

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41015 Entry Year 2027 Acreage: 1,783

County: Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Mario Molin

Legal Description:

T45N R16W Section 10, 14, 15

Identified Planning Goals:

Timber production and wildlife habitat management.

Soil and topography:

Flat marshland with small ridges. Soils in the low, wet areas are Deford Muck, Markey-Mucky Peat and Deford-AuSable-Tawas Mucks. Soils in the ridges are Paquin-Finch Sands, Rubixon-Croswell-Deford Complex, and Deford-AuGres-Rubicon Deep Water Table Complex.

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

State land north, west and south of the compartment; Seney National Wildlife Refuge borders the compartment on the east.

Unique Natural Features:

Currently under review by Michigan Natural Features Inventory (MNFI)

Archeological, Historical, and Cultural Features:

None identified at this time.

Special Management Designations or Considerations:

None identified at this time.

Watershed and Fisheries Considerations:

This compartment contains small unnamed streams that serve as tributaries to the West Branch Manistique River and the Creighton River. A small section of the east side of this compartment also borders the Creighton River. These streams are all non-designated waterbodies less than 50-ft wide that have predicted mean July water temperatures that range from 62.0 to 64.0°F (cold streams). 100-foot, plus 5 feet per 1% increase in slope, buffers are recommended for these small unnamed streams and the Creighton River to protect riparian areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment lies between Hartman Camp Road and the Creighton River. Pre-settlement surveys showed open marsh to be the dominant feature within this compartment circa 1850. Tamarack, spruce, and cedar appear to have been the primary trees in the forested portions of the compartment. However, low ridges throughout the compartment also held white pine, red pine, and hemlock. In addition, surveyors recorded minor amounts of aspen, jack pine, white birch, yellow birch, red maple and beech. Although it appears that the open marshes are largely intact, forest species and structure on the low ridges have changed substantially. Red pine, jack pine, and aspen have all increased while tamarack, spruce, cedar, and white pine have shown marked decreases. Featured species in this compartment are beaver, moose, ruffed grouse, sharp-tailed grouse, snowshoe hare, and white-tailed deer. Beaver ponding is an important environmental activity within this compartment providing habitat for a variety birds, herpitiles, and plants. Wolves are also relatively common within this compartment. Wildlife habitat objectives include protecting the integrity of the marsh system and promoting structural and species diversity with the forested portions of the compartment.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River Group subcrops below the glacial drift. The Black River is quarried for stone/dolomite elsewhere in the UP. Gravel pits are not found in the area and potential appears to be limited There is no commercial oil and gas production in the UP.

Vehicle Access:

Section 14 has several two-track roads, and the S. Creighton Truck Trail. The majority of the compartment is low, wet ground with islands of trees, and is without roads.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

There are no DNR recreational facilities within the compartment; but the area is used for deer and grouse hunting and people often set up hunting camps near the Creighton River.

Fire Protection:

Lack of roads in most of the western portion of the compartment makes access to fires difficult.

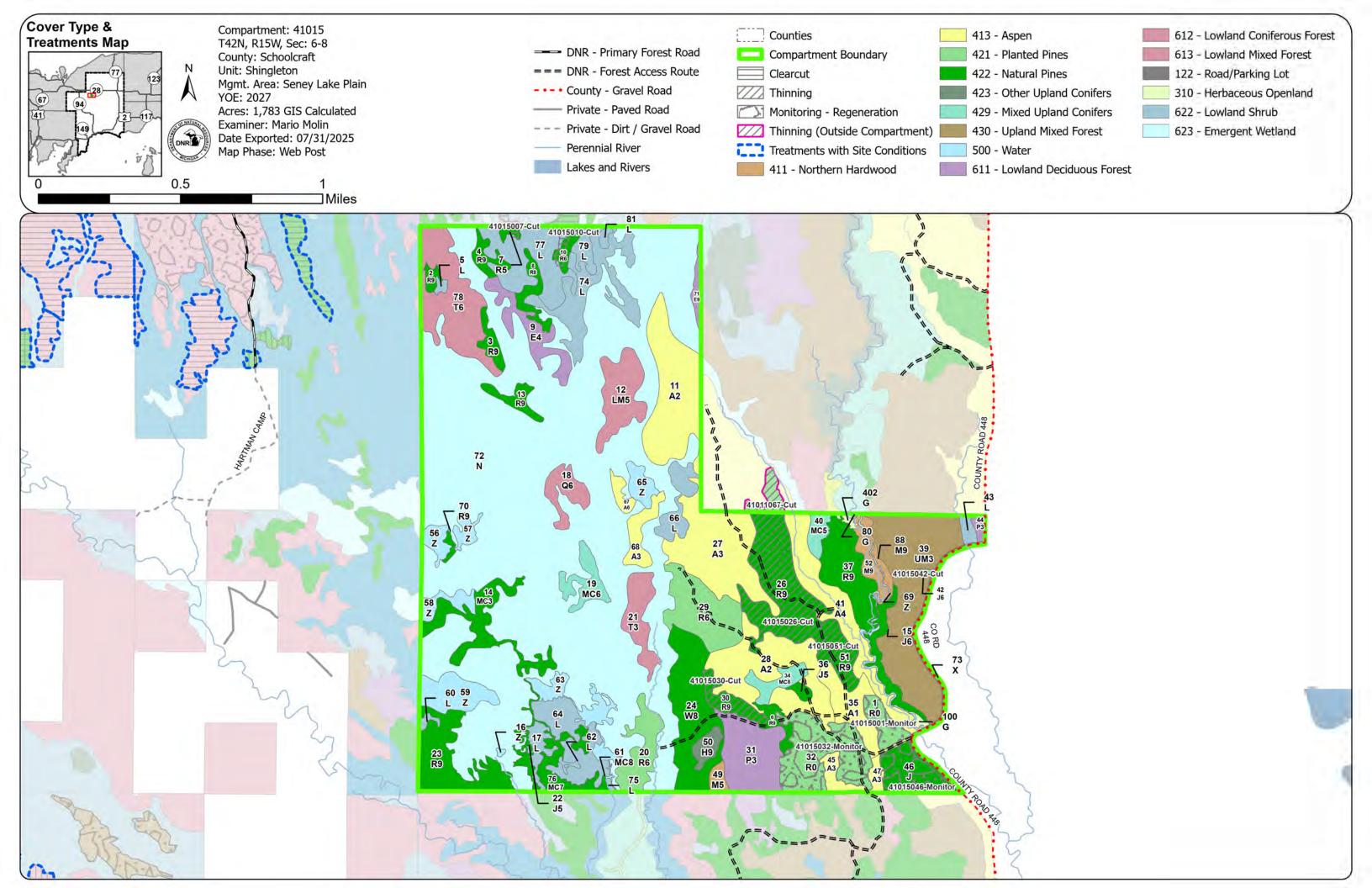
Additional Compartment Information:

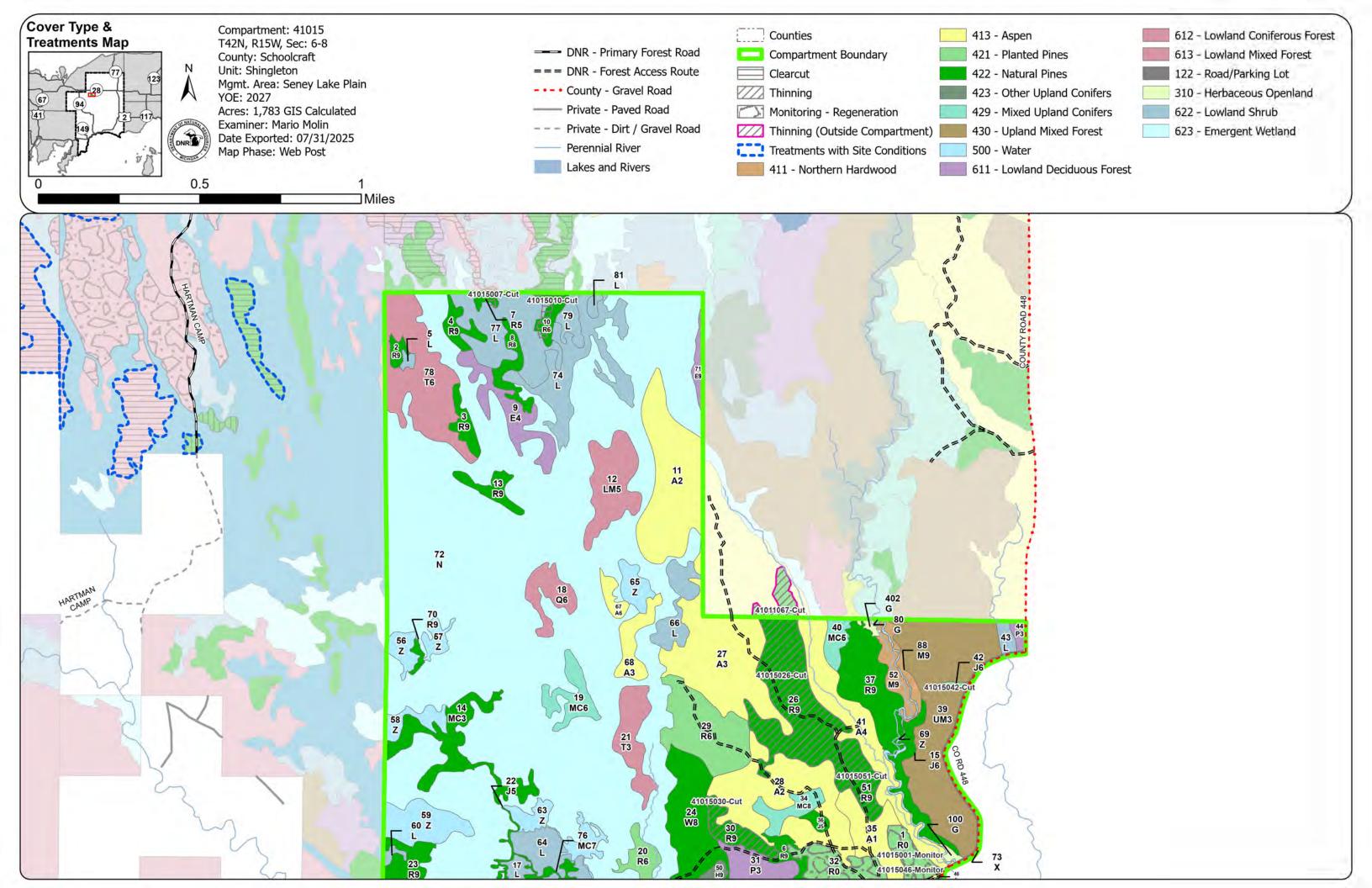
The following reports from the Inventory are attached:

