

### **Compartment Review Presentation**

**Newberry Forest Management Unit** 

Compartment 42075 Entry Year 2023 Acreage: 4,320

**County Chippewa** 

Management Area: Sage Truck Trail

**Revision Date: 2021-12-29** 

Stand Examiner: Jennifer Burnham

**Legal Description:** 

T45N R7W, Sections 21-27, 35, 36

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

Maintain forest productivity, forest health, species diversity, and age class diversity through silvicultural and natural processes of the area through proper management. Timber and wildlife habitat are both important management goals within the compartment. Treatments prescribed will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat. Maintain and/or improve the integrity of the deeryard and surrounding area.

### Soil and topography:

Topography consists of rolling upland areas to level wet lowland areas. The major soil type(s) associated with the lowland areas is Markey and Carbondale Mucks. Cover types supported on these muck soils include cedar, lowland swamp conifer, tamarack, and lowland black spruce. Narrow ridges of red pine and white pine are found throughout these cover types. The main upland soil type is Kalkaska sand, on which good quality northern hardwoods (maple) are found. In the "transition area" between the muck soils and the Kalkaska sand is an array of soils such as Allendale-Fibre complex, Wainola-KinrossRousseau complex, Croswell-Au Gres sands, Allendale-Croswell complex, Kinross-Au Gres complex and Biscuit very fine sandy loam. White pine, aspen, northern hardwoods and hemlock are cover types associated with this array of soils.

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

The compartment is mostly made up of a continuous block of State ownership. The compartment's east boundary is the Hiawatha National Forest. There are some seasonal cabins along the east edge of the compartment boundary on the surrounding private parcels. There is one private hunting camp (Hendrie River Camp) on the private land parcel located in the northeast corner of the compartment boundary. Development within the compartment and surrounding area is limited due to the lowland nature of the area. Land use in the area is primarily deer hunting.

### **Unique Natural Features:**

MNFI lists the potential for eagle, osprey, red-shouldered hawk, goshawk, great blue heron rookery. Potential wood turtle along creeks and rivers. Potential for incurvate emerald, frigga fritillary, freija fritillary and ebony boghaunter in open boggy areas. Potential for rare plants of rich mesic

forests: Assiniboia sedge, showy orchis, ginseng, and goblin fern. Potential for English sundew, northern prostrate clubmoss, alga pondweed, Wiegand's sedge, sweet colts-foot, and autumnal water star-wort in bogs. Potential for Canada ricegrass and western moonwort in dry grassy openings.

### Archeological, Historical, and Cultural Features:

Nothing listed.

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

#### Watershed and Fisheries Considerations:

The Hendrie River in this compartment is a cold transitional small river. Hendrie River and Quinn Creek are not designated trout streams, so standard BMP's should apply. Stand 39 needs to maintain a minimum of a 100 ft buffer plus 5 ft per 1% increase in slope per the BMP guidelines.

#### Wildlife Habitat Considerations:

Compartment 75 lies in western Chippewa county and is in the Seney Sand Lake Plain ecological sub-subsection and the Sage River Truck Trail Management Area where white-tailed deer, ruffed grouse, snowshoe hare, American marten, and black bear are featured species. The northwest portion of the compartment lies within the Hendrie River Deer yard which supports high numbers of deer during stressful winter periods. The majority of the compartment is comprised of a mix of lowland and mixed conifer types and spruce stands with the northern portion containing a bit more upland types with mixed deciduous, aspen and northern hardwoods. Stands are very diverse in the compartment supporting many varied wildlife

species. The railroad tracks border the western edge of the compartment and the Hendrie river runs through the central portion of the compartment serving as excellent wildlife travel corridors.

Harvests will generally be scheduled during winter to protect the integrity of lowland types. Large diameter white pine and hemlock and occasionally cedar the yellow birch will typically be retained in harvested stands to provide refuge and nest trees (bears and eagles) and later snags and den trees for wildlife such as cavity nesting birds and coarse woody debris for marten (featured species) and small mammals. Snowshoe hare habitat will be improved in lowlands by creating hinge cut brush piles into adjacent food stands. A wildlife corridor of mature timber will be retained through the compartment.

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

Sections 21-27 & 35-36, T45N-R7W, Chippewa County.

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for metallic minerals in this area. The nearest active sand/gravel pit is approximately two miles to the northwest, but potential for non-metallic mineral development within the compartment appears limited. No current mineral leasing activity exists in the area. The State does not own all mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights

### **Vehicle Access:**

Vehicle access into compartment is poor. The only vehicle access is in the northern portions of the compartment that come from a two-track leading off of the Basnau Road to the north. There are some roads in along the eastern edges of the compartment but little in the way of decent access leading

into the compartment. The western edges of the compartment are bordered by railroad tracks and lowland areas with no drivable roads.

#### **Survey Needs:**

If timber harvest treatments occur, some survey corners will need to be established in sections 24, 25 and 36 where they interface with other landowners.

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

Recreational opportunities would primarily include hunting (deer and grouse) as well as some fishing.

#### **Fire Protection:**

Possibility of large fire growth would be low because of the lowland cover types. The lack of access routes and soft ground will make initial attack with heavy equipment challenging or impossible. Modified suppression tactics may need to be used on fires in the compartment.

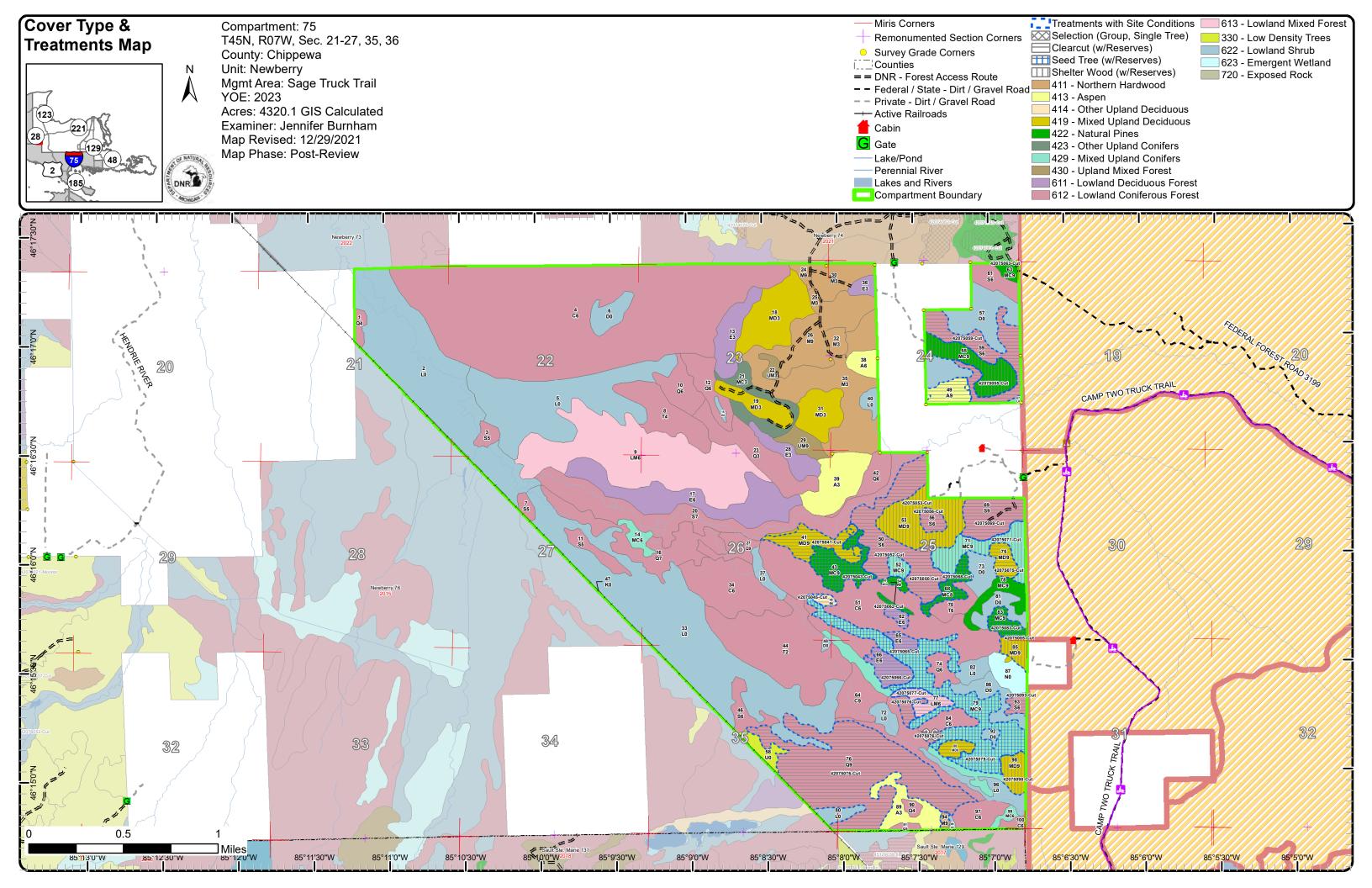
### **Additional Compartment Information:**

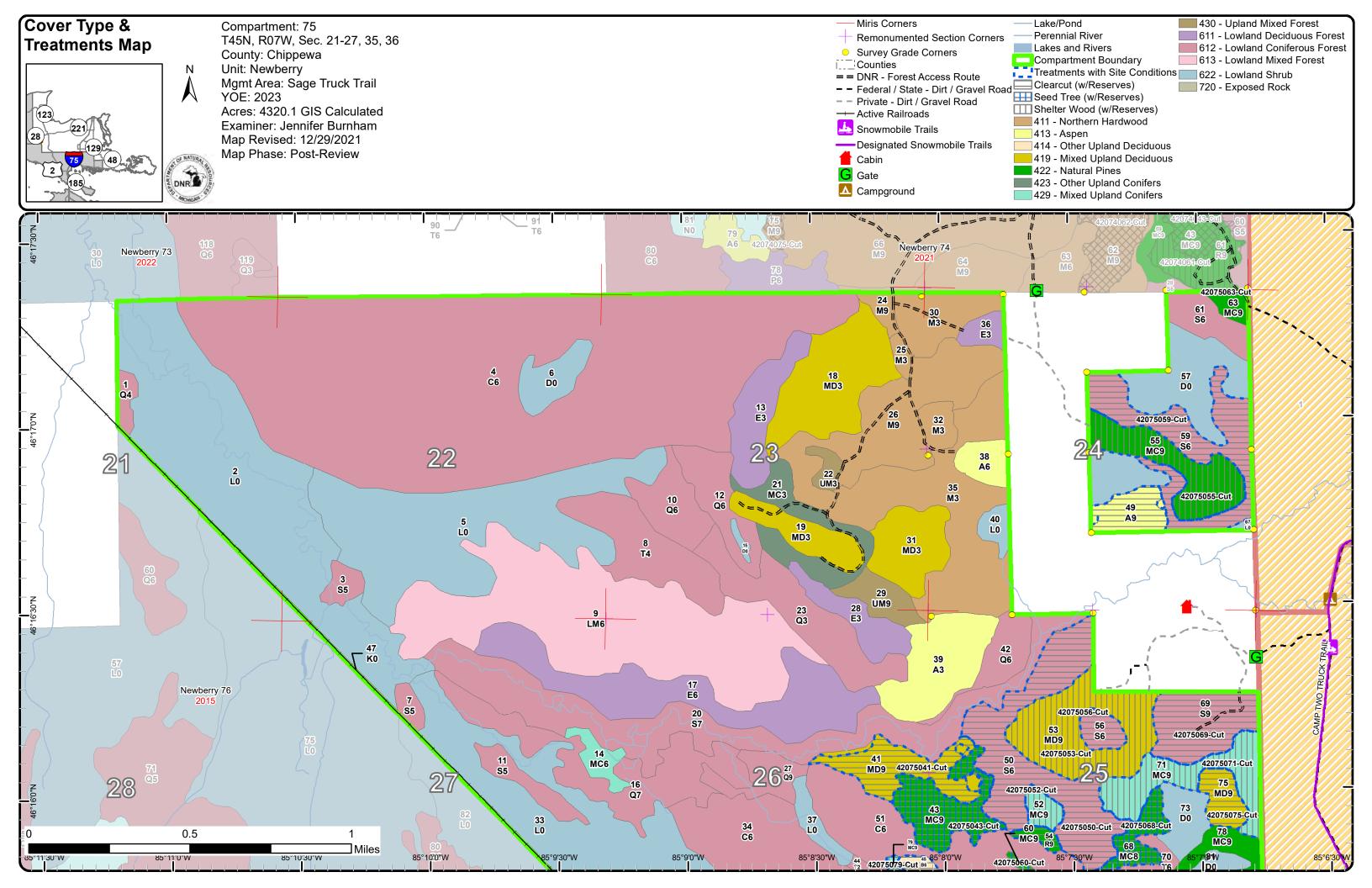
The following reports from the Inventory are attached:

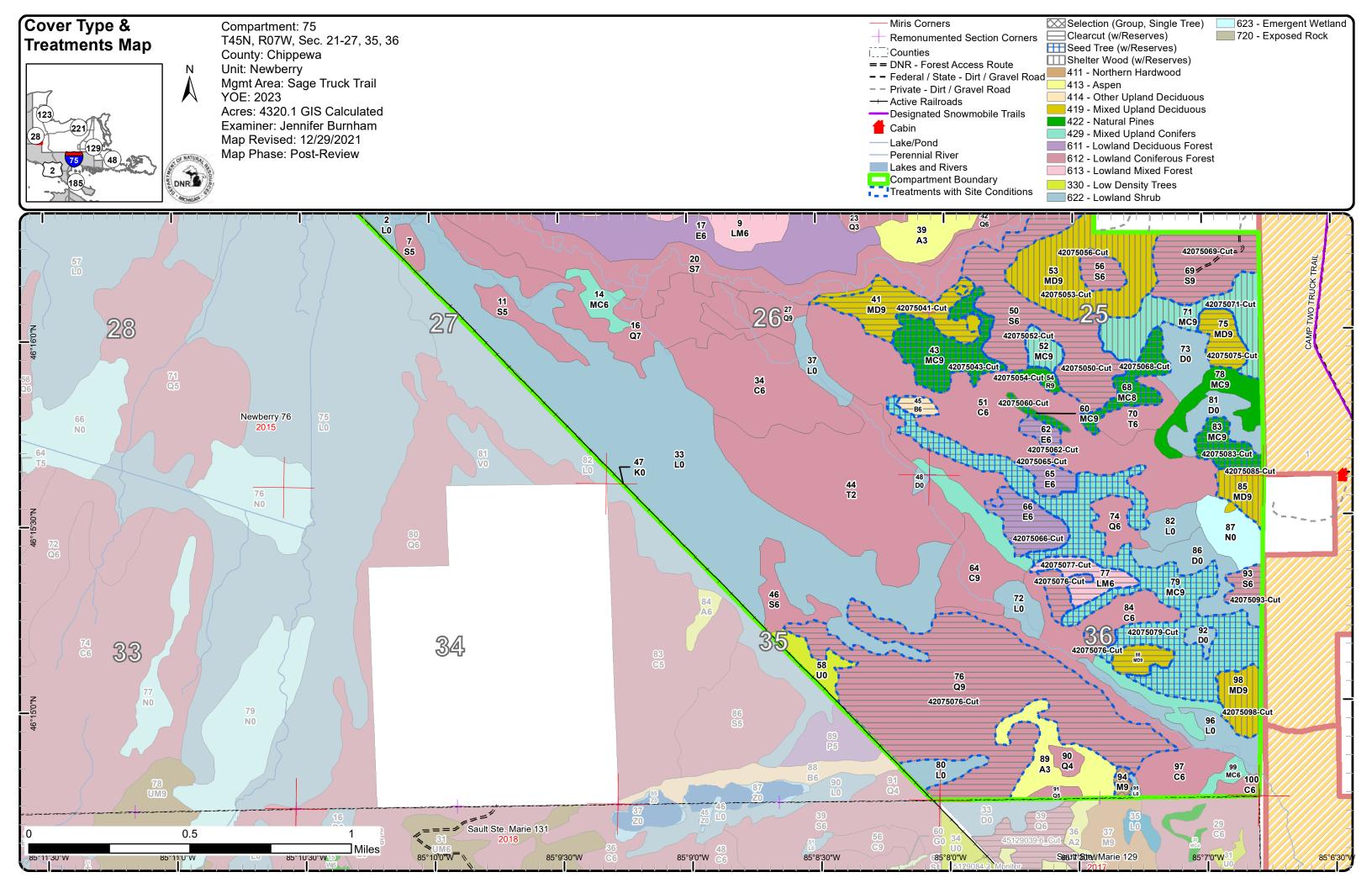
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

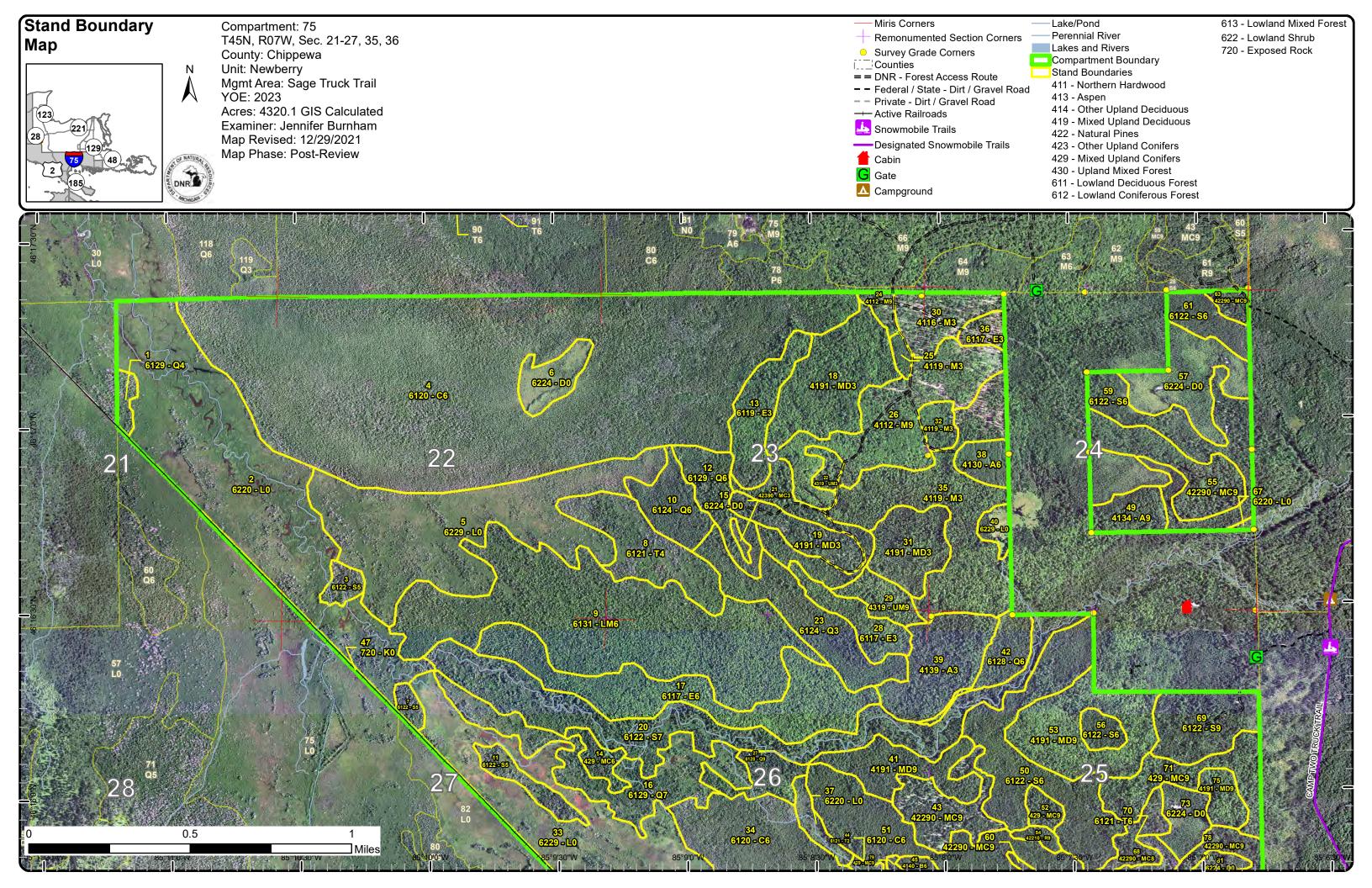
The following information is displayed, where pertinent, on the attached compartment maps:

