



Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61111

Entry Year 2024

Acreage: 2,501

County Kalkaska

Management Area: Grayling Ice Contact

Stand Examiner: Thomas Peterson III

Legal Description:

T27N,R5W,Sec. 8-11

Identified Planning Goals:

This compartment falls within the Grayling Ice Contact Management Area. Large, ice-contact ridges covers the majority of this compartment in the eastern and western sections, and a narrow outwash channel occupies the remainder of this compartment. The east half of the compartment consists mainly of northern hardwoods which were thinned in 2005 and 2006. Several areas of the hardwoods have had sugar maple die-off and need to be treated immediately with a salvage sale. The rest of the hardwoods have a heavy component of raspberry in the understory. The hardwood is of good quality and needs to be maintained along with the oak component.

Historically the western portion of the compartment was covered in mixed forests of red and white pine with beech/hemlock occupying a third of the area also. Today the area supports a mix of hardwoods, oak, natural and planted pine, aspen and openings. The red pine plantations will be thinned a second time along with a first thinning of a natural red and white pine stands. The white pine stand (stand 38) will have the aspen component taken out to allow the white pine to be maintained in the area.

A narrow outwash channel occupies the remainder of the compartment which consists of aspen/birch stands with pothole lakes and wetlands dotting the landscape. The aspen/birch component needs to be maintained in this area of the compartment along with the pine component next to the pothole lakes.

Soil and topography:

The Eastern 2/3 of the compartment consists of Kalkaska-Leelanau-Emmet Sand and the Western 1/3 consists of Rubicon-Grayling-Croswell Sand. Topography is flat to gently rolling.

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

This compartment is located in the northeast part of Kalkaska County, north of Bear Lake and east of Manistee Lake. Bear Lake Road borders the compartment on the west side and Blue Lake Road runs north-south through the compartment in section 10. It is mostly block state ownership with some private land located in section 9. The private holdings are all subdivided into mostly 10 acres parcels. With the Blue Bear Snowmobile Trail, Riding/Hiking trail and ATV trails running through the compartment, recreation is very popular within the compartment.

Unique Natural Features:

Eastern massasauga

Archeological, Historical, and Cultural Features:

None Listed at this time

Special Management Designations or Considerations:

Grayling Ice Contact Management Area

Watershed and Fisheries Considerations:

No Water in Compartment

Wildlife Habitat Considerations:

Nearly this entire compartment lies on a large complex of ice contact ridges, which, historically supported northern hardwood, beech, and hemlock forests. This area currently supports a mix of hardwoods, pine plantations, natural pine stands, aspen, and kettle depression openings and wetlands. Future management of pine stands should consider incorporating small (2-5 acre) islands that are left relatively un-thinned within mature stands to provide winter roosting cover for turkeys. Deciduous species should be encouraged within conifer plantations for diversity, especially mast producing species. Species benefiting from the continued presence of mixed pine forests include brown creepers, evening grosbeaks, mourning doves, red crossbills, and red squirrels. The mixed forests also serve as cover for deer. Openings and upland brush communities are mainly situated in kettle depressions and ravines and are the results of frost pockets

and cold air drainages. Several of these openings have been scheduled for selective felling of woody encroachment to help perpetuate the type. Areas of early successional communities most likely were found here due to the history of occasional fires among the ice contact ridges. Timber prescriptions that will result in such early successional pockets should incorporate leave trees, snags, and downed logs to mimic structure left by a wildfire. These pockets of earlier successional communities will benefit American redstarts, chestnut-sided warblers, ruffed grouse, and deer.

Northern hardwood covers nearly half the compartment, but the coniferous component from these stands has been largely eliminated. This compartment has a significant block of state-owned, contiguous hardwoods and it should be managed to perpetuate the current cover type. A variety of harvest options, from areas of no treatment to various selection cuts to big tree management should be considered to perpetuate a contiguous, diverse block of northern hardwoods. The thinning should also leave snags and coarse woody debris as well as preserve species diversity. To re-establish a conifer component, white pine or hemlock could be planted in the tops of trees felled for coarse woody debris. Species benefiting from management of this community type include the red-eyed vireo, four-toed salamander, red-bellied woodpecker, gray squirrel, and broad-winged hawk.

Mineral Resource and Development Concerns and/or Restrictions

COMPARTMENT 111 Sections 5 & 8-11, T27N–R5W, Kalkaska County

No active sand/gravel pits occur in the area, but there is good potential for sand and gravel within the compartment. There was past exploration and testing of the Collingwood Formation just west of the compartment. The State Excelsior 1-13 HD1 Collingwood well is still in production (now operated by CORE), but the Collingwood Formation overall has not been proven to be a viable economic play in Michigan, and additional future development in the Collingwood is unlikely under current conditions. An isolated Antrim well was completed just west of the compartment, but it never produced, and the compartment is unlikely to see future Antrim development. There is no known metallic mineral potential in this part of the state. The state does not own all the 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 is good.

Survey Needs:

Survey Needed northwest corner of compartment.

Recreational Facilities and Opportunities:

The Kalkaska Cycle Trail, The Blue Bear Snowmobile Trail and ATV Route, and the Shore-to-Shore Riding-Hiking Trail all run through this compartment.

Fire Protection:

Fire protection for this area is covered out of the Kalkaska Field Office with back up support available from the Grayling Field Office. Access into the area is fair with Bear Lake road running north from M-72 on the west side of section 8 and Blue lake road running north from M-72 through section 10. Seasonal two tracks also run through all 4 sections in this stand making fire suppression access fairly good. Bear Lake Fire Department is roughly two miles south of section 8 located on M-72 so response time for the fire department is relatively quick. Water access for suppression efforts is nearby at Bear Lake and the Bear lake fire department.

Additional Compartment Information:

The following reports from the Inventory are attached:

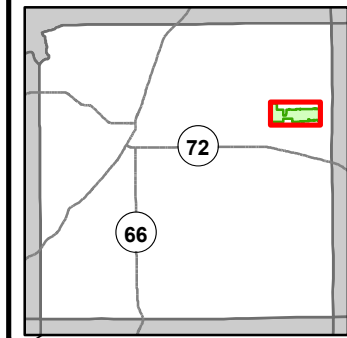
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

