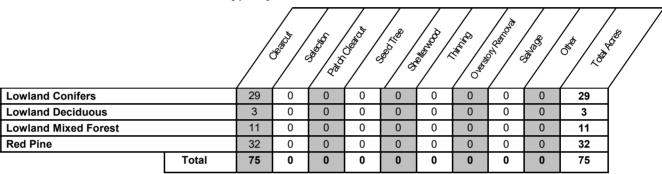
Shingleton Mgt. Unit Year of Entry: 2021

Acres of Harvest

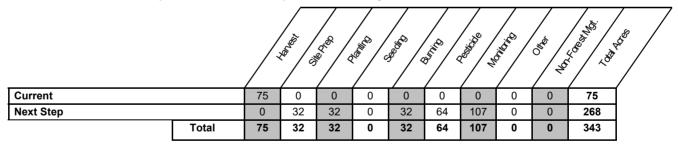
Compartment 155
Total Compartment Acres: 2,474

Commercial Harvest - 75
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method





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n

d

Treatment Acres Name

Stand CoverType

Size Stand Density

BA Age Range **Treatment** Type

Treatment Method

Cover Type Objective

Age Structure Habitat Cut

No

Approved Treatments:

41155005-Cut 29.1 6128 - Lowland Poletimber 69 51-80 Harvest Clearcut with 612 - Lowland Even-Aged Coniferous, Mixed Well Coniferous Retention

Deciduous

Forest

Prescription Clear-cut stand leaving 100' buffer along the Creighton River. Also leave portion along M-28 south of ponds for visuals. This acreage will

serve as retention. Cut all remaining trees. Specs:

Per wildlife request; Windrow slash as part of timbersale to benefit hare.

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable Mix of the current species on-site.

Regen: Other Comment:

Site Condition

Proposed Start Date: 10/1 /2020

51-80 611 - Lowland 41155009-Cut 6113 - Lowland Poletimber 58 Harvest Clearcut 28 Even-Aged Nο Maple Well Deciduous

Forest

Prescription Clearcut stand no retention due to small size.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Acceptable regen is a mix of the current species on-site.

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2020

12 41155012-Cut 10.7 6139 - Mixed Poletimber 82 51-80 Harvest Clearcut with 613 - Lowland No Even-Aged Retention Mixed Forest Lowland Forest Well

Prescription Final harvest stand cutting all trees except minimum retention which can be excluded with the red line along the western L type.

Per wildlife request; Windrow slash as part of timbersale to benefit hare. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Current mix of the species on-site.

Regen: **Other** Comment: Site Condition

Proposed Start Date: 10/1 /2020

Shingleton Mgt. Unit

Report 3 -- Treatments

Compartment: 155 Year of Entry: 2021



S t a										Year of Entry	<i>j</i> : 2021	DNR DURCHIGAN
n d	Treatme Name	ıt	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
26	41155026	-Cut	32.2	42210 - Natural Red Pine	Sawtimbe Medium		81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
Preso Spec				nd re-plant to red pi o 2 inches.	ne. Retent	ion will	be determ	ined at the time	e of sale prep but w	ill be put on the e	dge. Cut all tre	ess alive
Next Treat		,	,	sticide, Skidder - S ial Regen(3yr); Pl			•	ng; Monitoring	, Artificial Regen(1y	r); Pesticide, Sk	idder - Releas	e;
Acce Rege		ed Pin	е									
Other Com	<u>r</u> S ment:	and h	as some i	ridges as well as so	ome flat gro	ound. D	ue to the	amount of sprir	ng time sheet flow in	the area conside	er trenching ea	ast west.

Site Condition

Proposed Start Date: 10/1 /2020

Total Treatment 74.8 Acreage Proposed:

Compartment: 155

Shingleton Mgt. Unit

1,177

48%

Bob Burnham : Examiner Year of Entry: 2021

Availa	ability for	Managemer	nt							
Total	Acres	Acres Avail	Acres	Do	omina	nt Site	e Con	dition	s	
Acres	Available	With Condition	Not Available		4A	2H	3A	3J	3L	5E
134	134	0	0	Aspen			0	0		
3	3	0	0	Bog						
4	4	0	0	Cedar						
12	8	0	4	Jack Pine			4			
13	13	0	0	Low-Density Trees						
23	23	0	0	Lowland Aspen/Balsam Poplar						
110	73	0	38	Lowland Conifers		7	26	4	2	
122	89	0	33	Lowland Deciduous			32	1		
72	53	0	19	Lowland Mixed Forest			17			1
1529	549	0	981	Lowland Shrub		1	964	16		
44	17	0	28	Lowland Spruce/Fir		26	1			
4	4	0	0	Marsh						
47	47	0	0	Mixed Upland Deciduous				0		
32	22	8	2	Natural Mixed Pines	8		2			
69	39	24	6	Red Pine	24		5			0
14	14	0	0	Treed Bog						
25	10	10	5	Upland Conifers	10			5		
44	44	0	0	Upland Mixed Forest						
6	6	0	0	Urban				0		
134	73	0	61	Water			61	0		
32	32	0	0	White Pine						

Total Forested Acres

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.

34

1,113

26

2

2

42

1 Unavailable 2H: Blocked by physical 21 Unspecified U	te Dominant Si o. Cond Availab	**	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
Comments:	Unavailab	obstacle (e.g. upland		Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

2,474

1,256

51%

42

2%

Report 4 – Site Conditions

Shingleton Mgt. Unit
Bob Burnham: Examiner

2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	3A: Conservation Values incompatible with harvest at this time	1,112	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: ERA						
5	Available	4A: No Markets Available for these Forest Products	14	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand has difficult	winter access and most of the t	rees are l	arge diameter which are	out of class.		
6	Available	4A: No Markets Available for these Forest Products	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand has difficult	winter access and most of the p	products a	are large diameter that ha	ave grown out of class.		
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Shingleton Mgt. Unit
Bob Burnham: Examiner

8	Available	4A: No Markets Available for these Forest Products	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand has difficult	winter access and most of the tr	ees are	e large diameter which are c	out of class.		
9	Available	4A: No Markets Available for these Forest Products	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand has difficult	winter access and most of the tr	ees are	large diameter which are c	out of class.		
10	Available	4A: No Markets Available for these Forest Products	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand has difficult	winter access and most of the tr	ees are	large diameter which are c	out of class.		
12	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
13	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
109	Unavailable	3L: Other wildlife concerns	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
162	Unavailable	3A: Conservation Values incompatible with harvest at this time	1	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Shingleton Mgt. Unit

Bob Burnham : Examiner

Compartment: 155
Year of Entry: 2021

164 Unavailable	3A: Conservation Values incompatible with harvest at this time	1	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: ERA						

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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: 155





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	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish speci year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	es (e.g., slimy sculpin) to persist from se conditions due to substantial
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of identified as Element Occurrences (EOs) by the Michigan Natura context of their natural community classification system. Element (Excellent) or B (Good) and a Global (G) or State (S) element (rathreatened (2), or rare (3) serve as an initial base of ERAs. They the State. The system is comprised of individual or associations managed for restoration and maintenance of natural ecological psubmit recommendations for lands as ERAs using the DNR Constitution.	Il Features Inventory (MNFI) within the COCCURRENCES with viability ranks of A rity) ranking of endangered (1), may be located upon any ownership in of natural community types that are processes and values. The public may

Compartment: 155

Year of Entry: 2021 Stand **Level 4 Cover Type** Size Density Acres Stand Age BA Range **Managed Site General Comments** 2.1 0 6229 - Mixed lowland shrub Nonstocked Unspecified 612 - Lowland Coniferous Stand was cut in the winter of 2018, part of Raisins 2.0 Sale. Fully 1 Forest accept stand to regenerate but check regen next entry. 6113 - Lowland Maple 2 Poletimber Medium 26 58 1-50 N/A Very wet stand, sparsely stocked. **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size 8 Red Maple 70 Pole 58 Tag Alder High 5 - 10 feet Tall Shrub Pole 7 Black Spruce 15 Balsam Fir 15 Pole 7 500 - Water 1.1 Unspecified No 3 Nonstocked 6128 - Lowland Coniferous, Mixed 36 1 Poletimber Well 69 51-80 N/A Core of stand is softwoods and edges transition to maple. 5 Deciduous **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size White Spruce 20 Pole/Log 8 Red Maple Medium 10 - 20 feet Sapling 7 Sapling Black Spruce 5 Pole Balsam Fir Medium 5 - 10 feet Pole Paper Birch 5 8 Tag Alder Low 5 - 10 feet Tall Shrub Pole/Log Tamarack 15 9 Jack Pine 15 Pole/Loa 9 2 Black Cherry Pole/Log 9 3 White Pine 10 Log/Pole 20 8 69 Balsam Fir Pole Red Maple 15 Pole/Log 8 7 622 - Lowland Shrub Nonstocked 2.6 Unspecified No 4134 - Aspen, Spruce/Fir Poletimber Well 32.0 28 1-50 N/A Stand originated from "East Creighton Sale", cut in 1995. Stand is 8 transitioning to poles and is a mi of upland and lowland. Size **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height White Spruce 5 Sapling/Pole 4 Balsam Fir Low 5 - 10 feet Sapling Red Maple 18 4 Tag Alder 5 - 10 feet Tall Shrub Sapling/Pole Low Quaking Aspen 60 28 Black Spruce 5 - 10 feet Sapling Pole/Sapling 6 Low

Low

5 - 10 feet

Sapling

Jack Pine

Balsam Fir

2

15

4

4

Black Cherry

Sapling/Pole

Sapling/Pole

itands Compartment: 155
Year of Entry: 2021

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DNR
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Stand	nd Level 4 Cover Type Size Density		Acres	Stand Age B	BA Range	Managed 9	Site	General Comments			
9	6113 - Lo	wland Mapl	e i	Poletimb	er Well	3.0	58	51-80	N/A		Stand is healthy but consider harvesting with stand 5.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	20	Pole	7		Ta	ıg Alder	Low	5 - 10 feet	Tall Shrub	
	Red Maple	60	Pole	7	58	Re	d Maple	Low	5 - 10 feet	Sapling	
	Quaking Aspen	10	Pole	9		Ва	lsam Fir	Low	5 - 10 feet	Sapling	
	Paper Birch	5	Pole	8							
	Black Cherry	5	Pole	8							
10	622 - Lov	wland Shrub)	Nonst	ocked	20.8	U	Inspecified	No		
11	6113 - Lo	wland Mapl	e f	Poletimb	er Well	2.9	58	51-80	N/A		Wet ground - density, composition and site indices are all variable. Lowland brush dominates the understory in some places.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Lowiand brush dominates the understory in some places.
	Balsam Fir	20	Pole	7		Re	d Maple	Low	5 - 10 feet	Sapling	
	Black Cherry	5	Pole	8		Ta	ıg Alder	Medium	5 - 10 feet	Tall Shrub	
	Paper Birch	5	Pole	8							
	Quaking Aspen	10	Pole	9							
	Red Maple	60	Pole	7	58						
12	6139 - Mixed	Lowland Fo	orest [Poletimb	er Well	12.1	82	51-80	N/A		Stand has spruce throughout, 2 ages but only 15 years apart. Red ma is heavier in some areas. Consider harvest to capture the older spruce
	Canopy Species		Size Class		I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	is heavier in some areas. Consider harvest to capture the older spruce
	Black Spruce	45	Pole	8	82	Ta	ıg Alder	High	5 - 10 feet	Tall Shrub	
	Red Maple	40	Pole/Log	9			lsam Fir	Low	5 - 10 feet	Sapling	
	Tamarack	3	Pole/Log	9			d Maple	Low	5 - 10 feet	Sapling	
	White Pine	5	Log/Pole	12		Blac	k Spruce	Low	5 - 10 feet	Sapling	
	Quaking Aspen	2	Log/Pole	10							
			Pole	7							
	Paper Birch	5	1 0.0	,							· · · · · · · · · · · · · · · · · · ·
13	· ·	Lowland Fir	1 0.0	Sapling	g Well	4.8	32	Immature	N/A		
13	· ·	owland Fir	Size Class	Saplin	g Well		32 nopy Species		N/A Avg. Height	Size	
13	6123 - L	owland Fir		Saplin		Sub-Ca				Size Tall Shrub	
13	6123 - L	owland Fir	Size Class	Sapline DBI		Sub-Ca	nopy Species	Density	Avg. Height		