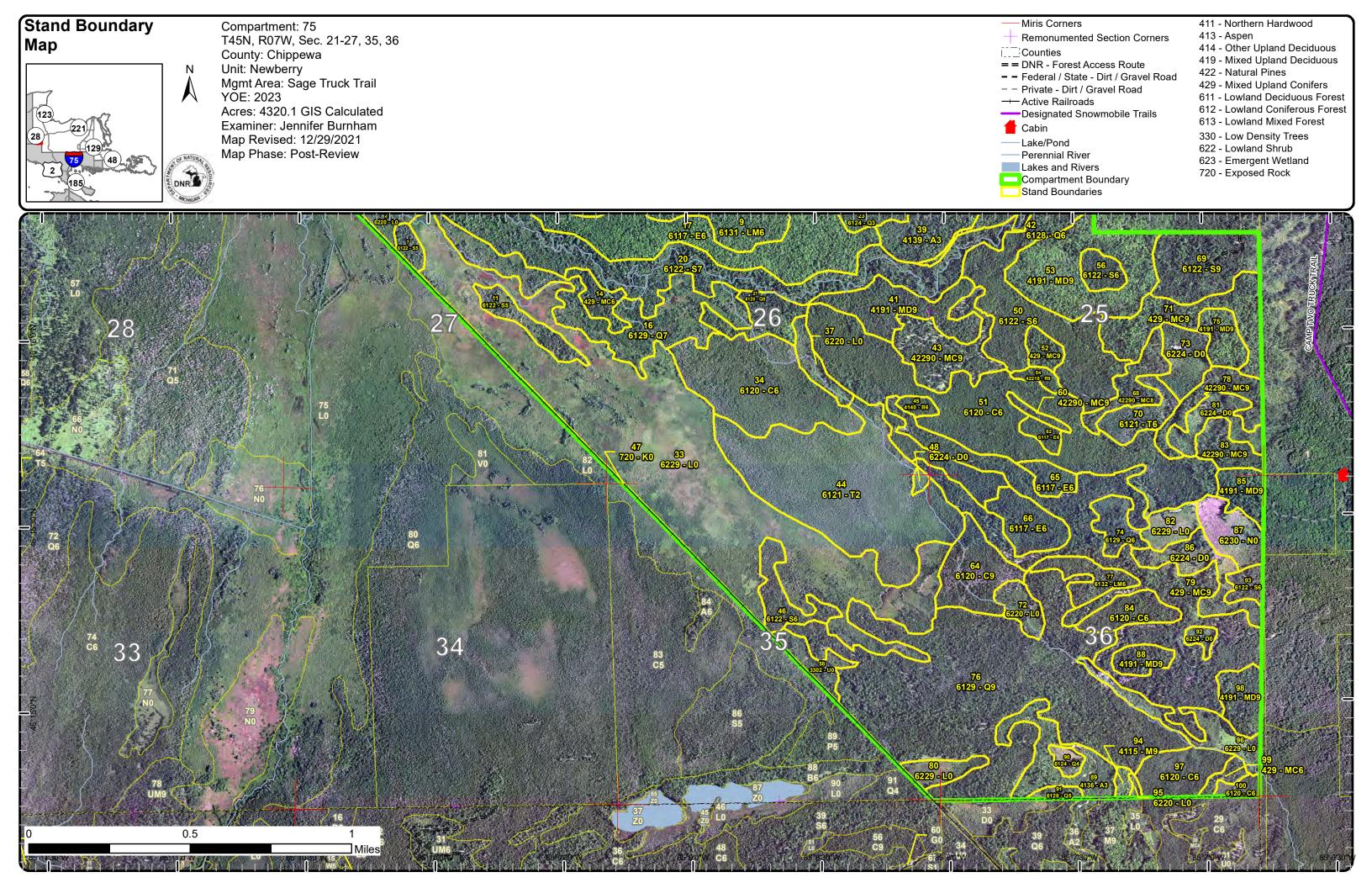
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

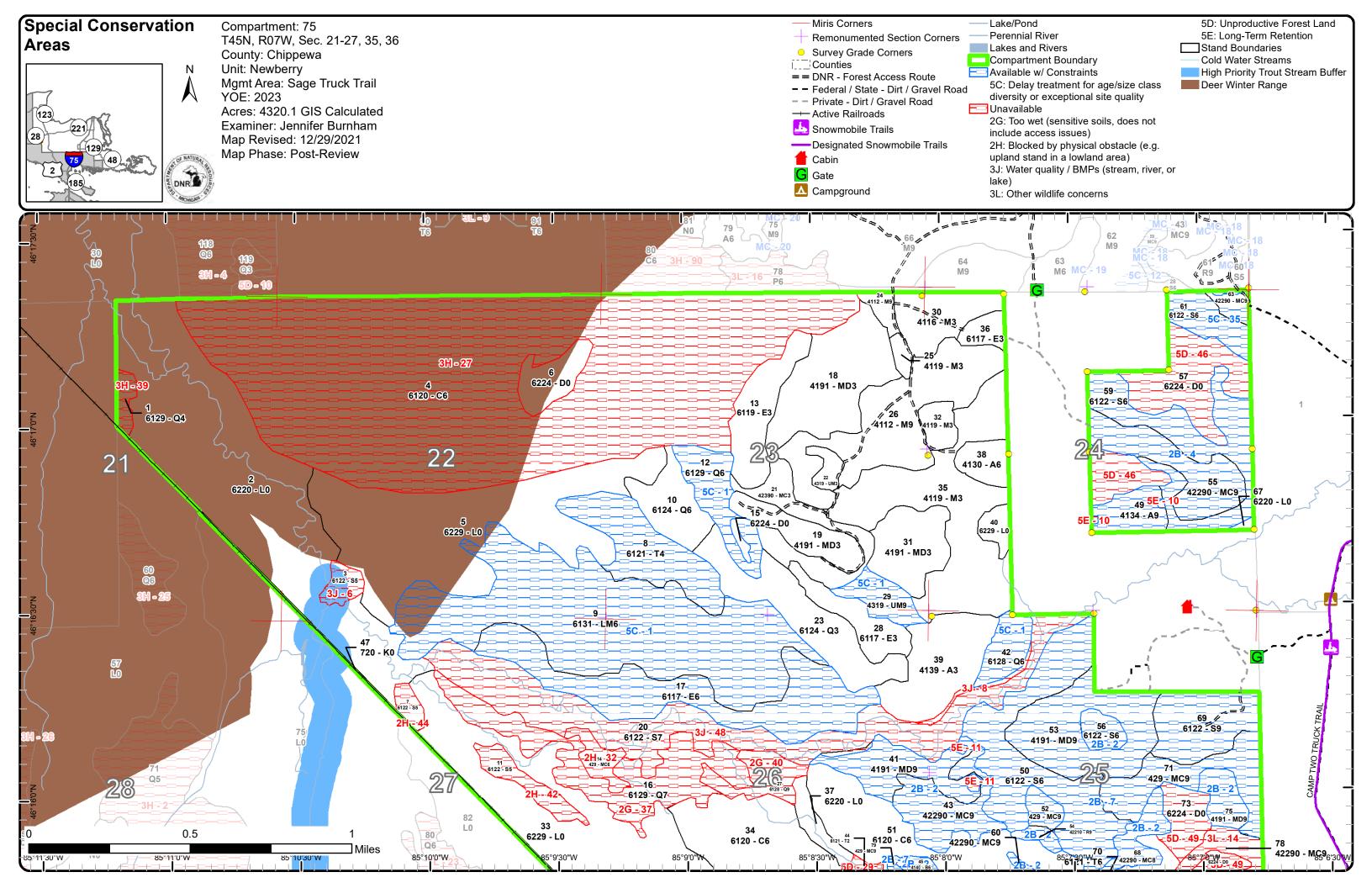


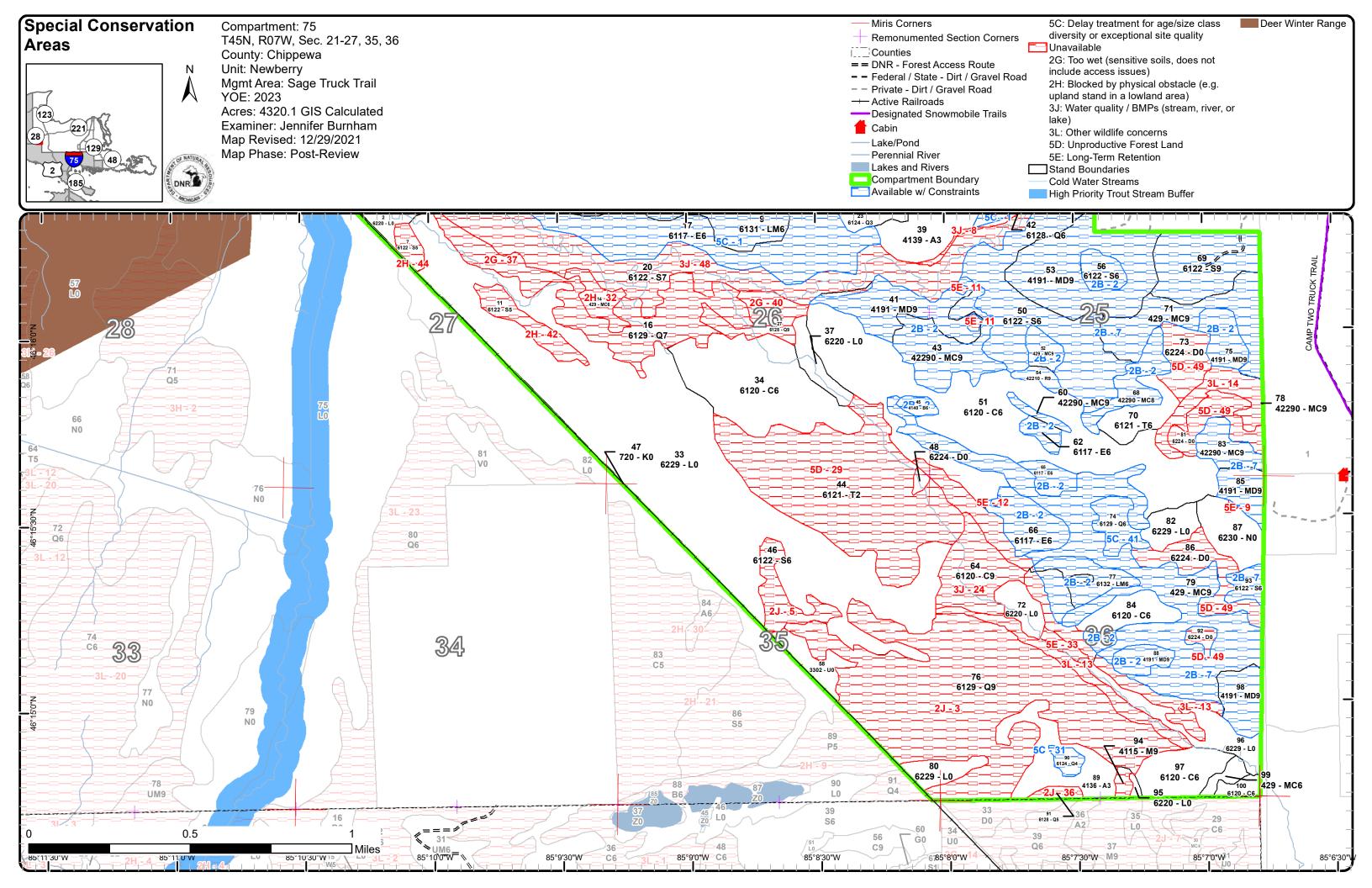












Newberry Mgt. Unit

Jennifer Burnham : Examiner

Compartment 75 Year of Entry 2023



### Age Class

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	45		% % / &		/ & &			/ 3 / &					, ZZ, ZZ, ZZ, ZZ, ZZ, ZZ, ZZ, ZZ, ZZ, Z					Ž K	No. No.
Aspen	0	48	29	0	13	0	0	0	0	17	0	0	0	0	0	0	0		107
Cedar	0	0	0	0	0	0	0	0	0	0	171	27	671	0	0	0	0	0	868
Exposed Rock	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Low-Density Trees	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Conifers	0	0	0	0	0	108	0	0	0	0	274	112	0	0	0	0	0	0	493
Lowland Deciduous	0	63	0	0	0	0	0	0	94	5	28	0	0	0	0	0	0	0	190
Lowland Mixed Forest	0	0	0	0	0	0	0	214	0	0	14	0	0	0	0	0	0	0	228
Lowland Shrub	754	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	754
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	127	54	113	87	0	0	0	0	6	387
Marsh	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	96	0	0	0	24	0	0	0	41	102	0	0	0	0	0	0	0	263
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	6	50	36	39	0	0	0	0	0	131
Northern Hardwood	0	130	0	0	13	0	0	0	0	0	0	3	0	0	0	0	0	89	235
Paper Birch	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Red Pine	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Tamarack	0	0	0	0	0	0	15	0	49	0	0	0	139	0	0	0	0	0	202
Treed Bog	146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	146
Upland Conifers	0	0	0	0	0	31	0	0	0	0	5	198	7	0	0	0	0	0	240
Upland Mixed Forest	0	0	0	0	0	6	0	0	0	0	15	0	0	0	0	0	0	0	21
Total	943	337	29	0	26	169	15	214	143	200	713	493	943	0	0	0	0	95	4316



## **Report 2 – Treatment Summary**

## Newberry Mgt. Unit Year of Entry: 2023

### **Acres of Harvest**

Compartment 75
Total Compartment Acres: 4,320

Commercial Harvest - 63 Harvests with Site Condition - 845 Next Step Harvest - 0 Habitat Cut - 0

### **Cover Type by Harvest Method**

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Aspen		17	0	0	0	0	0	0	0	0	17
Lowland Conifers		223	0	0	0	0	0	0	0	0	223
Lowland Deciduous		33	0	0	0	0	0	0	0	0	33
Lowland Mixed Forest		14	0	0	0	0	0	0	0	0	14
Lowland Spruce/Fir		197	0	0	0	0	0	0	0	0	197
Mixed Upland Deciduous		53	0	0	0	87	0	0	0	0	140
Natural Mixed Pines		0	0	0	67	40	0	0	0	0	106
Northern Hardwood		0	3	0	0	0	0	0	0	0	3
Paper Birch		4	0	0	0	0	0	0	0	0	4
Red Pine		4	0	0	0	0	0	0	0	0	4
Upland Conifers		0	0	0	122	45	0	0	0	0	167
	Total	545	3	0	189	172	0	0	0	0	909

### **Proposed and Next Step Treatments by Method**

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Current		909	0	0	0	0	0	0	0	0	909	
Next Step		0	0	0	0	0	0	909	0	0	909	
	Total	909	0	0	0	0	0	909	0	0	1817	

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Report 3 -- Treatments

Compartment: 75 Year of Entry: 2023



**Treatment** Name

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Acres

Stand CoverType

with Conifer

Size Density

Stand Age

**Treatment** BA Range Type

**Treatment** Method

Cover Type Objective

Age Structure Habitat Cut

#### **Approved Treatments:**

42075041-Cut 30.9 4191 - Mixed Upland Deciduous Sawtimber Well

90 81-110 Harvest

Clearcut with Retention

4191 - Mixed Upland

Even-Aged Nο

Deciduous with Conifer

Prescription Harvest all species to a 2" spec. Leave all white pine over 22" DBH, cedar and hemlock on the boundary for future nest trees and in the

Specs:

retention areas (estimate of location).

Next Step **Treatments**: Monitoring, Natural Regen (Re-Inventory)

Regen:

Acceptable Species that are currently present in stand now.

Other Comment:

Stand is blocked by the Hendrie River to the north, various landowners to the east, road-less areas to the south and railroad/wetlands to the west. Probably the best option to access the stand for harvesting operations would be to use an old existing logging road on the north side of the Hendrie River and finding a place to cross with a portable bridge. It will take some re-con to identify a location for a bridge site where

there is

stable banks and minimal wetland impact. It may be that there is not a good place for a bridge site. The other possible alternative would be

to improve/establish roads across private land as well as Forest Service Land to the east to access the stand area.

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

42075043-Cut

33 1

42290 - Natural Mixed Pine

Sawtimber 105 81-110

Well

Harvest

Seed Tree with 429 - Mixed Retention Upland Conifers Even-Aged

Nο

Prescription Residual BA should be no more than 30. Leaving red and white pine with large tops for retention and seed source and any cedar. Leave hemlock for future nest trees.

Specs:

Next Step Treatments:

Monitoring, Natural Regen (Re-Inventory)

Regen:

**Other** Comment:

Acceptable Species that are currently present in stand now.

Stand is blocked by the Hendrie River to the north, various landowners to the east, road-less areas to the south and railroad/wetlands to the west. Probably the best option to access the stand for harvesting operations would be to use an old existing logging road on the north side of the Hendrie River and finding a place to cross with a portable bridge. It will take some re-con to identify a location for a bridge site where there is stable banks and minimal wetland impact. It may be that there is not a good place for a bridge site. The other possible alternative would be to improve/establish roads across private land as well as Forest Service Land to the east to access the stand area.

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

42075045-Cut

3.9 4140 - Other **Upland Deciduous** 

Poletimber

80 51-80 Harvest

Clearcut with Retention

4193 - Birch, Aspen

Even-Aged

No

Prescription Treat stand by removing all species. Leave cedar in the red line and near stand 51 as retention. Mark younger/healthy white birch to be left as seed source.

Specs:

Monitoring, Natural Regen (Re-Inventory)

Next Step Treatments:

Acceptable Species that are currently present in stand now.

Regen: Other

Comment:

Stand is blocked by the Hendrie River to the north, various landowners to the east, road-less areas to the south and railroad/wetlands to the west. Probably the best option to access the stand for harvesting operations would be to use an old existing logging road on the north side of

Hendrie River and finding a place to cross with a portable bridge. It will take some re-con to identify a location for a bridge site where there is stable banks and minimal wetland impact. It may be that there is not a good place for a bridge site. The other possible alternative would be to improve/establish roads across private land as well as Forest Service Land to the east to access the stand area.

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

Compartment: 75

Year of Entry: 2023

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а **Treatment** Stand Stand BA **Treatment Treatment** Cover Type Acres Size Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut Ч 49 42075049-Cut 16.7 4134 - Aspen. Sawtimber 85 81-110 Harvest Clearcut with 4136 - Aspen. Even-Aged No Spruce/Fir Mixed Conifer Well Retention Prescription Treat with final harvest with patch retention with the objective of establishing regeneration. In addition, leave white pine and hemlock unless

Specs: needed for maneuverability and leave some mature aspen in the red line.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Species that are currently present in stand now.

Regen:

**Other** Place retention patch in an area with larger wp and hemlock.

Comment:

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

42075050-Cut 87.1 6122 - Black Spruce Poletimber Clearcut with 6122 - Black 115 111-Harvest Even-Aged Nο Retention Spruce

Prescription Harvest all species to a 2" spec. Leave all white pine over 22" DBH and hemlock. Establish a couple 'no cut' pockets for cedar retention approximately 1 acre in size where no logging is to occur. Create 6 hinge cut groups near the edge of stand 53 for snowshoe hare; hinge cut Specs: groups are three (3) 8-12 inch spruce or fir trees hinge cut with tops overlapping.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Species that are currently present in stand now.

Regen:

Other Stand is blocked by the Hendrie River to the north, various landowners to the east, road-less areas to the south and railroad/wetlands to the Comment: west. Probably the best option to access the stand for harvesting operations would be to use an old existing logging road on the north side of the Hendrie River and finding a place to cross with a portable bridge. It will take some re-con to identify a location for a bridge site where

stable banks and minimal wetland impact. It may be that there is not a good place for a bridge site. The other possible alternative would be to improve/establish roads across private land as well as Forest Service Land to the east to access the stand area.

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

52 42075052-Cut 7.2 429 - Mixed Upland Sawtimber 115 81-110 Harvest Shelterwood with 429 - Mixed Two-Aged No Conifers Well Retention **Upland Conifers** 

Prescription Remove all species. Only remove hemlock and cedar for what is needed for operability purposes; this will create bear escape trees. Mark white pine where needed to increase canopy gaps for regeneration. Residual BA should be approx. 50. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** 

Acceptable Species that are currently present in stand now. Regen:

Other Comment:

Stand is blocked by the Hendrie River to the north, various landowners to the east, road-less areas to the south and railroad/wetlands to the west. Probably the best option to access the stand for harvesting operations would be to use an old existing logging road on the north side of the Hendrie River and finding a place to cross with a portable bridge. It will take some re-con to identify a location for a bridge site where

stable banks and minimal wetland impact. It may be that there is not a good place for a bridge site. The other possible alternative would be to improve/establish roads across private land as well as Forest Service Land to the east to access the stand area.

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

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11-1-14-4	

a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
53	42075053-Cut	59.5	4191 - Mixed Upland Deciduous with Conifer	Sawtimbe Well	r 95	81-110	Harvest	Shelterwood with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
Pres Spec		•	e, yellow birch, and ro ould be approx. 50.	ed maple o	ver 22"	DBH for f	uture soft snaç	gs. Leave all hemlock	and cedar prese	ent as retention	-
Next	Step Monitor	ing, Natu	ıral Regen (Re-Inven	tory)							

Next Step Monitoring, Natural Regen (Re-Inventory Treatments:

Acceptable Species that are currently present in stand now.

Other Comment:

Regen:

Stand is blocked by the Hendrie River to the north, various landowners to the east, road-less areas to the south and railroad/wetlands to the west. Probably the best option to access the stand for harvesting operations would be to use an old existing logging road on the north side of

the Hendrie River and finding a place to cross with a portable bridge. It will take some re-con to identify a location for a bridge site where

stable banks and minimal wetland impact. It may be that there is not a good place for a bridge site. The other possible alternative would be to improve/establish roads across private land as well as Forest Service Land to the east to access the stand area.

Site Condition

Proposed Start Date: 10/1 /2022

54 42075054-Cut 4.2 42210 - Natural Sawtimber 100 Clearcut with 111-Harvest 42211 - Natural Even-Aged No Red Pine Red Pine, Well 140 Retention Mixed Deciduous

<u>Prescription</u> Remove all species. Leave pine over 22" DBH as seed source and any cedar or hemlock on the south edge of the stand. Residual BA specis: should not be more than 10 BA.