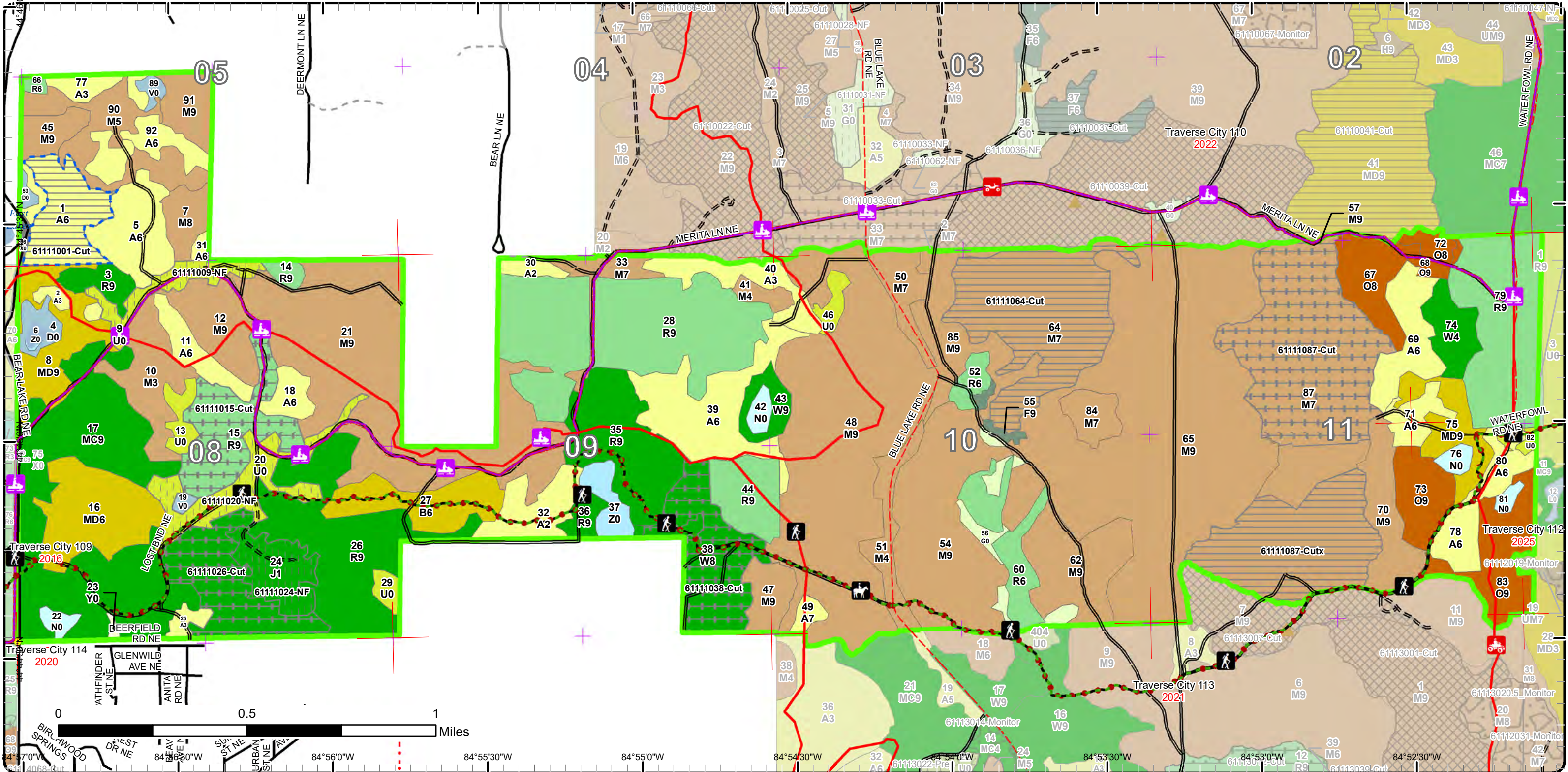
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 111
 T27N - R05W Sec. 8-15
 County: Kalkaska
 Unit: Traverse City
 Mgmt Area: Grayling Ice Contact
 YOE: 2024
 Acres: 2501.2 GIS Calculated
 Examiner: Thomas Peterson III
 Map Revised: 10/17/2022
 Map Phase: Post Review

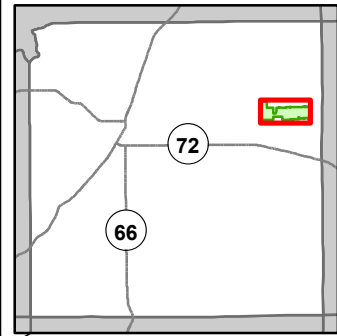


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Hiking Trails
- Horse Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- Designated Equestrian Trails
- Designated ATV Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Berms
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Opening Maintenance
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil

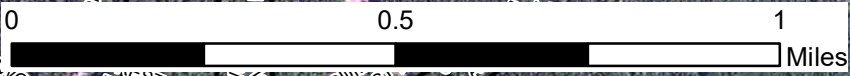
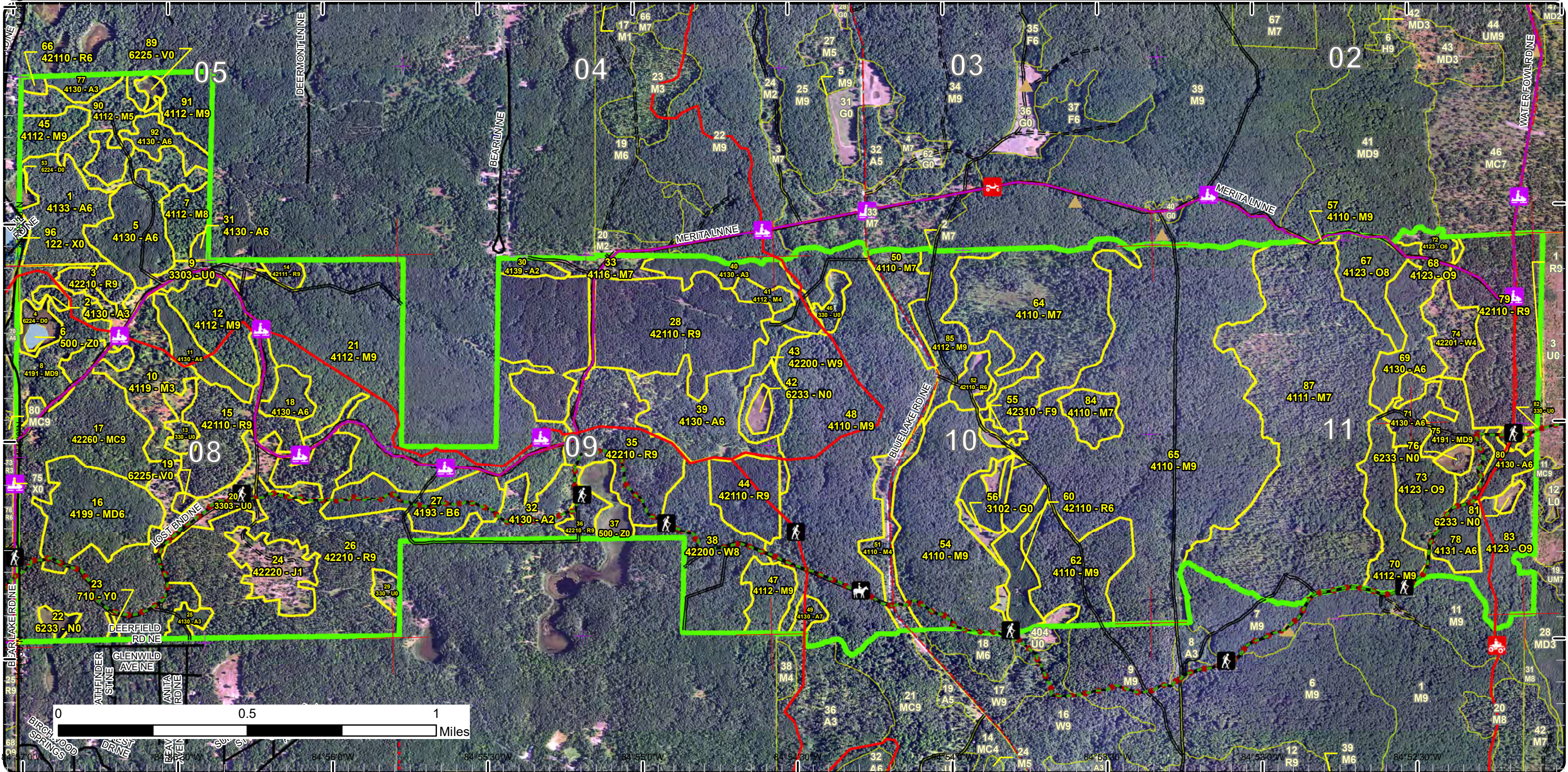