Stand	Level 4 Co	over Type	rer Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments					
15	6113 - Lov	vland Mapl	e Po	letimb	er Well	7.3	62	51-80	N/A		Heavy fir understory. There are a few scattered older aged red maples.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	5	Pole	7		Re	d Maple	Low	5 - 10 feet	Sapling	
	Quaking Aspen	5	Pole/Log	9		Ta	ng Alder	Low	5 - 10 feet	Tall Shrub	
	Red Maple	90	Pole/Log/Sap	8	62	Ва	Isam Fir	Full	10 - 20 feet	Sapling	
16	622 - Low	land Shrub) 1	Nonsto	cked	10.0	O Uı	nspecified	612 - Lowland C Fores		Stand was cut in the winter of 2015, part of Broken Snowshoe Softwoods. At the time of harvest acceptable regen was to include all conifer species but there were comments about paper birch, red maple and aspen being in the stand. Regen is coming but slowly due to it being a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred.
17	6139 - Mixed		orest Pole		Mediun Age		72	51-80 Density	N/A Avg. Height	Size	Tamarack is almost all dead. Stand is spalling with fairly low diameter, low quality red maple.
	Tamarack	5 Cover	Pole/Sapling	7 7	Age		d Maple	High	5 - 10 feet	Sapling	
	Paper Birch	5	Pole/Sapling	7			k Spruce	Medium	5 - 10 feet	Sapling	
	Black Spruce	35	Pole/Sapling	7			ng Alder	Medium	5 - 10 feet	Tall Shrub	
	Red Maple	50	Pole/Sapling	7	72		Isam Fir	Medium	5 - 10 feet	Sapling	
	Balsam Fir	5	Pole/Sapling	7						1 3	
18	6112 - Low	/land Aspe	n S	Sapling	Well	4.6	16 I	mmature	N/A		Cut winter of 07 Creighton River Mix Sale. Nice regen.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	55	Sapling	1	16	Ta	ng Alder	Low	5 - 10 feet	Tall Shrub	
	Balsam Fir	10	Sapling	1							
	Black Spruce	5	Sapling	1							
	White Pine	5	Sapling	1							
	Red Maple	25	Sapling	1							
19	42290 - Natu				Medium		83	1-50	N/A		Stand was part of Creighton River Mix Sale cut winter of 2007. It was slated to be scarified but later dropped due to the high residual. The
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	overstory is being featured at this point but there is decent regen
	White Pine	50	Log/XLog/Pole	16	83		ting Aspen	Medium	5 - 10 feet	Sapling	throughout. If adjacent stand is harvested consider removing most of toverstory on the north end of stand. South end has far less overstory.
	Red Pine	50	Log/XLog/Pole	16			Isam Fir	Medium	5 - 10 feet	Sapling	
							ng Alder	Low	5 - 10 feet	Tall Shrub	
							k Spruce	Medium	5 - 10 feet	Sapling	
							nite Pine	Medium	5 - 10 feet	Sapling	
						Re	d Maple	Medium	5 - 10 feet	Sapling	



Stand	Level 4 C	over Type	;	Size De	nsity	Acres Stand Age E		3A Range	Managed Site		General Comments
21	622 - Lov	wland Shrub)	Nonsto	cked	10.3	ι	Jnspecified	No		
22	4134 - Asp	en, Spruce/	Fir	Sapling	Well	3.6	16	Immature	N/A		Stand was part of Creighton River Mix, cut in winter of 2007. There is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	some residual overstory of white pine. West side of stand is a ridge and then drops into low ground as you go east.
	Quaking Aspen	25	Sapling	2	16	Ta	g Alder	Low	5 - 10 feet	Tall Shrub	then drops into low ground as you go east.
	Balsam Fir	10	Sapling	1				'			
	Black Spruce	10	Sapling	1							
	White Pine	10	Log/XLog	16	84						
	Bigtooth Aspen	15	Sapling	2							
	Red Maple	30	Sapling	2							
23	122 - Roa	d/Parking L	ot	Nonsto	cked	5.6	l	Jnspecified	No		M-28
24	622 - Lov	wland Shrub)	Nonsto	cked	9.7	0 ι	Jnspecified	612 - Lowland C Forest		Stand was cut in the winter of 2015, part of Broken Snowshoe Softwoods. At the time of harvest acceptable regen was to include all conifer species but there were comments about paper birch, red maple
											and aspen being in the stand. Regen is coming but slowly due to it being a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred.
26	42210 - Na	tural Red Pi	ine Sa	wtimber	Mediun	n 35.1	83	81-110	N/A		a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for
26	42210 - Na Canopy Species		ine Sa Size Class		Mediun Age		83 nopy Species		N/A Avg. Height	Size	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much
26				DBH		Sub-Car				Size Sapling	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for
26	Canopy Species	% Cover	Size Class	DBH		Sub-Car Rec	nopy Species	Density	Avg. Height		a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much heavier to white pine with maple/aspen understory. Bottom 2/3 mostly
26	Canopy Species White Pine	% Cover 30 5	Size Class Log/XLog/Pole	DBH 9 16		Sub-Car Rec Blac	nopy Species d Maple	Density Medium	Avg. Height 5 - 10 feet	Sapling	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much heavier to white pine with maple/aspen understory. Bottom 2/3 mostly red pine, some black spruce on west edge. Consider final harvest and
26	Canopy Species White Pine Black Spruce	% Cover 30 5	Size Class Log/XLog/Pole Pole	DBH 9 16	Age	Sub-Car Rec Blac Bal	nopy Species d Maple k Spruce	Medium Medium	Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Sapling	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much heavier to white pine with maple/aspen understory. Bottom 2/3 mostly red pine, some black spruce on west edge. Consider final harvest and
26	Canopy Species White Pine Black Spruce	% Cover 30 5	Size Class Log/XLog/Pole Pole	DBH 9 16	Age	Sub-Car Rec Blac Bal Quak	nopy Species d Maple k Spruce lsam Fir	Medium Medium Medium	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much heavier to white pine with maple/aspen understory. Bottom 2/3 mostly red pine, some black spruce on west edge. Consider final harvest and
	Canopy Species White Pine Black Spruce Red Pine	% Cover 30 5	Size Class Log/XLog/Pole Pole	DBH 9 16	Age 83	Sub-Car Rec Blac Bal Quak	nopy Species d Maple k Spruce sam Fir ing Aspen	Medium Medium Medium Medium Medium	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet	Sapling Sapling Sapling Sapling	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much heavier to white pine with maple/aspen understory. Bottom 2/3 mostly red pine, some black spruce on west edge. Consider final harvest and
27	Canopy Species White Pine Black Spruce Red Pine	% Cover 30 5 65 - Water	Size Class Log/XLog/Pole Pole Log/XLog/Pole	DBH 8 8 16 Nonsto	Age 83	Sub-Car Rec Blac Bal Quak Wh	nopy Species d Maple k Spruce sam Fir ing Aspen	Medium Medium Medium Medium Medium Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet < 5 feet	Sapling Sapling Sapling Sapling	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much heavier to white pine with maple/aspen understory. Bottom 2/3 mostly red pine, some black spruce on west edge. Consider final harvest and
27	Canopy Species White Pine Black Spruce Red Pine 500	% Cover 30 5 65 - Water	Size Class Log/XLog/Pole Pole Log/XLog/Pole	DBH 9 16 8 9 16 Nonsto	Age 83	Sub-Car Rec Blac Bal Quak Wh	nopy Species d Maple k Spruce sam Fir ing Aspen ite Pine	Medium Medium Medium Medium Low Medium Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet < 5 feet No	Sapling Sapling Sapling Sapling	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much heavier to white pine with maple/aspen understory. Bottom 2/3 mostly red pine, some black spruce on west edge. Consider final harvest and intensively manage for red pine.
27	Canopy Species White Pine Black Spruce Red Pine 500	% Cover 30 5 65 - Water	Size Class Log/XLog/Pole Pole Log/XLog/Pole	DBH 9 16 8 9 16 Nonsto	Age 83 cked	Sub-Car Rec Blac Bal Quak Wh 3.9 n 1.6 Sub-Car	nopy Species d Maple k Spruce sam Fir ing Aspen iite Pine	Medium Medium Medium Medium Low Medium Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet < 5 feet No	Sapling Sapling Sapling Sapling Sapling	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much heavier to white pine with maple/aspen understory. Bottom 2/3 mostly red pine, some black spruce on west edge. Consider final harvest and intensively manage for red pine.
27	Canopy Species White Pine Black Spruce Red Pine 500 6125 - Lowland Black Canopy Species	% Cover 30 5 65 - Water ack Spruce,	Size Class Log/XLog/Pole Pole Log/XLog/Pole Jack Pine Po	DBH 9 16 8 9 16 Nonsto	Age 83 cked	Sub-Car Rec Blac Bal Quak Wh 3.9 m 1.6 Sub-Car	nopy Species d Maple k Spruce sam Fir ing Aspen dite Pine	Medium Medium Medium Medium Low Jnspecified 1-50 Density	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet < 5 feet No N/A Avg. Height	Sapling Sapling Sapling Sapling Sapling Sapling	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much heavier to white pine with maple/aspen understory. Bottom 2/3 mostly red pine, some black spruce on west edge. Consider final harvest and intensively manage for red pine.
27	Canopy Species White Pine Black Spruce Red Pine 500 6125 - Lowland Bla Canopy Species Tamarack	% Cover	Size Class Log/XLog/Pole Pole Log/XLog/Pole Jack Pine Po Size Class Pole	DBH 9 16 8 9 16 Nonsto	Age 83 cked	Sub-Car Rec Blac Bal Quak Wh 3.9 n 1.6 Sub-Car Rec Blac	hopy Species d Maple k Spruce sam Fir ing Aspen iite Pine 46 hopy Species d Maple	Medium Medium Medium Medium Low Jnspecified 1-50 Density Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet < 5 feet No N/A Avg. Height 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much heavier to white pine with maple/aspen understory. Bottom 2/3 mostly red pine, some black spruce on west edge. Consider final harvest and intensively manage for red pine.
27	Canopy Species White Pine Black Spruce Red Pine 500 6125 - Lowland Bla Canopy Species Tamarack Red Pine	% Cover	Size Class Log/XLog/Pole Pole Log/XLog/Pole Jack Pine Po Size Class Pole Pole	DBH Part 16 Ronsto Nonsto DBH 7 7	83 Scked Medium	Sub-Car Rec Blac Bal Quak Wh 3.9 n 1.6 Sub-Car Rec Blac Jac	hopy Species d Maple k Spruce sam Fir ing Aspen iite Pine 46 hopy Species d Maple k Spruce	Medium Medium Medium Medium Low Jnspecified 1-50 Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet < 5 feet No N/A Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling	a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred. Stand was cut as part of Creighton River Mix Sale winter 2007. FTP for scarification was dropped due to high residual. Northern 3rd is much heavier to white pine with maple/aspen understory. Bottom 2/3 mostly red pine, some black spruce on west edge. Consider final harvest and intensively manage for red pine. Stand acts as a buffer from the Highway.