Next Step Monitoring, Natural Regen (Re-Inventory)

Next Step Treatments:

Acceptable Species that are currently present in stand now.

Regen:

Other Harvesting on bare ground will help to scarify for pine regeneration.

Comment:

<u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2022

55 42075055-Cut 38.9 42290 - Natural Sawtimber 116 81-110 Harvest Shelterwood with 429 - Mixed Even-Aged No Mixed Pine Well Retention Upland Conifers

<u>Prescription</u> Harvest all species to a 2" spec, leaving 30 BA of large canopy pine for seed source. Leave mature aspen in the red line for grouse <u>Specs:</u>

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Species that are currently present in stand now.

Regen:

Other Permission will need to be granted by the private landowner to gain access to the stand. There is an old existing road on private land leading to State land that will need improvement, trees cut/trimmed, etc. Area will need a formal survey.

<u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2022

No

Compartment: 75

Year of Entry: 2023

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а **Treatment** Stand Stand BA **Treatment Treatment** Cover Type Acres Size Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut Ч

56 42075056-Cut 8.9 6122 - Black Spruce Poletimber 81-110 Harvest Clearcut with 6122 - Black Even-Aged Well Retention Spruce

Prescription Harvest all species to a 2" spec. Leave white pine, hemlock for bear escape trees, yellow birch and cedar as retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Species that are currently present in stand now.

Regen:

**Other** Stand is blocked by the Hendrie River to the north, various landowners to the east, road-less areas to the south and railroad/wetlands to the Comment:

west. Probably the best option to access the stand for harvesting operations would be to use an old existing logging road on the north side of the Hendrie River and finding a place to cross with a portable bridge. It will take some re-con to identify a location for a bridge site where

stable banks and minimal wetland impact. It may be that there is not a good place for a bridge site. The other possible alternative would be

to improve/establish roads across private land as well as Forest Service Land to the east to access the stand area.

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

Even-Aged 42075059-Cut 56.0 6122 - Black Spruce Poletimber 100 81-110 Harvest Clearcut with 6122 - Black No Retention Spruce

Prescription Final harvest down to 2" DBH leaving all pine and hemlock and cedar that exists as retention. Areas of small diameter spruce not harvested Specs: will also be part of retention.

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

<u>Acceptable</u> Species that are currently present in stand now.

Regen:

Stand is blocked by the Hendrie River to the north, various landowners to the east, road-less areas to the south and railroad/wetlands to the **Other** west. Probably the best option to access the stand for harvesting operations would be to use an old existing logging road on the north side of Comment:

the Hendrie River and finding a place to cross with a portable bridge. It will take some re-con to identify a location for a bridge site where

stable banks and minimal wetland impact. It may be that there is not a good place for a bridge site. The other possible alternative would be

to improve/establish roads across private land as well as Forest Service Land to the east to access the stand area.

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

42075060-Cut 3.3 42290 - Natural Sawtimber 100 51-80 Harvest Seed Tree with 429 - Mixed Even-Aged No Mixed Pine Well Retention **Upland Conifers** 

Prescription Harvest all species to a 2" spec. Leave 30 BA of pine with large tops for seeds source.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Species that are currently present in stand now.

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

S t		Newber	ry Mgt. Unit	I	Repo	rt 3 1	<b>Freatments</b>		Compartmen Year of Entry		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
62	42075062-Cut	5.3	6117 - Lowland Deciduous, Mixed Coniferous	Poletimbe Well	r 85	51-80	Harvest	Clearcut	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	No
Pres Spe		t all spec	ies to a 2" spec. No	retention du	ie to sn	nall acrea	ge and large ce	edar stand to the we	st/south.		
	<u>t Step</u> Monitor atments:	ing, Natu	ıral Regen (Re-Inver	ntory)							
Acc Reg		s that are	currently present in	stand now.							
Othe Con	<u>er</u> Manag nment:	e for rege	neration and potenti	al food sou	rce.						
Site	Condition Unk	nown Ac	cess								
Prop	posed Start Date	10/1 /2	022								
63	42075063-Cut	0.6	42290 - Natural Mixed Pine	Sawtimbe Well	r 85	81-110	Harvest	Shelterwood with Retention	4199 - Other Mixed Upland Deciduous	Two-Aged	No
Pres Spe			n retention. Residua generation following				ed pine. Stand	is on a good hardw	ood site. Convert	the stand to	hardwoods
	t Step Monito	ring, Natu	ıral Regen (Re-Inver	ntory)							
Acc Reg		ıpland de	ciduous with mixed	red and whi	te pine						
Othe Con	<u>er</u> Stand i nment:	s .5 acre	goes with the sale to	the north i	n C74.						
Site	Condition										
Prop	posed Start Date	10/1 /2	020								
65	42075065-Cut	8.1	6117 - Lowland Deciduous, Mixed Coniferous	Poletimbe Well	r 90	81-110	Harvest	Clearcut	6117 - Lowland Deciduous, Mixed	Even-Aged	No

<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>

Acceptable Species that are currently present in stand now.

Regen:

Manage for regeneration and potential food source. <u>Other</u>

Comment:

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

S t a		Newberr	y Mgt. Unit		Repoi	rt 3 1	<b>Freatments</b>		Compartmen Year of Entry		DNR MICHIGAN
n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
66	42075066-Cut	19.6	6117 - Lowland Deciduous, Mixed Coniferous	Poletimbe Well	r 90	81-110	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	No
Pres Spe		t all speci	es to a 2" spec. Lea	ve retentio	n pocke	t on lower	ground where	more represented s	species are preser	nt.	
	t Step Monitor atments:	ring, Natu	ral Regen (Re-Inver	ntory)							
Acc Reg		s that are	currently present in	stand now.							
Othe Com	<u>er</u> nment:										
	Condition Unk	nown Acc									
68	42075068-Cut	16.9	42290 - Natural Mixed Pine	Sawtimbe Medium	r 90	81-110	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Even-Aged	No
Pres Spe			uld be no more thar n, leave some matui								k and
	t Step Monitor	ring, Natu	ral Regen (Re-Inver	ntory)							
Acc Reg		s that are	currently present in	stand now.							
Othe Com	<u>er</u> nment:										
Site	Condition Unk	nown Ac	cess								
Prop	oosed Start Date	10/1 /2	)22								
69	42075069-Cut	38.3	6122 - Black Spruce	Sawtimbe	r 95	81-110	Harvest	Clearcut with	6122 - Black	Even-Aged	No

Well Retention Spruce

Prescription Harvest all species to a 2" spec. Leave all white pine over 22" DBH, cedar and hemlock. Hinge cuts into stand 53 for snowshoe hare via 3 groups, hinge cut groups are three (3) 8-12 inch spruce or fir trees hinge cut with tops overlapping. Specs:

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Species that are currently present in stand now.

Regen:

<u>Other</u> Old winter roads in the area that can be used to access stands.

Comment:

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

Compartment: 75

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**Treatment** Stand Size Stand BA **Treatment Treatment** Cover Type Acres Age Habitat n Method Name CoverType Density Age Range Type Objective Structure Cut

71 42075071-Cut 38.0 429 - Mixed Upland Sawtimber 108 81-110 Harvest Shelterwood with 429 - Mixed Two-Aged No Conifers Retention **Upland Conifers** Well

Prescription Harvest all species to a 2" spec. Leave all white pine over 22" DBH, cedar, yellow birch, and hemlock. Residual BA should be more than 40. Leave a component of aspen or birch for future snags. 4 hinge cut groups into stand 75; hinge cut groups are three (3) 8-12 inch spruce or fir Specs:

trees hinge cut with tops overlapping.

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable Species that are currently present in stand now.

Regen: Other Comment:

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

80 42075075-Cut 12.9 4191 - Mixed Sawtimber 81-110 Harvest Clearcut with 4199 - Other No 75 Even-Aged **Upland Deciduous** Retention Mixed Upland with Conifer Deciduous

Prescription Harvest all species. Leave all white pine over 22" DBH, cedar and hemlock. In addition, leave a component of mature birch and/or aspen Specs: along the red line for future cavity trees.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Species that are currently present in stand now.

<u>Other</u> Comment:

Regen:

Site Condition Unknown Access Proposed Start Date: 10/1 /2022

42075076-Cut Sawtimber Clearcut with 612 - Lowland 223.1 6129 - Mixed 95 81-110 Harvest Even-Aged Nο Coniferous Lowland Well Retention Coniferous Forest Forest

Prescription Harvest all species to a 2" spec. Leave all white pine over 22" DBH. Cedar and hemlock retention should be placed in pockets where the BA is higher to allow for better regeneration of all species. Retention can also be placed in the lobes of the stand that stretch out into the other Specs: lowland types.

Next Step Monitoring, Natural Regen (Re-Inventory)

**Treatments:** 

Acceptable Species that are currently present in stand now.

Regen:

Difficult to access stand for treatment, the RR corridor would need to be crossed under permit of the RR company and new road would need **Other** Comment: to be constructed though stand. Quinn Creek flows adjacent and through portions of stand, flow BMP guidelines.

Site Condition Blocked by Railroad Proposed Start Date: 10/1 /2022

<u>Prescription</u> Residual BA should be no more than 40. Leaving red and white pine with large tops for retention and seed source and any cedar, hemlock, <u>Specs:</u> mature birch and/or aspen for wildlife in the boundary line.

<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Species that are currently present in stand now.

Regen:

Other Comment:

<u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2022

Proposed Start Date: 10/1 /2022

Unknown Access

Other Comment: Site Condition

Newberry Mgt. Unit Report 3 -- Treatments Compartment: 75 s t Year of Entry: 2023 а Cover Type Objective Age Structure **Treatment** Acres Stand Size Stand ВА Treatment Treatment Habitat n Name CoverType Density Age Method Range Type d Cut

Total Treatment 908.5 Acreage Proposed:

Compartment: 75

Newberry Mgt. Unit

Jennifer Burnham : Examiner Year of Entry: 2023

Availa	ability for	Managemen	ıt											
Total	Acres	Acres Avail	Acres		omina	nt Site	Con	ditions	3					
Acres	Available	With Condition	Not Available		2B	5C	2G	2H	2J	3H	3J	3L	5D	5E
107	90	17	1	Aspen	17	0			0					1
869	270	0	598	Cedar	0		0			569	30			
13	12	0	1	Exposed Rock				1	0	0				
11	11	0	0	Low-Density Trees					0					
493	80	71	342	Lowland Conifers	11	60	87	0	216	6	3	26		3
191	63	127	1	Lowland Deciduous	33	94						0		1
228	0	228	0	Lowland Mixed Forest	14	214						0		
754	754	0	0	Lowland Shrub	0	0	0		0					
386	0	215	171	Lowland Spruce/Fir	197	18		20	17		134			0
19	19	0	0	Marsh										
205	121	80	3	Mixed Upland Deciduous	80						1	0		2
109	1	108	0	Natural Mixed Pines	102	6								
235	233	0	3	Northern Hardwood		0			3					
4	0	4	0	Paper Birch	4									
4	0	4	0	Red Pine	4									
202	15	49	138	Tamarack	0	49							138	
146	22	0	123	Treed Bog	0	0						0	123	
240	35	167	38	Upland Conifers	167	0	0	10				28		
21	6	15	0	Upland Mixed Forest		15								
4,238	1,733	1,086	1,419	Total Forested Acres	630	456	87	31	236	575	168	54	262	7
	41%	26%	33%	Relative Percent										· ·

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	415	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
C	comments:	<u> </u>					
٧	Vait 10 years to ha	rvest. Access best through the	NW an	d old logging roads that are	in the correct places.		

Newberry Mgt. Unit

Jennifer Burnham : Examiner

2	Available	2B: Unknown if access through adjacent landowner(s) is possible	188	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Old road worth fixing	ng up from PVT to west for acc	ess. Pot	ential access from FS, if we	can make a new road th	rough pine ridges to the ea	st.
3	Unavailable	2J: Blocked by Railroad	216	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
	Comments: Access is going to	be from the south over the RR	tracks o	or from the north through PV	Γ and with a bridge over	the Quinn Creek.	
4	Available	2B: Unknown if access through adjacent landowner(s) is possible	112	2I: Survey needed	Unspecified	Unspecified	Unspecified
	Comments: Old road worth fixing	ng up from PVT to west for acc	ess. Pot	ential access from FS, if we	can make a new road th	rough pine ridges to the ea	st.
5	Unavailable	2J: Blocked by Railroad	17	5C: Delay treatment for age/size class diversity	Unspecified	Unspecified	Unspecified
				or exceptional site quality			
	Comments: The southern part of	of the stand may have some ar	ea to ha	or exceptional site quality			
6		of the stand may have some ar 3J: Water quality / BMPs (stream, river, or lake)	rea to ha	or exceptional site quality	Unspecified	Unspecified	Unspecified
6	The southern part of	3J: Water quality / BMPs		or exceptional site quality  arvest.  2H: Blocked by physical obstacle (e.g. upland	Unspecified	Unspecified	Unspecified
6	The southern part of Unavailable	3J: Water quality / BMPs		or exceptional site quality  arvest.  2H: Blocked by physical obstacle (e.g. upland	Unspecified	Unspecified	Unspecified

Compartment: 75

Newberry Mgt. Unit

Jennifer Burnham : Examiner Year of Entry: 2023

nments: road worth fixing Unavailable nments:	g up from PVT to west for access 3J: Water quality / BMPs (stream, river, or lake)	ss. Po	tential access from FS, if we	can make a new road thi	annala mina midana As O	
		3			rough pine riages to the eas	st.
nments:			2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
nage leading to	Hendrie River.					
Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
nments: road worth fixin	g up from PVT to west for acces	ss. Po	tential access from FS, if we	can make a new road thi	rough pine ridges to the eas	st.
Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
nments: ention for stand	49.					
Unavailable	5E: Long-Term Retention	2	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
nments: road worth fixin	g up from PVT to west for acce	ss. Po	tential access from FS, if we	can make a new road thi	rough pine ridges to the eas	st.
Unavailable	5E: Long-Term Retention	1	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
nments: road worth fixin	g up from PVT to west for acce	ss. Po	tential access from FS, if we	can make a new road thi	rough pine ridges to the eas	st.
	ments: oad worth fixing Jnavailable ments: ntion for stand Jnavailable ments: oad worth fixing Jnavailable ments:	ments: coad worth fixing up from PVT to west for access  Jnavailable 5E: Long-Term Retention  ments: coad ments: coad worth fixing up from PVT to west for access  Jnavailable 5E: Long-Term Retention  ments: coad worth fixing up from PVT to west for access  Jnavailable 5E: Long-Term Retention  ments: coad ments:	ments: pad worth fixing up from PVT to west for access. Poly Jnavailable 5E: Long-Term Retention 1 ments: Intion for stand 49.  Jnavailable 5E: Long-Term Retention 2 ments: Doad worth fixing up from PVT to west for access. Poly Jnavailable 5E: Long-Term Retention 1  Jnavailable 5E: Long-Term Retention 1  ments:	ments:  pad worth fixing up from PVT to west for access. Potential access from FS, if we define the part of the pa	ments: pad worth fixing up from PVT to west for access. Potential access from FS, if we can make a new road the Unspecified Un	ments: pad worth fixing up from PVT to west for access. Potential access from FS, if we can make a new road through pine ridges to the east  Jnavailable 5E: Long-Term Retention 1 Unspecified Unspecified Unspecified  Ments: Intion for stand 49.  Jnavailable 5E: Long-Term Retention 2 2B: Unknown if access through adjacent landowner(s) is possible  ments: Doad worth fixing up from PVT to west for access. Potential access from FS, if we can make a new road through pine ridges to the east  Jnavailable 5E: Long-Term Retention 1 2B: Unknown if access through adjacent landowner(s) is possible

Newberry Mgt. Unit

Jennifer Burnham : Examiner

13	Unavailable	3L: Other wildlife concerns	54	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Wildlife travel corri	dor per recommendation from b	iologis	t in pre-review 2021. Corridor	will have to be crossed	with temporary road upon t	mber sale.
14	Unavailable	3L: Other wildlife concerns	19	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Per pre-review in 2	2021, stand will not be harvested	I to pro	vide a wildlife corridor.			
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	30	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
	Comments:						
27	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	569	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
	Comments: Obligate deer yard						
29	Unavailable	5D: Unproductive Forest Land	138	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: May need 20 more	years before harvesting.					

Newberry Mgt. Unit Jennifer Burnham : Examiner

32	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	Unspecified	Unspecified	Unspecified	Unspecified
Co	mments:						
33	Unavailable	5E: Long-Term Retention	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Co	mments:						
35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Co	mments:						
36	Unavailable	2J: Blocked by Railroad	4	Unspecified	Unspecified	Unspecified	Unspecified
Co	mments:						
37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	69	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Co	mments:						
39	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	6	Unspecified	Unspecified	Unspecified	Unspecified
Co	mments:						

**Newberry Mgt. Unit** Compartment: 75 Year of Entry: 2023 Jennifer Burnham: Examiner 40 Unspecified Unspecified Unspecified Unavailable 2G: Too wet (sensitive 18 2H: Blocked by physical obstacle (e.g. upland soils, does not include stand in a lowland area) access issues) Comments: Unspecified Unspecified Unspecified Unspecified 41 **Available** 5C: Delay treatment for 12 age/size class diversity or exceptional site quality Comments: This area may need 20 years before harvesting. Unspecified Unspecified Unspecified Unspecified 42 Unavailable 2H: Blocked by physical 14 obstacle (e.g. upland stand in a lowland area) Comments: Unspecified Unspecified Unspecified 44 Unavailable 2H: Blocked by physical 6 3J: Water quality / BMPs (stream, river, or obstacle (e.g. upland stand in a lowland area) lake) Comments: **5D: Unproductive Forest** 62 Unspecified Unspecified Unspecified Unspecified 46 Unavailable Land Comments:

Unspecified

128

Unspecified

Unspecified

Comments	:	
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48

Hendrie River Corridor

Unavailable

3J: Water quality / BMPs

(stream, river, or lake)

Unspecified

Newberry Mgt. Unit

Compartment: 75 Year of Entry: 2023 Jennifer Burnham: Examiner

Unspecified 49 Unavailable **5D: Unproductive Forest** 61 Unspecified Unspecified Unspecified Land Comments:

12/29/2021 3:30:38 PM - Page 7 of 7 SWARTZN3 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				

Newberry Mgt. Unit Compartment: 75
Year of Entry 2023



## Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservation Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen condi- 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
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildli and Waterfowl Production Areas, deer wintering complexes in low openings and savannas. Habitat areas are distinct from critical hat endangered or threatened species (such as Kirtland's warbler or general in nature, are not primarily associated with threatened or covered by species recovery plans that are developed in cooperations.	wland conifer communities, grassland abitat designated for recovery of piping plover areas) in that they are more endangered species, and are not
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high d communities are ecologically and socially significant in their effect as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, iversity of plants and wildlife. Riparian cts on water quality and quantity, as well



Stand	Stand Level 4 Cover Type Size Densi		sity	Acres	Stand Age B	A Range	Managed S	Site	General Comments					
1	6129 - Mixed Conife	and Forest Po	Poletimber Poor		6.2	103	1-50	N/A		Not a lot of volume in stand to make it worth accessing. Species besid cedar will have started to die out of the stand since 2011.				
	Canopy Species	% Cover	Size Class	s DBH Age		Sub-Ca	nopy Species	Density	Avg. Height	Size	cedar will have started to die out of the stand since 2011.			
	Paper Birch	10	Pole/Log	9		Pa	per Birch	Low	10 - 20 feet	Sapling	03/15/2011Stand is a mix of lowland conifers species and some birch			
	Black Spruce	25	Pole/Sapling	8		Ва	alsam Fir	Low	5 - 10 feet	Sapling	and balsam seedlings/saplings. Stand was affected by spruce budworm			
No	rthern White Cedar	25	Pole/Sapling	8		Blad	ck Spruce	Low	10 - 20 feet	Sapling	approx. 15 years ago. Some overstory spruce is still alive. Some areas regenerated to spruce, tamarack, b.fir and birch. Stand is remote and			
	Tamarack	40	Pole/Sap/Log	9	103	Northern	n White Cedar	Low	10 - 20 feet	Sapling	difficult to access.			
						Ta	amarack	Low	>20 feet	Sapling				
						Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub				
2	6220 - Al	lder/willow	,	Nonstoo	ked	220.7	Uı	nspecified	No		There are scattered islands of trees throughout. These are subtile ridges			
						Sub-Ca	nopy Species	Density	Avg. Height	Size	interspersed amongst lowlands. Area is remote with little access.  Spruce out here was impacted by spruce budworm approx. 15 years			
						WI	hite Pine	Trace		Log	ago. Still live spruce out here by dead trees/snags still present.			
						Qual	king Aspen	Trace		Pole				
						Ca	ittail spp.	Medium		Non-Wood				
						Northern	n White Cedar	Low		Seeding				
						Blad	ck Spruce	Low		Pole				
						Wi	llow spp.	Low		Tall Shrub				
						Wi	llow spp.	Low		Tall Shrub				
						Wi	llow spp.	Low		Tall Shrub				
						Ta	amarack	Low		Sapling				
							per Birch	Low		Sapling				
						Ta	ag Alder	High		Tall Shrub				
3	6122 - Bla	•		etimber			100	1-50	N/A		Difficult access and the split of Hendrie and the South Branch of the Hendrie River through the SW part of the stand. 03/15/2011Stand is a			
	Canopy Species		Size Class	DBH	Age		nopy Species	Density	Avg. Height	Size	mix of lowland conifers species and some birch and balsam			
	Paper Birch	5	Pole/Log	10	100		alsam Fir	Low	5 - 10 feet	Sapling	seedlings/saplings. Stand was affected by spruce budworm approx. 15 years ago. Some overstory spruce is still alive. Some areas regenerated			
	Black Spruce	60	Pole/Sapling	8	100		ck Spruce	Low	10 - 20 feet	Sapling	to spruce, tamarack, b.fir and birch. Stand is remote and difficult to			
	Tamarack	25	Pole/Log/Sap	10			amarack	Low	10 - 20 feet	Sapling	access.			
	White Pine	10	Log	16		16	ag Alder	Medium	5 - 10 feet	Tall Shrub				
4	6120 - Lov			oletimbe		568.6	110	81-110	N/A		Mixed stand with areas pocketed with okay wood. The edges of the stand are better than the center.			
	Canopy Species		Size Class	DBH	Age		nopy Species	Density	Avg. Height	Size				
	Red Maple	3	Pole/Sapling	7			ed Maple	Low	10 - 20 feet	Sapling				
	Paper Birch	5	Pole	6			per Birch	Low	10 - 20 feet	Sapling				
	Balsam Fir	2	Sapling/Pole	5			alsam Fir	Medium	5 - 10 feet	Sapling				
NI -	Black Spruce	15	Pole/Sapling	7	110		ck Spruce	Medium	>20 feet	Sapling				
INO	rthern White Cedar	50	Pole/Sap/Log	8	110		n White Cedar	Low	10 - 20 feet	Sapling				
	Tamarack	20	Pole/Log/Sap	9			amarack	Medium	>20 feet	Sapling				
	White Pine	3	Log/Pole	14			ack Ash	Low	10 - 20 feet	Sapling				
	Hemlock	2	Pole/Log	10		l a	ag Alder	Medium	< 5 feet	Tall Shrub				