Stand Boundary Map

Compartment: 111
 T27N - R05W Sec. 8-15
 County: Kalkaska
 Unit: Traverse City
 Mgmt Area: Grayling Ice Contact
 YOE: 2024
 Acres: 2501.2 GIS Calculated
 Examiner: Thomas Peterson III
 Map Revised: 10/17/2022
 Map Phase: Post Review



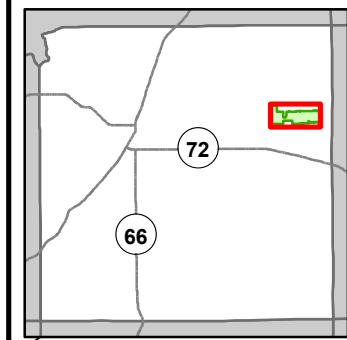
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Hiking Trails
- Horse Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- - - Designated Hiking Trails
- Designated Equestrian Trails
- Designated Multi-Use Trails
- Designated ATV Trails
- - - Designated ORV Route
- Designated Snowmobile Trails
- Berms
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil



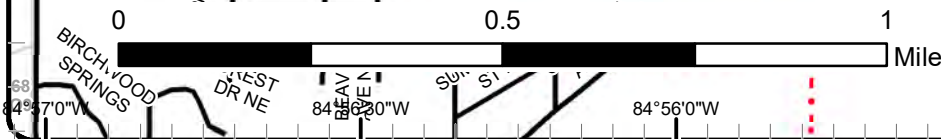
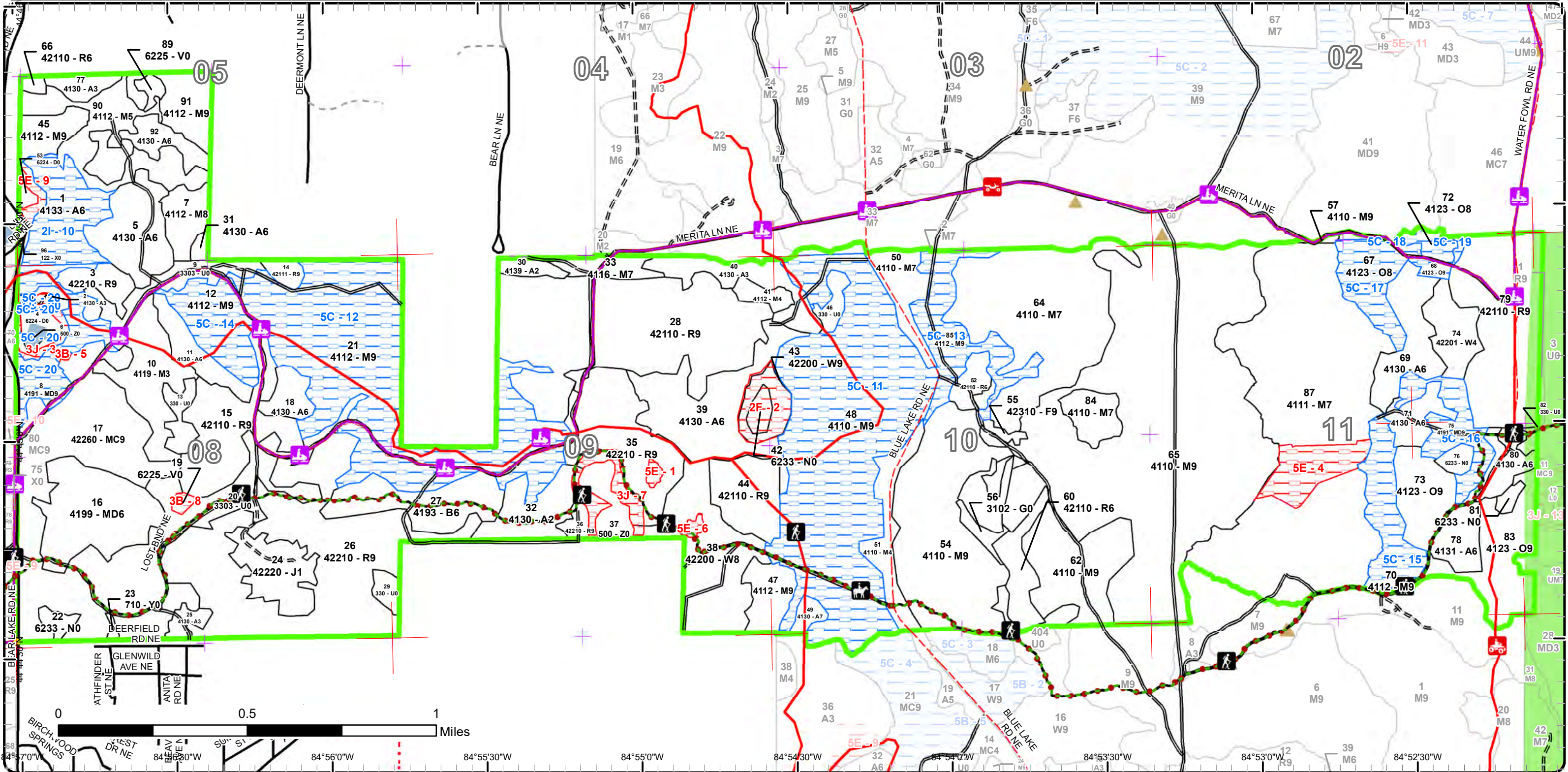
84°56'0"W 84°55'30"W 84°55'0"W 84°54'30"W 84°54'0"W 84°53'30"W 84°53'0"W
 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00

Special Conservation Areas

Compartment: 111
 T27N - R05W Sec. 8-15
 County: Kalkaska
 Unit: Traverse City
 Mgmt Area: Grayling Ice Contact
 YOE: 2024
 Acres: 2501.2 GIS Calculated
 Examiner: Thomas Peterson III
 Map Revised: 10/17/2022
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- 🚶 Hiking Trails
- 🐎 Horse Trails
- 🚲 ORV Trails
- 🚲 ORV Routes
- 🚲 Snowmobile Trails
- Designated Hiking Trails
- Designated Equestrian Trails
- Designated Multi-Use Trails
- Designated ATV Trails
- Designated ORV Route
- Designated Snowmobile Trails
- ▲ Berms
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat



Report 1 – Total Acres by Cover Type and Age Class

Traverse City Mgt. Unit

Compartment 111 Year of Entry 2024

Thomas Peterson III : Examiner



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	13	68	70	79	4	0	0	0	0	0	0	0	0	0	0	33	266
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Herbaceous Openland	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Jack Pine	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Low-Density Trees	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
Marsh	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Mixed Upland Deciduous	0	0	0	0	0	0	42	0	0	50	0	0	0	0	0	0	0	0	92
Natural Mixed Pines	0	0	0	0	0	0	0	0	121	0	0	0	0	0	0	0	0	0	121
Northern Hardwood	0	0	0	0	0	0	0	32	50	296	0	0	0	0	0	0	0	860	1238
Oak	0	0	0	0	0	0	0	0	32	33	0	0	0	0	0	0	0	20	85
Paper Birch	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Red Pine	0	0	0	32	0	0	190	132	104	0	0	0	0	0	0	0	0	0	458
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Treed Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Spruce/Fir	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
White Pine	0	0	0	0	0	0	0	73	0	0	0	0	0	0	0	0	0	0	73
Total	117	0	35	100	99	79	239	237	186	500	0	0	0	0	0	0	0	913	2504



Report 2 – Treatment Summary

Traverse City Mgt. Unit
Year of Entry: 2024

Acres of Harvest

Compartment 111
Total Compartment Acres: 2,501

Commercial Harvest - 386
Harvests with Site Condition - 30
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	30	0	0	0	0	0	0	0	0	30
Northern Hardwood	157	0	0	0	0	103	0	0	0	259
Red Pine	0	0	0	0	0	81	0	0	0	81
White Pine	0	0	0	0	0	46	0	0	0	46
Total	186	0	0	0	0	229	0	0	0	416

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	416	0	0	0	0	0	0	67	0	482
Next Step	0	313	157	0	0	157	389	0	0	1015
Total	416	313	157	0	0	157	389	0	67	1498



S t 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
-----------------------	-------------------	-------	--------------------	-----------------	--------------	-------------	-------------------	---------------------	-------------------------	------------------	----------------

Proposed Treatments:

1	61111001-Cut	29.5	4133 - Aspen, Mixed Pine	Poletimber Well	50	51-80	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Retention is already mapped out to protect stand 53 which is a bog. Protect all oak, pine and maple seedlings during harvest up to 4 inches in DBH. Mark to leave 3-10 trees across stand as a seed source for stand. The leave trees should be either pine or oak. Use oak wilt spec to protect oak seedlings. Snowmobile trail will be used for hauling protect the trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Fully Stocked aspen stand, with any mixture of pine, oak or maple will be accepted.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
9	61111009-NF	15.5	3303 - Mixed Low Density Trees	Nonstocked			NonForestMgt	Brush Cutting	3205 - Mixed Upland Shrub		No
<p><u>Prescription</u> Brush hog (or hand fell) around select leave trees and/or patches . Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
15	61111015-Cut	39.4	42110 - Planted Red Pine	Sawtimber Well	75	81-110	Harvest	Overstory Removal	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Remove overstory. Leave retention around stand 19 to protect it. Protect all advaced regeneration during harvest. Protect snowmobile trail during harvest. There is oak in understory protect oak with oak wilt spec. Mark to leave 3-10 overstory trees throughout stand for a seed source.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of sugar maple, red maple, black cherry, pine or aspen is acceptable. Less than 25% beech or ironwood is ideal.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											



S
t
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
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

20	61111020-NF	29.7	3303 - Mixed Low Density Trees	Nonstocked		Unspecified	NonForestMgt	Brush Cutting	3205 - Mixed Upland Shrub	No
-----------	--------------------	------	--------------------------------	------------	--	-------------	--------------	---------------	---------------------------	----

Prescription Brush hog (or hand fell) around select leave trees and/or patches . Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

24	61111024-NF	21.6	42220 - Natural Jack Pine	Sapling Poor	15	Immature	NonForestMgt	Brush Cutting	3205 - Mixed Upland Shrub	No
-----------	--------------------	------	---------------------------	--------------	----	----------	--------------	---------------	---------------------------	----

Prescription Brush hog (or hand fell) around select leave trees and/or patches . Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

26	61111026-Cut	41.9	42210 - Natural Red Pine	Sawtimber Well	66	81-110	Harvest	Overstory Removal	4131 - Aspen, Oak	Even-Aged	No
-----------	---------------------	------	--------------------------	----------------	----	--------	---------	-------------------	-------------------	-----------	----

Prescription Remove overstory of stand, leave retention in stand. Protect all advanced regeneration. Protect rec trail that runs on western edge of stand.
Specs: Remove overstory. Protect all advanced regeneration during harvest. There is oak in understory protect oak with oak wilt spec. Mark to leave 5-10 overstory trees throughout stand for a seed source.

Next Step
Treatments:

Acceptable Fully Stocked aspen stand, with any mixture of oak, maple, pine or cherry is acceptable.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2023



S
t
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
38 61111038-Cut	45.6	42200 - Natural White Pine	Sawtimber Medium	69	81-110	Harvest	Overstory Removal	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Remove overstory in stand by cutting all trees 6 inches at DBH or greater. Do not cut any white pine greater than 24 inches in DBH during harvest. Leave retention were retention was left during last harvest. Retention is already mapped out in MIFI. Protect as much advanced regeneration as possible.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Fully Stocked Mixed Stand of Aspen, Sugar Maple, Red Maple, and White Pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2023</p>										
64 61111064-Cut	85.5	4110 - Sugar Maple Association	Sawtimber Poor	98	1-50	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut stand with retention. If desirable species seed in with the next 2 years the size of planting area can be reduced to whatever acreage to help keep hardwoods on landscape. Leave retention on edge of stand to help facilitate future planting and spraying operation. Chipping spec should be utilized also. Cut all trees down to 1 inch in Diameter.</p> <p><u>Next Step Treatments:</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);</p> <p><u>Acceptable Regen:</u> Fully Stocked Stand of red pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2023</p>										
87 61111087-Cut	102.5	4111 - S.Maple, Hard Mast Association	Sawtimber Poor	98	51-80	Harvest	Overstory Removal	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Overstory removal with retention. Retention already mapped out. Protect all advanced regeneration. with in treatment area. Snowmobile trail runs on north end of stand, use protection spec. Leave less than 1 tree per acre as a seed source (40-100 trees). Leave trees should be larger seed producing sugar maple, cherry, or pine.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Any mix of sugar maple, red maple, cherry, birch, or pine, stand should be no more than 25% beech or ironwood.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2023</p>										



S
t
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
87 61111087-Cutx	71.2	4111 - S.Maple, Hard Mast Association	Sawtimber Poor	98	51-80	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut stand with retention. Retention already mapped out. If desirable species seed in with the next 2 years the size of planting area can be reduced to whatever acreage to help keep hardwoods on landscape. Leave retention on edge of stand to help facilitate future planting and spraying operation. Chipping spec should be utilized also. Cut all trees down to 1 inch in Diameter.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Site Prep; Monitoring, Artificial Regen(1yr);</p> <p><u>Treatments:</u> Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable</u> Fully stocked stand of red pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2023</p>										