	Level 4 Co	Level 4 Cover Type Size Density		Acres Stand Ag	e BA Range	Managed \$	Site	General Comments		
29	500 -	- Water	1	Nonst	ocked	2.7	Unspecified	No		
30		vland Deciduous, Mixed Poletimber Medium 15.3 68 Coniferous		1-50	N/A		Lowland stand with small diameters. Northeast portion of stand sprawls into some ridges with bals knobs.			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	
	Paper Birch	15	Pole/Sapling	7		Balsam Fir	Full	5 - 10 feet	Sapling	
	Quaking Aspen	5	Pole/Sapling	7		Black Spruce	Low	5 - 10 feet	Sapling	
	Red Maple	50	Pole/Sapling	7	68	Red Maple	High	5 - 10 feet	Sapling	
	White Pine	10	XLog/Log	18		White Pine	Low	5 - 10 feet	Sapling	
	Black Spruce	20	Pole/Sapling	7		Tag Alder	Low	5 - 10 feet	Tall Shrub	
31	6229 - Mixed	l lowland sh	nrub f	Nonst	ocked	13.8 0	Unspecified	612 - Lowland C Fores		Stand was cut in the winter of 2015, part of Broken Snowshoe Softwoods. At the time of harvest acceptable regen was to include all conifer species but there were comments about paper birch, red maple and aspen being in the stand. Regen is coming but slowly due to it being a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred.
32	4191 - Mixed Upla Co	and Deciduo onifer	ous with Po	letimb	er Well	7.7 40	1-50	N/A		Northeast finger includes a bald knob surrounded by trees.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spec	cies Density	Avg. Height	Size	
	Black Spruce	5			<u> </u>					
	Jack Pine		Pole	6		Red Maple	Medium		Sapling	
		5	Pole Pole	6		Red Maple Black Spruce	Medium Low	5 - 10 feet 5 - 10 feet	Sapling Sapling	
	Quaking Aspen	30	Pole Pole/Sapling	6	40	Black Spruce Balsam Fir		5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	
	Paper Birch	30 15	Pole Pole/Sapling Pole/Sapling	6 6 6	40	Black Spruce	Low	5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling	
	Paper Birch White Pine	30 15 20	Pole Pole/Sapling Pole/Sapling XLog/Log/Pole	6 6 6 20		Black Spruce Balsam Fir	Low Low	5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	
	Paper Birch White Pine Red Maple	30 15 20 20	Pole Pole/Sapling Pole/Sapling XLog/Log/Pole Pole/Sapling	6 6 6 20 6	40	Black Spruce Balsam Fir	Low Low	5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	
	Paper Birch White Pine	30 15 20	Pole Pole/Sapling Pole/Sapling XLog/Log/Pole	6 6 6 20	40	Black Spruce Balsam Fir	Low Low	5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	
33	Paper Birch White Pine Red Maple Red Pine	30 15 20 20	Pole Pole/Sapling Pole/Sapling XLog/Log/Pole Pole/Sapling XLog/Log	6 6 6 20 6 18	40	Black Spruce Balsam Fir	Low Low	5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	
	Paper Birch White Pine Red Maple Red Pine	30 15 20 20 5 ack Spruce	Pole Pole/Sapling Pole/Sapling XLog/Log/Pole Pole/Sapling XLog/Log	6 6 6 20 6 18	40	Black Spruce Balsam Fir White Pine	Low Low Medium	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	
	Paper Birch White Pine Red Maple Red Pine 6122 - Bl	30 15 20 20 5	Pole Pole/Sapling Pole/Sapling XLog/Log/Pole Pole/Sapling XLog/Log	6 6 6 20 6 18	40 88 er Well	Black Spruce Balsam Fir White Pine	Low Low Medium	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A	Sapling Sapling Sapling Sapling	
	Paper Birch White Pine Red Maple Red Pine 6122 - Bl	30 15 20 20 5 ack Spruce	Pole Pole/Sapling Pole/Sapling XLog/Log/Pole Pole/Sapling XLog/Log Pole/Sapling XLog/Log	6 6 6 20 6 18	40 88 er Well	Black Spruce Balsam Fir White Pine 1.2 83 Sub-Canopy Specific Spruce Sub-Canopy Specific Spruce Black Spruce Black Spr	Low Low Medium 51-80 Cies Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A	Sapling Sapling Sapling Sapling Sapling	
	Paper Birch White Pine Red Maple Red Pine 6122 - Blace Canopy Species Red Maple	30 15 20 20 5 ack Spruce % Cover 30	Pole Pole/Sapling Pole/Sapling XLog/Log/Pole Pole/Sapling XLog/Log Pole/Sapling XLog/Log Pole	6 6 20 6 18 letimb	40 88 ser Well	Black Spruce Balsam Fir White Pine 1.2 83 Sub-Canopy Specific Spruce Sub-Canopy Specific Spruce Black Spruce Black Spr	Low Low Medium 51-80 Cies Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A	Sapling Sapling Sapling Sapling Sapling	
	Paper Birch White Pine Red Maple Red Pine 6122 - Blace Canopy Species Red Maple Black Spruce	30 15 20 20 5 ack Spruce % Cover 30 50	Pole Pole/Sapling Pole/Sapling XLog/Log/Pole Pole/Sapling XLog/Log Size Class Pole Pole	6 6 6 20 6 18 letimb	40 88 ser Well	Black Spruce Balsam Fir White Pine 1.2 83 Sub-Canopy Specific Spruce Sub-Canopy Specific Spruce Black Spruce Black Spr	Low Low Medium 51-80 Cies Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A	Sapling Sapling Sapling Sapling Sapling	
	Paper Birch White Pine Red Maple Red Pine 6122 - Black Canopy Species Red Maple Black Spruce White Pine	30 15 20 20 5 ack Spruce **Cover 30 50 10	Pole Pole/Sapling Pole/Sapling XLog/Log/Pole Pole/Sapling XLog/Log Size Class Pole Pole Log/Pole	6 6 6 20 6 18 DBH 8 7 12	40 88 ser Well	Black Spruce Balsam Fir White Pine 1.2 83 Sub-Canopy Specific Spruce Sub-Canopy Specific Spruce Black Spruce Black Spr	Low Low Medium 51-80 Cies Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A	Sapling Sapling Sapling Sapling Sapling	
	Paper Birch White Pine Red Maple Red Pine 6122 - Blace Canopy Species Red Maple Black Spruce White Pine Balsam Fir	30 15 20 20 5 ack Spruce % Cover 30 50 10 5	Pole Pole/Sapling Pole/Sapling XLog/Log/Pole Pole/Sapling XLog/Log Size Class Pole Pole Log/Pole Pole Pole	6 6 6 20 6 18 letimb 8 7 12 7	40 88 eer Well I Age	Black Spruce Balsam Fir White Pine 1.2 83 Sub-Canopy Specific Spruce Sub-Canopy Specific Spruce Black Spruce Black Spr	Low Low Medium 51-80 Cies Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A	Sapling Sapling Sapling Sapling Sapling	

rt 7 – Stands Compartment: 155
Year of Entry: 2021

DNR DICHIGAN

Stand Level 4 Cover Type Size Density Acres Stand Age BA Range **Managed Site General Comments** 2.2 429 - Mixed Upland Conifers Sawtimber Medium 94 51-80 N/A North end of stand is mature pine, transitions to immature aspen on the 36 south end. Solid black spruce on east edge. % Cover Size Class **Canopy Species DBH Age Sub-Canopy Species** Density Avg. Height Size 5 - 10 feet Black Spruce Balsam Fir Sapling Pole/Sapling Low White Pine 5 14 Loa White Pine Low 5 - 10 feet Sapling Red Maple 10 Pole 8 Serviceberry (Juneberry) Low 5 - 10 feet Tall Shrub 6 40 Quaking Aspen 10 Pole/Sapling Red Pine 50 Log/XLog/Pole 16 94 7 15 Paper Birch Pole 37 42290 - Natural Mixed Pine Sawtimber Poor 27 88 Unspecified N/A Stand consists mainly of a non-stocked ridge surrounded by trees. **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Size Density Avg. Height Red Pine 40 Log/XLog 16 88 Red Maple Low 5 - 10 feet Sapling Red Maple 10 Pole 8 10 Pole 7 Black Spruce 40 White Pine Log/XLog 16 6117 - Lowland Deciduous, Mixed Poletimber Medium 4.7 58 51-80 N/A 38 Coniferous **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size Black Spruce 20 Pole 6 Red Maple Medium 5 - 10 feet Sapling White Pine 5 XLog/Log 18 88 White Pine Low < 5 feet Sapling Quaking Aspen 5 Pole 7 Balsam Fir Medium 5 - 10 feet Sapling Balsam Fir 5 Pole 6 Black Spruce Medium 5 - 10 feet Sapling Paper Birch 20 7 5 - 10 feet Pole Tag Alder Medium Tall Shrub 45 7 Red Maple Pole 58 39 6130 - Fir, Aspen, Maple Sapling Medium 24.9 16 N/A Stand was cut in 2007 part of Creighton River Mix sale. Splitting stand **Immature** since northern portion has more residual. Mixture of ridges but regen is **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Avg. Height Size Density doing good overall. 2 16 5 - 10 feet Tall Shrub Red Maple 28 Sapling Tag Alder Low White Pine 8 Sapling 1 15 2 Balsam Fir Sapling White Pine 10 16 88 Loa/XLoa Black Spruce 10 2 Sapling Tamarack 5 Sapling 2 Red Pine 5 16 Loa/XLoa 2 Northern White Cedar Pole/Log 8

Bigtooth Aspen

17

2

Sapling



Stand	Level 4 Co	Level 4 Cover Type		Level 4 Cover Type		Level 4 Cover Type		Size De	nsity	Acres S	Stand Age	BA Range	Managed S	Site	General Comments
40	6229 - Mixed	l lowland s	hrub	Nonsto	cked	5.6	0	Unspecified	612 - Lowland C Fores		Stand was cut in the winter of 2015, part of Broken Snowshoe Softwoods. At the time of harvest acceptable regen was to include all conifer species but there were comments about paper birch, red maple and aspen being in the stand. Regen is nicely with lots of spruce, white pine, fir, tamarack and red maple. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred.				
41	42260 - Natural Pir	ne, Mixed I	Deciduous	Sawtimbe	er Poor	1.4	74	1-50	N/A		OPIC - FMD: Upland ridge featuring a few scattered pine & aspen over a mix of aspen regen and open grass.				
42	42260 - Natural Pir	ne, Mixed [Deciduous S	Sawtimber	Mediun	n 0.9	74	51-80	N/A		OPIC - FMD: Upland ridge featuring a few scattered pine & aspen over a mix of aspen regen and open grass.				
43	4133 - Aspe	en, Mixed F	Pine P	oletimber	Mediun	n 3.1	31	Immature	N/A						
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	py Specie	es Density	Avg. Height	Size					
	Quaking Aspen	40	Pole/Saplin	ig 5	31	Red	Maple	Low	5 - 10 feet	Sapling					
	Red Pine	10	Log/Pole	14				1	,		_				
	Black Spruce	10	Pole	5											
	White Pine	20	Log/Pole	14											
	Red Maple	20	Pole/Saplin	ig 6											
44	622 - Low	vland Shrul	b	Nonsto	cked	1.0		Unspecified	No		Creighton Marsh patterned fen				
45	4319 - Mixed			oletimber			36	1-50	N/A		There is a knob of mature aspen but the rest is immature.				
	Canopy Species		Size Class		Age		py Specie		Avg. Height	Size					
	Paper Birch	15	Pole/Saplin	-	0.0	Serviceber	• •	- /	5 - 10 feet	Sapling					
	Bigtooth Aspen	30	Pole	8	36		Spruce	Low	< 5 feet	Sapling					
	Tamarack	10	Pole	9			Alder	Low	5 - 10 feet	Tall Shruk					
	White Pine	5	Log/Pole			Whit	e Pine	Low	< 5 feet	Sapling					
	Red Maple	5	Pole	8	20										
	Red Pine	25	Log	14	68										
	Black Spruce	10	Pole/Saplin	ıa 6											