### Report 7 - Stands



Stand	tand Level 4 Cover Type Size Density				ty A	cres Stand Age E	A Range	Managed S	Site	General Comments		
5	6229 - Mixed	d lowland s	shrub 1	Nonstock	ed 10	60.6 L	nspecified	No				
					Sı	ub-Canopy Species	Density	Avg. Height	Size			
						Balsam Fir	Low		Sapling			
						Tamarack	Low		Sapling			
						Paper Birch	Low		Sapling			
						Black Spruce	Low		Pole			
					No	orthern White Cedar	Low		Seeding			
						Red Maple	Low		Sapling			
6	6224 - 1	Treed Bog	1	Nonstock	ed 1	18.6 U	nspecified	No				
					Sı	ub-Canopy Species	Density	Avg. Height	Size			
					No	orthern White Cedar	Low		Seeding			
						Tamarack	Low		Sapling			
						Black Spruce	Medium		Sapling			
7	7 6122 - Black Spruce Poletimber Medi					5.6 103	1-50	N/A		Very wet stand. Poor access and low quality. Tamarack dying.		
	Canopy Species	% Cove	r Size Class	DBH A	ge Su	ub-Canopy Species	Density	Avg. Height	Size			
	Quaking Aspen	2	Log	12		Black Spruce	Medium	>20 feet	Sapling			
	Black Spruce	60	Pole/Sapling	8 1	)3 No	orthern White Cedar	Low	10 - 20 feet	Sapling			
	Tamarack	38	Pole/Log	10		Tamarack	Low	>20 feet	Sapling			
						Tag Alder	Low	< 5 feet	Tall Shrub			
						Labrador Tea	Medium	< 5 feet	Tall Shrub			
8	6121 -	Tamarack	Ро	letimber l	Poor 4	18.7 70	1-50	N/A		Very wet ground. Tamarack is not healthy.		
	Canopy Species	% Cove	r Size Class	DBH A	ge Su	ub-Canopy Species	Density	Avg. Height	Size			
	Red Maple	10	Sapling	2		Red Maple	Low	10 - 20 feet	Sapling			
	Paper Birch	5	Sapling	1		Yellow Birch	Low	5 - 10 feet	Sapling			
	Balsam Fir	15	Sapling	2		Paper Birch	Low	5 - 10 feet	Sapling			
	Black Spruce	20	Pole/Sapling	6		Balsam Fir	Medium	5 - 10 feet	Sapling			
	Tamarack	50	Pole/Sap/Log	8 7	0	Black Spruce	Medium	5 - 10 feet	Sapling			
		'				Tamarack	Medium	10 - 20 feet	Sapling			
						Black Ash	Low	10 - 20 feet	Sapling			
						Tag Alder	High	5 - 10 feet	Tall Shrub			

Report 7 - Stands



Stan	d Level 4 C	over Type		Size De	ensity	Acres	Stand Age E	A Range	Managed S	Site	General Comments		
9	6131 - Hemlock, ' B	White Pine irch	, Maple,	Poletimber Well		213.5	60	51-80	N/A		Understory has filled in a bit more from 10 years ago.		
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	02/22/2011- Stand has been logged in the past ~40 years ago. Old logging roads still evident.		
	Red Maple	30	Log/Pole	10	60	Re	d Maple	Low	5 - 10 feet	Sapling	logging roads still evident.		
	Yellow Birch	10	Pole/Log	9		Yel	low Birch	Low	5 - 10 feet	Sapling			
	Paper Birch	5	Pole	8		Pa	per Birch	Low	5 - 10 feet	Sapling			
	Balsam Fir	5	Pole	6		Ва	lsam Fir	Medium	10 - 20 feet	Sapling			
	Black Spruce	10	Pole	7		Blad	k Spruce	Low	5 - 10 feet	Sapling			
No	orthern White Cedar	15	Pole	8		W	nite Pine	Low	10 - 20 feet	Sapling			
	White Pine	10	Log/XLog	18		Н	emlock	Low	>20 feet	Pole			
	Hemlock	15	Log/Pole	14	60	ВІ	ack Ash	Low	5 - 10 feet	Sapling			
10	6124 - Lowla	and Spruce	-Fir	Poletimb	er Well	26.2	45	51-80	N/A		Higher water level on the north has kept the regeneration for coming in as well as the south part of the stand.		
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	well as the south part of the stand.		
	Red Maple	5	Sapling	3		Pa	per Birch	Low	10 - 20 feet	Sapling			
	Paper Birch	5	Sapling/Pole	e 5		Ва	lsam Fir	Medium	5 - 10 feet	Sapling			
	Balsam Fir	15	Sapling	4		Blad	ck Spruce	Low	10 - 20 feet	Sapling			
	Black Spruce	35	Pole/Sapling	g 5	45	Northern	White Cedar	Medium	5 - 10 feet	Sapling			
No	orthern White Cedar	15	Sapling/Pole	e 7		Ta	ımarack	Medium	>20 feet	Sapling			
	Tamarack	20	Pole	9	45	Ta	ag Alder	Medium	< 5 feet	Tall Shrub			
	White Pine	5	Pole/Log	12		Lab	rador Tea	Low	< 5 feet	Tall Shruk			
11	6122 - BI	ack Spruce	e P	oletimbe	r Mediur	n 14.2	105	51-80	N/A		Series of small knobs similar to the stand continue south. Wet and very		
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	poor access.		
	Black Spruce	60	Pole	8	105	Blad	ck Spruce	Medium	>20 feet	Sapling	03/15/2011- Stand is mostly a mix of black spruce and tamarack. The		
	Tamarack	40	Pole/Log	10		Ta	ımarack	Low	>20 feet	Sapling	south end of stand is dense pocket of decent timber quality. The north		
					·	Ta	ag Alder	Medium	5 - 10 feet	Tall Shruk	end of stand is more lowland with mostly tamarack scattered amongst tag alder. Stand is an island of timber amongst lowlands, remote and		
					_			'	1	-1	difficult to access.		
12	6129 - Mixed Conife	erous Lowla	and Forest	Poletimb	er Well	27.5	46	1-50	N/A		More area becoming pole size.		
	Canopy Species	% Cover	Size Class	DBł	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	02/22/2011- Stand was treated in the past. It is a mix of lowland		
	Red Maple	5	Sapling/Pole	e 5		Ва	lsam Fir	Low	10 - 20 feet	Sapling	conifers/hardwood. Stand occurs along a small ridge and low ground.		
	Paper Birch	5	Sapling/Pole	e 4		Blad	k Spruce	Low	10 - 20 feet	Sapling	Regeneration is mostly lowland conifers, balsam fir, spruce, tamarack,		
	Quaking Aspen	5	Pole/Sapling	g 5		Northern	White Cedar	Low	10 - 20 feet	Pole	paper brich and red maple. Tag alder present in places. Large white pine scattered in the overstory with some pole sized cedar, birch, red		
	Balsam Fir	15	Sapling	4		Ta	ag Alder	Low	< 5 feet	Tall Shruk	maple and spruce.		
	Black Spruce	25	Pole/Sapling	g 5	46	Lab	rador Tea	Low	< 5 feet	Tall Shruk			
No	orthern White Cedar	10	Pole	8		<del>.</del>				-			
	Tamarack	10	Sapling/Pole	e 4									
	White Pine	20	Log/XLog	18	100								
	Hemlock		Log/Pole										

Compartment: 75 Year of Entry: 2023



Stand	d Level 4 C	over Type		Size De	ensity	Acres	Stand Age E	BA Range	Managed \$	Site	General Comments
13	6119 - Mixed Lowla	Lowland Deciduous Forest			Sapling Well		5	81-110	N/A		Harvested under Mosquito Haven 42-016-014, TCR 2020. Harvest
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	produced good diversity and regeneration. Larger deciduous species along the edge of the stand and a couple scattered around the stand.
	Red Maple	45	Sapling	1	5	Ва	lsam Fir	Low	5 - 10 feet	Sapling	and ig the dage of the stand and a scapic countries areand the stand
	Yellow Birch	5	Sapling	1		Blad	ck Spruce	Low	10 - 20 feet	Sapling	
	Paper Birch	5	Sapling	1		Ta	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Quaking Aspen	15	Sapling	1		El	derberry	Low	5 - 10 feet	Tall Shrub	
	Balsam Poplar	15	Sapling	1		Hazelnı	ut (American)	Low	5 - 10 feet	Tall Shrub	
No	orthern White Cedar	2	Pole/Log	9							-
	White Pine	5	Log/XLog	18	100						
	Hemlock	2	Log	16							
	Black Ash	6	Sapling	1							
14	429 - Mixed I			Poletimb			105	51-80	N/A		03/15/2011- Stand is a subtile rise in topography surrounded by lowlands. There are sawlog sized W. pine in the center of this stand,
	Canopy Species		Size Class		l Age		nopy Species		Avg. Height	Size	spruce, tamarack, birch on the fringes. Jack pine on the north end.
	Paper Birch	5	Pole/Sapling			Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	Stand is and island amongst lowlands, it is remote and difficult to access
	Black Spruce	30	Pole	8	105						
	Tamarack	20	Pole/Log	10							
	White Pine	28	Log/XLog	18							
	Red Pine	2	Log/XLog	18							
	Jack Pine	15	Pole/Log	10							
15	6224 -	Treed Bog		Nonst	ocked	2.0	L	Inspecified	No		Some mortality due to high water.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						WI	nite Pine	Low		Seeding	
						Blad	ck Spruce	Low		Seeding	
						Ca	ttail spp.	Low		Non-Wood	
						Northern	n White Cedar	Low		Seeding	
16	6129 - Mixed Conif	erous Lowla	and Forest	Sawtimb	er Pooi	68.7	100	51-80	N/A		(2013) Lowland stand. Trees are scattered. Small islands of timber
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	scattered throughout stand. Varying degrees of subcanopy species.  Some spruce in stand was impacted by spruce budworm approx. 15
	Black Spruce	20	Pole/Sapling	6		Re	ed Maple	Low	10 - 20 feet	Sapling	years ago, trees died and regen of spruce, tamarack, b.fir, maple, p.birch
No	orthern White Cedar	25	Pole/Sapling	8		Ва	lsam Fir	Low	5 - 10 feet	Sapling	coming back. Plenty of tag alder throughout in subcanopy, difficult stand
	Tamarack	45	Log/Pole/Sap	p 10	100	Blad	ck Spruce	Low	10 - 20 feet	Sapling	to access and even more difficult to get around once you are here.
	White Pine	10	Log	16		Northern	White Cedar	Low	10 - 20 feet	Sapling	
				1		Ta	marack	Low	Variable	Sapling	

High

Tag Alder

Tall Shrub

5 - 10 feet

Report 7 - Stands



Stand	d Level 4 Co	over Type	;	Size D	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments Michigan			
17	6117 - Lowland Deciduous, Mixed Coniferous		Mixed F	oletim	er Well	94.3	70	81-110	N/A		Lower end of the BA.			
	Canopy Species % Cover Size Class			DBI	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	(2013) Stand has been treated in the past ~40 years ago. Old logging roads still evident. Stand is mostly hardwood but in a lowland site that			
	Sugar Maple	10	Pole/Sap/Log				jar Maple	Medium	10 - 20 feet	Sapling	can hold up water.			
	American Elm	2	Pole/Sapling	6		Re	d Maple	Low	10 - 20 feet	Sapling				
	Red Maple	45	Pole/Log/Sap	9	70	Yell	low Birch	Low	5 - 10 feet	Sapling				
	Yellow Birch	10	Pole/Log/Sap	10		Ва	lsam Fir	Medium	5 - 10 feet	Sapling				
	Beech	2	Log	16		Blac	ck Spruce	Low	5 - 10 feet	Sapling				
	Paper Birch	5	Pole/Log	10		Ta	ag Alder	Low	< 5 feet	Tall Shrub				
	Balsam Fir	5	Pole/Sapling	5		Hazelnı	ut (American)	Low	< 5 feet	Tall Shrub				
	Black Spruce	3	Log/Pole	10					I					
No	orthern White Cedar	5	Log/Pole	10										
	White Pine	5	Log/XLog	18										
	Hemlock	5	Log/Pole	10										
18	4191 - Mixed Upla Co	and Decidu onifer	ous with	Saplin	g Well	63.4	5	1-50	N/A		Harvested under Mosquito Haven 42-016-014, TCR 2020. Harvest produced good diversity and regeneration. Larger deciduous species			
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	along the edge of the stand and a couple scattered around the			
	Red Maple	30	Sapling	1	5		lsam Fir	Low	10 - 20 feet	Sapling	stand.(2013) Stand is quite diverse with species. The soil types and terrain vary with depressions, swales and some intermittent drainages			
	Yellow Birch	5	Sapling	1		Blac	ck Spruce	Low	5 - 10 feet	Sapling	mixed with small ridges. The low depressions/drainages are lowland			
	Beech	20	Sapling	1							conifer types with hardwood/aspen overtopping and the ridges have WP overtopping hemlock, red maple, yellow birch and aspen. The timber			
	Bigtooth Aspen	20	Sapling	1							varies with this topography making areas too small to map separately.			
No	orthern White Cedar	5	Log/Pole	10							Most timber is mature and larger diameter.			
	White Pine	5	XLog/Log	18										
	Hemlock	10	Log	16	100									
19	4191 - Mixed Upla Co	and Decidu onifer	ous with	Saplin	g Well	24.0	40	1-50	N/A		Harvested in the past.			
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size				
	Red Maple	30	Sapling	3		Re	d Maple	Medium	10 - 20 feet	Sapling				
	Paper Birch	5	Sapling	3		Par	per Birch	Low	5 - 10 feet	Sapling				
	Quaking Aspen	3	Sapling/Pole	4			lsam Fir	Medium	10 - 20 feet	Sapling				
	Balsam Fir	10	Sapling	2		Blac	ck Spruce	Low	< 5 feet	Sapling				
		10	Sapling	2			nite Pine	Low	10 - 20 feet	Sapling				
	Black Spruce	10	- wpg											
	Black Spruce White Pine	10	Pole/Log	9		H	emlock	Low	5 - 10 feet	Sapling				
				9			emlock Raspberry	Low	5 - 10 feet Variable	Sapling Tall Shrub				
	White Pine	10	Pole/Log	9	40	Black								

Compartment: 75 Year of Entry: 2023



Stand	Level 4 Co	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments							
20	6122 - Black Spruce		e Sa	Sawtimber Poor		126.6	80	51-80	N/A		Stand flanks the Hendrie River. Tag alder/lowland brush throughout.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size		
	Red Maple	10	Pole/Log/Sap	10		Pap	er Birch	Low	10 - 20 feet	Sapling		
	Paper Birch	10	Log/Pole	10		Bals	sam Fir	Low	5 - 10 feet	Sapling		
	Black Spruce	50	Log/Pole	12	80	Black	k Spruce	Low	10 - 20 feet	Sapling		
No	rthern White Cedar	10	Pole/Log	9		Tar	marack	Low	10 - 20 feet	Sapling		
	Tamarack	10	Pole/Log/Sap	10		Tag	g Alder	Full	10 - 20 feet	Tall Shrub		
	White Pine	10	Log/XLog	18								
21	42390 - Mixed Non-	Pine Uplar	nd Conifers	Saplino	g Well	30.5	40	1-50	N/A		Stand was treated in the early 80's, mostly final harvested then. It	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	regenerated to a mix of conifers with some hardwood speces. Thick balsam fir in many places. Stand falls on irregular terrain which is mostly	
	Red Maple	10	Sapling/Pole	4		Red	l Maple	Medium	10 - 20 feet	Sapling	upland but has some low/wet areas.	
	Paper Birch	5	Sapling	3		Рар	er Birch	Low	10 - 20 feet	Sapling		
	Balsam Fir	35	Sapling	2	40	Bals	sam Fir	High	10 - 20 feet	Sapling		
	Black Spruce	15	Sapling/Pole	3		Black	Spruce	Medium	10 - 20 feet	Sapling		
No	rthern White Cedar	10	Sapling/Pole	6		Whi	ite Pine	Low	10 - 20 feet	Sapling		
	White Pine	15	Sapling/Pole	6		He	emlock	Low	10 - 20 feet	Sapling		
	Hemlock	5	Sapling/Pole	5		Та	g Alder	Low	5 - 10 feet	Tall Shrub		
	Pin Cherry	5	Sapling	3		Pin	Cherry	Low	10 - 20 feet	Sapling		
22	4319 - Mixed	Upland Fo	prest	Sapling	g Well	6.1	40	1-50	N/A		Some trees are moving into pole size. (2013) Stand was cut in the	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	early 80's. Some residual trees were left from the cutting, they are in the overstory. Stand is sapling sized for the most part just coming into pole	
	Red Maple	20	Sapling/Pole	4		Red	d Maple	Low	5 - 10 feet	Sapling	size. Parts of stand look like it was more open but is now filling in with	
	Paper Birch	5	Sapling/Pole	4		Bals	sam Fir	Medium	< 5 feet	Sapling	trees.	
	Balsam Fir	15	Sapling	3		White	e Spruce	Medium	< 5 feet	Sapling		
	White Spruce	15	Pole/Sap/Log	9		Whi	ite Pine	Low	5 - 10 feet	Sapling		
	White Pine	20	Sapling/Pole	6		Pin	Cherry	Low	5 - 10 feet	Sapling		
	Pin Cherry	25	Sapling/Pole	4	40	Hazelnu	t (American)	Low	5 - 10 feet	Tall Shrub		
23	6124 - Lowla	and Spruce	-Fir	Saplino	g Well	53.8	45 U	nspecified	N/A		Old roads through the area still present. (2013) Stand was harvested	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	in the past ~35 years ago. Some residual WP, spruce, hemlock, cedar left from cutting but it was mostly final harvested. Thick stand of lowland	
	Red Maple	10	Sapling	2		Red	l Maple	Low	10 - 20 feet	Sapling	conifers for the most part. Tag alder present in pockets throughout	
	Yellow Birch	5	Sapling	2		Yello	ow Birch	Low	10 - 20 feet	Sapling	stand.	
	Paper Birch	5	Sapling	2		Bals	sam Fir	High	5 - 10 feet	Sapling		
	Balsam Fir	30	Sapling	3	45	Black	Spruce	Medium	10 - 20 feet	Sapling		
	Black Spruce	25	Sapling/Pole	4		Northern	White Cedar	Low	10 - 20 feet	Pole		
No	rthern White Cedar	15	Pole	6		He	emlock	Low	10 - 20 feet	Sapling		
	White Pine	5	XLog/Log	18		Та	g Alder	Medium	5 - 10 feet	Tall Shrub		
	Hemlock	5	Log/Pole	10		Hazelnu	t (American)	Low	5 - 10 feet	Tall Shrub		