Total Treatment 482.4
Acreage Proposed:

Report 4 – Site Conditions

Traverse City Mgt. Unit
Thomas Peterson III : Examiner

Compartment: 111
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		2I	5C	2F	3B	3J	5E
266	232	29	5	Aspen	29		1		2	3
4	3	0	2	Bog				2		
12	12	0	0	Herbaceous Openland						
22	22	0	0	Jack Pine						
64	64	0	0	Low-Density Trees						
13	9	0	4	Marsh			4			
92	42	46	4	Mixed Upland Deciduous		46		0	4	
121	121	0	0	Natural Mixed Pines						
1238	813	407	18	Northern Hardwood	0	407	0			18
85	54	31	0	Oak		31				
29	29	0	0	Paper Birch						
457	447	0	10	Red Pine					9	1
1	1	0	0	Sand, Soil						
8	8	0	0	Treed Bog					0	
3	3	0	0	Upland Spruce/Fir						
2	2	0	0	Urban						
12	12	0	0	Water						
73	62	0	11	White Pine			9		1	2
2,502	1,934	514	55	Total Forested Acres	29	484	14	2	15	24
	77%	21%	2%	Relative Percent						

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	2	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Traverse City Mgt. Unit
 Thomas Peterson III : Examiner

Compartment: 111
 Year of Entry: 2024

2	Unavailable	2F: Too steep	14	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3B: Threatened, endangered, and special concern species	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Traverse City Mgt. Unit
Thomas Peterson III : Examiner

Compartment: 111
Year of Entry: 2024

8	Unavailable	3B: Threatened, endangered, and special concern species	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	2I: Survey needed	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	176	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold Stand for 10 years or till department finds away to regenerate hardwoods.							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	147	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold for 10 years or till department establishes way to regenerate desirable hardwoods species.							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold for 10 years or till department establishes way to regenerate desirable hardwoods species.							

Report 4 – Site Conditions

Traverse City Mgt. Unit
Thomas Peterson III : Examiner

Compartment: 111
Year of Entry: 2024

14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold for 10 years or till department establishes way to regenerate desirable hardwoods species.							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold for 10 years or till department establishes way to regenerate desirable hardwoods species.							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Traverse City Mgt. Unit
Thomas Peterson III : Examiner

Compartment: 111
Year of Entry: 2024

19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
----------	--------------	-------------	----------------	-------

Comments



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.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
1	4133 - Aspen, Mixed Pine	Poletimber Well	32.5	50	51-80	N/A	2022 - Stand has some rolling terrain. Mostly bigtooth aspen mixed with log size white and red pine. North end has more quaking aspen.																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>60</td> <td>Pole/Log</td> <td>8</td> <td>50</td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	60	Pole/Log	8	50	Red Pine	10	Log/Pole	12		Red Oak	5	Log	14		White Pine	20	Log/Pole	10		Red Maple	5	Pole/Log	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Sapling	White Pine	Low	Variable	Sapling	Red Oak	Low	Variable	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																																
Bigtooth Aspen	60	Pole/Log	8	50																																																
Red Pine	10	Log/Pole	12																																																	
Red Oak	5	Log	14																																																	
White Pine	20	Log/Pole	10																																																	
Red Maple	5	Pole/Log	8																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																	
Red Maple	Low	Variable	Sapling																																																	
White Pine	Low	Variable	Sapling																																																	
Red Oak	Low	Variable	Sapling																																																	
2	4130 - Aspen	Sapling Well	3.7	26	Immature	N/A	2022 - Stand is on a hill side transition to the adjacent bog 1995 - Stand was clearcut. Muskrat Aspen - 61-005-95																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>10</td> <td>Pole/Sap/Log</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>65</td> <td>Sapling/Pole</td> <td>3</td> <td>26</td> </tr> <tr> <td>Red Oak</td> <td>15</td> <td>Sapling/Pole/Log</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	10	Pole/Sap/Log	6		Red Maple	10	Sapling	3		Bigtooth Aspen	65	Sapling/Pole	3	26	Red Oak	15	Sapling/Pole/Log	4																											
Canopy Species	% Cover	Size Class	DBH	Age																																																
White Pine	10	Pole/Sap/Log	6																																																	
Red Maple	10	Sapling	3																																																	
Bigtooth Aspen	65	Sapling/Pole	3	26																																																
Red Oak	15	Sapling/Pole/Log	4																																																	
3	42210 - Natural Red Pine	Sawtimber Well	9.1	69	141-170	N/A	2022 - Stand if a mixture of red pine and white pine with some mixed deciduous at this time. Understory of hardwoods is starting to get established at this time. 2004 - Stand was thinned Sale # 61-023-04.																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>4</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>6</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>30</td> <td>Log/Pole/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>60</td> <td>Log/Pole/XLog</td> <td>14</td> <td>69</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	4	Log/Pole	12		Red Maple	6	Log/Pole	12		White Pine	30	Log/Pole/XLog	14		Red Pine	60	Log/Pole/XLog	14	69	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Sapling	Red Oak	Low	Variable	Sapling	White Oak	Low	Variable	Sapling	Beech	Medium	Variable	Sapling	White Pine	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																
Bigtooth Aspen	4	Log/Pole	12																																																	
Red Maple	6	Log/Pole	12																																																	
White Pine	30	Log/Pole/XLog	14																																																	
Red Pine	60	Log/Pole/XLog	14	69																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																	
Red Maple	Low	Variable	Sapling																																																	
Red Oak	Low	Variable	Sapling																																																	
White Oak	Low	Variable	Sapling																																																	
Beech	Medium	Variable	Sapling																																																	
White Pine	Low	Variable	Sapling																																																	
4	6224 - Treed Bog	Nonstocked	6.0			No	few trees present																																													
5	4130 - Aspen	Poletimber Well	34.5	43	51-80	N/A	2022 - Fully Stocked pole size aspen stand.																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Pole</td> <td>8</td> <td>43</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	5	Log/Pole	12		Red Maple	15	Pole	8		Bigtooth Aspen	80	Pole	8	43	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	Variable	Sapling	Red Maple	Medium	Variable	Sapling	Beech	Low	Variable	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																																
White Pine	5	Log/Pole	12																																																	
Red Maple	15	Pole	8																																																	
Bigtooth Aspen	80	Pole	8	43																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																	
Black Cherry	Low	Variable	Sapling																																																	
Red Maple	Medium	Variable	Sapling																																																	
Beech	Low	Variable	Sapling																																																	
6	500 - Water	Nonstocked	1.7			No	2021 - Water																																													
7	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	11.9	82	51-80	N/A	2022 - Stand has very little to no desirable species in understory at this time. 2014 - Stand was Shelterwood Cut "Where the trucking road" Sale # 61-001-13																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>60</td> <td>Log/Pole</td> <td>10</td> <td>82</td> </tr> <tr> <td>Beech</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Basswood</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>20</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	60	Log/Pole	10	82	Beech	5	Log/Pole	10		Black Cherry	10	Pole/Log	8		Basswood	5	Log/Pole	12		Sugar Maple	20	Pole/Log	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	Trace	Variable	Sapling	Black Cherry	Medium	Variable	Sapling	Beech	High	Variable	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																																
Red Maple	60	Log/Pole	10	82																																																
Beech	5	Log/Pole	10																																																	
Black Cherry	10	Pole/Log	8																																																	
Basswood	5	Log/Pole	12																																																	
Sugar Maple	20	Pole/Log	8																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																	
Bigtooth Aspen	Trace	Variable	Sapling																																																	
Black Cherry	Medium	Variable	Sapling																																																	
Beech	High	Variable	Sapling																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