Stan	d Level 4 C	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		General Comments	MICHIGAN .							
46	4311 - Pin	e, Aspen M	lix Pole	etimber	Mediur	m 4.5	31	Immature	N/A		Stand is a ridge mainly with some bare areas and low ground	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	connections.	
	Jack Pine	5	Pole	6		Re	d Maple	Low	5 - 10 feet	Sapling		
	Paper Birch	15	Pole	6		Re	ed Pine	Low	5 - 10 feet	Sapling		
	Red Pine	25	Log/XLog/Pole	14	74	Servicebe	erry (Juneberry	/) Low	5 - 10 feet	Sapling		
	Quaking Aspen	30	Pole/Sapling	5	31	Wh	nite Pine	Low	5 - 10 feet	Sapling		
	White Pine	10	Log/Pole	10							_	
	Black Spruce	5	Pole/Sapling	5								
	Red Maple	10	Pole/Sapling	6								
47	4311 - Pin	e, Aspen M	lix Pole	etimber	Mediur	m 1.1	45	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Paper Birch	20	Pole/Sapling	5		Wh	nite Pine	Low	5 - 10 feet	Sapling		
	Quaking Aspen	30	Pole/Sapling	5	45	Blac	k Spruce	Low	5 - 10 feet	Sapling		
	Jack Pine	50	Pole	7	45	Servicebe	erry (Juneberry	/) Low	5 - 10 feet	Sapling		
48	4133 - Aspe	en, Mixed P	rine Po	oletimb	er Well	2.4	36	1-50	N/A		Stand is transitioning to poles nicely.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Jack Pine	5	Pole/Sapling	5		Servicebe	erry (Juneberry	/) Low	5 - 10 feet	Sapling		
	Quaking Aspen	25	Pole/Sapling	5	36	Wh	nite Pine	Low	5 - 10 feet	Sapling		
	Paper Birch	20	Pole/Sapling	5					-			
	Bigtooth Aspen	25	Pole/Sapling	5								
	Red Maple	10	Pole/Sapling	6								
	White Pine	15	Log/Pole	16								
49	330 - Low-I	Density Tre	ees	Nonsto	cked	7.3	0 ι	Jnspecified -	4319 - Mixed Upl	and Forest	Stand was cut in the winter of 2015, part of Raisins in the Muffin	
						Sub-Ca	nopy Species	Density	Avg. Height	Size	Stand is regenerating nicely but still non-stocked. Ground could upland or lowland. Full regeneration is expected but the stand s	
							d Maple	Medium	< 5 feet	Sapling	looked at next inventory cycle.	nould be
							lsam Fir	Medium	< 5 feet	Sapling	, , , , , , , , , , , , , , , , , , , ,	
50	500 -	- Water		Nonsto	cked	1.0	l	Jnspecified	No			
51	6229 - Mixed	l lowland st	hrub	Nonsto	cked	20.6	l	Jnspecified	No			



	42200 Note	ral Miyad I	ine Sawtimber Poor 1.4 41 51-80 N/A							
2	42290 - Natu		Size Class		Age				Size	1
	Canopy Species White Pine	40	Log/Pole	12	Age	Sub-Canopy Species Tag Alder	Density Low	Avg. Height 5 - 10 feet	Tall Shrub	
	Paper Birch	5	Pole/Sapling	6		White Pine	Medium	5 - 10 feet	Sapling	
	Red Maple	5	Pole/Sapling Pole/Sapling	6		Wille Fille	Medium	3 - 10 leet	Sapility	
	Red Pine	40	Log/Pole	10	41					
	Bigtooth Aspen	10	Pole/Sapling	5	41					
53	429 - Mixed U	Jpland Cor	nifers Pol	etimb	er Poo	2.2 78	1-50	N/A		Bald knob surrounded by trees.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Paper Birch	5	Pole	6		Serviceberry (Juneberry) Low	5 - 10 feet	Tall Shrub	
	Quaking Aspen	15	Pole/Sapling	5	36	White Pine	Low	5 - 10 feet	Sapling	
	Black Spruce	25	Pole	7		Black Spruce	Low	5 - 10 feet	Sapling	
	Tamarack	10	Pole	8		Red Pine	Low	5 - 10 feet	Sapling	
	Red Maple	10	Pole/Sapling	6					. 0	1
	Balsam Fir	5	Pole	6						
	Red Pine	30	Log	16	78					
4	42210 - Nat		Pine Saw		Mediu Age	m 2.5 94 Sub-Canopy Species	51-80 Density	N/A	C:]
	Canopy Species									
	Red Pine			_				Avg. Height	Size	
	Red Pine	60	XLog/Log/Pole	18	94	Tag Alder	Low	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	60 5	XLog/Log/Pole Pole/Sapling	18 6		Tag Alder White Pine	Low Medium	5 - 10 feet 5 - 10 feet	Tall Shrub Sapling	
	Bigtooth Aspen Red Maple	60 5 10	XLog/Log/Pole Pole/Sapling Pole	18 6 8	94	Tag Alder White Pine Red Maple	Low Medium Low	5 - 10 feet 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling Sapling	
	Bigtooth Aspen Red Maple Paper Birch	60 5 10 3	XLog/Log/Pole Pole/Sapling Pole Pole	18 6 8 6	94	Tag Alder White Pine	Low Medium	5 - 10 feet 5 - 10 feet	Tall Shrub Sapling	
	Bigtooth Aspen Red Maple Paper Birch Black Spruce	60 5 10 3 2	XLog/Log/Pole Pole/Sapling Pole Pole Pole	18 6 8 6 6	94	Tag Alder White Pine Red Maple	Low Medium Low	5 - 10 feet 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling Sapling	
55	Bigtooth Aspen Red Maple Paper Birch	60 5 10 3 2 20	XLog/Log/Pole Pole/Sapling Pole Pole Pole XLog/Log/Pole	18 6 8 6 6 18	94	Tag Alder White Pine Red Maple Red Pine	Low Medium Low	5 - 10 feet 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling Sapling	Powerline running through stand. Access would not lend itself to
55	Red Maple Paper Birch Black Spruce White Pine	60 5 10 3 2 20 Upland Fc	XLog/Log/Pole Pole/Sapling Pole Pole Pole XLog/Log/Pole	18 6 8 6 6 18	94 40	Tag Alder White Pine Red Maple Red Pine	Low Medium Low Low 81-110	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling Sapling	
55	Bigtooth Aspen Red Maple Paper Birch Black Spruce White Pine 4319 - Mixed	60 5 10 3 2 20 Upland Fc	XLog/Log/Pole Pole/Sapling Pole Pole Pole XLog/Log/Pole prest Sawl	18 6 8 6 6 18	94 40 Mediu	Tag Alder White Pine Red Maple Red Pine	Low Medium Low Low 81-110 Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Tall Shrut Sapling Sapling Sapling	Powerline running through stand. Access would not lend itself to intensive management.
555	Bigtooth Aspen Red Maple Paper Birch Black Spruce White Pine 4319 - Mixed Canopy Species	60 5 10 3 2 20 Upland Fo	XLog/Log/Pole Pole/Sapling Pole Pole Pole VLog/Log/Pole Porest Saw	18 6 8 6 6 18 timber	94 40 Mediu	Tag Alder White Pine Red Maple Red Pine m 11.8 100 Sub-Canopy Species	Low Medium Low Low 81-110 Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height	Tall Shrut Sapling Sapling Sapling	Powerline running through stand. Access would not lend itself to intensive management.
55	Bigtooth Aspen Red Maple Paper Birch Black Spruce White Pine 4319 - Mixed Canopy Species Tamarack	60 5 10 3 2 20 Upland Fo % Cover 5	XLog/Log/Pole Pole/Sapling Pole Pole Pole XLog/Log/Pole Orest Sawler Size Class Pole	18 6 8 6 6 18 timber 8	94 40 Mediu	Tag Alder White Pine Red Maple Red Pine m 11.8 100 Sub-Canopy Species Serviceberry (Juneberry	Low Medium Low Low 81-110 Density Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet	Tall Shrub Sapling Sapling Sapling Sapling Sapling	Powerline running through stand. Access would not lend itself to intensive management.
55	Bigtooth Aspen Red Maple Paper Birch Black Spruce White Pine 4319 - Mixed Canopy Species Tamarack Bigtooth Aspen	60 5 10 3 2 20 Upland Fo 5 5	XLog/Log/Pole Pole/Sapling Pole Pole Pole VLog/Log/Pole Size Class Pole Pole	18 6 8 6 6 18 timber DBH 8	94 40 Mediu	Tag Alder White Pine Red Maple Red Pine m 11.8 100 Sub-Canopy Species Serviceberry (Juneberry Red Maple	Low Medium Low Low 81-110 Density Low Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling Size Tall Shruk Sapling	Powerline running through stand. Access would not lend itself to intensive management.
55	Bigtooth Aspen Red Maple Paper Birch Black Spruce White Pine 4319 - Mixed Canopy Species Tamarack Bigtooth Aspen Paper Birch	60 5 10 3 2 20 Upland Fc % Cover 5 5 20	XLog/Log/Pole Pole/Sapling Pole Pole Pole XLog/Log/Pole Size Class Pole Pole Pole/Sapling	18 6 8 6 6 18 timbel 8 8 8	94 40 Mediu	Tag Alder White Pine Red Maple Red Pine m 11.8 100 Sub-Canopy Species Serviceberry (Juneberry Red Maple Balsam Fir	Low Medium Low Low 81-110 Density Low Low Low Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling Size Tall Shrut Sapling Sapling	Powerline running through stand. Access would not lend itself to intensive management.
55	Bigtooth Aspen Red Maple Paper Birch Black Spruce White Pine 4319 - Mixed Canopy Species Tamarack Bigtooth Aspen Paper Birch Red Pine	60 5 10 3 2 20 Upland Fo ** Cover 5 5 5 20 40	XLog/Log/Pole Pole/Sapling Pole Pole Pole XLog/Log/Pole Size Class Pole Pole Pole Pole Pole/Sapling Log/XLog/Pole	18 6 8 6 6 18 DBH 8 8 6 16	94 40 Mediu Age	Tag Alder White Pine Red Maple Red Pine m 11.8 100 Sub-Canopy Species Serviceberry (Juneberry Red Maple Balsam Fir	Low Medium Low Low 81-110 Density Low Low Low Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling Size Tall Shrut Sapling Sapling	Powerline running through stand. Access would not lend itself to intensive management.



Stand	Level 4 Co	over Type	;	Size Density	Acres Stand	I Age B	A Range	Managed S	Site	General Comments	AMICHIGAN .
58	122 - Road	d/Parking Lo	ot	Nonstocked	0.3	Ur	nspecified	No		Telephone substation	
59	622	1 - Fen		Nonstocked	1,129.9	Ur	nspecified	No		ERA - Creighton Marsh patterned fen	
60	6117 - Lowland Coni	Deciduous, iferous	Mixed Pol	letimber Mediu	ım 8.7 46	3	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy S	pecies	Density	Avg. Height	Size		
	Black Spruce	20	Pole/Sapling	6	Tag Alde	r	Medium	5 - 10 feet	Tall Shrub		
	White Pine	5	Pole/Sapling	6	<u>L</u>						
	Quaking Aspen	20	Pole/Sapling	5							
	Paper Birch	15	Pole/Sapling	5							
	Tamarack	10	Pole/Sapling	6							
	Red Maple	30	Pole/Sapling	6 46							
61	6124 - Lowla	and Spruce	-Fir S	apling Medium	n 10.0 23	3 li	mmature	N/A		Unit 1 of G4 Ducey Marsh Sale, cut winter 2001.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy S	pecies	Density	Avg. Height	Size		
	Tamarack	5	Sapling	2	Tag Alde	r	Low	5 - 10 feet	Tall Shrub		
	Black Spruce	30	Sapling	2 23	-						
	White Pine	20	Sapling	2							
	Balsam Fir	25	Sapling	2							
	Quaking Aspen	10	Sapling	2							
	Red Maple	10	Sapling	2							
62		- Water		Nonstocked	5.6		nspecified	No		ERA - Creighton Marsh patterned fen	
63		iferous		letimber Mediu			1-50	N/A		OPIC - FMD: A few stems are reaching merchantable size.	
	Canopy Species	% Cover		DBH Age	Sub-Canopy S	•	Density	Avg. Height	Size		
	Red Maple	30	Pole/Sapling	5	Black Spru		Low	5 - 10 feet	Sapling		
	Black Spruce	15	Pole/Sapling	5	Tag Alde		Medium	5 - 10 feet	Tall Shrub		
	Quaking Aspen	35	Pole/Sapling	5 46	Red Mapl		Medium	5 - 10 feet	Sapling		
	Paper Birch	15	Pole/Sapling	5	Balsam F	ir	Low	5 - 10 feet	Sapling		
	Jack Pine	5	Pole/Sapling	5							
64	500 -	- Water		Nonstocked	8.9	Ur	nspecified	No		ERA - Creighton Marsh patterned fen	
65	500 -	- Water		Nonstocked	5.4	Ur	nspecified	No		ERA - Creighton Marsh patterned fen	