	Level 4 Co	over Type	S	ize De	nsity	Acres Stand Age I	BA Range	Managed S	Site	General Comments
24	4112 - Maple, Beec	h, Cherry /	Association Sa	wtimb	er Wel	6.0 90	51-80	N/A		Harvested under Mosquito Haven 42-016-014, TCR 2020.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Sugar Maple	30	Log/Pole/Sap	10	5	Sugar Maple	Medium	10 - 20 feet	Sapling	
	Red Maple	55	Log/Pole/Sap	10	90	Red Maple	Medium	10 - 20 feet	Sapling	
	Yellow Birch	5	Log/Pole	10		Beech	Medium	5 - 10 feet	Sapling	
	White Pine	5	XLog/Log/Pole	18		Balsam Fir	Low	10 - 20 feet	Sapling	
	Hemlock	5	Log	14		White Spruce	Low	5 - 10 feet	Sapling	
25	4119 - Mixed No	rthern Har	dwoods S	Sapling	g Well	4.0 38	1-50	N/A		Stand was treated in the early 80's. Some scattered pole sized maple in
	Canopy Species	% Cover	Size Class	DBH	I Age					the canopy left over from cut.
	Sugar Maple	15	Sapling	2						
	Red Maple	35	Sapling	3	38					
	Yellow Birch	10	Sapling/Pole	4						
	Paper Birch	10	Sapling/Pole	5						
	Bigtooth Aspen	10	Pole/Sapling	5						
	Pin Cherry	5	Sapling/Pole	4						
	Balsam Fir	5	Sapling	1						
	White Pine	5	Pole/Sapling	6						
	White Spruce	5	Sapling	2						
26	4112 - Maple, Beec	h, Cherry A	Association Sa	wtimb	er Wel	83.0 90	51-80	N/A		Harvested under Mosquito Haven 42-016-014, TCR 2020. Harvest
	Canopy Species	% Cover							Size	produced good diversity and regeneration.
	Canopy Species Sugar Maple		Size Class		I Age	Sub-Canopy Species		Avg. Height	<b>Size</b> Sapling	produced good diversity and regeneration.
	Canopy Species Sugar Maple Red Maple	<b>% Cover</b> 15 75		DBF			Density Low		Size Sapling Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes.  Stand is mature. South end of stand is more red maple poles with thick
	Sugar Maple	15 75	Size Class Log/XLog Log/Pole	14 10	I Age	Sub-Canopy Species Sugar Maple	Density	Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes.  Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand
	Sugar Maple Red Maple	15	Size Class Log/XLog Log/Pole Log/XLog	<b>DBH</b>	I Age	Sub-Canopy Species Sugar Maple Red Maple	Low High	Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet	Sapling Sapling Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes.  Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in
	Sugar Maple Red Maple White Pine	15 75 5	Size Class Log/XLog Log/Pole	14 10 18	I Age	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch	Low High Low	Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Sapling Sapling Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes.  Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand
	Sugar Maple Red Maple White Pine	15 75 5	Size Class Log/XLog Log/Pole Log/XLog	14 10 18	I Age	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Beech	Low High Low Medium	Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet 10 - 20 feet	Sapling Sapling Sapling Sapling Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes.  Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in
	Sugar Maple Red Maple White Pine	15 75 5	Size Class Log/XLog Log/Pole Log/XLog	14 10 18	I Age	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Beech Balsam Fir	Low High Low Medium Low	Avg. Height 10 - 20 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes.  Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in
	Sugar Maple Red Maple White Pine	15 75 5	Size Class Log/XLog Log/Pole Log/XLog	14 10 18	I Age	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Beech Balsam Fir White Spruce	Low High Low Medium Low Low	Avg. Height 10 - 20 feet 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes.  Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in
27	Sugar Maple Red Maple White Pine Hemlock	15 75 5 5	Size Class Log/XLog Log/Pole Log/XLog Log/XLog	DBH 14 10 18 18	I Age	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Beech Balsam Fir White Spruce White Pine Bigtooth Aspen	Low High Low Medium Low Low Low Low	Avg. Height 10 - 20 feet 5 - 10 feet 10 - 20 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes. Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in stand is large diametered for the most part.  Drains surrounding the stand. It would be difficult to harvest with out a good winter. If treating stand 51, there might be some areas that could
27	Sugar Maple Red Maple White Pine Hemlock	15 75 5 5	Size Class Log/XLog Log/Pole Log/XLog Log/XLog	DBH 14 10 18 18	90	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Beech Balsam Fir White Spruce White Pine Bigtooth Aspen	Low High Low Medium Low Low Low High	Avg. Height 10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes. Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in stand is large diametered for the most part.  Drains surrounding the stand. It would be difficult to harvest with out a
27	Sugar Maple Red Maple White Pine Hemlock  6128 - Lowland C	15 75 5 5	Log/XLog Log/Pole Log/XLog Log/XLog Log/XLog Log/XLog	DBH 14 10 18 18	90 90 er Wel	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Beech Balsam Fir White Spruce White Pine Bigtooth Aspen	Low High Low Medium Low Low Low High	Avg. Height 10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet N/A	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes. Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in stand is large diametered for the most part.  Drains surrounding the stand. It would be difficult to harvest with out a good winter. If treating stand 51, there might be some areas that could
27	Sugar Maple Red Maple White Pine Hemlock  6128 - Lowland O Deci	15 75 5 5 Coniferous duous % Cover	Log/XLog Log/Pole Log/XLog Log/XLog Log/XLog Size Class	DBH 14 10 18 18 18	90 90 er Wel	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Beech Balsam Fir White Spruce White Pine Bigtooth Aspen  18.0 106  Sub-Canopy Species	Low High Low Medium Low Low Low High  Density	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  N/A  Avg. Height	Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes. Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in stand is large diametered for the most part.  Drains surrounding the stand. It would be difficult to harvest with out a good winter. If treating stand 51, there might be some areas that could
27	Sugar Maple Red Maple White Pine Hemlock  6128 - Lowland O Deci  Canopy Species Red Maple	15 75 5 5 5 Coniferous duous % Cover 15	Log/XLog Log/Pole Log/XLog Log/XLog Log/XLog Log/XLog Size Class Log/Pole	DBH 14 10 18 18 18 DBH 10	90 90 er Wel	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Beech Balsam Fir White Spruce White Pine Bigtooth Aspen  18.0 106  Sub-Canopy Species Red Maple	Low High Low Medium Low Low Low High  Low Low Low Low Low High  51-80  Density Low	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  N/A  Avg. Height  5 - 10 feet	Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes. Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in stand is large diametered for the most part.  Drains surrounding the stand. It would be difficult to harvest with out a good winter. If treating stand 51, there might be some areas that could
	Sugar Maple Red Maple White Pine Hemlock  6128 - Lowland O Deci  Canopy Species Red Maple Paper Birch	15 75 5 5 5 Coniferous duous % Cover 15 5	Log/XLog Log/Pole Log/XLog Log/XLog Log/XLog Log/XLog Size Class Log/Pole Pole/Log/Sap	DBH 14 10 18 18 18 DBH 10 10	90 90 er Wel	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Beech Balsam Fir White Spruce White Pine Bigtooth Aspen  18.0 106  Sub-Canopy Species Red Maple Balsam Fir	Low High Low Medium Low Low Low High Low Low Low Low High  51-80  Density Low Medium	Avg. Height 10 - 20 feet 5 - 10 feet 10 - 20 feet 10 - 20 feet  N/A  Avg. Height 5 - 10 feet 10 - 20 feet	Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes. Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in stand is large diametered for the most part.  Drains surrounding the stand. It would be difficult to harvest with out a good winter. If treating stand 51, there might be some areas that could
	Sugar Maple Red Maple White Pine Hemlock  6128 - Lowland O Deci  Canopy Species Red Maple Paper Birch Black Spruce	15 75 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Log/XLog Log/Pole Log/XLog Log/XLog Log/XLog Log/XLog Size Class Log/Pole Pole/Log/Sap Sapling/Pole	DBH 14 10 18 18 18 18 18 10 10 10 10 10 10 10 7	90 90 er Wel	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Beech Balsam Fir White Spruce White Pine Bigtooth Aspen  18.0 106  Sub-Canopy Species Red Maple Balsam Fir Black Spruce	Low High Low Medium Low Low Low High Low Low Low High  51-80  Density Low Medium Low	Avg. Height 10 - 20 feet 5 - 10 feet 10 - 20 feet N/A  Avg. Height 5 - 10 feet 10 - 20 feet 10 - 20 feet	Sapling	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes. Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in stand is large diametered for the most part.  Drains surrounding the stand. It would be difficult to harvest with out a good winter. If treating stand 51, there might be some areas that could
	Sugar Maple Red Maple White Pine Hemlock  6128 - Lowland C Deci  Canopy Species Red Maple Paper Birch Black Spruce rthern White Cedar	15 75 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Log/XLog Log/Pole Log/XLog Log/XLog Log/XLog Log/XLog Log/XLog Size Class Log/Pole Pole/Log/Sap Sapling/Pole Pole/Sapling	DBH 14 10 18 18 18 18 10 10 10 10 10 10 7 7	90 90 er Wel	Sub-Canopy Species Sugar Maple Red Maple Yellow Birch Beech Balsam Fir White Spruce White Pine Bigtooth Aspen  18.0 106  Sub-Canopy Species Red Maple Balsam Fir Black Spruce Northern White Cedar	Low High Low Medium Low Low Low High  Low Low Low High  51-80  Density Low Medium Low Low Medium Low Low	Avg. Height 10 - 20 feet 5 - 10 feet 10 - 20 feet	Sapling Pole	produced good diversity and regeneration.  (2013) This hardwood stand is diverse with tree species and sizes. Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in stand is large diametered for the most part.  Drains surrounding the stand. It would be difficult to harvest with out a good winter. If treating stand 51, there might be some areas that could get harvested.



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	A Range	Managed S	Site	General Comments
28	6117 - Lowland l Coni	Deciduous, ferous	Mixed	Sapling	ı Well	21.6	5	1-50	N/A		Harvested under Mosquito Haven 42-016-014, TCR 2020. Harvest produced good diversity and regeneration. Larger deciduous species
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	along the edge of the stand and a couple scattered around the stand.
	Red Maple	40	Sapling	1	5	Bal	sam Fir	Low	10 - 20 feet	Sapling	
	Yellow Birch	5	Log/Pole/Sap	10		Blac	k Spruce	Low	5 - 10 feet	Sapling	
	Paper Birch	5	Pole/Log	10		Та	g Alder	Low	5 - 10 feet	Tall Shrub	
	Quaking Aspen	30	Sapling	1						'	_
No	rthern White Cedar	10	Pole	8							
	White Pine	5	XLog/Log	18	100						
	Hemlock	5	Log	14							
29	4319 - Mixed	Upland Fo	orest S	Sawtimb	er Wel	l 15.3	90	81-110	N/A		Stand holding well, will need to be harvested when treating other stands
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	in the area.
	Red Maple	40	Log/Pole	14	90	Red	d Maple	Low	10 - 20 feet	Sapling	(2013) Stand was treated in the past, looks like it would have been a
	Yellow Birch	5	Log	14		Bal	sam Fir	Medium	Variable	Sapling	shelterwood. Larger red maple and white pine in the overstory. Heavy
	Paper Birch	5	Pole	9		Wh	ite Pine	Low	10 - 20 feet	Sapling	balsam fir understory. Stand mostly occurs along an upland ridge.
	Balsam Fir	5	Pole/Sapling	5		He	emlock	Low	10 - 20 feet	Sapling	
	Black Spruce	10	Pole/Log	10						'	_
No	rthern White Cedar	5	Pole/Log	10							
	White Pine	20	Log/XLog	18							
	Hemlock	10	Log	16							
30	4116 - Mixed N.	Hardwood	- Aspen	Sapling	ı Well	28.3	5	1-50	N/A		Harvested under Mosquito Haven 42-016-014, TCR 2020. Harvest
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	produced good diversity and regeneration. (2013) The nothern edge of stand along compartment begins to go up onto more of an upland
	Sugar Maple	10	Sapling	1		Sug	ar Maple	Low	10 - 20 feet	Sapling	hardwood site,
	Red Maple	40	Sapling	1	5	Red	d Maple	Medium	10 - 20 feet	Sapling	
	Paper Birch	5	Sapling	1		Е	Beech	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	20	Sapling	1		Bal	sam Fir	Low	< 5 feet	Sapling	
	White Pine	5	XLog/Log	18	85	Wh	ite Pine	Low	5 - 10 feet	Sapling	
	Hemlock	5	Log	10		Whit	e Spruce	Low	< 5 feet	Sapling	
	Beech	15	Sapling	1				1			1



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
31	4191 - Mixed Upl Co	and Decidu onifer	ous with	Sapling	Well	33.3	5	1-50	N/A		50/50 mix of upland and lowland. Dry in 2021 when doing inventory. Regeneration is looking good.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	(2013) Stand is diverse with species and terrain. Stand is mostly lowland
	Red Maple	35	Sapling	1	5		d Maple	Low	10 - 20 feet	Sapling	conifer dominating. There are some upland areas in the stand that are
	Yellow Birch	5	Sapling	1		Yell	ow Birch	Low	5 - 10 feet	Sapling	too small to map out.
	Paper Birch	5	Sapling	1		Ва	lsam Fir	Medium	5 - 10 feet	Sapling	
	Quaking Aspen	20	Sapling	1		Blac	k Spruce	Low	5 - 10 feet	Sapling	
	Balsam Fir	10	Sapling	1		Ta	ıg Alder	Trace	5 - 10 feet	Tall Shrub	
	Black Spruce	10	Sapling	1	5	Labi	ador Tea	Low	< 5 feet	Tall Shrub	
No	rthern White Cedar	5	Pole	8				,			
	White Pine	8	XLog/Log	18							
32	4119 - Mixed No	orthern Har	dwoods	Sapling	Well	9.3	39	1-50	N/A		Stand was cut in the early 80's. Sapling sized with some trees getting
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	close to pole size.
	Red Maple	60	Sapling	3	39	Re	d Maple	High	10 - 20 feet	Sapling	
	Yellow Birch	5	Sapling	3		Yell	ow Birch	Low	10 - 20 feet	Sapling	
	Paper Birch	5	Sapling	3		Pap	oer Birch	Low	10 - 20 feet	Sapling	
	Quaking Aspen	3	Sapling/Pole	5		Ва	lsam Fir	Low	< 5 feet	Sapling	
	Balsam Fir	5	Sapling	3		Ta	ig Alder	Low	5 - 10 feet	Tall Shrub	
	White Spruce	2	Sapling	2		Pir	Cherry	Low	10 - 20 feet	Sapling	
	Black Cherry	5	Sapling/Pole	5				'		,	
	Pin Cherry	15	Sapling	4							
33	6229 - Mixed	d lowland sl	hrub	Nonsto	cked	300.5	U	nspecified	No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Northern	White Cedar	Low		Sapling	
						Lea	atherleaf	Medium		Tall Shrub	
						Wil	low spp.	Medium		Tall Shrub	
						Ta	ıg Alder	Medium		Tall Shrub	
						Blac	k Spruce	Low		Pole	
						Та	marack	Low		Sapling	
						Ca	ttail spp.	Medium		Non-Wood	
34	6120 - Lo	wland Ceda	ar F	oletimb	er Well	72.5	115	51-80	N/A		Did not visit. Difficult access. If adjacent stands are treated some of the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	edge might be able to have treatment.
	Paper Birch	5	Pole	8		Ва	Isam Fir	Low	5 - 10 feet	Sapling	
	Black Spruce	5	Pole/Sapling				k Spruce	Low	10 - 20 feet	Sapling	
No	rthern White Cedar	50	Pole/Sapling		115	Northern	White Cedar	Medium	Variable	Sapling	
	Tamarack	35	Pole/Log/Sap	10		Та	marack	Low	10 - 20 feet	Sapling	
	White Pine	5	Log/XLog	16		Та	ig Alder	Medium	< 5 feet	Tall Shrub	
					-	Labi	ador Tea	Medium	< 5 feet	Tall Shrub	

Newberry Mgt. Unit



119 - Mixed No ppy Species d Maple bw Birch der Birch ding Aspen White Cedar dite Pine		Size Class Log Sapling	Sapling DBH	g Well I <b>Age</b>	102.0	5	1-50	N/A		Hamisastad under Massurita Havan 40 040 044 TOD 2020 Hamisast
d Maple bw Birch er Birch ing Aspen White Cedar	2 5 5	Log		I Age				IN/A		Harvested under Mosquito Haven 42-016-014, TCR 2020. Harvest produced good diversity and regeneration. Many areas of 4" DBH
ow Birch er Birch ing Aspen White Cedar	5 5		14	J -	Sub-Ca	nopy Species	Density	Avg. Height	Size	retention pockets left. Larger deciduous species along the edge of the
er Birch ing Aspen White Cedar	5	Sapling			Ва	lsam Fir	Trace	< 5 feet	Sapling	stand and a couple scattered around the stand (2013) Stand is quite
ing Aspen White Cedar	-		1		Blac	k Spruce	Trace	< 5 feet	Sapling	diverse with species and sizes. The terrain is here is a mix of upland and lowlands. The soil types and terrain vary with depressions, swales and
White Cedar	10	Sapling	1		H	emlock	Trace	5 - 10 feet	Sapling	some intermittant drainages mixed with small ridges. The low
		Sapling	1		Та	ig Alder	Low	5 - 10 feet	Tall Shrub	depressions/drainages are lowland conifer types and the ridges have WP
ite Pine	5	Pole	8							overtopping hemlock, red maple, yellow birch, cedar, balsam, spruce and
110 1 1110	5	XLog/Log	18	90						some aspen. The timber varies with this topography making areas too small to map separately. Balsam fir dominates most of the understory
emlock	5	Log/XLog	14							and is thick in many places. The northern end of stand was treated in the
d Maple	50	Sapling	1	5						early 80's.
Beech	13	Sapling	1							
	,	Mixed	Sapling	g Well	8.1	5	1-50	N/A		Harvested under Mosquito Haven 42-016-014, TCR 2020. Larger deciduous species along the edge of the stand and a couple scattered
py Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	around the stand. There are some very young conifer in the understory. In 5 more years these conifers should be taller and have more BA in the
d Maple	40	Sapling	1	5	Ва	lsam Fir	Trace	< 5 feet	Sapling	stand.
er Birch	5	Sapling	1		Blac	k Spruce	Trace	< 5 feet	Sapling	
sam Fir	5	Sapling	3		Northern	White Cedar	Trace	< 5 feet	Sapling	
k Spruce	5	Sapling	1		Та	marack	Trace	< 5 feet	Sapling	
White Cedar	5	Pole	7		Та	ıg Alder	Low	< 5 feet	Tall Shrub	
marack	5	Sapling	1							
ite Pine	15	Log	16	90						
6220 - A	lder/willow		Nonsto	ocked	10.0	Ur	nspecified	No		
					Sub-Ca	nopy Species	Density	Ava. Heiaht	Size	
								3 - 3 -	Pole	
					Northern	White Cedar	Low		Pole	
							Low		Pole	
4130 -	- Aspen	F	Poletimb	er Wel	l 12.7	39	51-80	N/A		Stand was treated in the early 80's. Just coming into pole size. Aspen is
py Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	straight and tall.
d Maple	5				Re	d Maple	Medium	10 - 20 feet	Sapling	
er Birch	5	Sapling/Pole	4		Par	per Birch	Low	10 - 20 feet	Sapling	
ing Aspen	70	Pole/Sapling	6	39	Quak	ing Aspen	Medium	>20 feet	Sapling	
oth Aspen	15	Pole/Sapling	6		Ва	lsam Fir	Medium	10 - 20 feet	Sapling	
sam Fir	2	Sapling	1		Whit	te Spruce	Low	5 - 10 feet	Sapling	
ite Pine	3		18			·	Medium	5 - 10 feet		
1 Did disk N military s	py Species  At 30 - A  At 30 - A  Py Species  Maple  Branck  The Pine  At 30 - A  At 30	### 130 - Aspen  ### 150 - Aspen  ### 15	eech 13 Sapling  17 - Lowland Deciduous, Mixed Coniferous  Py Species % Cover Size Class  Maple 40 Sapling  er Birch 5 Sapling  sam Fir 5 Sapling  K Spruce 5 Sapling  White Cedar 5 Pole  marack 5 Sapling  te Pine 15 Log  6220 - Alder/willow  4130 - Aspen  Py Species % Cover Size Class  Maple 5 Sapling/Pole  er Birch 5 Sapling/Pole  for Birch 6 Sapling/Po	13   Sapling   1	13	13	13	13	17 - Lowland Deciduous, Mixed Coniferous   Sapling Well Coniferous   Sapling Well Coniferous   Sub-Canopy Species   Density   Avg. Height	17 - Lowland Deciduous, Mixed Coniferous