8	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	29.7	81	81-110	N/A	Classic oak pine mix stand with white pine understory. There is an old grade that runs through the southern portion of the stand adjacent to stand 4.
----------	--	----------------	------	----	--------	-----	---

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	20	Log/Pole/XLog	11		Oak (spp.)	Medium	Variable	Sapling
White Pine	5	Pole/Sapling	6		White Pine	High	Variable	Sapling
Red Oak	45	Log/Pole/XLog	12	81				
Red Maple	20	Pole/Log	8					
Bigtooth Aspen	10	Log/Pole	10					

9	3303 - Mixed Low Density Trees	Nonstocked	15.5			Managed Opening	2022 - Stand has some Scattered Black Cherry. Starting to seed in on the edges with other hardwood species.
----------	--------------------------------	------------	------	--	--	-----------------	---

10	4119 - Mixed Northern Hardwoods	Sapling Well	28.7	8	Immature	N/A	2021 - Stand was a seed tree lots of sugar maple regen present and released to grow sugar maple log sized trees scattered around stand MIFI wont let me code them 2014 - Stand was Shelterwood Cut "Where the trucking road" Sale # 61-001-13
-----------	---------------------------------	--------------	------	---	----------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	35	Sapling	1	8
Red Maple	25	Sapling	1	8
Red Oak	5	Log/Pole	10	
Bigtooth Aspen	10	Sapling	2	
Black Cherry	10	Sapling	1	
White Pine	10	Pole/Sap/Log	8	
Beech	5	Sapling	1	1

11	4130 - Aspen	Poletimber Well	12.6	34	1-50	N/A	2022 - Stand has some scattered larger white pine in it at this time. Stand is fully stocked stand of pole size aspen at this time. 1988 - Stand was clearcut - New Stand Sale - Sale # 61-045-87
-----------	--------------	-----------------	------	----	------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Sapling	6		Beech	Low	Variable	Sapling
Black Cherry	10	Pole/Sapling	6		Sugar Maple	Low	Variable	Sapling
Bigtooth Aspen	75	Pole/Sapling	6	34	Red Maple	Low	Variable	Sapling
White Pine	5	Log/Pole	12					

12	4112 - Maple, Beech, Cherry Association	Sawtimber Well	25.5	70	111-140	N/A	2022 - Stand has fully stocked beech understory at this time. Hole stand till department comes out with way to regenerate hardwood species. 2005 - Stand Was Thinned. Red Face - Sale # 61-023-04 1984 - Stand was thinned Burned Trailer Block - Sale # 61-041-83
-----------	---	----------------	------	----	---------	-----	--

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	60	Log/Pole/XLog	14	70	Sugar Maple	Low	Variable	Sapling
Basswood	10	Log/Pole/XLog	14		Bigtooth Aspen	Low	Variable	Sapling
Beech	2	XLog/Log	18		Beech	High	5 - 10 feet	Sapling
Red Oak	5	Log/Pole/XLog	16		Blackberry/Raspberry	Low	< 5 feet	Tall Shrub
Yellow Birch	3	Log/Pole	10		Red Maple	Low	Variable	Sapling
Red Maple	20	Log/Pole/XLog	14					

13	330 - Low-Density Trees	Nonstocked	7.2			No	some white pine and cherry present
-----------	-------------------------	------------	-----	--	--	----	------------------------------------



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
14	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	3.9	59	111-140	N/A	2022 - Stand if full of hardwood regeneration at this time. Remove overstory the next time stand 21 is thinned. 2005 - Stand thinned. Red October - Sale # 61-019-04																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Log/Pole/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>80</td> <td>Log/Pole</td> <td>12</td> <td>59</td> </tr> <tr> <td>Sugar Maple</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	5	Log/Pole	12		Red Maple	10	Log/Pole/XLog	14		Red Pine	80	Log/Pole	12	59	Sugar Maple	5	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	Variable	Sapling	Red Maple	High	Variable	Sapling	Red Oak	Low	Variable	Sapling	Beech	Medium	Variable	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Black Cherry	5	Log/Pole	12																																																											
Red Maple	10	Log/Pole/XLog	14																																																											
Red Pine	80	Log/Pole	12	59																																																										
Sugar Maple	5	Log/Pole	10																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Black Cherry	Low	Variable	Sapling																																																											
Red Maple	High	Variable	Sapling																																																											
Red Oak	Low	Variable	Sapling																																																											
Beech	Medium	Variable	Sapling																																																											
15	42110 - Planted Red Pine	Sawtimber Well	39.4	75	81-110	N/A	2022 - Stand has a few aspen clones in understory. Stand also has pockets of nice oak and maple within understory. There is some beech but stand should be hardwood stand if overstory was removed. 2007 - Stand was Thinned. Blue Bear Pine - Sale # 61-043-05																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>70</td> <td>Log/Pole/XLog</td> <td>14</td> <td>75</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log/Pole/XLog</td> <td>16</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	70	Log/Pole/XLog	14	75	White Pine	20	Log/Pole/XLog	16		Red Oak	10	Log/Pole/XLog	16		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Medium	Variable	Sapling	Sugar Maple	Medium	Variable	Sapling	White Oak	Low	Variable	Sapling	Beech	Low	Variable	Sapling	Red Maple	Medium	Variable	Sapling	Bigtooth Aspen	Low	Variable	Sapling											
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Pine	70	Log/Pole/XLog	14	75																																																										
White Pine	20	Log/Pole/XLog	16																																																											
Red Oak	10	Log/Pole/XLog	16																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Oak	Medium	Variable	Sapling																																																											
Sugar Maple	Medium	Variable	Sapling																																																											
White Oak	Low	Variable	Sapling																																																											
Beech	Low	Variable	Sapling																																																											
Red Maple	Medium	Variable	Sapling																																																											
Bigtooth Aspen	Low	Variable	Sapling																																																											
16	4199 - Other Mixed Upland Deciduous	Poletimber Well	41.6	54	81-110	N/A	2022 - Stand is a nice mixture of oak and aspen at this time. Let stand grow out longer and manage stand for oak. Might lose some aspen, but the red oak seems to be higher quality.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>12</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>39</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>39</td> <td>Pole/Log</td> <td>9</td> <td>54</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log/Pole/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/XLog</td> <td>16</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	12	Pole/Log	9		Red Oak	39	Pole/Log	9		Bigtooth Aspen	39	Pole/Log	9	54	Red Pine	5	Log/Pole/XLog	16		White Pine	5	Log/XLog	16		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Low	Variable	Sapling	Red Maple	Medium	Variable	Sapling	White Oak	Low	Variable	Sapling	White Pine	Medium	Variable	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Maple	12	Pole/Log	9																																																											
Red Oak	39	Pole/Log	9																																																											
Bigtooth Aspen	39	Pole/Log	9	54																																																										
Red Pine	5	Log/Pole/XLog	16																																																											
White Pine	5	Log/XLog	16																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Oak	Low	Variable	Sapling																																																											
Red Maple	Medium	Variable	Sapling																																																											
White Oak	Low	Variable	Sapling																																																											
White Pine	Medium	Variable	Sapling																																																											
17	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	121.0	80	81-110	N/A	2022 - A few scattered aspen clones. There is a lot of pine in understory.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>8</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>15</td> <td>Log/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>White Oak</td> <td>2</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>35</td> <td>Log/Pole/XLog</td> <td>14</td> <td>80</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>White Pine</td> <td>30</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	8	Pole	8		Red Oak	15	Log/XLog	16		White Oak	2	Log/Pole	12		Red Pine	35	Log/Pole/XLog	14	80	Bigtooth Aspen	10	Log/Pole	10		White Pine	30	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Sapling	Red Maple	Low	Variable	Sapling	White Oak	Low	Variable	Sapling	White Pine	High	Variable	Sapling	Red Oak	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Maple	8	Pole	8																																																											
Red Oak	15	Log/XLog	16																																																											
White Oak	2	Log/Pole	12																																																											
Red Pine	35	Log/Pole/XLog	14	80																																																										
Bigtooth Aspen	10	Log/Pole	10																																																											
White Pine	30	Log/Pole	10																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Pine	Low	Variable	Sapling																																																											
Red Maple	Low	Variable	Sapling																																																											
White Oak	Low	Variable	Sapling																																																											
White Pine	High	Variable	Sapling																																																											
Red Oak	Low	Variable	Sapling																																																											
18	4130 - Aspen	Poletimber Well	8.5	26	1-50	N/A	2022 - Stand has transitioned into pole size stand with a few sapling size trees left scattered throughout stand at this time. 1995 - Stand was clearcut. Muskrat Aspen - 61-005-95																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Pole/Sapling</td> <td>6</td> <td>26</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	80	Pole/Sapling	6	26	Red Maple	10	Pole/Sapling	5		Black Cherry	10	Pole/Sapling	6																																										
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Bigtooth Aspen	80	Pole/Sapling	6	26																																																										
Red Maple	10	Pole/Sapling	5																																																											
Black Cherry	10	Pole/Sapling	6																																																											
19	6225 - Bog	Nonstocked	1.6		Unspecified	No	2022 - Stand is a bog with a few black spruce scattered throughout it.																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