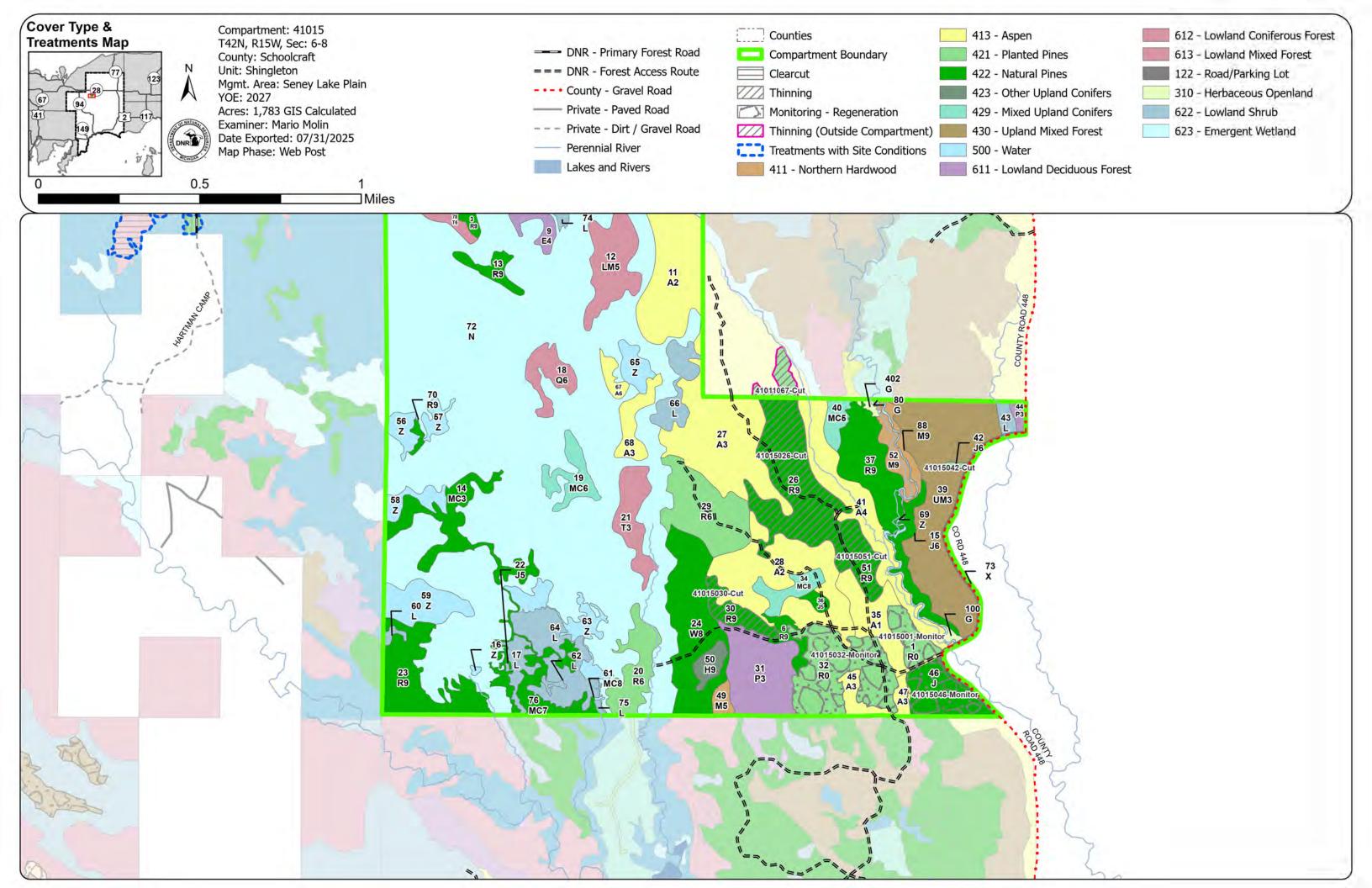
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

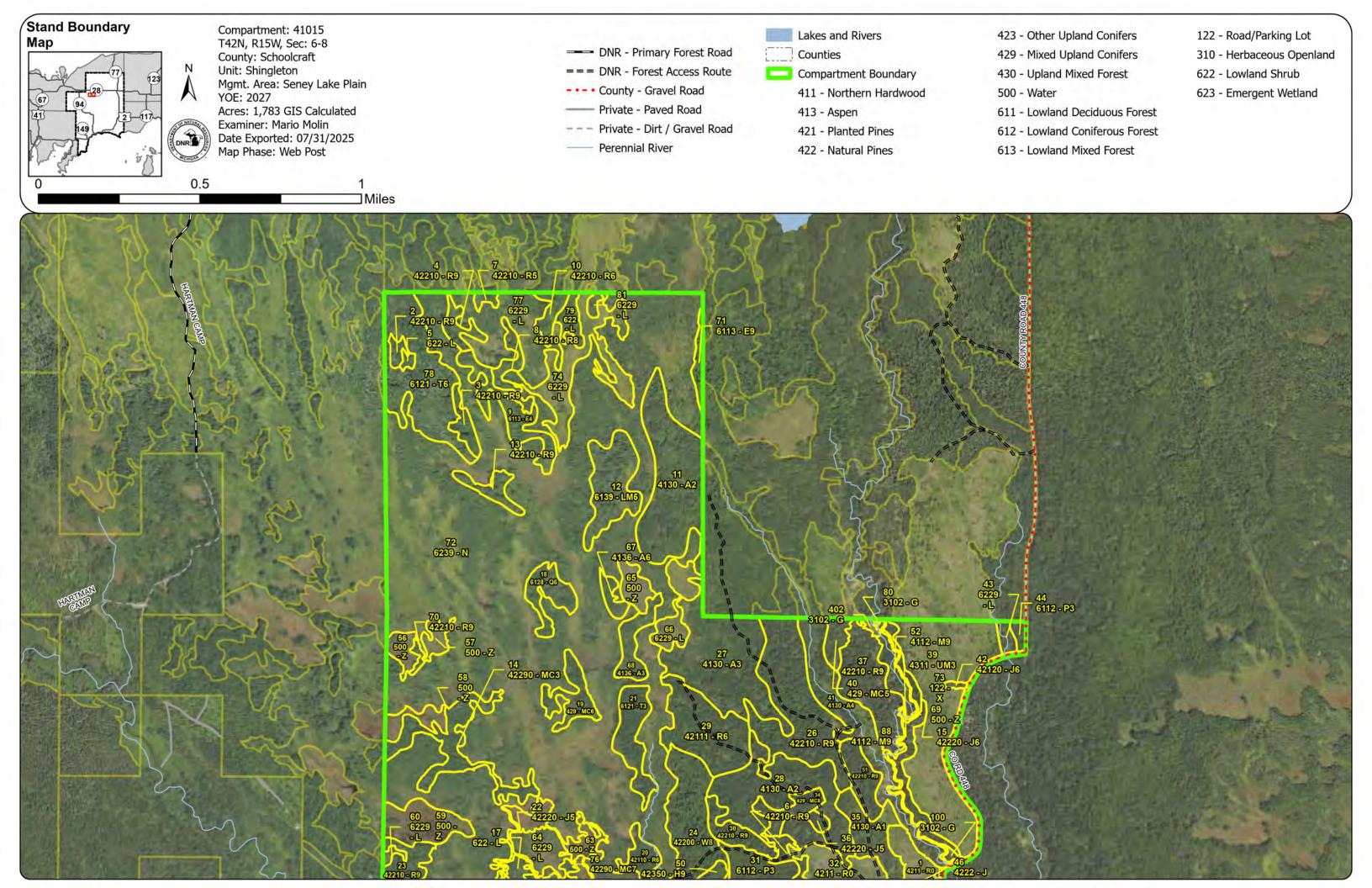
The following information is displayed, where pertinent, on the attached compartment maps:

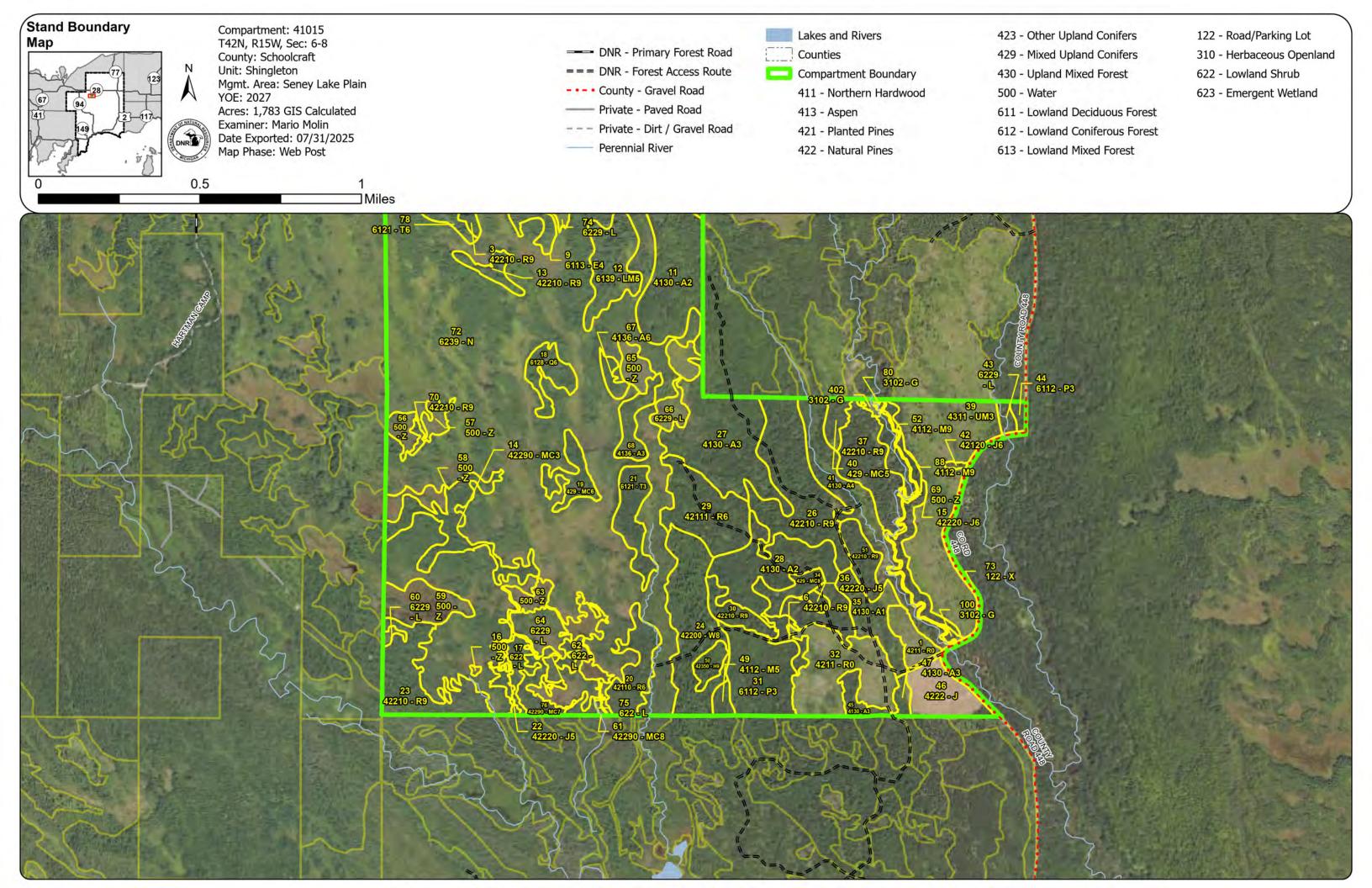
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