Stand	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed	Site	General Comments
39	4139 - Aspen,	Mixed Deci	duous	Sapling	Well	48.4	5	1-50	N/A		Harvested under Mosquito Haven 42-016-014, TCR 2020. Harvest
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	produced good diversity and regeneration. Larger deciduous species along the edge of the stand and a couple scattered around the
	Red Maple	20	Sapling	1		Ва	alsam Fir	Trace	< 5 feet	Sapling	stand.(2013) Stand is a mix of aspen, r. maple, spruce, fir and cedar.
	Yellow Birch	5	Sapling	1		Blad	ck Spruce	Trace	< 5 feet	Sapling	Some W. pine present. Paper birch present but dying out. Aspen is
	Paper Birch	5	Sapling	1						-	getting old and breaking apart. R.maple and b.fir dominate understory.
	Quaking Aspen	50	Sapling	1	5						
No	orthern White Cedar	5	Pole	8							
	White Pine	5	Log/XLog	18							
	Beech	10	Sapling	1							
40	6229 - Mixed	l lowland sh	ırub	Nonsto	cked	7.2		Unspecified	No		Low area with retention/buffer from previous harvest.
					ſ	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
							ittail spp.	Medium	<u> </u>	Non-Wood	
						Ta	ag Alder	Medium		Tall Shrub	
41	4191 - Mixed Upla Co	and Deciduo onifer	ous with	Sawtimb	er Well	33.8	90	81-110	N/A		Lowland stand consisting mostly of paper birch, aspen, spruce, balsam and cedar. Stand has timber value and is silviculturally ready.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Red Maple	10	Log/Pole	12		Re	ed Maple	Medium	10 - 20 feet	Sapling	
	Paper Birch	30	Pole/Log	10	90	Pa	per Birch	Low	>20 feet	Sapling	
	Quaking Aspen	20	Log	12		Ва	alsam Fir	Medium	10 - 20 feet	Sapling	
	Balsam Poplar	10	Log	14		Blad	ck Spruce	Low	>20 feet	Sapling	
	Balsam Fir	5	Pole/Sapling	g 6		Ta	ag Alder	Medium	< 5 feet	Tall Shrub	
	Black Spruce	15	Pole/Log/Sa	p 9		Lab	rador Tea	Medium	< 5 feet	Tall Shrub	
No	orthern White Cedar	5	Pole/Log	10							
	Tamarack	2	Pole/Log	10							
	White Pine	3	Log	16							
42	6128 - Lowland ( Deci	Coniferous, iduous	Mixed	Poletimb	er Well	18.9	100	Unspecified	N/A		Stand should be harvested with other stands north of the creek.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Red Maple	5	Pole/Log	9		Re	ed Maple	Low	5 - 10 feet	Sapling	
	Paper Birch	10	Pole	8		Yel	llow Birch	Low	5 - 10 feet	Sapling	
	Quaking Aspen	5	Log/Pole	10		Pa	per Birch	Low	5 - 10 feet	Sapling	
	Balsam Fir	5	Sapling/Pole	e 4		Ва	alsam Fir	Low	5 - 10 feet	Sapling	
	Black Spruce	25	Pole/Sapling	9 7		Blad	ck Spruce	Medium	10 - 20 feet	Sapling	
No	orthern White Cedar	40	Pole	8	100	Northern	n White Cedar	Medium	10 - 20 feet	Pole	
	Tamarack	5	Pole/Log	10		Ta	ag Alder	Medium	< 5 feet	Tall Shrub	
	White Pine	5	Log	14				'			-

Newberry Mgt. Unit



Stand	Level 4 C	over Type	over Type		Size Density		Acres Stand Age BA Range			Site	General Comments
43	42290 - Natu	ural Mixed F	Pine S	Sawtimb	er Well	33.1	105	81-110	N/A		(2013) Stand sits on an upland ridge complex surrounded by lowland types. Stand is open grown with a mix of pine and deciduous species.
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Trees are mature. Old stumps present on ridge.
	Red Maple	5	Pole/Sapling	6		Re	d Maple	Low	< 5 feet	Sapling	Trocc are maraner ora erampe process conneger
	Paper Birch	10	Log/Pole	10		Ва	lsam Fir	Low	< 5 feet	Sapling	
	Quaking Aspen	3	Log	12		Blac	k Spruce	Low	< 5 feet	Sapling	
	Black Spruce	12	Pole/Log/Sap	8 c		Wh	ite Pine	Low	5 - 10 feet	Sapling	
	White Pine	25	Log/XLog	18							-
	Red Pine	30	Log/XLog	18	105						
	Jack Pine	15	Log/Pole	10							
44	6121 -	Tamarack	5	Sapling	Medium	138.5	115	1-50	N/A		Low ground. Many trees in stand are suppressed and sub-merchantable.
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Black Spruce	10	Sapling/Pole	4		Blac	k Spruce	Low	10 - 20 feet	Sapling	
Nor	rthern White Cedar	40	Sapling/Pole	5		Northern	White Cedar	Medium	5 - 10 feet	Sapling	
	Tamarack	50	Pole/Sapling	7	115	Та	marack	Medium	10 - 20 feet	Sapling	
				'		Та	g Alder	Medium	< 5 feet	Tall Shrub	
45	4140 - Other U	•	duous F	Poletim	er Well	3.9	80 nopy Species	51-80 Density	N/A Avg. Height	Size	
	Paper Birch	65	Pole	8	80		er Birch	Medium	>20 feet	Pole	
	Quaking Aspen	15	Log	12			Isam Fir	Low	5 - 10 feet	Sapling	
	Balsam Poplar	10	Pole/Log	10			k Spruce	Low	10 - 20 feet	Sapling	
	Black Spruce	5	Sapling/Pole				g Alder	Medium	5 - 10 feet	Tall Shrub	
Nor	rthern White Cedar	5	Pole	7	L		9 7 11401	Modiani	0 101001	Tan Omas	1
46		lack Spruce		Poletimb		16.9		Inspecified	N/A		1
	Canopy Species	% Cover			l Age		nopy Species		Avg. Height	Size	
	Black Spruce	50	Pole/Sapling		100		k Spruce	Medium	Variable	Sapling	
Nor	rthern White Cedar	5	Pole/Sapling				marack	Medium	Variable	Sapling	
	Tamarack	40	Pole/Sapling				g Alder	Low	5 - 10 feet	Tall Shrub	
	White Pine	5	Log	16		Labr	ador Tea	Medium	< 5 feet	Tall Shrub	
47	720 - Exp	posed Rock	(	Nonst	ocked	13.4	0 L	Jnspecified	No		RR grade ROW
48	6224 - <sup>-</sup>	Treed Bog		Nonst	ocked	1.8	L	Inspecified	No		Sapling/seedling sized cedar and tamarck. Cattail present. Old stumps in middle of stand. <20% canopy, wetland type



Stand	Level 4 Cover Type		s	ize De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
49	4134 - Aspe	en, Spruce/	Fir Sa	awtimb	er Well	17.4	85	81-110	N/A		Stand is starting to break up due to be over mature.
(	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	(2013) Stand mostly aspen in the overstory with occasional white pine.
	Red Maple	10	Pole/Sapling	6		Red	d Maple	Low	5 - 10 feet	Sapling	Aspen is mature. Younger balsam fir and spruce in the understory
	Paper Birch	5	Pole	10		Bal	sam Fir	High	10 - 20 feet	Sapling	coming up under the aspen.
C	Quaking Aspen	40	Log	12	85	Black	k Spruce	Medium	10 - 20 feet	Sapling	
В	Bigtooth Aspen	5	Log	12		Wh	ite Pine	Low	10 - 20 feet	Sapling	
	Balsam Fir	15	Pole/Sapling	6		Ta	g Alder	Low	< 5 feet	Tall Shrub	
	Black Spruce	10	Pole/Sapling	6							
	White Pine	15	Log	18							
50	6122 - Bla	ack Spruce	Po	oletimb	er Well	87.1	115	111-140	N/A		(2013) Stand is a mix of lowland conifers many consisting of spruce and
(	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	cedar. Decent spruce in most of the stand. Cedar/spruce density ratios vary throughout stand. Some areas are almost pure spruce while others
	Red Maple	5	Pole/Sapling	7		Bal	sam Fir	Medium	5 - 10 feet	Sapling	are more mixed. Small stream on the north edge of stand.
	Paper Birch	5	Pole	8		Black	k Spruce	Medium	>20 feet	Sapling	
C	Quaking Aspen	3	Log/Pole	9		Northern	White Cedar	Low	5 - 10 feet	Sapling	
	Black Spruce	50	Pole/Sapling	8	115	Tai	marack	Low	5 - 10 feet	Sapling	
		25	Pole/Log/Sap	8		Ta	g Alder	Medium	< 5 feet	Tall Shrub	
Nort	thern White Cedar	25	1 Olo/Log/Oup								
Nort	thern White Cedar Tamarack	25	Pole	9			ador Tea	Medium	< 5 feet	Tall Shrub	
Nort				9				Medium	< 5 feet	Tall Shrub	
51	Tamarack White Pine	2	Pole Pole/Log	10	per Well		ador Tea	Medium nspecified	< 5 feet	Tall Shrub	Old winter logging roads through stand.
51	Tamarack White Pine	2 10 wland Ceda	Pole Pole/Log	10 oletimb	per Well	Labra 156.0	ador Tea		· ·	Tall Shrub	Old winter logging roads through stand.
51	Tamarack White Pine 6120 - Low	2 10 wland Ceda	Pole Pole/Log	10 oletimb		156.0	ador Tea	nspecified	N/A		
51	Tamarack White Pine 6120 - Lov Canopy Species	2 10 wland Ceda	Pole Pole/Log  Pole/Log  Size Class	10 DBH		156.0 Sub-Car	90 U	nspecified  Density	N/A Avg. Height	Size	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is
<b>51</b>	Tamarack White Pine 6120 - Low Canopy Species Paper Birch	2 10 wland Ceda % Cover 5	Pole Pole/Log  Pole Size Class Pole	10 DBH		156.0  Sub-Car  Pap  Bal	90 Unopy Species er Birch	nspecified  Density  Low	N/A Avg. Height 10 - 20 feet	<b>Size</b> Sapling	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch
<b>51</b>	Tamarack White Pine 6120 - Low Canopy Species Paper Birch Quaking Aspen	2 10 wland Ceda % Cover 5 3	Pole Pole/Log  IT Pole Size Class Pole Log	DBH 8 10		156.0  Sub-Car  Pap  Bal  Blac	90 U nopy Species per Birch sam Fir	nspecified  Density  Low  Low	N/A  Avg. Height  10 - 20 feet  5 - 10 feet	Size Sapling Sapling	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch
51 C	Tamarack White Pine 6120 - Lov Canopy Species Paper Birch Quaking Aspen Balsam Poplar	2 10 wland Ceda % Cover 5 3 5	Pole Pole/Log  Pole/Log  Size Class Pole Log Pole/Log	10  DBH  8  10  8		156.0  Sub-Car  Pap  Bal  Black  Northern	90 U nopy Species per Birch sam Fir k Spruce	nspecified  Density  Low  Low  Medium	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet	Size Sapling Sapling Sapling	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch
51 C	Tamarack White Pine 6120 - Lov Canopy Species Paper Birch Quaking Aspen Balsam Poplar Balsam Fir	2 10 wland Ceda % Cover 5 3 5 5	Pole Pole/Log  Size Class Pole Log Pole/Log Sapling	10  DBH  8 10 8 3		156.0  Sub-Car  Pap  Bal  Black  Northern	90 U nopy Species per Birch sam Fir k Spruce White Cedar	nspecified  Density  Low  Low  Medium  Medium	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet	Size Sapling Sapling Sapling Sapling	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.
51 C	Tamarack White Pine 6120 - Lov Canopy Species Paper Birch Quaking Aspen Balsam Poplar Balsam Fir Black Spruce	2 10 wland Ceda % Cover 5 3 5 5 15	Pole Pole/Log  Size Class Pole Log Pole/Log Sapling Pole/Sapling	10  DBH  8  10  8  7	I Age	156.0  Sub-Car  Pap  Bal  Black  Northern	90 U nopy Species per Birch sam Fir k Spruce White Cedar marack	nspecified  Density  Low  Low  Medium  Medium  Low	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.
51 C	Tamarack White Pine 6120 - Lov Canopy Species Paper Birch Quaking Aspen Balsam Poplar Balsam Fir Black Spruce thern White Cedar	2 10 wland Ceda % Cover 5 3 5 5 15 5	Pole Pole/Log  Size Class Pole Log Pole/Log Sapling Pole/Sapling Pole/Sapling	10 DBH 8 10 8 3 7 7	I Age	156.0  Sub-Car  Pap  Bal  Black  Northern	90 U nopy Species per Birch sam Fir k Spruce White Cedar marack	nspecified  Density  Low  Low  Medium  Medium  Low	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.
51 C	Tamarack White Pine 6120 - Low Canopy Species Paper Birch Quaking Aspen Balsam Poplar Balsam Fir Black Spruce thern White Cedar Tamarack	2 10 wland Ceda % Cover 5 3 5 5 15 50 15 2	Pole Pole/Log  Size Class Pole Log Pole/Log Sapling Pole/Sapling Pole/Sapling Pole/Log Log	10 DBH 8 10 8 3 7 7 9 16	I Age	156.0  Sub-Car  Pap  Bal  Black  Northern	90 U nopy Species per Birch sam Fir k Spruce White Cedar marack	nspecified  Density  Low  Low  Medium  Medium  Low	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.
51 CC E North	Tamarack White Pine 6120 - Lov Canopy Species Paper Birch Quaking Aspen Balsam Poplar Balsam Fir Black Spruce thern White Cedar Tamarack White Pine	2 10 wland Ceda % Cover 5 3 5 5 15 50 15 2	Pole Pole/Log  Size Class Pole Log Pole/Log Sapling Pole/Sapling Pole/Sapling Pole/Log Log	10  DBH  8 10 8 3 7 7 9 16	Age 90	Labra 156.0  Sub-Car Pap Bal Black Northern Tai Tai	90 U nopy Species Per Birch sam Fir k Spruce White Cedar marack g Alder	nspecified  Density  Low  Low  Medium  Medium  Low  Medium	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet  < 5 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.  Harvest with surrounding stands.
51 CC E North	Tamarack White Pine 6120 - Lov Canopy Species Paper Birch Quaking Aspen Balsam Poplar Balsam Fir Black Spruce thern White Cedar Tamarack White Pine 429 - Mixed L	2 10 wland Ceda % Cover 5 3 5 5 15 50 15 2	Pole Pole/Log  Size Class Pole Log Pole/Log Sapling Pole/Sapling Pole/Sapling Pole/Log Log Sapling Pole/Sapling Pole/Sapling Sapling Pole/Sapling Pole/Sapling Sapling Pole/Sapling Sapling Sapling	10  DBH  8 10 8 3 7 7 9 16	90 eer Well	156.0  Sub-Car  Pap  Bal  Black  Northern  Tai  7.2  Sub-Car	90 U nopy Species per Birch sam Fir k Spruce White Cedar marack g Alder	Density Low Low Medium Medium Low Medium Medium Low Medium	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet  < 5 feet  N/A	Size Sapling Sapling Sapling Sapling Sapling Tall Shrub	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.  Harvest with surrounding stands.  (2013) Stand is subtle rise in topography amongst lowland type, lowland
51 CC E North	Tamarack White Pine 6120 - Lov Canopy Species Paper Birch Quaking Aspen Balsam Poplar Balsam Fir Black Spruce thern White Cedar Tamarack White Pine 429 - Mixed L Canopy Species	2 10 wland Ceda % Cover 5 3 5 15 5 15 2 Upland Con % Cover	Pole Pole/Log  Size Class Pole Log Pole/Log Sapling Pole/Sapling Pole/Sapling Pole/Log Log Sapling Pole/Sapling Pole/Sapling Pole/Log Log Sapling Pole/Log Sapling	10  DBH  8 10 8 3 7 7 9 16  DBH  Bawtimb	90 eer Well	Labra  156.0  Sub-Car  Pap  Bal  Black  Northern  Tai  Tag  7.2  Sub-Car	90 U nopy Species per Birch sam Fir k Spruce White Cedar marack g Alder  115 nopy Species	nspecified  Density  Low  Low  Medium  Medium  Low  Medium  Medium  Density	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet  < 5 feet  N/A  Avg. Height	Size Sapling Sapling Sapling Sapling Sapling Tall Shrub	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.  Harvest with surrounding stands.
51 CC E North	Tamarack White Pine 6120 - Lov Canopy Species Paper Birch Quaking Aspen Balsam Poplar Balsam Fir Black Spruce thern White Cedar Tamarack White Pine 429 - Mixed U Canopy Species Red Maple	2 10 wland Ceda % Cover 5 3 5 15 5 15 2 Jpland Con % Cover 20	Pole Pole/Log  Size Class Pole Log Pole/Log Sapling Pole/Sapling Pole/Sapling Pole/Sapling Pole/Log Log Sapling Pole/Log Log Log Size Class Log/Pole	10	90 eer Well	Labra  156.0  Sub-Car  Pap  Bal  Blac  Northern  Tar  7.2  Sub-Car  Rec  Bal	90 U nopy Species ber Birch sam Fir k Spruce White Cedar marack g Alder  115 nopy Species d Maple sam Fir	nspecified  Density  Low  Low  Medium  Medium  Low  Medium  Density  Low	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  - 20 feet  × 5 feet  N/A  Avg. Height  10 - 20 feet	Size Sapling Sapling Sapling Sapling Sapling Tall Shrub Size Sapling Sapling	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.  Harvest with surrounding stands.  (2013) Stand is subtle rise in topography amongst lowland type, lowland
51 CC E North	Tamarack White Pine 6120 - Lov Canopy Species Paper Birch Quaking Aspen Balsam Poplar Balsam Fir Black Spruce thern White Cedar Tamarack White Pine 429 - Mixed L Canopy Species Red Maple Paper Birch	2 10 wland Ceda % Cover 5 3 5 15 5 15 2 Upland Con % Cover 20 10	Pole Pole/Log  Ir Pole Size Class Pole Log Pole/Log Sapling Pole/Sapling Pole/Sapling Pole/Log Log Size Class Log/Pole Pole/Log	10	90 eer Well	156.0  Sub-Car Pap Bal Blaci Northern Tai 7.2  Sub-Car Rec Bal Blaci	90 U nopy Species oer Birch sam Fir k Spruce White Cedar marack g Alder  115 nopy Species d Maple	nspecified  Density  Low  Medium  Medium  Low  Medium  Low  Medium  Low  Medium  Low  Medium	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet  × 5 feet  N/A  Avg. Height  10 - 20 feet  5 - 10 feet	Size Sapling Sapling Sapling Sapling Sapling Tall Shrub	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.  Harvest with surrounding stands.  (2013) Stand is subtle rise in topography amongst lowland type, lowland on edges of stand. Balsam fir is heavy for the most part in understory.
51 CC E North	Tamarack White Pine 6120 - Lov Canopy Species Paper Birch Quaking Aspen Balsam Poplar Balsam Fir Black Spruce thern White Cedar Tamarack White Pine 429 - Mixed U Canopy Species Red Maple Paper Birch Balsam Fir	2 10 wland Ceda % Cover 5 3 5 5 15 50 15 2 Upland Con % Cover 20 10 5 20	Pole Pole/Log  Ir Pole Size Class Pole Log Pole/Log Sapling Pole/Sapling Pole/Sapling Pole/Log Log  Ifers Sa Size Class Log/Pole Pole/Log Sapling/Pole Pole	10  DBH  8  10  8  3  7  7  9  16  DBH  10  A  10  4	90 eer Well	156.0  Sub-Car Pap Bal Black Northern Tal Tar  7.2  Sub-Car Rec Bal Black Tar	90 U nopy Species per Birch sam Fir k Spruce White Cedar marack g Alder  115 nopy Species d Maple sam Fir k Spruce	nspecified  Density  Low  Low  Medium  Low  Medium  Low  Medium  Low  Medium  Low  Medium	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet  < 5 feet  N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling Tall Shrub Size Sapling Sapling Sapling	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.  Harvest with surrounding stands.  (2013) Stand is subtle rise in topography amongst lowland type, lowland on edges of stand. Balsam fir is heavy for the most part in understory.
51 CC E North	Tamarack White Pine 6120 - Lov Canopy Species Paper Birch Quaking Aspen Balsam Poplar Balsam Fir Black Spruce thern White Cedar Tamarack White Pine 429 - Mixed L Canopy Species Red Maple Paper Birch Balsam Fir Black Spruce	2 10 wland Ceda % Cover 5 3 5 15 50 15 2 Upland Con % Cover 20 10 5	Pole Pole/Log  Ir Pole Size Class Pole Log Pole/Log Sapling Pole/Sapling Pole/Sapling Pole/Log Log Size Class Log/Pole Pole/Log Sapling/Pole	10  DBH  8  10  8  3  7  9  16  DBH  10  10  4  8	90 eer Well	156.0  Sub-Car Pap Bal Black Northern Tal Tar  7.2  Sub-Car Rec Bal Black Tar	90 U nopy Species per Birch sam Fir k Spruce White Cedar marack g Alder  115 nopy Species d Maple sam Fir k Spruce	nspecified  Density  Low  Low  Medium  Low  Medium  Low  Medium  Low  Medium  Low  Low  Low  Low  Low  Low  Low  Lo	N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  - 20 feet  × 5 feet  N/A  Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  5 - 10 feet  5 - 10 feet  5 - 10 feet	Size Sapling Sapling Sapling Sapling Sapling Tall Shrub Size Sapling Sapling Sapling Tall Shrub	Old winter logging roads through stand.  (2013) Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.  Harvest with surrounding stands.  (2013) Stand is subtle rise in topography amongst lowland type, lowland on edges of stand. Balsam fir is heavy for the most part in understory.