20 3303 - Mixed Low Density Trees Nonstocked 29.7 Unspecified No 2022 - Stand has some scattered black cherry and white pine at this time. Edges are starting to seed in as well.

21 4112 - Maple, Beech, Cherry Association Sawtimber Well 147.4 70 111-140 N/A 2022 - Stand averages 135 basal area average at this time. Stand has some Pockets of beech that are dyeing off at this time. Stand has areas of high beech understory in several spots across the stand, a few pockets of sugar maple regeneration as well. Stand has some rolling hills throughout it. 1998 - Stand Thinned. Section 8 Hardwoods - Sale # 61-034-95

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Log/Pole	12	70	Red Maple	Low	Variable	Sapling
Beech	7	Pole/Log	8		Beech	High	Variable	Sapling
Red Maple	40	Log/Pole/XLog	14		Sugar Maple	Low	Variable	Sapling
Red Oak	3	Log/Pole/XLog	16					

22 6233 - Wet Meadow Nonstocked 3.4 Unspecified No 2022 - Stand appears to be wet, tag alder around edges of stand.

23 710 - Sand, Soil Nonstocked 0.9 Immature No 2022 - ORV damage area. Block road coming off of private.

24 42220 - Natural Jack Pine Sapling Poor 21.6 15 Immature N/A 2022 - Stand is a previous non-forested stand that has filled in with jack pine. Let stand continue to fill in.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	60	Sapling	2	15
White Pine	10	Log/Pole	10	
Red Pine	5	Log/Pole	10	
Black Cherry	15	Pole/Sapling	6	
Bigtooth Aspen	10	Sapling	2	

25 4130 - Aspen Sapling Well 4.2 22 Immature N/A 2022 - Fully Stocked sapling size aspen stand 1999 - Stand was clearcut. Target Aspen - 61-112-95

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	2	Log	14		White Pine	Low	< 5 feet	Sapling
Bigtooth Aspen	93	Sapling	2	22	Black Cherry	Low	Variable	Sapling
Red Maple	5	Sapling	2		Oak (spp.)	Low	< 5 feet	Sapling

26 42210 - Natural Red Pine Sawtimber Well 115.7 66 81-110 N/A 2022 - some areas of stand fully stocked understory some areas no understory. Die back pocket Northwest corner of stand. Cut a portion of stand to remove die back area. 2007 - Stand was Thinned. Blue Bear Pine - Sale # 61-043-05