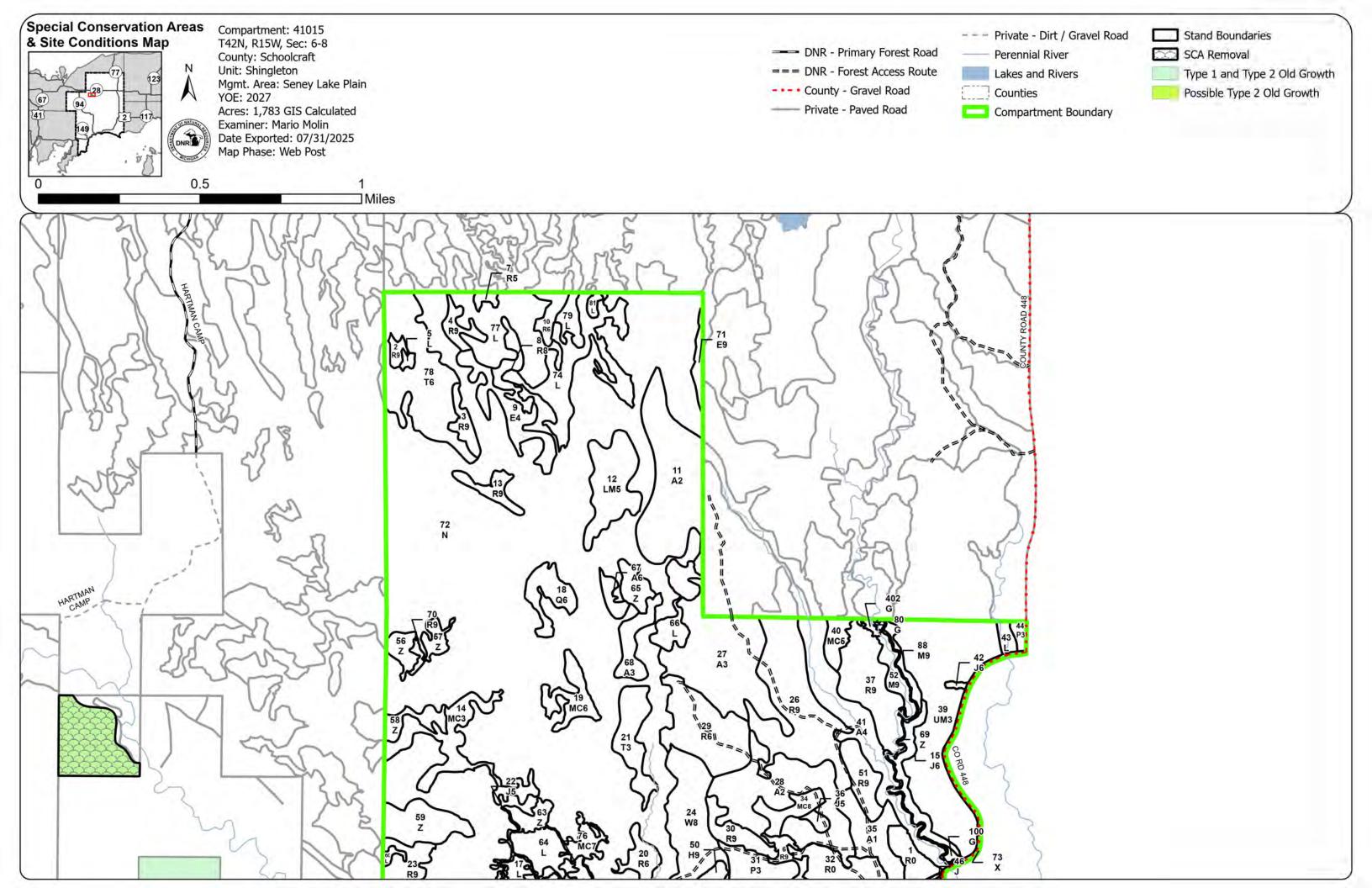


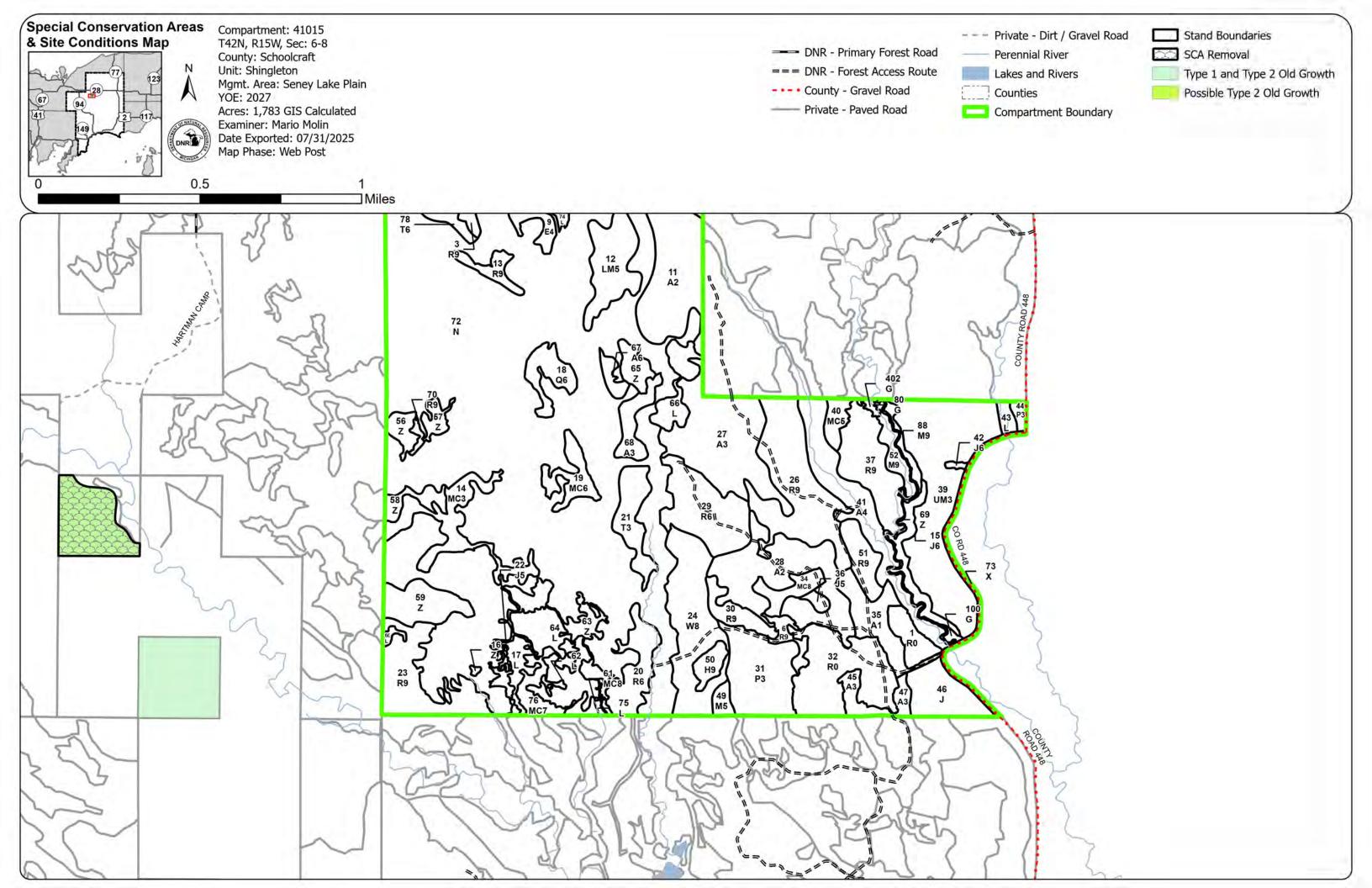












Shingleton Mgt. Unit Mario Molin: Examiner



Age Class

	No.	KO C	3 / 4		S. S.	3 / 6		3/8	3 / 1	R &	\$ \ &	S IN	Sa Za			\$ &	Br. St.	y Jres	1.0°
Aspen	0	0	29	0	168	0	0	0	0	0	0	0	0	0	0	0	0	35	232
Hemlock	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	19	0	0	0	8	0	0	1	0	11	0	0	0	0	0	0	0	0	39
Lowland Aspen/Balsam Poplar	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Lowland Conifers	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	11
Lowland Deciduous	0	0	0	0	17	0	0	0	0	0	4	0	0	0	0	0	0	0	21
Lowland Mixed Forest	0	0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	0	24
Lowland Shrub	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123
Marsh	691	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	691
Natural Mixed Pines	0	0	0	0	25	0	0	0	0	0	2	0	0	0	0	0	11	0	37
Northern Hardwood	0	0	0	4	0	0	0	11	0	0	0	0	0	0	0	0	0	0	15
Red Pine	50	0	0	0	50	0	0	0	11	28	51	0	0	0	0	0	33	52	275
Tamarack	0	0	0	0	16	0	0	0	0	0	44	0	0	0	0	0	0	0	60
Upland Conifers	0	0	0	0	11	0	0	6	0	0	8	0	0	0	0	0	0	0	25
Upland Mixed Forest	0	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Water	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
White Pine	0	0	0	0	0	0	0	0	0	0	43	0	0	0	0	0	0	0	43
Total	954	74	29	4	330	0	0	42	11	50	158	0	0	0	0	0	44	87	1782