Stan	d Level 4 C	over Type	s	ize Dens	ity	Acres Stand Age B	A Range	Managed S	Site	General Comments
53	4191 - Mixed Upla Co	and Decidu onifer	ous with Sa	awtimber	Well	59.5 95	81-110	N/A		Species are over mature, harvest to now to make sure good regeneration occurs.
	Canopy Species	% Cover	Size Class	DBH A	\ge					(2013) Stand is quite a mix. The western portion is primarily red maple
	Red Maple	50	Log/Pole	14 9	95					with a more open understory. Maple is poor quality. Parts of the the
	Yellow Birch	2	Log/Pole	16						stand has a large diameter white pine overstory. The eastern part of the
	Paper Birch	5	Pole/Log	12						stand has a aspen component that is large diameter and overmature. Balsam fir is thick in many parts of the subcanopy. The southern edges
	Quaking Aspen	3	Log/XLog	16						of the stand drop off into more of a lowland type. Some wintering deer in
	Balsam Fir	5	Sapling/Pole	6						here now but very light activity. Evidence of past browsing on red maple
	Black Spruce	10	Pole/Log/Sap	10						seedlings.
No	orthern White Cedar	10	Pole/Log	10						
	White Pine	10	Log/XLog	18						
54	42210 - Nat	tural Red P	ine Sa	awtimber	Well	4.2 100	111-140	N/A		Stand sits on a ridge. Decent quality red pine in stand. More birch in
	Canopy Species	% Cover	Size Class	DBH A	\ge	Sub-Canopy Species	Density	Avg. Height	Size	stand on the north side of ridge.
	Paper Birch	15	Log/Pole	10		Balsam Fir	Low	5 - 10 feet	Sapling	
	Black Spruce	5	Pole	8			,			-
	White Pine	20	XLog/Log	18						
	Red Pine	60	Log/Pole/XLog	14 1	00					
55										
ออ	42290 - Natu	ural Mixed I	Pine Sa	awtimber	Well	38.9 116	81-110	N/A		Old skid road on top of ridge.
33	42290 - Natu		Pine Sa Size Class	wtimber		38.9 116 Sub-Canopy Species		N/A Avg. Height	Size	7
33									<b>Size</b> Sapling	(2013) Stand mostly occurs along a ridge that is flanked by lowland
33	Canopy Species	% Cover	Size Class	DBH A		Sub-Canopy Species	Density	Avg. Height		(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in
33	Canopy Species Paper Birch	% Cover	Size Class Pole	DBH A		Sub-Canopy Species Red Maple	<b>Density</b> Low	Avg. Height	Sapling Sapling	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few
33	Canopy Species Paper Birch Bigtooth Aspen	% Cover 5 10	Size Class Pole Log	9 14 8		Sub-Canopy Species  Red Maple  Balsam Fir	Density Low High	<b>Avg. Height</b> 10 - 20 feet 5 - 10 feet	Sapling Sapling Sapling	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in
33	Canopy Species Paper Birch Bigtooth Aspen Black Spruce	% Cover 5 10 5	Size Class Pole Log Pole XLog/Log	9 14 8	\ge	Sub-Canopy Species Red Maple Balsam Fir Black Spruce	Density Low High Medium	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet	Sapling Sapling Sapling Sapling	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few
33	Canopy Species Paper Birch Bigtooth Aspen Black Spruce White Pine	% Cover 5 10 5 40	Size Class Pole Log Pole	9 14 8 18 1	<b>Age</b>	Sub-Canopy Species  Red Maple  Balsam Fir  Black Spruce  White Pine	Low High Medium Medium Low	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet	Sapling Sapling Sapling	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few places in understory.
56	Canopy Species Paper Birch Bigtooth Aspen Black Spruce White Pine Red Pine	% Cover 5 10 5 40	Size Class Pole Log Pole XLog/Log XLog/Log	9 14 8 18 1	Age	Sub-Canopy Species  Red Maple Balsam Fir Black Spruce White Pine Red Pine Blueberry/Bilberry/Cranbel	Low High Medium Medium Low	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet	Sapling Sapling Sapling Sapling Sapling	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few places in understory.  Center of stand has less BA but still fully stocked with an average of 90
	Canopy Species Paper Birch Bigtooth Aspen Black Spruce White Pine Red Pine	% Cover 5 10 5 40 40 40 ack Spruce	Size Class Pole Log Pole XLog/Log XLog/Log	9 14 8 1 18 1	Age	Sub-Canopy Species  Red Maple Balsam Fir Black Spruce White Pine Red Pine Blueberry/Bilberry/Cranber	Density Low High Medium Medium Low rry Low 81-110	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet  Variable	Sapling Sapling Sapling Sapling Sapling	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few places in understory.
	Canopy Species Paper Birch Bigtooth Aspen Black Spruce White Pine Red Pine	% Cover 5 10 5 40 40 40 ack Spruce	Size Class Pole Log Pole XLog/Log XLog/Log	9 14 8 1 18 1 oletimber	Age	Sub-Canopy Species  Red Maple  Balsam Fir  Black Spruce  White Pine  Red Pine  Blueberry/Bilberry/Cranbel	Density Low High Medium Medium Low rry Low 81-110	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet  Variable  N/A	Sapling Sapling Sapling Sapling Sapling Sapling Tall Shrul	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few places in understory.  Center of stand has less BA but still fully stocked with an average of 90
	Canopy Species Paper Birch Bigtooth Aspen Black Spruce White Pine Red Pine  6122 - Bl  Canopy Species	% Cover	Size Class  Pole Log Pole XLog/Log XLog/Log	DBH A 9	Age	Sub-Canopy Species  Red Maple Balsam Fir Black Spruce White Pine Red Pine Blueberry/Bilberry/Cranber  8.9 95  Sub-Canopy Species	Density Low High Medium Low Low Low  81-110  Density	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet  Variable  N/A  Avg. Height	Sapling Sapling Sapling Sapling Sapling Sapling Tall Shrut	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few places in understory.  Center of stand has less BA but still fully stocked with an average of 90 BA. Pine, cedar, and hemlock found on the edge of stand.  (2013) Stand consists mostly of black spruce with a mix of other species such as hemlock, cedar, yellow birch, red maple, paper birch and minor
	Canopy Species Paper Birch Bigtooth Aspen Black Spruce White Pine Red Pine  6122 - Bl  Canopy Species Red Maple	% Cover 5 10 5 40 40 40 ack Spruce % Cover 5	Size Class Pole Log Pole XLog/Log XLog/Log Size Class Log/Pole	DBH A 9	Age	Sub-Canopy Species  Red Maple  Balsam Fir  Black Spruce  White Pine  Red Pine  Blueberry/Bilberry/Cranber  8.9 95  Sub-Canopy Species  Red Maple	Density Low High Medium Low Low Try Low  81-110  Density Low	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet  Variable  N/A  Avg. Height  10 - 20 feet	Sapling Sapling Sapling Sapling Sapling Sapling Tall Shrut	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few places in understory.  Center of stand has less BA but still fully stocked with an average of 90 BA. Pine, cedar, and hemlock found on the edge of stand.  (2013) Stand consists mostly of black spruce with a mix of other species such as hemlock, cedar, yellow birch, red maple, paper birch and minor component of tamarack. Spruce is decent quality. Large white pine
56	Canopy Species Paper Birch Bigtooth Aspen Black Spruce White Pine Red Pine  6122 - Bl Canopy Species Red Maple Paper Birch	% Cover	Pole  Log Pole XLog/Log XLog/Log Size Class Log/Pole Pole/Log	DBH A 9	Mge Well	Sub-Canopy Species  Red Maple Balsam Fir Black Spruce White Pine Red Pine Blueberry/Bilberry/Cranbel  8.9 95  Sub-Canopy Species Red Maple Balsam Fir	Density Low High Medium Low Try Low  81-110  Density Low Medium	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  Variable  N/A  Avg. Height  10 - 20 feet  10 - 20 feet	Sapling Sapling Sapling Sapling Sapling Tall Shrut Size Sapling Sapling	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few places in understory.  Center of stand has less BA but still fully stocked with an average of 90 BA. Pine, cedar, and hemlock found on the edge of stand.  (2013) Stand consists mostly of black spruce with a mix of other species such as hemlock, cedar, yellow birch, red maple, paper birch and minor component of tamagrack. Spruce is decent quality. Large white pine
56	Canopy Species Paper Birch Bigtooth Aspen Black Spruce White Pine Red Pine  6122 - Bl Canopy Species Red Maple Paper Birch Black Spruce	% Cover	Pole Log Pole XLog/Log XLog/Log Size Class Log/Pole Pole/Log Pole	DBH A 9 14 8 18 18 18 18 18 11 18 0letimber DBH A 14 12 8 9	Mge Well	Sub-Canopy Species  Red Maple Balsam Fir Black Spruce White Pine Red Pine Blueberry/Bilberry/Cranbel  8.9 95  Sub-Canopy Species Red Maple Balsam Fir	Density Low High Medium Low Try Low  81-110  Density Low Medium	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  Variable  N/A  Avg. Height  10 - 20 feet  10 - 20 feet	Sapling Sapling Sapling Sapling Sapling Tall Shrut Size Sapling Sapling	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few places in understory.  Center of stand has less BA but still fully stocked with an average of 90 BA. Pine, cedar, and hemlock found on the edge of stand.  (2013) Stand consists mostly of black spruce with a mix of other species such as hemlock, cedar, yellow birch, red maple, paper birch and minor component of tamarack. Spruce is decent quality. Large white pine
56	Canopy Species Paper Birch Bigtooth Aspen Black Spruce White Pine Red Pine  6122 - Bl Canopy Species Red Maple Paper Birch Black Spruce orthern White Cedar	% Cover	Pole  Size Class  Pole  Log  Pole  XLog/Log  XLog/Log  Size Class  Log/Pole  Pole/Log  Pole  Pole/Log	DBH A 9 14 8 18 18 18 18 18 11 18 0letimber  DBH A 14 12 8 9	Mge Well	Sub-Canopy Species  Red Maple Balsam Fir Black Spruce White Pine Red Pine Blueberry/Bilberry/Cranbel  8.9 95  Sub-Canopy Species Red Maple Balsam Fir	Density Low High Medium Low Try Low  81-110  Density Low Medium	Avg. Height  10 - 20 feet  5 - 10 feet  10 - 20 feet  10 - 20 feet  Variable  N/A  Avg. Height  10 - 20 feet  10 - 20 feet	Sapling Sapling Sapling Sapling Sapling Tall Shrut Size Sapling Sapling	(2013) Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few places in understory.  Center of stand has less BA but still fully stocked with an average of 90 BA. Pine, cedar, and hemlock found on the edge of stand.  (2013) Stand consists mostly of black spruce with a mix of other species such as hemlock, cedar, yellow birch, red maple, paper birch and minor component of tamarack. Spruce is decent quality. Large white pine



Stand	tand Level 4 Cover Type				ensity	Acres	Stand Age E	BA Range	Managed \$	Site	General Comments
57	6224 -	Treed Bog		Nonst	ocked	62.4	ι	Inspecified	No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
							Alder	Medium		Tall Shrub	
						Blac	ck Spruce	Medium		Sapling	
						Lab	rador Tea	Low		Tall Shrub	
						Ta	amarack	Low		Sapling	
						Le	atherleaf	Low		Tall Shrub	
						W	hite Pine	Trace		Log	
58	3302 - Low Der	nsity Conife	r Trees	Nonst	ocked	10.9	ι	Inspecified	No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Ta	amarack	Medium		Pole	
						Pa	per Birch	Low		Pole	
						Bals	am Poplar	Low		Pole	
						Northern	n White Cedar	Low		Pole	
						Ta	ag Alder	High		Tall Shrub	
						Blad	ack Spruce	Medium		Sapling	
59	6122 - B	lack Spruce	e Po	oletimb	er Well	56.0	100	81-110	N/A		Stand is predominately lowland black spruce with a scattering of log
	Canopy Species	% Cover	Size Class	DBH	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sized white pine in the overstory. Lowland brush species present in places in the understory.
	Black Spruce	80	Pole	8	100	Blad	ck Spruce	Low	10 - 20 feet	Sapling	,
	Tamarack	5	Pole	9		Lab	rador Tea	Low	Variable	Tall Shrub	
	White Pine	10	Log	16							
	Red Maple	5	Pole	7							
60	42290 - Nati	ural Mixed F	Pine Sa	awtimb	er Well	3.3	100	51-80	N/A		Stand sits on a narrow upland ridge that supports red/white pine mixed
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	with spruce, birch and maple. B. fir/spruce in understory.
	Red Maple	5	Pole/Sapling	7		Re	ed Maple	Low	10 - 20 feet	Sapling	
	Paper Birch	10	Pole/Log	10		Pa	per Birch	Low	>20 feet	Pole	
	Black Spruce	20	Sapling/Pole	7		Ва	ılsam Fir	Medium	5 - 10 feet	Sapling	
	White Pine	25	Log/XLog	18		Blad	ck Spruce	Medium	10 - 20 feet	Sapling	
	Red Pine	40	Log	16	100	R	ed Pine	Low	>20 feet	Pole	
61	6122 - B	lack Spruce	e Po	oletimb	er Well	18.2	100	51-80	N/A		Harvest with compartment to the north.
	Canopy Species	% Cover	Size Class	DBH	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	(2013) Merchantable black spruce ranges from 1 - 4 sticks tall but
	Black Spruce	95	Pole/Sapling	7	100	Blad	ck Spruce	Medium	10 - 20 feet	Sapling	several stems sub-merchantable sized. Lab tea on the ground amongst
	Tamarack	5	Pole	9		Lab	rador Tea	Low	Variable	Tall Shrub	lowland brush.



Stand	l Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments	MICHIGAN
62	6117 - Lowland I Coni	Deciduous, ferous	Mixed F	Poletimb	er Well	5.3	85	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size		
	Paper Birch	45	Pole/Log	9	85		er Birch	Medium	10 - 20 feet	Pole		
	Quaking Aspen	10	Log	12		Ba	sam Fir	Low	5 - 10 feet	Sapling		
	Balsam Poplar	15	Pole/Log	10		Blac	k Spruce	Low	10 - 20 feet	Sapling		
	Black Spruce	10	Sapling/Pole	9 6		Northern	White Cedar	Low	>20 feet	Pole		
No	rthern White Cedar	10	Pole	8		Та	g Alder	Medium	5 - 10 feet	Tall Shrub		
	Tamarack	10	Pole/Log	9								
63	42290 - Natu	ıral Mixed P	ine S	Sawtimb	er Well	6.4	85	81-110	N/A		Harvest with compartment to the north.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Paper Birch	5	Pole	8		Quak	ing Aspen	Low	5 - 10 feet	Sapling		
	Quaking Aspen	5	Log	14		Ва	sam Fir	Low	5 - 10 feet	Sapling		
	Black Spruce	10	Pole/Sapling	9 6		Blac	k Spruce	Medium	5 - 10 feet	Sapling		
	White Pine	35	Log	10		Wh	ite Pine	Medium	10 - 20 feet	Sapling		
	Red Pine	40	Log/Pole	14	85							
	Jack Pine	5	Log	10								
64	6120 - Lov	wland Ceda	r (	Sawtimb	er Well	29.8	115	81-110	N/A		Small drainage through the middle of stand, Quinn Creek.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Black Spruce	5	Pole				a. Alala					
		_	1 010	8		Та	g Alder	Medium	< 5 feet	Tall Shrub		
No	rthern White Cedar	50	Pole/Log	8	115		ador Tea	Medium Medium	< 5 feet < 5 feet	Tall Shrub		
No	Tamarack	50			115							
No			Pole/Log	9	115							
65	Tamarack Balsam Fir 6117 - Lowland I	40 5	Pole/Log Log/Pole Pole/Sapling	9								
	Tamarack Balsam Fir 6117 - Lowland I	40 5 Deciduous,	Pole/Log Log/Pole Pole/Sapling	9 10 5 Poletimb		Labr 8.1	ador Tea	Medium 81-110	< 5 feet			
	Tamarack Balsam Fir 6117 - Lowland I Coni	40 5 Deciduous,	Pole/Log Log/Pole Pole/Sapling	9 10 5 Poletimb	er Well	8.1 Sub-Cai	ador Tea	Medium 81-110	< 5 feet	Tall Shrub		
	Tamarack Balsam Fir  6117 - Lowland I Coni Canopy Species	40 5 Deciduous, iferous	Pole/Log Log/Pole Pole/Sapling Mixed Size Class	9 10 5 Poletimb	er Well	8.1  Sub-Car	90 nopy Species	Medium 81-110  Density	< 5 feet  N/A  Avg. Height	Tall Shrub		
65	Tamarack Balsam Fir  6117 - Lowland I Coni Canopy Species Red Maple	40 5  Deciduous, iferous  **Cover** 5	Pole/Log Log/Pole Pole/Sapling Mixed Size Class Pole/Log	9 10 5 Poletimb	er Well	8.1  Sub-Cal  Re	90 nopy Species d Maple	81-110  Density  Medium	< 5 feet  N/A  Avg. Height 10 - 20 feet	Size Sapling		
65	Tamarack Balsam Fir  6117 - Lowland Coni  Canopy Species Red Maple Paper Birch	40 5 Deciduous, ferous    **Cover** 5 30	Pole/Log Log/Pole Pole/Sapling Mixed Size Class Pole/Log Pole/Log	9 10 5 Poletimb  DBH 12 10	er Well	8.1  Sub-Cal  Re  Pap  Ba	90 nopy Species d Maple per Birch	81-110  Density  Medium  Low	< 5 feet  N/A  Avg. Height  10 - 20 feet >20 feet	Size Sapling Sapling		
65	Tamarack Balsam Fir  6117 - Lowland Coni  Canopy Species Red Maple Paper Birch Quaking Aspen	40 5  Deciduous, iferous  **Cover** 5 30 15	Pole/Log Log/Pole Pole/Sapling Mixed Size Class Pole/Log Pole/Log Log	9 10 5 Poletimb DBH 12 10 12	er Well	8.1  Sub-Cal  Re  Pap  Bal  Blace	90 nopy Species d Maple per Birch sam Fir	81-110  Density  Medium  Low  Medium	< 5 feet  N/A  Avg. Height 10 - 20 feet >20 feet 10 - 20 feet	Size Sapling Sapling Sapling		
65	Tamarack Balsam Fir  6117 - Lowland I Coni  Canopy Species Red Maple Paper Birch Quaking Aspen Balsam Poplar	40 5  Deciduous, ferous  % Cover 5 30 15 10	Pole/Log Log/Pole Pole/Sapling Mixed Size Class Pole/Log Pole/Log Log Log	9 10 5 Poletimb DBH 12 10 12	er Well	8.1  Sub-Car  Re  Pap  Ba  Blac  Ta	90 nopy Species d Maple per Birch lsam Fir k Spruce	81-110  Density  Medium  Low  Medium  Low  Low	< 5 feet  N/A  Avg. Height 10 - 20 feet >20 feet 10 - 20 feet >20 feet	Size Sapling Sapling Sapling Sapling		
65	Tamarack Balsam Fir  6117 - Lowland I Coni  Canopy Species Red Maple Paper Birch Quaking Aspen Balsam Poplar Balsam Fir	40 5  Deciduous, ferous  % Cover 5 30 15 10 5	Pole/Log Log/Pole Pole/Sapling  Mixed Size Class Pole/Log Pole/Log Log Log Sapling/Pole	9 10 5 Poletimb 12 10 12 14 6	er Well	8.1  Sub-Car  Re  Pap  Ba  Blac  Ta	90 nopy Species d Maple per Birch sam Fir k Spruce g Alder	81-110  Density  Medium  Low  Medium  Low  Medium  Medium	< 5 feet  N/A  Avg. Height 10 - 20 feet >20 feet 10 - 20 feet >20 feet < 5 feet	Size Sapling Sapling Sapling Sapling Tall Shrub		
65	Tamarack Balsam Fir  6117 - Lowland I Coni  Canopy Species Red Maple Paper Birch Quaking Aspen Balsam Poplar Balsam Fir Black Spruce	40 5  Deciduous, ferous  % Cover 5 30 15 10 5 15	Pole/Log Log/Pole Pole/Sapling  Mixed  Size Class Pole/Log Pole/Log Log Log Sapling/Pole Pole	9 10 3 5 Poletimb DBH 12 10 12 14 6 8	er Well	8.1  Sub-Car  Re  Pap  Ba  Blac  Ta	90 nopy Species d Maple per Birch sam Fir k Spruce g Alder	81-110  Density  Medium  Low  Medium  Low  Medium  Medium	< 5 feet  N/A  Avg. Height 10 - 20 feet >20 feet 10 - 20 feet >20 feet < 5 feet	Size Sapling Sapling Sapling Sapling Tall Shrub		