Shingleton Mgt. Unit Report 7 - Stands



Stand	Level 4 Cover Type		ver Type Size Density		Acres Stand Age BA Range		Managed Site		General Comments		
66	6117 - Lowland Con	Deciduous, iferous	, Mixed Pole	timbe	r Mediun	n 4.9	46	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	
	Red Maple	25	Pole/Sapling	6	46	Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	Black Spruce	20	Pole/Sapling	6							
	Paper Birch	15	Pole/Sapling	5							
	Tamarack	10	Pole/Sapling	6							
	Bigtooth Aspen	25	Pole/Sapling	5							
	White Pine	5	Pole/Sapling	6							
67	6229 - Mixed	d lowland sh	hrub 1	Vonst	ocked	27.2	0 U	nspecified 6	13 - Lowland M	xed Forest	Sale was previously many small stands, all were cut in the winter of 2018
						Sub-Car	nopy Species	Density	Avg. Height	Size	and are now all lumped together. Regeneration is coming nicely and is expected to fully regenerate but the stand should be looked at next entry
							n White Cedar	Low	>20 feet	Pole	cycle to ensure that it indeed has.
						Wh	nite Pine	Low	>20 feet	Log	
						Re	ed Maple	Medium	10 - 20 feet	Sapling	
						Pap	per Birch	Low	10 - 20 feet	Sapling	
68	622 - Lov	wland Shrub	1 c	Nonst	ocked	5.7	U	nspecified	No		
69	4191 - Mixed Upla Co	and Decidu	ous with Pole	timbe	r Mediun	m 4.2	46	1-50	N/A		
69	4191 - Mixed Upla Cc Canopy Species	and Decidu onifer % Cover	ous with Pole	timbe		n 4.2 Sub-Car	46	1-50 Density	N/A	Size	
69	4191 - Mixed Upla Co Canopy Species Bigtooth Aspen	and Decidu onifer % Cover	ous with Pole Size Class Pole/Sapling	timbe DBH	r Mediun	n 4.2 Sub-Ca i Ta	46 nopy Species	1-50 Density Medium	N/A Avg. Height 5 - 10 feet	Tall Shrub	
69	4191 - Mixed Upla Co Canopy Species Bigtooth Aspen Red Maple	and Decidurentifer % Cover 30 30	ous with Pole Size Class Pole/Sapling Pole/Sapling	timbe DBH 5 5	r Mediun	m 4.2 Sub-Car Ta	46 nopy Species ag Alder ck Spruce	1-50 Density Medium Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet	Tall Shrub	
69	4191 - Mixed Upla Co Canopy Species Bigtooth Aspen Red Maple Black Spruce	and Deciduonifer **Cover* 30 30 15	ous with Pole Size Class Pole/Sapling Pole/Sapling Pole/Sapling	DBH 5 5 5 5	r Mediun	n 4.2 Sub-Car Ta Blac Re	46 nopy Species ag Alder ck Spruce ad Maple	1-50 Density Medium Low Medium	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling Sapling	
69	4191 - Mixed Upla Co Canopy Species Bigtooth Aspen Red Maple	and Decidurentifer % Cover 30 30	ous with Pole Size Class Pole/Sapling Pole/Sapling	timbe DBH 5 5	r Mediun	n 4.2 Sub-Car Ta Blac Re	46 nopy Species ag Alder ck Spruce	1-50 Density Medium Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet	Tall Shrub	
69	4191 - Mixed Upla Cc Canopy Species Bigtooth Aspen Red Maple Black Spruce Jack Pine	and Deciduonifer % Cover 30 30 15 5 20	ous with Pole Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling	5 5 5 5	r Mediun	n 4.2 Sub-Car Ta Blac Re	46 nopy Species ag Alder ck Spruce ad Maple	1-50 Density Medium Low Medium	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling Sapling	Jack pine likely originated from the Seney fire. Some of the finges are
70	4191 - Mixed Upla Cc Canopy Species Bigtooth Aspen Red Maple Black Spruce Jack Pine Paper Birch	and Decidurentier **Cover* 30 30 15 5 20 and Jack P	ous with Pole Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling	5 5 5 5 5 letimb	r Medium	Sub-Car Ta Blac Re- Bal	46 nopy Species ag Alder ck Spruce ad Maple alsam Fir	1-50 Density Medium Low Medium Low 51-80	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A	Tall Shrub Sapling Sapling	
70	4191 - Mixed Upla Cc Canopy Species Bigtooth Aspen Red Maple Black Spruce Jack Pine Paper Birch	and Deciduonifer % Cover 30 30 15 5 20	ous with Pole Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling	5 5 5 5 5 letimb	r Medium	sub-Car Ta Blac Re Bal 3.9	46 nopy Species ag Alder ck Spruce ed Maple	1-50 Density Medium Low Medium Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling Sapling Sapling	Jack pine likely originated from the Seney fire. Some of the finges are dying from water stress.
70	4191 - Mixed Upla Co Canopy Species Bigtooth Aspen Red Maple Black Spruce Jack Pine Paper Birch 6126 - Lowl	and Deciduonifer % Cover 30 30 15 5 20 land Jack P	ous with Pole Size Class Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Sapling	DBH 5 5 5 5 5 5 S S S S S S S S S S S S S	r Medium	n 4.2 Sub-Cai Ta Blac Rei Bal 3.9 Sub-Cai	46 nopy Species ag Alder ck Spruce ad Maple alsam Fir 47 nopy Species	1-50 Density Medium Low Medium Low 51-80 Density	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet N/A Avg. Height	Tall Shrub Sapling Sapling Sapling	Jack pine likely originated from the Seney fire. Some of the finges are dying from water stress.
70	4191 - Mixed Upla Cc Canopy Species Bigtooth Aspen Red Maple Black Spruce Jack Pine Paper Birch 6126 - Lowl Canopy Species Black Spruce Jack Pine	and Deciduonifer % Cover 30 30 15 5 20 land Jack P % Cover 10	ous with Pole Size Class Pole/Sapling	5 5 5 5 5 Dletimb	r Medium 46 46 er Well Age 47	n 4.2 Sub-Cai Ta Blac Rei Bal 3.9 Sub-Cai	46 nopy Species ag Alder ck Spruce ed Maple elsam Fir 47 nopy Species ag Alder amarack	1-50 Density Medium Low Medium Low 51-80 Density Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 7 - 10 feet N/A Avg. Height 5 - 10 feet	Tall Shrub Sapling Sapling Sapling Sapling	Jack pine likely originated from the Seney fire. Some of the finges are dying from water stress.



Stand	Level 4 Co	over Type		Size De	nsity	Acres Stand	Age BA	Range	Managed S	Site	General Comments	MICHIGAN
73	6126 - Lowla	and Jack P	ine I	Poletimb	er Well	6.3 46		51-80	N/A		Likely origins of the Seney fire. The edges are getting water stres	ssed.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Sp	ecies	Density	Avg. Height	Size		
	Tamarack	5	Pole/Sapling	5		Tamarack		Low	5 - 10 feet	Sapling		
	Jack Pine	95	Pole/Sapling	9 6	46	Black Spruce	Э	Low	5 - 10 feet	Sapling		
						Paper Birch		Low	5 - 10 feet	Sapling		
						Tag Alder		High	5 - 10 feet	Tall Shrub		
74	500 -	Water		Nonsto	ocked	4.4	Un	specified	No		Pond - size varies considerably throughout the seasons	
75	6112 - Lov	vland Aspe	en	Sapling	g Well	18.7 22	Im	nmature	N/A		Part of G4 Ducey Marsh Sale, cut winter 2001.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Sp	ecies	Density	Avg. Height	Size		
	White Pine	5	Sapling	2		Tag Alder		Low	5 - 10 feet	Tall Shrub		
	Balsam Fir	30	Sapling	2								
	Black Spruce	5	Sapling	2								
	Red Maple	20	Sapling	2								
	Quaking Aspen	40	Sapling	2	22							
76	42210 - Nat			awtimber				51-80	N/A		Stand has several bald knobs.	
	Canopy Species		Size Class		l Age	Sub-Canopy Sp		Density	Avg. Height	Size		
	White Pine	20	XLog/Log	20		White Pine		High	10 - 20 feet	Sapling		
	Jack Pine	10	Pole/Log	8		Jack Pine		Medium	10 - 20 feet	Sapling		
	Red Pine	70	XLog/Log	18	113	Paper Birch		Low	10 - 20 feet	Sapling		
						Bigtooth Aspe	en	Medium	10 - 20 feet	Sapling		
						Red Maple		Medium	10 - 20 feet	Sapling		
						Black Spruce	9	Low	10 - 20 feet	Sapling		
						Red Pine		Low	5 - 10 feet	Sapling		
77	6128 - Lowland (Deci	Coniferous, duous	, Mixed F	Poletimb	er Poor	5.7 88	Un	specified	N/A		ERA - Creighton Marsh patterned fen	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Sp	ecies	Density	Avg. Height	Size		
No	rthern White Cedar	25	Pole	8		Tag Alder		High	5 - 10 feet	Tall Shrub		
	Tamarack	25	Pole	7								
	Red Maple	25	Pole	8								
	Black Spruce	25	Pole	7	88							
78	500 -	Water		Nonsto	ocked	4.8	Un	specified	No		ERA - Creighton Marsh patterned fen	



Stanc	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	BA Range	Managed	Site	General Comments
80	42290 - Natu	ıral Mixed F	Pine S	awtimb	er Poor	3.2	88	1-50	N/A		Stand was has several bald knobs.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Paper Birch	10	Pole	8		Re	d Maple	Low	5 - 10 feet	Sapling	
	Red Maple	10	Pole	8		Servicebe	rry (Juneberry)) Low	5 - 10 feet	Sapling	
	Quaking Aspen	5	Pole	7		Wh	nite Pine	Low	< 5 feet	Sapling	
	Red Pine	40	Log/Pole/XLog	16	88						•
	White Pine	10	Log/Pole	16							
	Jack Pine	20	Pole	8							
	Tamarack	5	Pole	6							
81	6122 - BI	ack Spruce	S	apling l	Medium	15.7	22	Immature	N/A		Stand cut winter 2001 G4 Ducey Marsh Sale.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Tamarack	2	Sapling	2		Та	ıg Alder	Medium	5 - 10 feet	Tall Shrub	
	White Pine	8	Sapling	3						,	•
	Balsam Fir	10	Sapling	2							
	Quaking Aspen	10	Sapling	3							
	Black Spruce	55	Sapling/Pole	4	22						
	Red Maple	15	Sapling	2							
82	6139 - Mixed	Lowland Fo	orest	Saplin	g Well	3.2	22	Immature	N/A		Part of g4 Ducey Marsh Sale
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	10	Sapling	3		Ta	ıg Alder	Medium	5 - 10 feet	Tall Shrub	
	Black Spruce	35	Sapling	3						,	•
	Quaking Aspen	35	Sapling/Pole	4	22						
	White Pine	5	Sapling/Pole	3							
	Red Maple	10	Sapling	3							
	Paper Birch	5	Sapling/Pole	3							
83	500 -	- Water		Nonst	ocked	16.3	U	Inspecified	No		Pond/frequently flooded area - size varies significantly throughout the seasons.
84	6120 - Lov	wland Ceda	ır P	oletimb	er Well	4.1	86	51-80	N/A		Stand was originally part of contract 41-008-11-01 Raisins in the Muffi
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	2.0. This portion of the sale was not cut because cedar was a no cut species and it was in-operable.
	Red Maple	10	Pole	6		Bal	lsam Fir	Medium	Variable	Sapling	
	White Pine	10	Log/Pole	10		Та	ig Alder	Medium	5 - 10 feet	Tall Shrub	
No	orthern White Cedar	70	Pole	8	86			,			•
	Paper Birch	10	Pole	6							
85	500 -	- Water		Nonst	ocked	13.2	U	Inspecified	No		Pond/frequently flooded area - size varies significantly throughout the seasons.