Report 2 – Treatment Summary

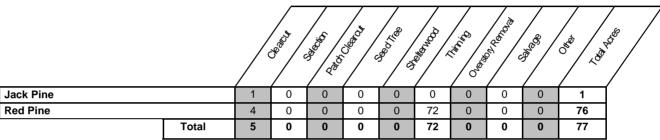
Shingleton Mgt. Unit Year of Entry: 2027

Acres of Harvest

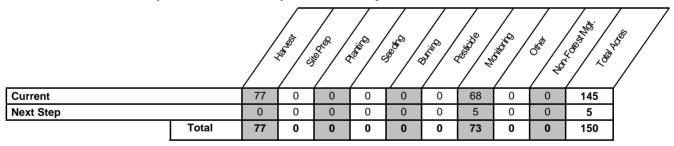
Compartment 15
Total Compartment Acres: 1,783

Commercial Harvest - 82 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



S t		Shingleto	n Mgt. Unit		Repo	rt 3 '	Treatments		Compartmer Year of Entr		DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Hab C
	ed Treatmer										
67	41011067-Cut	6.2	42260 - Natural Pine, Mixed	9	105	51-80	Harvest	Thinning	4221 - Natural Red Pine	Planting Record	١
Pres	cription Remo	ve up to 1/3	Deciduous 3 the BA								
Spec	<u>cs:</u>										
	Step tments:										
Acce Rege	eptable										
Othe	<u>er</u>										
	ment:										
	Condition: osed Start Date	· 10/01/20	126								
-	41015026-Cut		2210 - Natural Red	9	83	81-110	Harvest	Thinning	4221 - Natural	Planting	<u> </u>
			Pine				Harvoot	Timining	Red Pine	Record	•
Pres Spec		tand, follow	ring Natural pine gu	idanceAdd	wood tu	ırtle spec					
	Step tments:										
Acce Rege	eptable en:										
Othe Com	er iment:										
Site	Condition:										
Prop	osed Start Date										
30	41015030-Cut	9.34	2210 - Natural Red Pine	9	90	81-110	Harvest	Thinning	4221 - Natural Red Pine	Planting Record	١
Pres Spec		tand, follow	ring Natural pine gu	idance							
Next Trea	Step tments:										
Acce Rege	eptable en:										
Othe Com	<u>er</u> iment:										
Site (Condition:										
Prop	osed Start Date	e: 10/01/20	026								

Shingleton Mgt. Unit Report 3 -- Treatments Compartment: 41015 S Year of Entry: 2027 t а Size ВА **Treatment Treatment Cover Type Treatment** Acres Stand Stand Age Habitat n Method Objective Structure Name Density CoverType Age Range Type Cut d 41015042-Cut 8.0 42120 - Planted 81-110 Harvest Clearcut 4222 - Natural **Planting** No Jack Pine Jack Pine Record Prescription Clear cut stand, no retention due to size. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable Jack pine and aspen Regen: **Other** Comment: Site Condition: Proposed Start Date: 10/01/2026 51 41015051-Cut 11.2 42210 - Natural Red 75 81-110 4221 - Natural 9 Harvest Thinning **Planting** No Red Pine Record Pine Prescription Thin stand, following Natural pine guidanceAdd wood turtle spec Specs: Next Step Treatments: <u>Acceptable</u> Regen: Other Comment:

Approved Treatments:

Proposed Start Date: 10/01/2026

Site Condition:

1	41015001- Monitor	9.4 4211 - Planted Red Pine	0	1	Immatu re	Monitoring	Monitoring - Regeneration	4211 - Planted Red Pine	No
	<u>cription</u>								
Spec									
	<u>Step</u> tments:								
Acce Rege	<u>ptable</u> Red Pine en:).							
Othe Com	<u>r</u> Percent t ment:	o Treat = 100%							
Site	Condition:								
Prop	osed Start Date:	10/01/2025							

Prescription Specs:

Next Step **Treatments:**

Acceptable Jack Pine

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2025

s		Shingletor	n Mgt. Unit		Repoi	rt 3 '	Treatments		Compartme Year of Ent		DNR DNR
t a											MICHIGAN C
n	Treatment	Acres	Stand	Size	Stand	BA	Treatment	Treatment	Cover Type	Age	Habitat
d	Name		CoverType	Density	Age	Range	Type	Method	Objective	Structure	Cut

Total Treatment Acreage Proposed: 151.1

Report 4 - Site Conditions

Shingleton Mgt. Unit

Compartment: 15 Year of Entry: 2027 Mario Molin: Examiner



Availability for Management Total Acres Avail Acres Acres **Dominant Site Conditions** With Condition Not Available 5E Acres Available 4A 5C 2A 2H ЗJ Aspen Hemlock Herbaceous Openland Jack Pine Lowland Aspen/Balsam Poplar **Lowland Conifers Lowland Deciduous** Lowland Mixed Forest **Lowland Shrub** Marsh **Natural Mixed Pines** Northern Hardwood **Red Pine** Tamarack **Upland Conifers Upland Mixed Forest**

Urban

Water

White Pine

Total Forested Acres

Relative Percent

1 Available 4A: No markets available 44				
for these forest products	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand has deteriorated to a point where harvesting is no lo				

1,719

1,506

88%

6%

7%

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

Report 4 – Site Conditions

Shingleton Mgt. Unit Mario Molin: Examiner



2	Available	2E: Road needed	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Available	2E: Road needed	6	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	49	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
9	Available	2E: Road needed	6	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
11	Available	2E: Road needed	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
12	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
•	Comments:						

Report 4 – Site Conditions

Shingleton Mgt. Unit

Mario Molin: Examiner



13	Available	2E: Road needed	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
14	Available	2E: Road needed	3	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
15	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
16	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	29	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
	Comments: Creighton River 100) foot stream buffer to protect w	vater qu	uality.			
23	Unavailable	2A: Adjacent landowner denied access	33	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Mgt. Unit Compartment: #Type!
Year of Entry:

Report 5 - PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Shingleton Mgt. Unit Report 7 – Stands



Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age B	A Range	Managed Sit	te	General Comments
1	4211 - Plani	ted Red Pir	ne	Unspecifed	9.4	1 I	mmature			[8/17/07] Stand is now under contract TS # 41-010-07-01 Creighton Camp Pine. Residual BA: red pine = 14, white pine = 4, others = 3; total residual BA = 21 sq.ft./acre.[12-03-09] Sale is completed TCR dtd 12-01-09. See FTP C41-1326.[10-19-10 JB] Sale was scarified. Needs 2013 regen. Check . (14 count results are 290T/A, need to be trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 10/21: stand was split to show unit 1 of TS. red pine regen will take place. roller chopped and trenched summer 2022Sprayed in 23Planted to RP spring 241st year regen check passed, 857 TPA
2	42210 - Nati	ural Red Pi	ne S	Sawtimber Well	2.5	95	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	98		16 95	Re	d Maple	Low	Variable	Variable	
	White Pine	2		16	Wh	nite Pine	Medium	Variable	Variable	
					Re	ed Pine	Low	>20 feet	>20 feet	
					Blac	ck Spruce	Medium	Variable	Variable	
3	42210 - Nati	ural Red Pi	ne S	Sawtimber Well	5.5	95	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Spruce	2	Seedling	8	Re	d Maple	Medium	Variable	Variable	
	Red Pine	90		18 95	Wh	nite Pine	Low	Variable	Variable	
	Paper Birch	3		10	Blac	k Spruce	Low	Variable	Variable	
	Bigtooth Aspen	5		10						
4	42210 - Nati	ural Red Pi	ne S	Sawtimber Well	5.6	92	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	15	Seedling	5	Re	d Maple	Medium	Variable	Variable	
	Quaking Aspen	5	Seedling	8	Wh	nite Pine	Low	Variable	Variable	
	Tamarack	5	Seedling	8						
	Red Pine	75		18 92						
5	622 - Low	land Shrub		None	1.2			No		
					Sub-Ca	nopy Species	Density	Avg. Height	Size	
					Та	marack	Low	Variable	Variable	
					Blac	k Spruce	Low	Variable	Variable	
6	42210 - Nati	ural Red Pi	ne S	Sawtimber Well	5.5	90	81-110	N/A		Potentian for stand 22
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Retention for stand 32
					Do	al Manala	Medium	>20 feet	>20 feet	
	White Pine	30		24	Re	d Maple	Micalani	201000	/20 ICCI	
	White Pine Red Pine	30 70		24 20 90		nite Pine	Medium	Variable	Variable	



Stan	d Level 4 C	over Type		Size Density	Acre	s Stand Age E	A Range	Managed S	ite	General Comments	AVICHIGAN CO
7	42210 - Na	tural Red Pi	ne Po	letimber Med	um 1.9	93	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-	Canopy Species	Density	Avg. Height	Size		
	Sugar Maple	15	Seedling	6		Sugar Maple	Medium	Variable	Variable		
	Red Pine	65		18 93	E	Black Spruce	Low	Variable	Variable		
	White Pine	5	Seedling	6							
	White Pine	5		22							
	Quaking Aspen	10	Seedling	8							
8	42210 - Na	tural Red Pi	ne Sa	wtimber Med	um 7.3	93	81-110	N/A	1		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-	Canopy Species	Density	Avg. Height	Size		
	Bigtooth Aspen	5	Seedling	8	Е	lack Spruce	Low	Variable	Variable		
	Red Pine	85		16 93		White Pine	Low	Variable	Variable		
	Tamarack	5	Seedling	8						-	
	White Pine	5		18							
9	6113 - Lo	wland Mapl	e F	oletimber Po	or 16.	7 30	1-50	N/A	1		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-	Canopy Species	Density	Avg. Height	Size		
	Red Maple	85	Seedling	6 30		Red Maple	Low	< 5 feet	< 5 feet		
	Tamarack	15	Seedling	8 84	Е	Black Spruce	Low	Variable	Variable		
10	42210 - Na	tural Red Pi	ne F	Poletimber W	ll 5.5	5 93	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-	Canopy Species	Density	Avg. Height	Size		
	Red Maple	15	Sapling	5		Red Maple	High	Variable	Variable		
	Quaking Aspen	10	Seedling	8	Е	lack Spruce	Low	Variable	Variable		
	Red Pine	75		18 93		White Pine	Low	Variable	Variable		
11	4130	- Aspen	S	Sapling Mediu	n 49.	8 35	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-	Canopy Species	Density	Avg. Height	Size		
	Quaking Aspen	75	Sapling	5 35		Red Maple	Low	Variable	Variable		
	Red Maple	20	Seedling	8		Balsam Fir	Low	5 - 10 feet	5 - 10 feet		
	White Spruce	5	Seedling	6							
12	6139 - Mixed	Lowland Fo	orest Po	letimber Med	um 23.	8 64	1-50	N/A		2015: Cut around 1990 with stand 11.	
	Canopy Species	% Cover	Size Class	DBH Age		Canopy Species	Density	Avg. Height	Size		
	Quaking Aspen	35	Seedling	6		Red Maple	Low	< 5 feet	< 5 feet		
	Red Maple	10	Seedling	6		Black Spruce	Low	< 5 feet	< 5 feet		
	Tamarack	5	Seedling	8		White Pine	Low	5 - 10 feet	5 - 10 feet		
	Black Spruce	50	Seedling	6 64							