Compartment: 75 Year of Entry: 2023



Stanc	Level 4 Co	over Type	s	Size Density		Acres Stand Age BA Range		Managed Site		General Comments
66	6117 - Lowland I Coni	Deciduous ferous	s, Mixed Po	oletimb	er Wel	20.1 90	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole/Log	10		Balsam Fir	Low	10 - 20 feet	Sapling	
	Paper Birch	30	Pole/Log	10	90	Black Spruce	Low	>20 feet	Sapling	
	Quaking Aspen	15	Log	12		Tag Alder	Low	< 5 feet	Tall Shrub	
	Balsam Poplar	10	Log	14		Labrador Tea	Medium	< 5 feet	Tall Shrub	
	Balsam Fir	5	Sapling/Pole	6						
	Black Spruce	15	Pole	8						
No	rthern White Cedar	10	Pole	8						
	Tamarack	7	Pole/Log	9						
	White Pine	3	Log	16						
67	6220 - A	lder/willow	<i>'</i>	Nonsto	cked	1.2 U Sub-Canopy Species	Inspecified <b>Density</b>	No Avg. Height	Size	
						Black Spruce	Low	Avg. Height	Pole	
						Tag Alder	Full		Tall Shrub	
68	42290 - Natu				Mediu	m 16.9 90	81-110	N/A		2013 Stand falls mostly on an upland ridge. Red pine and white pine are logsized and decent quality. Jack pine is getting old. Lowland types
	Canopy Species		Size Class		Age	Sub-Canopy Species	Density	Avg. Height	Size	surrounding stand.
	Black Spruce	10	Pole/Sapling	8		Balsam Fir	Low	5 - 10 feet	Sapling	
	White Pine	25	XLog/Log/Pole			Blueberry/Bilberry/Cranber	rry Low	< 5 feet	Tall Shrub	
	Red Pine	50	Log/Pole	16	90					
	Jack Pine	15	Log	12						
69	6122 - Bl	ack Spruce		awtimb	er Well	38.3 95	81-110	N/A		(2013) Decent spruce in stand growing mostly in lower ground. Subtle ridges throughout stand that support sawlog sized red/white pine.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	nages unoughout stand that support sawlog sized red/white pine.
	Red Maple	2	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling	
	Paper Birch	3	Pole	8		Tag Alder	Low	< 5 feet	Tall Shrub	
	Quaking Aspen	2	Log	12		Labrador Tea	Low	< 5 feet	Tall Shrub	
	Black Spruce	63	Pole/Sapling	8	95	Black Spruce	Low	Variable	Sapling	
	White Pine	15	Log/XLog	18						•

Red Pine

15

16

Log/XLog

Newberry Mgt. Unit



tand Level 4 Cove	vel 4 Cover T	уре	S	Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
70	6121 - Tamar	ack	Po	oletimb	er Well	15.0	50	51-80	N/A		Some decent pole sized tamarack in some areas of stand but most is
Canopy Spe	ecies % Co	over	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sapling sized. Low ground.
Paper Birch	h 3	3	Sapling	3		Blac	k Spruce	Low	5 - 10 feet	Sapling	
Balsam Fir	r 2	2	Sapling	1		Та	marack	Medium	>20 feet	Sapling	
Black Spruc	ce 2	5	Sapling/Pole	4		Ta	ıg Alder	Medium	< 5 feet	Tall Shrub	
Northern White	Cedar 5	5	Sapling/Pole	5		Labı	rador Tea	Medium	< 5 feet	Tall Shrub	
Tamarack	6	0	Pole/Sapling	6	50						
White Pine	5	5	Pole	8							
	Mixed Upland				er Well	38.0	108	81-110	N/A		There is enough upland area in the stand that the MC/MD stands could be harvested in the summer months.
Canopy Spe			Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	be harvested in the summer months.
Red Maple			Log/Pole	10			Isam Fir	Low	10 - 20 feet	Sapling	(2013) Stand is mix of upland and lowland types. The uplands are subtle
Paper Birch	h 5	5	Pole/Log	12			ig Alder	Low	< 5 feet	Tall Shrub	rises in topography mixed with low pockets of lowland tree species. Pine dominates the higher ground (tall and large diameter) and balsam fir is
Quaking Asp			Log	16		Labi	rador Tea	Low	< 5 feet	Tall Shrub	heavy in the subcanopy.
Balsam Fir			Sapling/Pole	6							
Black Spruc			Pole/Log	8							
Northern White			Pole/Log	9							
White Pine			Log/XLog	18	108						
Red Pine	1	5	Log/XLog	18							
<b>72</b> 6	6220 - Alder/w	illow		Nonst	cked	10.4	L	Inspecified	No		Solid tag alder.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Blac	k Spruce	Medium		Pole	
						Northern	White Cedar	Trace		Pole	
						Ta	ıg Alder	Full		Tall Shrub	
73	6224 - Treed I	Зод		Nonsto	cked	16.9	U	Inspecified	No		
						Sub-Ca	nopy Species		Avg. Height	Size	
						Wh	nite Pine	Trace		Sapling	
						Lea	atherleaf	Low		Tall Shrub	
							marack	Medium		Sapling	
							ıg Alder	Medium		Tall Shrub	
							rador Tea	Medium		Tall Shrub	
						Blac	k Spruce	Medium		Sapling	

Compartment: 75 Year of Entry: 2023



**General Comments** Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site 6129 - Mixed Coniferous Lowland Forest Poletimber Well 12.4 90 51-80 N/A **DBH Age Canopy Species** % Cover Size Class **Sub-Canopy Species** Density Avg. Height Size Paper Birch 6 Black Spruce 10 - 20 feet Sapling Pole/Sapling Medium Black Spruce 35 Sapling/Pole 4 Tamarack Medium 10 - 20 feet Sapling 6 Northern White Cedar 10 Pole Tag Alder Medium < 5 feet Tall Shrub Tamarack 45 Pole/Sap/Log 8 90 Labrador Tea Medium < 5 feet Tall Shrub White Pine 5 10 Loa/Pole 4191 - Mixed Upland Deciduous with 75 Sawtimber Well 12.9 80 81-110 N/A An average of 90 BA, most of the stand could be harvested during a dry Conifer summer. Access through stand 71. % Cover Size Class **DBH Age** Size **Canopy Species Sub-Canopy Species** Density Avg. Height Red Maple 25 Pole/Loa 9 Red Maple Low 10 - 20 feet Sapling 15 Pole/Log 10 Balsam Fir 10 - 20 feet Paper Birch Low Sapling Quaking Aspen 25 12 80 Black Spruce 10 - 20 feet Sapling Log Low Balsam Fir 5 Sapling/Pole 6 5 6 Black Spruce Pole Northern White Cedar 5 8 Pole White Pine 20 Log/XLog 18 6129 - Mixed Coniferous Lowland Forest Sawtimber Well 253.0 95 81-110 N/A 76 (2013) Stand is a diverse mix of species/ages on a variable mix of topography. Difficult to type out all the variability. There are upland **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size ridges scattered throughout this mostly lowland type stand. Pine, maple, Red Maple 5 Pole/Log/Sap 10 Northern White Cedar Low >20 feet Sapling birch, aspen types dominate the upland ridges and spruce, cedar, tamarack dominate the lowlands. Yellow Birch 2 Log/Pole 12 Tamarack Low Variable Sapling Paper Birch 5 Pole/Log 9 Tag Alder Low < 5 feet Tall Shrub 3 14 Labrador Tea Low < 5 feet Tall Shrub Quaking Aspen Log 2 10 Balsam Poplar Log/Pole 5 6 Balsam Fir Pole/Sapling 25 8

Black Spruce

Northern White Cedar

Tamarack

White Pine

Red Pine

Jack Pine

Hemlock

Pole

Pole/Log

Log/Pole

Log/XLog

Log

Log

Log/XLog

23

10

10

3

2

5

95

9

10

18

16

10

16

Compartment: 75 Year of Entry: 2023



Stand	d Level 4 C	over Type	;	Size Der	nsity	Acres	Stand Age B	A Range	Managed :	Site	General Comments
77	6132 - Mixed Lowla	and Forest	with Cedar P	oletimbe	er Wel	I 14.4	90	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole/Log	12			g Alder	Medium	< 5 feet	Tall Shrub	
	Paper Birch	20	Pole/Log	10		Labr	ador Tea	Medium	< 5 feet	Tall Shrub	
	Quaking Aspen	15	Log	12							
	Balsam Poplar	5	Log	10							
	Balsam Fir	5	Sapling/Pole	6							
	Black Spruce	22	Pole	8	90						
No	orthern White Cedar	20	Pole	8							
	Tamarack	5	Pole/Log	10							
	White Pine	3	Log	16							
78	42290 - Natu	ıral Mixed F	Pine S	Sawtimbe	er Wel	l 19.3	90	81-110	N/A		Stand falls moslty on an upland ridge. Red pine and white pine are log
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	sized and decent quality. Jack pine is gettting old. Lowland types surrounding stand as well as a few pockets mixed within.
	Paper Birch	5	Pole	8		Ва	lsam Fir	Low	5 - 10 feet	Sapling	g can a so non ao a lon poonsoo ninnoa minin
	Black Spruce	10	Sapling/Pole	7		Blueberry/B	ilberry/Cranber	ry Medium	< 5 feet	Tall Shrub	
	White Pine	30	Log/XLog	18		,					•
	Red Pine	40	Log	16	90						
	Jack Pine	15	Log	12							
79	429 - Mixed l	Jpland Con	nifers S	Sawtimbe	er Wel	149.7	100	81-110	N/A		(2013) Stand falls along a ridge for the most part, the edges of stand are
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	a bit more lowland but most of the stand is along a subtle upland ridge. Stand is somewhat variable with tree species/density due its shape,
	Red Maple	5	Pole/Log	10		Ва	lsam Fir	Low	5 - 10 feet	Sapling	topography and lowland/upland interface.
	Paper Birch	10	Pole/Log	9		Wh	ite Pine	Low	10 - 20 feet	Sapling	
	Quaking Aspen	3	Log	12		Та	g Alder	Low	< 5 feet	Tall Shrub	
	Black Spruce	20	Pole	8		Labr	ador Tea	Medium	< 5 feet	Tall Shrub	
No	orthern White Cedar	10	Pole	8						'	
	White Pine	30	Log/XLog	18	100						
	Red Pine	20	Log/XLog	18							
	Jack Pine	2	Log	12							
80	6229 - Mixed	l lowland sl	hrub	Nonsto	cked	9.6	U	nspecified	No		
						Sub-Car	nopy Species	Density	Avg. Height	Size	
							g Alder	Medium		Tall Shrub	
							per Birch	Low		Seeding	
						Wil	low spp.	Low		Tall Shrub	

Medium

Low

Low

Low

Trace

Cattail spp.

Tamarack

Black Spruce

Leatherleaf

Northern White Cedar

Non-Wood

Seeding

Tall Shrub

Seeding



Stand	Stand Level 4 Cover Type				Size Density		Stand Age E	BA Range	Managed	Site	General Comments
81	6224 - Treed Bog Nonstoc					17.1	17.1 Un:		No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Wh	nite Pine	Trace		Sapling	
						Lea	atherleaf	Low		Tall Shrub	
						Ta	g Alder	Medium		Tall Shrub	
						Та	marack	Medium		Sapling	
						Blac	k Spruce	Medium		Sapling	
						Labı	ador Tea	Medium		Tall Shrub	
82	6229 - Mixed	lowland s	hrub i	Vonst	ocked	11.3	U	Inspecified	No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Ca	ttail spp.	Medium		Non-Wood	
						Та	Tag Alder			Tall Shrub	
83	42290 - Natu	42290 - Natural Mixed Pine				II 13.3			N/A		(2013) Stand falls mostly on an upland ridge. Red pine and white pine are log sized and decent quality. Jack pine is getting old. Lowland type
	Canopy Species	% Cover	Size Class		I Age	Sub-Canopy Species		Density	Avg. Height	Size	surrounding stand as well as a few pockets mixed within.
	Red Maple	5	Pole/Log	10			Isam Fir	Low	10 - 20 feet	Sapling	•
	Paper Birch	5	Pole	8			k Spruce	Low	10 - 20 feet	Sapling	
(	Quaking Aspen	5	Log	12		Blueberry/B	ilberry/Cranbe	rry Medium	< 5 feet	Tall Shrub	
	Black Spruce	15	Pole/Sapling	7							
	White Pine	20	Log/XLog	16							
	Red Pine	35	Log	16	90						
	Jack Pine	15	Log	10							
84	6120 - Lov	wland Ced	ar Po	letimb	er We	ll 15.2	90	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	10	Pole	8		Pap	oer Birch	Low	10 - 20 feet	Sapling	
(	Quaking Aspen	2	Log	10		Ва	lsam Fir	Low	5 - 10 feet	Sapling	
	Balsam Poplar	3	Pole	8		Blac	k Spruce	Low	10 - 20 feet	Sapling	
	Balsam Fir	5	Sapling/Pole	3		Northern	White Cedar	Low	10 - 20 feet	Sapling	
	Black Spruce	15	Pole	8		Та	marack	Low	10 - 20 feet	Sapling	
Nor	thern White Cedar	50	Pole	8	90	Ta	ıg Alder	Medium	< 5 feet	Tall Shrub	
	Tamarack	15	Pole/Log	9						1	



Stand	Level 4 Co	Cover Type		Size Density		Acres	Stand Age I	tand Age BA Range		Site	General Comments
85	4191 - Mixed Upla Co	and Decidu nifer	ious with S	Sawtimbe	er Well	12.5	85	81-110	N/A		Stand is a mix of aspen, birch, maple and conifer species. pine, spruce and balsam. Maple regen has been browsed in the past.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	30	Pole/Log/Sap	10	85	Ва	lsam Fir	Low	5 - 10 feet	Sapling	
	Paper Birch	20	Pole/Log	10		Blad	k Spruce	Low	5 - 10 feet	Sapling	
	Quaking Aspen	20	Log	16							•
	Balsam Fir	5	Pole/Log/Sap	8							
	Black Spruce	5	Pole	8							
	White Pine	15	Log	14							
	Red Pine	5	Log	14							
86	6224 - T	reed Bog		Nonsto	cked	23.2	ι	Jnspecified	No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Northerr	White Cedar	Low		Seeding	
						WI	nite Pine	Trace		Sapling	
						Blad	k Spruce	Medium		Sapling	
						Та	marack	Medium		Sapling	
87	6230 -	- Cattail		Nonsto	cked	19.3		Jnspecified	No		Old beaver flooding. Standing tree snags and stumps. Some cedar and tamarack seedling/saplings present. Cattails growing now.
							nopy Species		Avg. Height	Size	
							ttail spp.	Medium		Non-Wood	
							marack	Low		Sapling	
							rador Tea	Medium		Tall Shrub	
							nite Pine	Trace		Sapling	
							ig Alder	Medium		Tall Shrub	
						Northerr	White Cedar	Low		Sapling	
88	4191 - Mixed Upla Co	nd Decidu nifer	ious with S	Sawtimbe	er Well	8.9	90	81-110	N/A		Average BA is around 90.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	30	Pole/Log/Sap	10	90	Re	d Maple	Medium	5 - 10 feet	Sapling	
	Paper Birch	15	Log/Pole	10		Ва	lsam Fir	Medium	10 - 20 feet	Sapling	
	Quaking Aspen	25	Log	16		Blad	k Spruce	Medium	5 - 10 feet	Sapling	
	Balsam Fir	5	Pole	7				'		,	•
	Black Spruce	10	Pole	8							
	White Pine	10	Log	14							
	rthern White Cedar	5									

Report 7 – Stands

Compartment: 75

Year of Entry: 2023

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**General Comments** Stand Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site 4136 - Aspen, Mixed Conifer Sapling Well 28.8 19 1-50 N/A Stand looks good. 89 **Canopy Species DBH Age** % Cover Size Class (2013) Stand was mostly final harvested in 2002. Fully regenerated. 10 2 Red Maple Sapling Some scattered white pine, hemlock, red pine in overstory. Most trees that regenerated are now sapling sized 5-15' tall & 1-2"DBH or smaller. 2 Paper Birch 10 Sapling 43 2 19 Quaking Aspen Sapling Balsam Fir 10 Sapling 1 5 White Pine 14 Log Red Pine 2 14 Log 5 14 Hemlock Log 2 Pin Cherry 10 Sapling 5 2 White Spruce Sapling 6124 - Lowland Spruce-Fir Poletimber Poor 4.5 95 1-50 N/A 90 (2013) Stand is a lowland pocket surrounded by upland type. North end is a low/wet area with standing dead spruce snags. The fringe of lowland **DBH Age Canopy Species** % Cover Size Class **Sub-Canopy Species** Density Ava. Heiaht Size supports trees where it goes up onto upland site. Balsam Fir 10 Pole/Sapling 7 Labrador Tea High < 5 feet Tall Shrub 40 8 95 Black Spruce Leatherleaf Medium < 5 feet Tall Shrub Pole/Sapling Northern White Cedar 10 7 Pole White Pine 40 12 Log/Pole 6128 - Lowland Coniferous, Mixed 3.7 95 1-50 N/A 91 Poletimber Medium (2013) Stand is mostly surrounded by upland type. This stand is in a low Deciduous area that gradually becomes more low/wet and treed bog like as you move west. Size Class **DBH Age Sub-Canopy Species** Size **Canopy Species** % Cover Density Avg. Height Red Maple Pole/Log/Sap 10 Tag Alder Medium 5 - 10 feet Tall Shrub 10 Paper Birch 15 Pole/Log 9 Black Spruce 35 Pole 8 95 5 10 Tamarack Loa/Pole 25 White Pine 14 Log 10 Balsam Fir Sapling/Pole 4 6224 - Treed Boa Nonstocked 3.8 Unspecified No 92 Size **Sub-Canopy Species** Density Avg. Height White Pine Trace Sapling Black Spruce Medium Sapling Tamarack Medium Sapling Northern White Cedar Seeding Low 93 6122 - Black Spruce Poletimber Well 6.8 90 51-80 N/A (2013) Lower areas mixed throughout stand with smaller trees, treed bog types. Thick tree canopy where forested. **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Avg. Height Size Density Black Spruce 75 Pole 8 90 < 5 feet Tall Shrub Tag Alder Medium

Medium

< 5 feet

Tall Shrub

10

15

16

8

Log

Pole

Labrador Tea

White Pine

Red Maple



Stand	tand Level 4 Cover Type Size I		Size Density		Acres	Stand Age E	BA Range	Managed	Site	General Comments	
94	94 4115 - Y.Birch, Hemlock NH			wtimb	er Well	2.8 100		111-140	N/A		(2013) Stand is log sized, some very large yellow birch, w.pine, hemlock
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and red maple. South end of stand is lower and somewhat wet. Size of stand is small. Balsam fir understory is heavy in portions of stand.
	Red Maple	55	Log/Pole/XLog	16	100	Re	ed Maple	Low	Variable	Sapling	cana is small. Balean in anastery is nearly in portions of stand.
	Yellow Birch	15	XLog/Log	20		Ва	ılsam Fir	High	Variable	Sapling	
	Balsam Fir	5	Sapling/Pole	6		Blad	ck Spruce	Low	10 - 20 feet	Sapling	
	White Spruce	5	Log	14							
	White Pine	5	XLog	20							
	Hemlock	15	Log/XLog	18							
95	6220 - A	lder/willow	, N	Nonsto	cked	1.2	U	Inspecified	No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Blad	ck Spruce	Low		Pole	
						Ta	ag Alder	High		Tall Shrub	
					Northerr	n White Cedar	Low		Pole		
						Ta	amarack	Low		Log	
96	6229 - Mixed	l lowland s	hrub N	Nonsto	cked	21.7	L	Inspecified	No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Blad	ck Spruce	Trace		Pole	
						Ta	ag Alder	High		Tall Shrub	
						Northerr	n White Cedar	Trace		Pole	
						Lea	atherleaf	Medium		Tall Shrub	
						Ca	ttail spp.	Low		Non-Wood	
						WI	hite Pine	Trace		Log	
97	6120 - Lov	wland Ced	ar Po	letimb	er Well	21.8	100	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	5	Pole/Sapling	8		Blad	ck Spruce	Low	10 - 20 feet	Sapling	
	Black Spruce	10	Sapling/Pole	7		Northerr	n White Cedar	Medium	Variable	Sapling	
No	rthern White Cedar	65	Pole/Sapling	8	100	Та	amarack	Low	>20 feet	Sapling	
	Tamarack	15	Pole/Log	10		Ta	ag Alder	Medium	< 5 feet	Tall Shrub	
	White Pine	5	Log	16							-

Compartment: 75 Year of Entry: 2023



Stand	Level 4 Co	Cover Type		Size Density		Acres	Stand Age BA Range		Managed S	Site	General Comments
98	4191 - Mixed Upland Deciduous with Conifer			Sawtimber Well		ell 15.7	85	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	33	Pole/Log/Sap	10	85	Re	d Maple	Low	5 - 10 feet	Sapling	
	Paper Birch	20	Pole/Log	10		Ва	lsam Fir	Low	5 - 10 feet	Sapling	
	Quaking Aspen	20	Log	16		Blac	k Spruce	Low	5 - 10 feet	Sapling	
	Balsam Fir	5	Pole	7							
	Black Spruce	5	Pole	8							
	White Pine	15	Log	14							
	Red Pine	2	Log	16							
99	429 - Mixed U	% Cover Size Class		DBH Age				51-80 Density	N/A Avg. Height	Size	Ridge of pine, paper birch, spruce and balsam surrounded by lowland This ridge is fairly open.
	Paper Birch	20	Pole/Log	9			Isam Fir	Medium	10 - 20 feet	Sapling	
	Balsam Fir	25	Sapling	3		Blac	k Spruce	Low	Variable	Sapling	
	Black Spruce	30	Pole/Sapling	7	95	Blueberry/B	ilberry/Cranberr	y Low	5 - 10 feet	Tall Shrub	
	White Pine	5	Log	16							
	Red Pine	20	Log	16							
100	6120 - Lov	vland Ceda	ır Po	letimb	er We	ell 4.7	100	51-80	N/A		Difficult access.
					C1 VVC						
	Canopy Species	% Cover			Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
		% Cover					nopy Species k Spruce	<b>Density</b> Medium	Avg. Height Variable	<b>Size</b> Sapling	
	Canopy Species		Size Class	DBH		Blac					
	Canopy Species Black Spruce	10	Size Class Sapling/Pole	<b>DB</b> H	l Age	Blac Northerr	k Spruce	Medium	Variable	Sapling	

Medium

Labrador Tea

< 5 feet

Tall Shrub