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Site		General Comments
86	6117 - Lowland Con	Deciduous, iferous	Mixed F	Poletimb	er Well	10.3	46	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	35	Pole/Sapling	6	46	Ta	ag Alder	High	5 - 10 feet	Tall Shrub	
	Paper Birch	20	Pole/Sapling	6		Re	d Maple	Medium	5 - 10 feet	Sapling	
	Black Spruce	10	Pole/Sapling	6		Ta	ımarack	Low	5 - 10 feet	Sapling	
No	orthern White Cedar	5	Pole	8		Blad	k Spruce	Low	5 - 10 feet	Sapling	
	Jack Pine	15	Pole/Sapling	6							
	Red Maple	15	Pole/Sapling	6							
87	6139 - Mixed	Lowland Fo	orest F	Poletimb	er Well	3.7	92	51-80	N/A		
88	6122 - Bl	lack Spruce	· F	Poletimb	er Well	6.8	92	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	85	Pole	9	92		ck Spruce	Medium	Variable	Sapling	
	White Pine	15	Log/Pole	12		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	
						Re	d Maple	Low	10 - 20 feet	Sapling	
89	6122 - Bl	lack Spruce	· F	Poletimb		20.8	85	81-110	N/A		Could call stand 2 aged due to conditions that likely were triggered by the Seney Fire which established the aspen and fir on the edge of stand.
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Seriey Fire which established the aspen and ill on the edge of stand.
	Quaking Aspen	10	Pole/Sapling	7		Ва	Isam Fir	Medium	Variable	Sapling	
	Red Maple	10	Pole/Log	9		Blac	ck Spruce	Medium	Variable	Sapling	
	Paper Birch	10	Pole	8		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	White Pine	15	Log/Pole	16							
1	Black Spruce	55	Pole	9	85						
90	6117 - Lowland Con	Deciduous, iferous	Mixed F	Poletimb	er Well	6.9	186	81-110	N/A		Part of ERA - Creighton Marsh patterned fen
91	500	- Water		Nonsto	cked	4.4	Į	Jnspecified	No		Pond/seasonally flooded marshland - water level varies seasonally.
			ino r	Calatimb	er Well	1.8	46	1-50	N/A		Part of ERA - Creighton Marsh patterned fen
92	6126 - Lowl	and Jack P	ille F								
92	6126 - Lowl		Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
92							nopy Species marack	Density Low	Avg. Height 5 - 10 feet	Size Sapling	



Stand	Level 4 Co	over Type	;	Size De	ensity	Acres Sta	and Age BA	A Range	Managed S	Site	General Comments
93	6139 - Mixed	Lowland Fo	orest P	oletimb	er Well	8.7	92	51-80	N/A		
C	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canop	y Species	Density	Avg. Height	Size	
North	nern White Cedar	5	Pole	8		Black S	pruce	Medium	Variable	Sapling	
	Tamarack	5	Pole	9		Tag A	lder	Medium	5 - 10 feet	Tall Shrub	
	Red Maple	20	Pole	9		Red M	laple	Medium	10 - 20 feet	Sapling	
	Paper Birch	15	Pole	8		Balsar	n Fir	Medium	Variable	Sapling	
Q	uaking Aspen	10	Pole	8							
E	Black Spruce	40	Pole	9	92						
	White Pine	5	Log	10							
94	500 -	Water		Nonst	ocked	2.2	Ur	nspecified	No		Pond/seasonally flooded marshland - water level varies seasonally.
95	6221	- Fen		Nonst	ocked	17.4	Ur	nspecified	No		ERA - Creighton Marsh patterned fen
96	6117 - Lowland [Coni	Deciduous, ferous	Mixed P	oletimb	er Well	11.3	22	1-50	N/A		Stand was mostly cut in winter of 2001 with G4 Ducey Marsh Sale. There is a chunk in the middle that was not harvested for some reason.
C	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canop	y Species	Density	Avg. Height	Size	
North	nern White Cedar	5	Pole	7		Red M	laple	Low	5 - 10 feet	Sapling	
	Red Maple	20	Sapling/Pole	4		Tag A	lder	Medium	5 - 10 feet	Tall Shrub	
	Paper Birch	15	Sapling/Pole	3		Balsar	n Fir	Low	Variable	Sapling	
E	Black Spruce	15	Pole	8	66						
Q	uaking Aspen	20	Pole/Sapling	5	22						
	Balsam Fir	20	Sapling/Pole	3							
D.				3							
В	igtooth Aspen	5	Sapling/Pole	4							
98	6117 - Lowland [5	Sapling/Pole	4	r Mediur	n 3.1	76	1-50	N/A		Part of ERA - Creighton Marsh patterned fen
	6117 - Lowland I Coni 6128 - Lowland (5 Deciduous, ferous	Sapling/Pole Mixed Pol	4 etimbe	r Mediur	n 3.1	76	1-50 51-80	N/A		Part of ERA - Creighton Marsh patterned fen Stand is 2 aged possibly caused by the Seney Fire.
98	6117 - Lowland I Coni 6128 - Lowland (Deciduous, ferous Coniferous, duous	Sapling/Pole Mixed Pol	etimbe			46			Size	
98	6117 - Lowland I Coni 6128 - Lowland O Deci	Deciduous, ferous Coniferous, duous	Sapling/Pole Mixed Pol Mixed P	etimbe	er Well	7.2	46 by Species	51-80	N/A	Size Tall Shrub	Stand is 2 aged possibly caused by the Seney Fire.
98 100	6117 - Lowland I Coni 6128 - Lowland (Deci Canopy Species	5 Deciduous, ferous Coniferous, duous % Cover	Sapling/Pole Mixed Pol Mixed P	etimbe	er Well	7.2 Sub-Canop	46 by Species Alder	51-80 Density	N/A Avg. Height		Stand is 2 aged possibly caused by the Seney Fire.
98 100	6117 - Lowland I Coni 6128 - Lowland O Deci Canopy Species Red Maple	Deciduous, ferous Coniferous, duous Cover	Mixed Pole Mixed Pole Mixed P Size Class Pole/Sapling	etimbe	er Well Age 46	7.2 Sub-Canop	46 by Species Alder Maple	51-80 Density Full	N/A Avg. Height 5 - 10 feet	Tall Shrub	Stand is 2 aged possibly caused by the Seney Fire.
98 100 C	6117 - Lowland I Coni 6128 - Lowland O Deci Canopy Species Red Maple White Pine	Deciduous, ferous Coniferous, duous Cover 30 25	Mixed Pole Mixed P Size Class Pole/Sapling Log/Pole	etimbe	er Well Age 46	7.2 Sub-Canop Tag A Red M	46 Dy Species Alder Maple hite Cedar	51-80 Density Full Medium	N/A Avg. Height 5 - 10 feet 5 - 10 feet	Tall Shrub Sapling	Stand is 2 aged possibly caused by the Seney Fire.
98 100 C	6117 - Lowland Conii 6128 - Lowland Conie Canopy Species Red Maple White Pine mern White Cedar	Deciduous, ferous Coniferous, duous **Cover* 30 25 15	Mixed Pole Mixed Pole Mixed Pole Size Class Pole/Sapling Log/Pole Pole	oletimbe DBH 6 10 8	er Well Age 46	7.2 Sub-Canop Tag A Red M Northern Wi	46 Dy Species Alder Maple hite Cedar	51-80 Density Full Medium Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet < 5 feet	Tall Shrub Sapling Sapling	Stand is 2 aged possibly caused by the Seney Fire.



Stand	Level 4 Co	over Type	Si	ize De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
101	6128 - Lowland (Deci	Coniferous duous	, Mixed Pole	timbe	r Mediun	n 8.8	102	51-80	N/A		There are a couple nice patches of spruce but the rest of the stand is poor quality. Fringes of stand fan out to low density trees.
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Tamarack	20	Pole/Sapling	7		Та	ng Alder	High	5 - 10 feet	Tall Shrub	
	White Pine	20	Log/XLog/Pole	16		Blac	k Spruce	Medium	5 - 10 feet	Sapling	
	Red Maple	10	Pole	6		Pap	per Birch	Medium	10 - 20 feet	Sapling	
	Paper Birch	8	Pole	6		Ta	marack	Medium	5 - 10 feet	Sapling	
Nor	rthern White Cedar	20	Pole	8	102						
	Black Spruce	20	Pole/Sapling	7							
	Quaking Aspen	2	Pole	8							
103	6128 - Lowland (Deci	Coniferous duous	, Mixed Po	letimb	per Well	3.7	102	51-80	N/A		Cedar is very nice where it is close to the river.
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Paper Birch	5	Pole	6		Та	ng Alder	High	5 - 10 feet	Tall Shrub	
	Tamarack	10	Pole	8		Bal	lsam Fir	Low	5 - 10 feet	Sapling	
Nor	rthern White Cedar	30	Pole/Log	9	102	Ta	marack	Low	5 - 10 feet	Sapling	
	White Pine	10	Log/Pole/XLog	16		Re	d Maple	Low	5 - 10 feet	Sapling	
	Black Spruce	15	Pole	7							
	Red Maple	30	Pole/Log	8							
104	6128 - Lowland 0 Deci	Coniferous duous	, Mixed Po		per Well	7.0		81-110	N/A		Nice stand especially adjacent river.
	Canopy Species		Size Class	_	H Age		nopy Species	Density	Avg. Height	Size	
Nor	rthern White Cedar	45	Pole/Log	9	102		ng Alder	High	5 - 10 feet	Tall Shrub	
	Tamarack	15	Pole/Log	9			White Cedar	Low	5 - 10 feet	Sapling	
	Red Maple	10	Log/Pole	10		Ta	marack	Medium	L 10 t+		
	Danas Disala							Medium	5 - 10 feet	Sapling	
	Paper Birch	5	Log/Pole	10				Medium	5 - 10 leet	Sapling	
	Black Ash	5	Pole	10				Wediuiii	5 - 10 leet	Sapling	
	<u>'</u>	5		10 6 10				Medium	5 - 10 feet	Sapling	
	Black Ash	5	Pole	10				Medium	5 - 10 feet	Sapling	
105	Black Ash White Pine Black Spruce 6128 - Lowland 0	5 5 15	Pole Log/Pole Pole	10 6 10 8	r Mediun		80	1-50	N/A	Sapling	
105	Black Ash White Pine Black Spruce 6128 - Lowland 0	5 5 15 Coniferous duous	Pole Log/Pole Pole	10 6 10 8	r Mediun	n 1.5				Sapling	
105	Black Ash White Pine Black Spruce 6128 - Lowland C	5 5 15 Coniferous duous	Pole Log/Pole Pole , Mixed Pole	10 6 10 8		n 1.5 Sub-Ca i	80	1-50	N/A		
	Black Ash White Pine Black Spruce 6128 - Lowland C Deci Canopy Species	5 5 15 Coniferous duous Cover	Pole Log/Pole Pole , Mixed Pole Size Class	10 6 10 8 timbe		n 1.5 Sub-Ca i Ta	80 nopy Species	1-50 Density	N/A Avg. Height	Size	
	Black Ash White Pine Black Spruce 6128 - Lowland C Deci Canopy Species Tamarack	5 5 15 Coniferous duous **Cover	Pole Log/Pole Pole , Mixed Pole Size Class Pole	10 6 10 8 ttimbe		n 1.5 Sub-Ca i Ta	80 nopy Species ag Alder	1-50 Density High	N/A Avg. Height 5 - 10 feet	Size Tall Shrub	
	Black Ash White Pine Black Spruce 6128 - Lowland O Deci Canopy Species Tamarack rthern White Cedar	5 5 15 Coniferous duous Cover 10 15	Pole Log/Pole Pole , Mixed Pole Size Class Pole Pole	10 6 10 8 timbe		n 1.5 Sub-Ca i Ta	80 nopy Species ag Alder	1-50 Density High	N/A Avg. Height 5 - 10 feet	Size Tall Shrub	