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed Site		General Comments
13	42210 - Nat	ural Red Pi	ine	Sawtimb	er Well	6.3	90	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	5		18		Blac	k Spruce	Low	5 - 10 feet	5 - 10 feet	
	Red Pine	85		16	90						
	Black Spruce	5	Seedling	8							
	Bigtooth Aspen	5		10							
14	42290 - Natu	ıral Mixed F	Pine	Sapling	y Well	24.5	34	1-50	N/A		2015: lots of variability along the different fingersLog to saplings.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	10	Seedling	6		Re	d Maple	Low	10 - 20 feet	10 - 20 feet	
	Jack Pine	25	Seedling	6		Quak	ing Aspen	Low	10 - 20 feet	10 - 20 feet	
	Tamarack	10	Seedling	6		Re	ed Pine	Low	5 - 10 feet	5 - 10 feet	
	Red Pine	5		14		Wh	ite Pine	Low	10 - 20 feet	10 - 20 feet	
	Red Pine	50	Seedling	6	34	Ja	ck Pine	Low	5 - 10 feet	5 - 10 feet	
15	42220 - Nat			Poletimb		10.6	86	51-80	N/A		Stand is long term retention for stand 39 Stand is on proposal 41- 014-13, "Super Duper Sale" Units 7 and 8. Red pine was reserved
	Canopy Species		Size Class		l Age						and there are River buffers as well for retention also a piece of jack
	Jack Pine	100	Seedling	8	86						pine on road. FTP C41-1550 is also submitted for Jack Pine Regeneration, site will need to be planted.10/21/15 MM Stand is cut.Trenched 2016Plant with JP spring 2017
16	500 -	Water		No	ne	0.5			No		
17	622 - Lov	land Shrub)	No	ne	6.7			No		
18	6128 - Lowland (Coniferous,	Mixed	Poletimb	er Well	11.3	83	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	10		10		Та	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	Tamarack	45	Seedling	8	83	Blac	k Spruce	Medium	Variable	Variable	
	Red Maple	25	Seedling	6							1
	<u> </u>	-									
	Paper Birch	5		10							
	Paper Birch Black Spruce	15	Seedling	10							
19	·	15			er Well	11.4	35	51-80	N/A		2015:: Seed tree cut in apx 1989; sale #83-86.
19	Black Spruce	15 Jpland Con		6 Poletimb	er Well		35 nopy Species	51-80 Density	N/A Avg. Height	Size	2015:: Seed tree cut in apx 1989; sale #83-86.
19	Black Spruce 429 - Mixed U	Jpland Con % Cover 25	ifers	6 Poletimb		Sub-Car					2015:: Seed tree cut in apx 1989; sale #83-86.
19	Black Spruce 429 - Mixed U Canopy Species	Jpland Con % Cover	ifers Size Class	6 Poletimb		Sub-Car	nopy Species	Density	Avg. Height	Size	2015:: Seed tree cut in apx 1989; sale #83-86.
19	Black Spruce 429 - Mixed U Canopy Species Quaking Aspen	Jpland Con % Cover 25	ifers Size Class	Poletimb DBH		Sub-Car	nopy Species ed Pine	Density Low	Avg. Height Variable	Size Variable	2015:: Seed tree cut in apx 1989; sale #83-86.



Stand	Level 4 C	over Type		Size Den	sity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
20	42110 - Pla	nted Red P	ine	Poletimbe	Well	17.9	30	1-50	N/A	A	Stand is a mix of planted red pine and natural jack and white
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pine2015: Planted in 91 and 95 with FTP C41-488.
	Red Pine	60		6	30	Wh	ite Pine	Medium	5 - 10 feet	5 - 10 feet	
	White Pine	5		7		Blac	k Spruce	Low	5 - 10 feet	5 - 10 feet	
	Jack Pine	35		6		Re	ed Pine	Low	< 5 feet	< 5 feet	
21	6121 -	Tamarack		Sapling \	Vell	15.9	35	1-50	N/A	4	2015: Cut in 1989, sale #83-86.
	Canopy Species	% Cover	Size Class	DBH .	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	5	Log	4		Ta	marack	Low	Variable	Variable	
	Red Pine	10	Seedling	6						,	-
	Quaking Aspen	5	Pole	4							
	Jack Pine	5	Seedling	6							
	Tamarack	75	Pole	4	35						
22	42220 - Nat	ural Jack P	ine F	oletimber N	/lediun	n 5.9	35	1-50	N/A	Ą	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Jack Pine	90	Seedling	6	35	Pap	er Birch	Low	>20 feet	>20 feet	
	Red Pine	10		14		Re	ed Pine	Low	10 - 20 feet	10 - 20 feet	
						Wh	ite Pine	Low	10 - 20 feet	10 - 20 feet	
						Ja	ck Pine	Low	10 - 20 feet	10 - 20 feet	
23	42210 - Nat	tural Red Pi	ine	Sawtimber	Well	32.8	153	81-110	N/A	Ą	
	Canopy Species	% Cover	Size Class	DBH .	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	10	Seedling	6	45	Re	ed Pine	Low	5 - 10 feet	5 - 10 feet	
	Black Spruce	5	Seedling	6		Blac	k Spruce	Low	10 - 20 feet	10 - 20 feet	
	Red Pine	75		18	153	Wh	ite Pine	Medium	5 - 10 feet	5 - 10 feet	
	White Pine	5		18							
	Jack Pine	5	Seedling	6							
24	42200 - Natu	ural White F	Pine S	Sawtimber N	/lediun	n 43.3	99	1-50	N/A	4	Cut in 2001-2002.
	Canopy Species		Size Class				nopy Species	Density	Avg. Height	Size	
	White Pine	100		18	99		ing Aspen	Low	Variable	Variable	
							ite Pine	High	< 5 feet	< 5 feet	
							d Maple	Medium	Variable	Variable	
						Pap	er Birch	Low	Variable	Variable	



Stand	d Level 4 C	Size De	nsity	Acres	Stand Age BA Range		Managed S	iite	General Comments					
26	42210 - Natural Red Pine			Sawtimber Well		51.7	83	81-110	N/A		2020: When cutting this stand add stand 67 in the north from C-11			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species		Avg. Height	Size	2005: Thinned in 1990; now all ages/sizes of Red & White Pine.			
	White Pine	15		16		Red Maple		Medium	Variable	Variable	98=B.Spruce & JP Duck-Crowell soils. PArVAa			
	Jack Pine	5	Seedling			Quaki	ng Aspen	Medium	Variable	Variable	2015:North half (north of 2 track) is very heavy with maple and aspen			
	Red Pine	80		16	83	Black	k Spruce	Low	5 - 10 feet	5 - 10 feet	regeneration. What is the Desired future condition? More mixed			
						Bals	sam Fir	Low	Variable	Variable	conifer to north.			
						Wh	ite Pine	Low	Variable	Variable				
27	4130	- Aspen		Sapling	y Well	54.1	34 I	mmature	N/A	1	2015: South tip is flooded with some larger residual poles. Stand			
	Canopy Species	% Cover	Size Class	DBH	l Age						edge does wander in and out of the adjacent stands.			
	Red Maple	5	Sapling	5										
	Quaking Aspen	85	Sapling	6	34									
	White Pine	2		16										
	Balsam Fir	3	Seedling	6										
	Red Pine	5	Sapling	6										
28	4130	- Aspen		Sapling Medium		49.7	34	1-50	N/A	Λ.	2015: Stand was multiple stands originally but harvested all at the			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	same time. A2/A3 variable, with a mix of spruce and fir scattered.			
	Quaking Aspen	85	Seedling	6	34	Red	d Maple	Low		Variable				
	Red Maple	5	Pole	4		Bals	sam Fir	Low		5 - 10 feet				
	Paper Birch	5	Sapling	6							-			
	Red Pine	5		16										
29	42111 - Planted Dec	l Red Pine, iduous	Mixed	Poletimb	er Well	32.5	30	1-50	N/A	1	2005: Burned and planted to Red Pine in 1995. Some low/wet areas within the stand. Natural R.Maple, B.Spruce and Aspen regeneration			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	throughout.			
	Quaking Aspen	30	Sapling	6		Red	d Maple	Low	< 5 feet	< 5 feet	2015: Stand is difficult to delineate out from the photos, its a			
	Jack Pine	10	Sapling	6		Black	k Spruce	Low	< 5 feet	< 5 feet	patchwork of red pine plantation and aspen with a few other random			
											species mixed in.			
30	42210 - Na	tural Red P	ine	Sawtimb	er Well	9.3	90	81-110	N/A	١				
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	Thinned in early 1990's, Most Pine is beyond desirable			
	White Pine	30		24		Red	d Maple	Medium	>20 feet	>20 feet	merchantability. Stand is surrounded by aspen and will likely convert			
	Red Pine	70		20	90	Bals	sam Fir	Low	Variable	Variable	to aspen if harvested.			
						Wh	ite Pine	Medium	Variable	Variable				
31	6112 - Lo	6112 - Lowland Aspen		Sapling Well		33.0	33	1-50	N/A	1	2015: In southern portion of stand is a small red pine ridge.			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	South1/2 seems to be more mixed with the fir and maple. Slight to changes everywhere lows are filled with water.			
	Quaking Aspen	75	Sapling	5	33	Bals	sam Fir	Low	< 5 feet	< 5 feet				
	Balsam Fir	10	Sapling	5		Red	d Maple	Low	< 5 feet	< 5 feet				
	Red Maple	15	Sapling	5					<u> </u>					