Stand	Level 4 C	over Type	S	Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments	MICH
106	6128 - Lowland Dec	Coniferous	, Mixed Pol	etimbe	r Medium	2.1	80	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Species	Density	Avg. Height	Size		
	White Pine	10	Log/Pole	14		Re	ed Maple	Low	5 - 10 feet	Sapling		
No	rthern White Cedar	15	Pole	8		T	ag Alder	High	5 - 10 feet	Tall Shrub		
	Red Maple	20	Pole	8					1	1		
	Tamarack	10	Pole	7								
	Balsam Fir	5	Pole	8								
	Paper Birch	5	Pole	7								
	Black Spruce	35	Pole	7	80							
07	4134 - Aspe	en, Spruce	/Fir	Saplin	g Well	64.6	28	mmature	N/A		Part of East Creighton Sale.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Species	Density	Avg. Height	Size		
	Jack Pine	10	Sapling/Pole	3		Ва	alsam Fir	Low	< 5 feet	Sapling		
	Red Maple	10	Sapling/Pole	3		Pi	in Cherry	Low	< 5 feet	Tall Shrub		
	Black Spruce	2	Sapling	2					1			
	Balsam Fir	20	Sapling/Pole	3								
	White Pine	5	Sapling/Pole	3								
	Quaking Aspen	46	Sapling/Pole	3	28							
	Paper Birch	5	Sapling/Pole	2								
	Tamarack	2	Sapling/Pole	2								
80	500 -	- Water		Nonst	ocked	10.1	U	nspecified	No		ERA - Creighton Marsh patterned fen Pond - water level fluctuates seasonally	
09	6127 - Lo	owland Pine	e Sav	wtimbe	r Medium	1.7	94	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Species	Density	Avg. Height	Size		
No	rthern White Cedar	5	Pole	8		Bla	ck Spruce	Medium	5 - 10 feet	Sapling		
	Red Maple	15	Pole	9		Re	ed Maple	Low	5 - 10 feet	Sapling		
	Red Pine	30	Log/Pole	16		T	ag Alder	Medium	5 - 10 feet	Tall Shrub		
	Black Spruce	10	Pole	8				1	1	1	ı	
	White Pine	40	Log/XLog/Pole	16	94							



tand	nd Level 4 Cover Type Size Density A					Acres	Stand Age I	BA Range	Managed \$	Site	General Comments		
111	6139 - Mixed	Lowland F	orest P	oletimb	er Well	3.4	46	51-80	N/A				
Can	opy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	Density	Avg. Height	Size			
Quak	king Aspen	10	Pole/Sapling	5		Bal	sam Fir	Medium	5 - 10 feet	Sapling			
Re	ed Maple	20	Pole/Sapling	5	46	Tag	g Alder	Medium	5 - 10 feet	Tall Shrub			
Northerr	n White Cedar	15	Pole	8		Red	d Maple	Medium	5 - 10 feet	Sapling			
Ва	ılsam Fir	5	Sapling/Pole	4							-		
WI	hite Pine	5	Log	16									
Pa	per Birch	20	Sapling/Pole	4									
Blad	ck Spruce	20	Pole/Sapling	7									
Ta	amarack	5	Pole	8									
112	500 -	- Water		Nonsto	ocked	0.9	l	Jnspecified	No		ERA - Creighton Marsh patterned fen Pond/seasonally flooded marsh - water level varies significantly.		
14 6	6117 - Lowland I Coni	Deciduous iferous	, Mixed Po	oletimb	er Well	3.6	46	1-50	N/A				
Can	opy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	Density	Avg. Height	Size			
Ta	amarack	5	Pole/Sapling	7		Tag	g Alder	Medium	5 - 10 feet	Tall Shrub			
Ва	ılsam Fir	10	Pole/Sapling	5		Red	d Maple	Medium	5 - 10 feet	Sapling			
WI	hite Pine	5	Log	16		Bal	sam Fir	Low	5 - 10 feet	Sapling			
Pa	per Birch	25	Sapling/Pole	4				'					
Northerr	n White Cedar	10	Pole	8									
Re	ed Maple	30	Pole/Sapling	6	46								
Quak	king Aspen	10	Pole/Sapling	5									
Blad	ck Spruce	5	Pole	7									
15	500 -	- Water		Nonsto	ocked	6.5	l	Jnspecified	No		Creighton Marsh patterned fen Pond/seasonally flooded marsh - water level varies significantly.		
		Coniferous iduous	, Mixed Pol		Mediu		73	51-80	N/A				
	opy Species		Size Class		l Age		opy Species		Avg. Height	Size			
WI	hite Pine	25	Log/XLog/Pole	16			k Spruce	Medium	5 - 10 feet	Sapling			
Та	amarack	5	Pole	8			White Cedar	Low	5 - 10 feet	Sapling			
Northerr	n White Cedar	15	Pole	8		Tag	g Alder	Medium	5 - 10 feet	Tall Shrub			
Pa	per Birch	10	Pole	8		Red	d Maple	Medium	5 - 10 feet	Sapling			
Re	ed Maple	20	Pole/Sapling	7			<u> </u>						
Blad	ck Spruce	25	Pole	7	73								
18	6224 - 1	Гreed Bog		Nonsto	ocked	13.6	l	Jnspecified	No		Mix of very slow-growing conifers and lowland brush/marsh/bog. Site indices are too low for commercial timber management.		



Stand	Level 4 Co		Size Density		Acres	Stand Age B	A Range	Managed \$	Site	General Comments				
119		4191 - Mixed Upland Deciduous with Conifer				35.6	8	1-50	N/A		Stand was cut in the winter of 2011 as part of Broken Snowshoe Softwood. The residual overstory that was left is still healthy but the			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	understory is being featured, regen is mainly red maple and aspen by numbers but there is a lot of spruce, fir and pine that is regenerating			
	Red Maple	50	Sapling	1	8	Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	will become part of the canopy. There was a 2 acre stand on the east			
	Quaking Aspen	15	Sapling	1						•	side that was previously its own stand but is being lumped in.			
	Red Pine	5	Log/XLog	16										
	White Pine	25	Log/XLog	16	94									
120	42200 - Natu	ıral White F	Pine Sav	wtimber	Medium	31.6	88	51-80	N/A		Stand was cut in 2007 part of Creighton River Mix sale. Splitting stand			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	since northern portion has more residual. Mixture of ridges but regen is doing good overall.			
	White Pine	65	Log/XLog	16	88	Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	doing good overail.			
	Red Pine	33	Log/XLog	16		Re	d Maple	High	5 - 10 feet	Sapling				
No	rthern White Cedar	2	Pole/Log	8		Bal	lsam Fir	Medium	5 - 10 feet	Sapling				
						Blac	ck Spruce	Low	5 - 10 feet	Sapling				
						Wh	nite Pine	Medium	< 5 feet	Sapling				
						Quak	ring Aspen	Medium	5 - 10 feet	Sapling				
						Quan	ang 7 topon	1110 01101111						
121	6113 - Lov	wland Mapl	le P	oletimbe	er Well	3.7	78	51-80	N/A					
121	6113 - Lov		le P	oletimbe		3.7			N/A Avg. Height	Size				
121						3.7 Sub-Car	78	51-80		Size Sapling				
121	Canopy Species	% Cover	Size Class	DBH		3.7 Sub-Car	78	51-80 Density	Avg. Height	1				
121	Canopy Species Balsam Fir	% Cover	Size Class Pole	DBH		3.7 Sub-Car Bal Re	78 nopy Species Isam Fir	51-80 Density High	Avg. Height 5 - 10 feet	Sapling				
	Canopy Species Balsam Fir Black Spruce	% Cover 5 10	Size Class Pole Pole	DBH 7 7		3.7 Sub-Car Bal Re	78 nopy Species Isam Fir	51-80 Density High Medium	Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Sapling				
	Canopy Species Balsam Fir Black Spruce Paper Birch	% Cover 5 10 10	Size Class Pole Pole Pole	7 7 9 9		3.7 Sub-Car Bal Re	78 nopy Species Isam Fir	51-80 Density High Medium	Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Sapling				
	Canopy Species Balsam Fir Black Spruce Paper Birch Quaking Aspen	% Cover 5 10 10 10 65	Pole Pole Pole Pole/Log Pole/Log/Sap	7 7 9 9	Age 78	3.7 Sub-Car Bal Re	78 nopy Species Isam Fir d Maple ag Alder	51-80 Density High Medium	Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Sapling				
	Canopy Species Balsam Fir Black Spruce Paper Birch Quaking Aspen Red Maple	% Cover 5 10 10 10 65 I lowland sl	Pole Pole Pole Pole/Log Pole/Log/Sap	7 7 9 9 8	78	3.7 Sub-Cai Bal Re Ta	78 nopy Species Isam Fir Id Maple ag Alder	51-80 Density High Medium Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling	Part of East Creighton Sale			
122	Canopy Species Balsam Fir Black Spruce Paper Birch Quaking Aspen Red Maple 6229 - Mixed	% Cover 5 10 10 10 65 I lowland sl	Pole Pole Pole Pole/Log Pole/Log/Sap	7 7 9 9 9 8 Nonstoo	78 Cked	3.7 Sub-Cai Bal Re Ta 13.2	78 nopy Species Isam Fir Id Maple ag Alder	51-80 Density High Medium Low nspecified	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet No	Sapling Sapling				
122	Canopy Species Balsam Fir Black Spruce Paper Birch Quaking Aspen Red Maple 6229 - Mixed	% Cover 5 10 10 10 65 I lowland sl	Pole Pole Pole Pole/Log Pole/Log/Sap hrub	DBH 7 7 9 9 8 Nonstoo	78 Cked	3.7 Sub-Cai Bal Re Ta 13.2 28.8 Sub-Cai	78 nopy Species Isam Fir Id Maple ag Alder U	51-80 Density High Medium Low nspecified mmature	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet No	Sapling Sapling Tall Shrub	Part of East Creighton Sale			
122	Canopy Species Balsam Fir Black Spruce Paper Birch Quaking Aspen Red Maple 6229 - Mixed 4134 - Aspe Canopy Species	% Cover 5 10 10 10 65 I lowland sl	Pole Pole Pole Pole/Log Pole/Log/Sap Pole/Log/Sap	DBH 7 7 9 9 8 Nonstoo	78 Cked Well Age	3.7 Sub-Cai Bal Re Ta 13.2 28.8 Sub-Cai	78 nopy Species Isam Fir Id Maple ag Alder U 28 I	51-80 Density High Medium Low nspecified mmature Density	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet No N/A Avg. Height	Sapling Sapling Tall Shrub	Part of East Creighton Sale			
122	Canopy Species Balsam Fir Black Spruce Paper Birch Quaking Aspen Red Maple 6229 - Mixed 4134 - Aspe Canopy Species Balsam Fir	% Cover 5 10 10 10 65 1 lowland sl	Pole Pole Pole/Log Pole/Log/Sap Pole/Log/Sap Pole/Log/Sap	7	78 Cked Well Age	3.7 Sub-Cai Bal Re Ta 13.2 28.8 Sub-Cai	78 nopy Species Isam Fir Id Maple ag Alder U 28 I	51-80 Density High Medium Low nspecified mmature Density	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet No N/A Avg. Height	Sapling Sapling Tall Shrub	Part of East Creighton Sale			
122	Canopy Species Balsam Fir Black Spruce Paper Birch Quaking Aspen Red Maple 6229 - Mixed 4134 - Aspe Canopy Species Balsam Fir White Pine	% Cover 5 10 10 10 65 1 lowland sl	Pole Pole Pole/Log Pole/Log/Sap Pole/Log/Sap Pole/Log/Sap Pole/Log/Sap	7	78 Cked Well Age	3.7 Sub-Cai Bal Re Ta 13.2 28.8 Sub-Cai	78 nopy Species Isam Fir Id Maple ag Alder U 28 I	51-80 Density High Medium Low nspecified mmature Density	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet No N/A Avg. Height	Sapling Sapling Tall Shrub	Part of East Creighton Sale			
122	Canopy Species Balsam Fir Black Spruce Paper Birch Quaking Aspen Red Maple 6229 - Mixed 4134 - Aspe Canopy Species Balsam Fir White Pine Paper Birch	% Cover 5 10 10 10 65 I lowland sl en, Spruce/ % Cover 18 5 2	Pole Pole Pole Pole/Log Pole/Log/Sap Pole/Log/Sap Pole/Log/Sap Pole/Log/Sap Pole/Log/Sap	7	78 Cked Well Age	3.7 Sub-Cai Bal Re Ta 13.2 28.8 Sub-Cai	78 nopy Species Isam Fir Id Maple ag Alder U 28 I	51-80 Density High Medium Low nspecified mmature Density	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet No N/A Avg. Height	Sapling Sapling Tall Shrub	Part of East Creighton Sale			
122	Canopy Species Balsam Fir Black Spruce Paper Birch Quaking Aspen Red Maple 6229 - Mixed 4134 - Aspe Canopy Species Balsam Fir White Pine Paper Birch Black Spruce	% Cover 5 10 10 10 65 1 lowland sl	Pole Pole Pole Pole/Log Pole/Log/Sap Pole/Log/Sap Pole/Log/Sap Pole/Log/Sap Pole/Log/Sap Pole/Log/Sap Pole/Log/Sap	7	78 Cked Well Age	3.7 Sub-Cai Bal Re Ta 13.2 28.8 Sub-Cai	78 nopy Species Isam Fir Id Maple ag Alder U 28 I	51-80 Density High Medium Low nspecified mmature Density	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet No N/A Avg. Height	Sapling Sapling Tall Shrub	Part of East Creighton Sale			