Stand	Level 4 Co	Size Density		Acres	Stand Age	BA Range	Managed Si	te	General Comments		
32	4211 - Planted Red Pine			Unspecifed		40.9	1	Immature			[8/17/07] Stand is now under contract TS # 41-010-07-01 Creighton Camp Pine. Residual BA: red pine = 36, white pine = 3, others = 1; total residual BA = 40 sq.ft./acre.[12-03-09] Sale is completed TCR dtd 12-01-09.2015: natural regeneration is not working.10/21: Unit 3 of TS, Trench and plant to red pine. roller chopped and trenched summer 2022Sprayed Summer 23. Planted to RP spring 241st year regen check passed summer 24, 739 TPA
34	429 - Mixed L	Jpland Con	ifers Sa	awtimber Medium		n 8.2 94		81-110	N/A		2015: West 1/2 is more lowland with timber type changing to tamaracl
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	and fir.
	Red Pine	40	0.20 0.000	18	94		d Maple	Medium	Variable	Variable	
	White Pine	10		18			per Birch	Low	10 - 20 feet	10 - 20 feet	
	Balsam Fir	10	Seedling	6			lsam Fir	Medium	Variable	Variable	
	Tamarack	35	Seedling	8		Wh	nite Pine	Medium	Variable	Variable	
	Black Spruce	5	Seedling	6		Blad	ck Cherry	Low	Variable	Variable	
35	4130	- Aspen		Sapling	Poor	19.0	16	Immature	N/A		[8/17/07] Stand is now under contract TS # 41-010-07-01 Creighton
(Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Camp Pine. Residual BA: red pine = 14, white pine = 4, others = 3; total residual BA = 21 sq.ft./acre.[12-03-09] Sale is completed TCR
C	Quaking Aspen	85	Log	2	16	Wh	nite Pine	Low	5 - 10 feet	5 - 10 feet	dtd 12-01-09. See FTP C41-1326.[10-19-10 JB] Sale was scarified.
	D 15:	40		4.4	70						Needs 2013 regen. Check . (14 count results are 290T/A, need to be
	Red Pine	10		14	78						
	White Pine	5	Seedling	8	78						trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this
36		5		8	r Mediur	n 2.1	35	1-50	N/A		trenched and planted.10/30/2017; monitor treatment removed Via
36	White Pine 42220 - Nat	5 ural Jack P		8 letimbe	r Mediur					Size	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split.
	White Pine	5 ural Jack P	ine Po	8 letimbe		Sub-Ca	35 nopy Specie d Maple		N/A Avg. Height Variable		trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this
(White Pine 42220 - Nate Canopy Species	5 ural Jack P	ine Po	8 letimbe	r Mediur	Sub-Ca Re	nopy Specie	s Density	Avg. Height	Size	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally
(White Pine 42220 - Nate Canopy Species Red Pine	5 ural Jack P Cover 5	ine Po Size Class Sapling	letimbe DBH	r Mediur	Sub-Ca Re Wh	n opy Specie d Maple	s Density Medium	Avg. Height Variable	Size Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally
(White Pine 42220 - Nati Canopy Species Red Pine Quaking Aspen	5 Cural Jack P Cover 5 20	ine Po Size Class Sapling Sapling	letimbe DBH 6 6	r Mediur	Sub-Ca Re Wh	nopy Specie d Maple nite Pine	Medium Medium	Avg. Height Variable Variable	Size Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally
(White Pine 42220 - Nate Canopy Species Red Pine Quaking Aspen White Pine	5 wural Jack P Cover 5 20 15 60	ine Po Size Class Sapling Sapling Sapling Sapling Sapling	8 letimbe 6 6 6 6	r Mediur	Sub-Ca Re Wh	nopy Specie d Maple nite Pine ck Pine	Medium Medium Medium	Avg. Height Variable Variable Variable	Size Variable Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally regenerating with various other species. 2025-Bridge needed. Wait to treat with stand to compartment to the
37	White Pine 42220 - Nate Canopy Species Red Pine Quaking Aspen White Pine Jack Pine	5 vural Jack P % Cover 5 20 15 60 tural Red Pi	ine Po Size Class Sapling Sapling Sapling Sapling Sapling	8	r Mediur	Sub-Cal Re Wh Ja Blac	nopy Specie d Maple nite Pine ck Pine ck Cherry	Medium Medium Medium Medium Medium Medium Medium	Avg. Height Variable Variable Variable Variable Variable	Size Variable Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally regenerating with various other species.
37	White Pine 42220 - Nate Canopy Species Red Pine Quaking Aspen White Pine Jack Pine 42210 - Nate	5 vural Jack P % Cover 5 20 15 60 tural Red Pi	ine Po Size Class Sapling Sapling Sapling Sapling Sapling	8	r Mediur I Age	Sub-Ca Re Wh Ja Blac 28.1 Sub-Ca	nopy Specie d Maple nite Pine ck Pine ck Cherry	Medium Medium Medium Medium Medium Medium Medium	Avg. Height Variable Variable Variable Variable Variable	Size Variable Variable Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally regenerating with various other species. 2025-Bridge needed. Wait to treat with stand to compartment to the
37	White Pine 42220 - Nate Canopy Species Red Pine Quaking Aspen White Pine Jack Pine 42210 - Nate Canopy Species	5 tural Jack P **Cover* 5 20 15 60 tural Red Pi **Cover*	ine Po Size Class Sapling Sapling Sapling Sapling Sapling	letimbe DBH 6 6 6 6 6 DBH Bawtimb	r Mediur I Age 35 er Well	Sub-Ca Re Wh Ja Blace 28.1 Sub-Ca	nopy Specie d Maple nite Pine ck Pine ck Cherry 80 nopy Specie	Medium Medium Medium Medium Medium Medium Medium 81-110 B Density	Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height	Size Variable Variable Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally regenerating with various other species. 2025-Bridge needed. Wait to treat with stand to compartment to the
37	White Pine 42220 - Nati Canopy Species Red Pine Quaking Aspen White Pine Jack Pine 42210 - Nat Canopy Species Red Pine	5 tural Jack P **Cover* 5 20 15 60 tural Red Pi **Cover* 85	ine Po Size Class Sapling Sapling Sapling Sapling Sapling	8	r Mediur I Age 35 er Well	Sub-Ca Re Wh Ja Blac 28.1 Sub-Ca	nopy Specie d Maple nite Pine ck Pine ck Cherry 80 nopy Specie nite Pine	Medium Medium Medium Medium Medium Medium Medium Medium Medium 81-110 Density Medium	Avg. Height Variable Variable Variable Variable Variable N/A Avg. Height Variable	Size Variable Variable Variable Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally regenerating with various other species. 2025-Bridge needed. Wait to treat with stand to compartment to the
37	White Pine 42220 - Nati Canopy Species Red Pine Quaking Aspen White Pine Jack Pine 42210 - Nat Canopy Species Red Pine	5 tural Jack P **Cover* 5 20 15 60 tural Red Pi **Cover* 85	ine Po Size Class Sapling Sapling Sapling Sapling Sapling	8	r Mediur I Age 35 er Well	Sub-Ca Re Wh Ja Blace 28.1 Sub-Ca Wh Re	nopy Specie d Maple nite Pine ck Pine ck Cherry 80 nopy Specie nite Pine	Medium Medium Medium Medium Medium Medium Medium 81-110 S Density Medium Low	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable Variable	Size Variable Variable Variable Variable Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally regenerating with various other species. 2025-Bridge needed. Wait to treat with stand to compartment to the
37	White Pine 42220 - Nate Canopy Species Red Pine Quaking Aspen White Pine Jack Pine 42210 - Nate Canopy Species Red Pine White Pine White Pine	5 tural Jack P **Cover* 5 20 15 60 tural Red Pi **Cover* 85	ine Po Size Class Sapling Sapling Sapling Sapling Sapling Sapling Size Class	8	r Mediur I Age 35 er Well I Age 80	Sub-Ca Re Wh Ja Blace 28.1 Sub-Ca Wh Re	nopy Specie d Maple hite Pine ck Pine ck Cherry 80 nopy Specie hite Pine ed Pine lsam Fir	Medium Medium Medium Medium Medium Medium Medium 81-110 S Density Medium Low Medium	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable Variable Variable Variable	Size Variable Variable Variable Variable Variable Variable Variable Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally regenerating with various other species. 2025-Bridge needed. Wait to treat with stand to compartment to the North. Stand is on proposal 41-014-13, "Super Duper Sale" Units 7 and 8.
37	White Pine 42220 - Nate Canopy Species Red Pine Quaking Aspen White Pine Jack Pine 42210 - Nate Canopy Species Red Pine White Pine White Pine	5 tural Jack P	ine Po Size Class Sapling Sapling Sapling Sapling Sapling Sapling Size Class	letimbe DBH 6 6 6 6 8 Sawtimb 16 18	r Mediur I Age 35 er Well I Age 80	Sub-Ca Re Wh Ja Blace 28.1 Sub-Ca Wh Re Ba White	nopy Specie d Maple hite Pine ck Pine ck Cherry 80 nopy Specie hite Pine ed Pine lsam Fir te Spruce	Medium Medium Medium Medium Medium Medium 81-110 S Density Medium Low Medium Medium Medium Medium	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable Variable Variable Variable Variable Variable	Size Variable Variable Variable Variable Variable Variable Variable Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally regenerating with various other species. 2025-Bridge needed. Wait to treat with stand to compartment to the North. Stand is on proposal 41-014-13, "Super Duper Sale" Units 7 and 8. Red pine was reserved and there are River buffers as well for
37	White Pine 42220 - Nati Canopy Species Red Pine Quaking Aspen White Pine Jack Pine 42210 - Nati Canopy Species Red Pine White Pine White Pine	5 tural Jack P	ine Po Size Class Sapling Sapling Sapling Sapling Sapling Size Class	letimbe DBH 6 6 6 6 8 Sawtimb 16 18	r Mediur I Age 35 er Well I Age 80	Sub-Ca Re Wh Ja Blace 28.1 Sub-Ca Wh Re Ba White	nopy Specie d Maple hite Pine ck Pine ck Cherry 80 nopy Specie hite Pine ed Pine lsam Fir te Spruce	Medium Medium Medium Medium Medium Medium 81-110 S Density Medium Low Medium Medium Medium Medium	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable Variable Variable Variable Variable Variable	Size Variable Variable Variable Variable Variable Variable Variable Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally regenerating with various other species. 2025-Bridge needed. Wait to treat with stand to compartment to the North. Stand is on proposal 41-014-13, "Super Duper Sale" Units 7 and 8.
37	White Pine 42220 - Nati Canopy Species Red Pine Quaking Aspen White Pine Jack Pine 42210 - Nati Canopy Species Red Pine White Pine White Pine 4311 - Pine Canopy Species	5 tural Jack P Cover 5 20 15 60 tural Red P Cover 85 15 e, Aspen M Cover	ine Po Size Class Sapling Sapling Sapling Sapling Sapling Size Class	letimbe DBH 6 6 6 6 8 Sawtimb 16 18	r Mediur I Age 35 er Well I Age 80 g Well	Sub-Ca Re Wh Ja Blace 28.1 Sub-Ca Wh Re Ba White	nopy Specie d Maple hite Pine ck Pine ck Cherry 80 nopy Specie hite Pine ed Pine lsam Fir te Spruce	Medium Medium Medium Medium Medium Medium 81-110 S Density Medium Low Medium Medium Medium Medium	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable Variable Variable Variable Variable Variable	Size Variable Variable Variable Variable Variable Variable Variable Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally regenerating with various other species. 2025-Bridge needed. Wait to treat with stand to compartment to the North. Stand is on proposal 41-014-13, "Super Duper Sale" Units 7 and 8. Red pine was reserved and there are River buffers as well for retention also a piece of jack pine on road. FTP C41-1550 is also submitted for Jack Pine Regeneration, site will need to be planted.
37	White Pine 42220 - Nati Canopy Species Red Pine Quaking Aspen White Pine Jack Pine 42210 - Nati Canopy Species Red Pine White Pine 4311 - Pine Canopy Species Quaking Aspen	5 sural Jack P **Cover* 5 20 15 60 **tural Red Pi **Cover* 85 15 e, Aspen M **Cover* 50	ine Po Size Class Sapling Sapling Sapling Sapling Sapling Size Class ix Size Class Log	8	r Mediur I Age 35 er Well I Age 80 9 Well I Age	Sub-Ca Re Wh Ja Blace 28.1 Sub-Ca Wh Re Ba White	nopy Specie d Maple hite Pine ck Pine ck Cherry 80 nopy Specie hite Pine ed Pine lsam Fir te Spruce	Medium Medium Medium Medium Medium Medium 81-110 S Density Medium Low Medium Medium Medium Medium	Avg. Height Variable Variable Variable Variable N/A Avg. Height Variable Variable Variable Variable Variable Variable	Size Variable Variable Variable Variable Variable Variable Variable Variable Variable	trenched and planted.10/30/2017; monitor treatment removed Via comparted review process due to MO change to Aspen. Part of this stand will be harvested, then stand should be split. 2015: Cut in 1990. Mix of trees predominately jack pine, naturally regenerating with various other species. 2025-Bridge needed. Wait to treat with stand to compartment to the North. Stand is on proposal 41-014-13, "Super Duper Sale" Units 7 and 8. Red pine was reserved and there are River buffers as well for retention also a piece of jack pine on road. FTP C41-1550 is also submitted for Jack Pine Regeneration, site will



Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age E	BA Range	Managed Sit	te	General Comments
40	429 - Mixed Upland Conifers P		ifers P	oletimber Mediun	n 5.8	67	1-50	N/A		2015: Aspen is falling out and converting to mixed conifer.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Spruce	15	Seedling	8	R	ed Pine	Low	Variable	Variable	
	Red Pine	20		16	Ва	alsam Fir	Low	Variable	Variable	
	Quaking Aspen	40		10 67	Whi	ite Spruce	Medium	Variable	Variable	
	White Pine	10		16	W	hite Pine	Medium	Variable	Variable	
	Balsam Fir	15	Seedling	6	Ja	ack Pine	Low	Variable	Variable	
41	4130	- Aspen		Poletimber Poor	35.4	40	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	20	Seedling	6	Re	ed Maple	Low	Variable	Variable	
	Quaking Aspen	80	Seedling	6 40	Qual	king Aspen	Medium	Variable	Variable	
					Bla	ck Cherry	Low	Variable	Variable	
42	42120 - Plar	ted Jack P	ine	Poletimber Well	0.8	66	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH Age						
	Jack Pine	100	Seedling	8 66						
43	6229 - Mixed	Lowland SI	hrub	None	2.9			No		2015: Alder willow with scattered trees.
					Sub-Ca	nopy Species	Density	Avg. Height	Size	
					Qual	king Aspen	Low	Variable	Variable	
					Re	ed Maple	Low	Variable	Variable	
44	6112 - Lov	vland Aspe	n	Sapling Well	2.3	35	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH Age						
	Quaking Aspen	100	Pole	4 35						
45	4130	- Aspen		Sapling Well	6.2	16	1-50	N/A		[8/17/07] Stand is now under contract TS # 41-010-07-01 Creighton
	Canopy Species	% Cover	Size Class	DBH Age						Camp Pine. Residual BA: red pine = 5, white pine = 1, others = 5; tota residual BA = 11 sq.ft./acre.
	Quaking Aspen	88	Log	2 16						[12-03-09] Sale is completed TCR dtd 12-01-09. See FTP W41-1327.
	Red Maple	10	Log	2						[5/12/2011] FTP# W41-1327 cancelled at 2011 review and approved
	Red Pine	2	-	16						by area biologist and unit manager. Natural Regen Survey done Summer 2015 = Passed.
46	4222 - Natu	ral Jack Pi	ne		19.2	3	Immature			Scarified by Holli summer 2022.
47	4130	- Aspen		Sapling Well	3.6	16	Immature	N/A		[8/17/07] Stand is now under contract TS # 41-010-07-01 Creighton
		•	Size Class		3.6	16	Immature	N/A		Camp Pine. Residual BA: red pine = 5, white pine = 1, others = 5; total
	4130 · Canopy Species Quaking Aspen	•	Size Class	Sapling Well DBH Age 2 16	3.6	16	Immature	N/A		



	d Level 4 Cover Type 4112 - Maple, Beech, Cherry Association			Size Density		Acres Stand Age BA Ra			Managed S	Site	General Comments	
49			ssociation Po			5	23	1-50	N/A	A	2015: Cut in 2002.	
	Canopy Species	% Cover	Size Class	DBH Ag	e Sub	-Canop	y Species	Density	Avg. Height	Size		
	White Pine	5		20 10	0	Red Ma	aple	Low	< 5 feet	< 5 feet		
	Quaking Aspen	5	Sapling	5		Balsam	ı Fir	Low	< 5 feet	< 5 feet		
	Balsam Fir	5	Sapling	5							-	
	Red Maple	85	Sapling	5 23	3							
50	42350 - Upla	and Hemlo	ck	Sawtimber W	/ell 5	7	95	111-140	N/A	4	2015: A small hemlock stand that was reserved whe	n the surrounding
	Canopy Species	% Cover	Size Class	DBH Ag	e Sub	-Canop	y Species	Density	Avg. Height	Size	stand was cut in 2002.	
	Red Maple	5		12		Red Ma	aple	Low	Variable	Variable		
	White Pine	5		18		Balsam	Fir	Low	5 - 10 feet	5 - 10 feet		
No	rthern White Cedar	5	Seedling	6								
	Hemlock	85		14 95	5							
51	42210 - Nati	ural Red Pi	ine	Sawtimber W	/ell 11	.2	75	81-110	N/A	4		
	Canopy Species	% Cover	Size Class	DBH Ag	e Sub	-Canop	y Species	Density	Avg. Height	Size		
	White Spruce	5	Seedling	6		Balsam	Fir	Low	< 5 feet	< 5 feet		
	White Pine	15	Seedling	8		Red Ma	aple	Medium	Variable	Variable		
	Red Pine	80		18 75	5	White F	Pine	Medium	Variable	Variable		
52	4112 - Maple, Beech	h, Cherry A	ssociation	Sawtimber W	/ell 7	3	65	51-80	N/A	A	2015: Most of this stand will be river buffer if ever har	vested
52	4112 - Maple, Beech Canopy Species		Association Size Class	Sawtimber W			65 y Species	51-80 Density	N/A	Size	2015: Most of this stand will be river buffer if ever har	vested
52					e Sub	-Canopy Black C	y Species herry				2015: Most of this stand will be river buffer if ever har	vested
52	Canopy Species	% Cover		DBH Ag	e Sub	-Canop	y Species herry	Density	Avg. Height	Size	2015: Most of this stand will be river buffer if ever har	vested
52	Canopy Species Red Maple	% Cover 55		DBH Ag	e Sub	-Canopy Black C	y Species herry Aspen	Density Low	Avg. Height Variable	Size Variable	2015: Most of this stand will be river buffer if ever har	vested
52	Canopy Species Red Maple Quaking Aspen Black Cherry	% Cover 55 5		12 65	e Sub	-Canopy Black Cl Quaking A Red Ma	y Species herry Aspen	Low Low	Avg. Height Variable Variable	Size Variable Variable Variable	2015: Most of this stand will be river buffer if ever har	vested
	Canopy Species Red Maple Quaking Aspen Black Cherry	% Cover 55 5 40		12 65 10 10	e Sub	-Canopy Black Cl Quaking A Red Ma	y Species herry Aspen	Low Low	Avg. Height Variable Variable Variable	Size Variable Variable Variable	2015: Most of this stand will be river buffer if ever har	vested
	Canopy Species Red Maple Quaking Aspen Black Cherry	% Cover 55 5 40		12 65 10 10	e Sub	-Canopy Black Cl Quaking A Red Ma	y Species herry Aspen aple	Low Low Medium	Avg. Height Variable Variable Variable No	Size Variable Variable Variable	2015: Most of this stand will be river buffer if ever har	vested
	Canopy Species Red Maple Quaking Aspen Black Cherry 500 -	% Cover 55 5 40		12 65 10 10	e Sub	-Canopy Black Cl Quaking A Red Ma 5 -Canopy Tag Al	y Species herry Aspen aple	Low Low Medium Density	Avg. Height Variable Variable Variable Avg. Height	Size Variable Variable Variable Variable Size 5 - 10 feet	2015: Most of this stand will be river buffer if ever har	vested
56	Canopy Species Red Maple Quaking Aspen Black Cherry 500 -	% Cover 55 5 40 Water		12 65 10 10 10 None	Sub	-Canopy Black Cl Quaking A Red Ma 5 -Canopy Tag Al	y Species herry Aspen aple	Low Low Medium Density	Avg. Height Variable Variable Variable Avg. Height 5 - 10 feet	Size Variable Variable Variable Variable Size 5 - 10 feet	2015: Most of this stand will be river buffer if ever har	vested
56	Canopy Species Red Maple Quaking Aspen Black Cherry 500 -	% Cover 55 5 40 Water		12 65 10 10 10 None	Sub	-Canopy Black Cl Quaking A Red Ma 5 -Canopy Tag Al	y Species herry Aspen aple y Species der	Low Low Medium Density Medium	Avg. Height Variable Variable Variable No Avg. Height 5 - 10 feet	Size Variable Variable Variable Size 5 - 10 feet	2015: Most of this stand will be river buffer if ever har	vested
56	Canopy Species Red Maple Quaking Aspen Black Cherry 500 -	% Cover 55 5 40 Water		12 65 10 10 10 None	Sub	-Canopy Black Cl Quaking A Red Ma 5 -Canopy Tag Al 5 -Canopy Tag Al	y Species herry Aspen aple y Species der	Low Low Medium Density Medium Density	Avg. Height Variable Variable Variable No Avg. Height 5 - 10 feet No Avg. Height	Size Variable Variable Variable Size 5 - 10 feet Size 5 - 10 feet	2015: Most of this stand will be river buffer if ever har	vested
56	Canopy Species Red Maple Quaking Aspen Black Cherry 500 -	% Cover 55 5 40 Water		12 65 10 10 None	Sub Sub Sub 6	-Canopy Black Cl Quaking A Red Ma 5 -Canopy Tag Al 5 -Canopy Tag Al	y Species herry Aspen aple y Species der	Low Low Medium Density Medium Density	Avg. Height Variable Variable Variable No Avg. Height 5 - 10 feet Avg. Height 5 - 10 feet	Size Variable Variable Variable Size 5 - 10 feet Size 5 - 10 feet	2015: Most of this stand will be river buffer if ever har	vested
56	Canopy Species Red Maple Quaking Aspen Black Cherry 500 -	% Cover 55 5 40 Water		12 65 10 10 None	Sub Sub Sub 6	-Canopy Black Cl Quaking A Red Ma 5 -Canopy Tag Al 5 -Canopy Tag Al	y Species herry Aspen aple y Species der y Species der	Density Low Low Medium Density Medium Density Medium	Avg. Height Variable Variable Variable No Avg. Height 5 - 10 feet No Avg. Height 5 - 10 feet	Size Variable Variable Variable Size 5 - 10 feet Size 5 - 10 feet	2015: Most of this stand will be river buffer if ever har	vested
56	Canopy Species Red Maple Quaking Aspen Black Cherry 500 -	% Cover 55 5 40 Water		12 65 10 10 None	Sub Sub Sub 6	-Canopy Black Cl Quaking A Red Ma 5 -Canopy Tag Al 6 -Canopy Tag Al	y Species herry Aspen aple y Species der y Species der	Density Low Low Medium Density Medium Density Medium Density Medium	Avg. Height Variable Variable Variable No Avg. Height 5 - 10 feet No Avg. Height 5 - 10 feet No Avg. Height	Size Variable Variable Variable Variable Size 5 - 10 feet Size 5 - 10 feet	2015: Most of this stand will be river buffer if ever har	vested
56 57 58	Canopy Species Red Maple Quaking Aspen Black Cherry 500 -	% Cover 55 5 40 Water Water		None DBH Ag 12 65 10 10 None	5 Sub 4 Sub 6 Sub	-Canopy Black Cl Quaking A Red Ma 5 -Canopy Tag Al 5 -Canopy Tag Al 6 -Canopy Tag Al	y Species herry Aspen aple y Species der y Species der	Density Low Low Medium Density Medium Density Medium Density Medium	Avg. Height Variable Variable Variable No Avg. Height 5 - 10 feet No Avg. Height 5 - 10 feet No Avg. Height 5 - 10 feet	Size Variable Variable Variable Variable Size 5 - 10 feet Size 5 - 10 feet	2015: Most of this stand will be river buffer if ever har	vested

Compartment: 15 Year of Entry: 2027 DNR DNR

Stand	Level 4 C	over Type		Size Density	Acres	Stand Age B	A Range	Managed S	iite	General Comments
60	6229 - Mixed	hrub	None	1.4			No	1		
61	42290 - Nati	ural Mixed I	Pine S	awtimber Mediun	n 2.4	90	51-80	N/A	١	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	50		14 90	Blac	k Spruce	Low	< 5 feet	< 5 feet	
	White Pine	5		14	Ja	ck Pine	Low	< 5 feet	< 5 feet	
	Jack Pine	45	Seedling	6						
62	622 - Lov	vland Shrul)	None	1.0			No	1	
					Sub-Ca	nopy Species	Density	Avg. Height	Size	
					Та	ıg Alder	High	5 - 10 feet	5 - 10 feet	
63	500	- Water		None	14.3			No	ı	
					Sub-Ca	nopy Species	Density	Avg. Height	Size	
					Та	ıg Alder	Medium	5 - 10 feet	5 - 10 feet	
64	6229 - Mixed	Lowland S	hrub	None	24.6			No	ı	
					Sub-Ca	nopy Species	Density	Avg. Height	Size	
						ig Alder	Medium	5 - 10 feet	5 - 10 feet	
65	500	- Water		None	6.8		No			_
					Sub-Ca	nopy Species	Density	Avg. Height	Size	
					Та	ig Alder	Full	5 - 10 feet	5 - 10 feet	
66	6229 - Mixed	Lowland S	hrub	None	11.9			No	ı	-
					Sub-Canopy Species		Density	Avg. Height	Size	
					Та	ıg Alder	High	5 - 10 feet	5 - 10 feet	
67	4136 - Asper	n, Mixed Co	nifer	Poletimber Well	3.9	36	1-50	N/A	٨	2005: Cut with sale #083-86. Mainly aspen with red maple, cherry and some conifers (tamarack, spruce and pine). Lower ground with tall,
	Canopy Species		Size Class	DBH Age		nopy Species	Density	Avg. Height	Size	dense shrubs, higher ground with smaller shrubs.
	Quaking Aspen	60	Sapling	5 36		d Maple	Medium	Variable	Variable	
	Tamarack	20	Sapling	5		ck Cherry	Low	Variable	Variable	
	Red Maple	15	Seedling	8	Га	marack	Medium	Variable	Variable	
	Black Spruce	5	Seedling	8						
68				Sapling Well	9.8	36	1-50	N/A		2005: Part of sale #083-86. Mainly aspen with red maple, cherry and \upbeta some conifers (tamarack, spruce and pine). Lower ground with tall,
	Canopy Species		Size Class			nopy Species	Density	Avg. Height	Size	dense shrubs, higher ground with smaller shrubs. S
	Red Maple	10	Combine	10	Blac	k Spruce	Low	10 - 20 feet	10 - 20 feet	
	Quaking Aspen Tamarack	50	Sapling	5 36						
		40	Sapling	5						
69	500	- Water		None	4.2			No		



Stand	d Level 4 Co	Size Density		Acres	Stand Age B	A Range	Managed Si	te	General Comments		
70	42210 - Nat	Sawtimber Well		1.4	90	81-110	N/A				
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	5	Seedling	6		Re	ed Pine	Low	Variable	Variable	
	Red Pine	70		16	90	Blac	k Spruce	Medium	Variable	Variable	
	White Pine	5		16		Wh	ite Pine	Medium	Variable	Variable	
	Jack Pine	20	Seedling	8		Ja	ck Pine	Medium	Variable	Variable	
71	6113 - Lowland Maple			Sawtimber Well		4.2 90		81-110	N/A		2005: Previously cut with stand 17 in C011. Mainly aspen with red
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	maple, cherry, tamarack,
	Black Cherry	5		10		Re	d Maple	Medium	Variable	Variable	2015: Majority of this stand appears to be uncut.
	Quaking Aspen	15		10				'	1		_
	Red Maple	80		10	90						
72	6239 - Mixed E	mergent W	/etland	No	ne	691.4			No		2015: Scattered trees and shrubs throughout.
						Sub-Cai	nopy Species	Density	Avg. Height	Size	
						Та	g Alder	Low	5 - 10 feet	5 - 10 feet	
73	3 122 - Road/Parking Lot				ne	8.6			No		
74	, 6229 - Mixed Lowland Shrub None			ne	32.5			No		2015: Scattered tag alder.	
75	622 - Low	land Shrul	b	No	ne	0.6		No			
76	42290 - Natu	ıral Mixed I	Pine	Sawtimber Poor		11.1 155		1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	5	Seedling	6		Ja	ck Pine	High	Variable	Variable	
	Red Pine	50		14	155		k Spruce	Low	Variable	Variable	
	White Pine	10		14		Re	ed Pine	Low	Variable	Variable	
	Jack Pine	35	Seedling	6		Sug	ar Maple	Medium	Variable	Variable	
						Pap	er Birch	Low	Variable	Variable	
77	6229 - Mixed	Lowland S	Shrub	No	ne	33.7		No			
							nopy Species	Density	Avg. Height	Size	
						Та	g Alder	Medium	5 - 10 feet	5 - 10 feet	
78	6121 - 7	Tamarack		Poletimb	er Well	43.6	91	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Seedling	6		Blac	k Spruce	Medium	Variable	Variable	
	Black Spruce	10	Seedling	5			marack	Low	Variable	Variable	
	Tamarack	75	Seedling	8	91	Re	d Maple	Low	Variable	Variable	
	Red Pine	10		16							



Stand	Level 4 C		Size Density		Acres Stand Age BA Range Managed Site				ite	General Comments	
79	622 - Lov	vland Shru	b	None		5.3			No		
						Sub-Can	opy Species	Density	Avg. Height	Size	
				None		Tag Alder		High	5 - 10 feet	5 - 10 feet	
80	3102	- Grass						No			
81	6229 - Mixed	Lowland S	Shrub	Nor	ne	1.6			No		
						Sub-Can	opy Species	Density	Avg. Height	Size	
						Тад	Alder	High	5 - 10 feet	5 - 10 feet	
88	4112 - Maple, Beech, Cherry Association			Sawtimber Well		4.1 65		81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Maple	60		12	65	Red	Maple	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	10		10		Black	Cherry	Low	5 - 10 feet	5 - 10 feet	
	Black Cherry	25		10		Quakii	ng Aspen	Low	5 - 10 feet	5 - 10 feet	
	White Spruce	5	Seedling	8			3 -1 -				_
100	3102 - Grass			None		1.0			No		used as camp site during hunting season and for fishing.
402	3102 - Grass			None		1.2			No		2025 Area is filling in with pine and some hardwood, next inventory will likely be forested