Shingleton Mgt. Unit Report 7 - Stands



Stand	Level 4 C		Size Density		Acres	Stand Age	BA Range	Managed \$	Site	General Comments	
125		nd Coniferous, Mixed reciduous		Poletimber Well		11.4	47	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	15	Pole	6		Ва	alsam Fir	Medium	5 - 10 feet	Sapling	
	Paper Birch	5	Pole/Log	9		Re	ed Maple	Medium	5 - 10 feet	Sapling	
	Red Maple	10	Pole	8		Bla	ck Spruce	Low	5 - 10 feet	Sapling	
	White Pine	10	Log/Pole	12		Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Jack Pine	30	Pole/Log	8	47						
	Quaking Aspen	5	Pole/Log	9							
	Tamarack	25	Pole/Log	8							
126	330 - Low-	Density Tre	ees	Nonsto	cked	2.4	0	Unspecified	4222 - Natural	Jack Pine	Unit 3 of Broken Snowshoe Softwood. Cut winter of 2015 and scarified summer of 2015. Regen is coming but it also includes red maple, aspen and fir.
128	330 - Low-	Density Tre	ees	Nonsto	cked	2.9	0	Unspecified	4222 - Natural	Jack Pine	Unit 3 of Broken Snowshoe Softwood. Cut winter of 2015 and scarified summer of 2015. Regen is coming but it also includes red maple, asper and fir.
129			er Well	2.1	68	51-80	N/A		Red Pine is very large diameter for its age harvest when something		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	adjacent is ready to be treated.
	Red Pine	60	XLog/Log	18	68	Re	ed Maple	Medium	5 - 10 feet	Sapling	
	Paper Birch	10	Pole	8		Ba	alsam Fir	High	5 - 10 feet	Sapling	
	Red Maple	15	Pole	6		Pi	n Cherry	Low	< 5 feet	Tall Shrub	
	Jack Pine	5	Pole	7							
	White Pine	5	Log/Pole	12							
	Quaking Aspen	5	Pole	6							
130	429 - Mixed	Upland Con	nifers	Sawtimb	er Well	10.7	70	51-80	N/A		Could consider harvest but would need to buffer accordingly.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	5	XLog/Log	18		Ва	alsam Fir	Medium	Variable	Sapling	
	Red Maple	10	Pole/Log	9		Re	ed Maple	Medium	5 - 10 feet	Sapling	
	White Pine	35	Log/Pole	12	70		Beech	Low	< 5 feet	Sapling	
	Quaking Aspen	10	Log/Pole	12		W	hite Pine	Low	< 5 feet	Sapling	
	Jack Pine	15	Log/Pole	10							
	Paper Birch	20	Pole/Log	9							
	Balsam Fir	5	Pole	7							
131	622	5 - Bog	_	Nonsto	cked	1.2	ı	Unspecified	No		



Stand	Level 4 C	over Type	S	ize De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
132	6113 - Lo	wland Mapl	e Pole	etimbe	r Mediu	m 19.5	68	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Species	s Density	Avg. Height	Size	
	White Pine	5	Pole	8		Re	ed Maple	Medium	5 - 10 feet	Sapling	
Noi	thern White Cedar	5	Pole/Log	9		T	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	Red Maple	65	Pole	7	68	Bla	ck Spruce	Low	5 - 10 feet	Sapling	
	Balsam Fir	5	Pole	6		Ва	alsam Fir	Low	5 - 10 feet	Sapling	
	Paper Birch	10	Sapling	3							•
	Black Spruce	10	Pole	6							
133	6229 - Mixec	d lowland sl	nrub	Nonsto	ocked	3.9	0 (Unspecified	612 - Lowland C Fores		Stand was cut in the winter of 2015, part of Broken Snowshoe Softwoods. At the time of harvest acceptable regen was to include all conifer species but there were comments about paper birch, red maple and aspen being in the stand. Regen is coming but slowly due to it being a mix of lowlands and uplands. Going forward there is no reason not to accept the deciduous species as well as the spruce and fir that is regenerating. Look at stand next entry period to ensure regeneration occurred.
135	623 - Emer	gent Wetla	nd	Nonsto	ocked	4.1	l	Unspecified	No		
136	42290 - Natu	ural Mixed F	Pine Saw	/timbe	Mediu	m 7.9	113	51-80	N/A		Stand is a sprawling ridge with low ground connections.
	Canopy Species	% Cover	Size Class		l Age	Sub-Ca	anopy Species	s Density	Avg. Height	Size	
	White Pine	45	XLog/Log	20	113		ck Spruce	Medium	5 - 10 feet	Sapling	
	Red Pine	25	XLog/Log/Pole				hite Pine	Low	5 - 10 feet	Sapling	
	Red Maple	5	Pole	8			ag Alder	Low	5 - 10 feet	Tall Shrub	
	Paper Birch	20	Pole	7	56	Re	ed Maple	Medium	5 - 10 feet	Sapling	
	Black Spruce	5	Pole	6							
140	500 -	- Water		Nonst	ocked	13.6	l	Unspecified	No		Pond/flooded marsh - water level fluctuates seasonally
142	500 -	- Water		Nonsto	ocked	1.1	l	Unspecified	No		Pond/flooded marsh - water level fluctuates seasonally
143	6113 - Lo	wland Mapl	e Pole		Mediu		68	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBF	l Age		anopy Species	s Density	Avg. Height	Size	
Noi	thern White Cedar	5	Pole	9			ed Maple	Medium	5 - 10 feet	Sapling	
	Red Maple	65	Pole/Sapling	7	68		ck Spruce	Low	5 - 10 feet	Sapling	
	Paper Birch	10	Sapling	3		T	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	White Pine	5	Pole	8							
	Balsam Fir	5	Pole	6							
	Black Spruce	10	Pole	6							



Stand	Level 4 Cover Type S				nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
144			orest S	Sapling Medium		20.2	16	Immature	N/A		Stand has 0-30 square feet of overstory; therefore understory is being featured. Regen is good overall. Stand is a mix of upland and lowland.
	Canopy Species	% Cover	Size Class	DBH	Age						Cut in the winter of 2007, part of Creighton River Mix.
	Red Maple	20	Sapling	2							3 3
	Red Pine	5	Log/XLog	16							
	White Pine	20	Sapling	2	16						
	Balsam Fir	10	Sapling	2							
	Black Spruce	10	Sapling	2							
	Quaking Aspen	15	Sapling	2							
	White Pine	20	Log/XLog	16	88						
145	622 - Lov	wland Shrub	0	Nonsto	cked	2.9		Unspecified	No		
147	42290 - Nati	ural Mixed F	Pine S	Sawtimb	er Well	1.5	94	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size	
	Paper Birch	10	Pole	8		Re	d Maple	Low	5 - 10 feet	Sapling	
	Red Maple	5	Pole	8		Ва	lsam Fir	Low	5 - 10 feet	Sapling	
	Red Pine	55	Log/XLog/Pole	e 16	94						
	White Pine	30	Log/XLog/Pole	e 16							
150	42210 - Na	tural Red P	ine Sa	wtimber	Medium	n 15.0	113	1-50	N/A		Overstory is mature could consider an overstory removal.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size	
	Red Pine	65	Log/XLog	16	113	Re	d Maple	Medium	10 - 20 feet	Sapling	
	White Pine	35	XLog/Log	18		Par	oer Birch	Medium	10 - 20 feet	Sapling	
						Quak	ing Aspen	Medium	10 - 20 feet	Sapling	
						Wh	nite Pine	Medium	10 - 20 feet	Sapling	
151	42210 - Na	tural Red P	ine Sa	wtimber	Medium	n 6.4	98	1-50	N/A		Stand is 2 aged, could consider overstory removal.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Speci	es Density	Avg. Height	Size	
	White Pine	40	XLog/Log	18			oer Birch	Medium	10 - 20 feet	Sapling	
	Red Pine	60	XLog/Log	18	98	Re	d Maple	Medium	10 - 20 feet	Sapling	
						Bigto	oth Aspen	Medium	10 - 20 feet	Sapling	
						Ja	ck Pine	Medium	10 - 20 feet	Sapling	
									10 - 20 feet	Sapling	⊣



Stand	Level 4 C	over Type	S	Size Density		Acres	Acres Stand Age BA Range			Site	General Comments	
152	429 - Mixed l	Jpland Cor	nifers Saw	timbe	r Medium	n 9.7	113	51-80	N/A		Stand is a mix of upland ridges connected by low ground spruce and	
С	anopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	cedar. Nice oak in a few areas.	
	Red Pine	10	Log/XLog/Pole	16		Pa	per Birch	Low	5 - 10 feet	Sapling		
	White Pine	30	Log/XLog/Pole	16	113	Blad	ck Spruce	Low	5 - 10 feet	Sapling		
North	ern White Cedar	15	Pole	8		WI	nite Pine	Medium	5 - 10 feet	Sapling		
Е	Black Spruce	5	Pole	7		Ta	ag Alder	Low	5 - 10 feet	Tall Shrub		
	Red Oak	15	Log/Pole	12		Ва	lsam Fir	Medium	5 - 10 feet	Sapling		
Bi	igtooth Aspen	10	Pole/Log	9		Re	d Maple	Medium	5 - 10 feet	Sapling		
	Paper Birch	15	Pole/Log	9				1			•	
153	6117 - Lowland Con	Deciduous iferous	, Mixed Po	letimb	er Well	6.0	47	1-50	N/A			
C	anopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
North	nern White Cedar	5	Pole	8		Ta	ag Alder	High	5 - 10 feet	Tall Shrub		
	Red Pine	5	Log/Pole	16		Re	d Maple	Medium	5 - 10 feet	Sapling		
Е	Black Spruce	5	Pole/Sapling	7		Blad	ck Spruce	Low	5 - 10 feet	Sapling		
	Tamarack	10	Pole	8								
	White Pine	5	Log/XLog/Pole	16								
	Paper Birch	15	Sapling/Pole	3								
	Red Maple	25	Sapling/Pole	4								
Bi	igtooth Aspen	30	Sapling/Pole	4	47							
155	500 -	- Water	1	Nonst	ocked	2.4	U	nspecified	No		Pond/flooded marsh - water level fluctuates seasonally	
159	6139 - Mixed	Lowland F	orest Saw	timbe	Medium	n 5.2	88	1-50	N/A			
C	anopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	White Pine	15	XLog/Log/Pole	20		Re	d Maple	Medium	5 - 10 feet	Sapling		
	Red Pine	25	XLog/Log/Pole	18	88	Blac	ck Spruce	Low	< 5 feet	Sapling		
	Red Maple	15	Pole	8		WI	nite Pine	Low	< 5 feet	Sapling		
Q	uaking Aspen	25	Pole	8		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub		
Е	Black Spruce	5	Pole	7				1				
	Tamarack	5	Pole	8								
	Paper Birch	10	Pole/Sapling	6								
161	42210 - Nat	tural Red F	Pine Saw	timbe	r Medium	n 2.2	88	51-80	N/A			
С	anopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Pine	60	XLog/Log	18	88	Pa	per Birch	Medium	10 - 20 feet	Sapling		
	White Pine	40	XLog/Log	18		Bigto	oth Aspen	Medium	10 - 20 feet	Sapling		
						Re	d Maple	Medium	10 - 20 feet	Sapling		
						WI	nite Pine	High	10 - 20 feet	Sapling		

Shingleton Mgt. Unit Report 7

Report 7 – Stands

Compartment: 155
Year of Entry: 2021

DNR DNR
MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	· MICHIGAN .
162	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	2.5	94	1-50	N/A	ERA - Creighton Marsh patterned fen	
165	500 - Water	Nonstocked	2.7		Unspecified	No	ERA - Creighton Marsh patterned fen Pond - water level fluctuates seasonally	
401	6229 - Mixed lowland shrub	Nonstocked	7.8		Unspecified	No	ATC Powerline ROW. 70/30 upland vs lowland.	