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	10	Log/Pole/XLog	16		White Oak	Low	Variable	Sapling
Red Pine	70	Log/Pole/XLog	16	66	Beech	Low	Variable	Sapling
White Oak	10	Log/Pole/XLog	14		Red Maple	Low	Variable	Sapling
White Pine	10	Log/Pole/XLog	14		White Pine	Medium	Variable	Sapling
					Red Oak	Low	Variable	Sapling
					Red Pine	Low	Variable	Sapling
					Bigtooth Aspen	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
27	4193 - Birch, Aspen	Poletimber Well	29.3	34	51-80	N/A	2021 - Stand is mostly paper birch in east portion of stand and bigtooth aspen in west portion of stand, with mixed oak scattered throughout the entire stand. Stand has super canopy of pine as well. 1987 - Stand was Clearcut - Yellow Jacket Sale - Sale # 61-042-85																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>30</td> <td>Pole/Sapling</td> <td>5</td> <td>34</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Sapling/Pole</td> <td>4</td> <td>34</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log/Pole/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td>34</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	30	Pole/Sapling	5	34	Bigtooth Aspen	30	Sapling/Pole	4	34	Red Pine	5	Log/Pole/XLog	16		White Pine	5	Log/Pole/XLog	16		Red Maple	15	Pole/Sapling	6		Red Oak	15	Pole/Sapling	6	34										
Canopy Species	% Cover	Size Class	DBH	Age																																																
Paper Birch	30	Pole/Sapling	5	34																																																
Bigtooth Aspen	30	Sapling/Pole	4	34																																																
Red Pine	5	Log/Pole/XLog	16																																																	
White Pine	5	Log/Pole/XLog	16																																																	
Red Maple	15	Pole/Sapling	6																																																	
Red Oak	15	Pole/Sapling	6	34																																																
28	42110 - Planted Red Pine	Sawtimber Well	115.6	59	111-140	N/A	2022 - Stand varies in Basal area across it from 90 -130. Stand has Die back pocket in NE corner maybe 1/2 acre in size at this point. Stand is not ready to be thinned. Hold stand till it reaches 180 and then consider thinning the stand again. 2017 - Stand thinned. Merita Pine 61-019-14-01. 2005 - Stand thinned. Red October - Sale # 61-019-041998 - Stand Third Row Thinned. Section 9 Red Pine - Sale # 61-035-95																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>100</td> <td>Log/Pole</td> <td>12</td> <td>59</td> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	100	Log/Pole	12	59	White Oak	Low	Variable	Sapling						Black Cherry	Low	Variable	Sapling						Red Maple	Low	Variable	Sapling						Beech	Medium	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																												
Red Pine	100	Log/Pole	12	59	White Oak	Low	Variable	Sapling																																												
					Black Cherry	Low	Variable	Sapling																																												
					Red Maple	Low	Variable	Sapling																																												
					Beech	Medium	Variable	Sapling																																												
29	330 - Low-Density Trees	Nonstocked	4.0		Immature	Managed Opening	2022 - Black cherry, white pine, aspen and jack pine present in stand at this time. Stand is filling in with seedlings. Stand is a bowl. with steep terrain on all sides																																													
30	4139 - Aspen, Mixed Deciduous	Sapling Medium	4.7	19	Immature	N/A	2022 - Stand has few open spots in it at this time. Stand has some hardwood regeneration in it at this time, but aspen is out competing. 2017 - Stand was poor quality aspen clones and was cut in 2017. The hardwood understory was kind of saved. 'Merita Pine' 61-019-14-01.																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>20</td> <td>Sapling</td> <td>1</td> <td>19</td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>50</td> <td>Sapling</td> <td>1</td> <td>19</td> </tr> <tr> <td>Sugar Maple</td> <td>20</td> <td>Sapling</td> <td>1</td> <td>19</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Sapling	1	19	Black Cherry	10	Sapling	1		Bigtooth Aspen	50	Sapling	1	19	Sugar Maple	20	Sapling	1	19																				
Canopy Species	% Cover	Size Class	DBH	Age																																																
Red Maple	20	Sapling	1	19																																																
Black Cherry	10	Sapling	1																																																	
Bigtooth Aspen	50	Sapling	1	19																																																
Sugar Maple	20	Sapling	1	19																																																
31	4130 - Aspen	Poletimber Well	1.9	28	Immature	N/A	2022 - Stand fully stocked aspen stand, Transitioning between pole and sapling at this time. 1994 - Stand was cut in 1994 'Bear Lk Aspen'																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>90</td> <td>Pole/Sapling</td> <td>5</td> <td>28</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	90	Pole/Sapling	5	28	Red Maple	10	Sapling	3																															
Canopy Species	% Cover	Size Class	DBH	Age																																																
Bigtooth Aspen	90	Pole/Sapling	5	28																																																
Red Maple	10	Sapling	3																																																	
32	4130 - Aspen	Sapling Medium	20.8	26	Immature	N/A	2022 - Stand is sapling size. Stand has some openings and rolling hills. 1995 - Stand Clearcut. Birch Aspen Sale - Sale # 61-06-95																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>3</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>75</td> <td>Sapling</td> <td>2</td> <td>26</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	3	Pole/Log	8		Jack Pine	5	Sapling	3		Red Pine	5	Sapling	3		Red Maple	10	Sapling/Pole	4		Red Oak	2	Sapling	2		Bigtooth Aspen	75	Sapling	2	26										
Canopy Species	% Cover	Size Class	DBH	Age																																																
White Pine	3	Pole/Log	8																																																	
Jack Pine	5	Sapling	3																																																	
Red Pine	5	Sapling	3																																																	
Red Maple	10	Sapling/Pole	4																																																	
Red Oak	2	Sapling	2																																																	
Bigtooth Aspen	75	Sapling	2	26																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
33	4116 - Mixed N. Hardwood - Aspen	Sawtimber Poor	12.2	70	1-50	N/A	2022 - Stand is an old grass opening that is starting to fill in with seedlings from adjacent stands at this time.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>50</td> <td>Log/Pole</td> <td>12</td> <td>70</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>25</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	20	Log/Pole	12		Black Cherry	50	Log/Pole	12	70	Bigtooth Aspen	25	Log/Pole	10		Red Pine	5	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Sapling	Sugar Maple	Low	Variable	Sapling	Red Pine	Low	< 5 feet	Sapling	Black Cherry	Low	Variable	Sapling					
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Maple	20	Log/Pole	12																																																		
Black Cherry	50	Log/Pole	12	70																																																	
Bigtooth Aspen	25	Log/Pole	10																																																		
Red Pine	5	Pole	6																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Red Maple	Low	Variable	Sapling																																																		
Sugar Maple	Low	Variable	Sapling																																																		
Red Pine	Low	< 5 feet	Sapling																																																		
Black Cherry	Low	Variable	Sapling																																																		
35	42210 - Natural Red Pine	Sawtimber Well	47.8	59	51-80	N/A	2022 - Stand is natural red / white pine stand. Stand has some advanced regeneration in it at this time. Let stand continue to fill in. Once Stand has enough regeneration remove top of stand. Stand is more of an R8 to the north and R9 to the south. 2018 - Stand thinned for a second time in 2018 'Merita Pine' 61-019-14-01. 2004 - Stand was thinned Sale number 61-019-04																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>80</td> <td>Log/Pole</td> <td>12</td> <td>59</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	80	Log/Pole	12	59	White Pine	20	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Sapling	Bigtooth Aspen	Medium	Variable	Sapling	White Oak	Low	Variable	Sapling	Red Pine	Low	Variable	Sapling	Red Oak	Low	Variable	Sapling	Red Maple	Low	Variable	Sapling	Beech	Low	Variable	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Pine	80	Log/Pole	12	59																																																	
White Pine	20	Log/Pole	10																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
White Pine	Low	Variable	Sapling																																																		
Bigtooth Aspen	Medium	Variable	Sapling																																																		
White Oak	Low	Variable	Sapling																																																		
Red Pine	Low	Variable	Sapling																																																		
Red Oak	Low	Variable	Sapling																																																		
Red Maple	Low	Variable	Sapling																																																		
Beech	Low	Variable	Sapling																																																		
36	42210 - Natural Red Pine	Sawtimber Well	6.4	69	81-110	N/A	2022 - Stand was thinned 4 years ago. Stand average BA is around 100 at this time. 2018 - Stand was thinned in 2018 'Merita Pine' 61-019-14-01.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>3</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>92</td> <td>Log/Pole/XLog</td> <td>14</td> <td>69</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	3	Pole	8		White Pine	5	Log/Pole/XLog	16		Red Pine	92	Log/Pole/XLog	14	69	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Choke Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	Variable	Sapling	White Pine	Low	Variable	Sapling	Choke Cherry	Low	Variable	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Paper Birch	3	Pole	8																																																		
White Pine	5	Log/Pole/XLog	16																																																		
Red Pine	92	Log/Pole/XLog	14	69																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Beech	Low	Variable	Sapling																																																		
White Pine	Low	Variable	Sapling																																																		
Choke Cherry	Low	Variable	Sapling																																																		
37	500 - Water	Nonstocked	10.1			No	2022 - Tag alder and a few black spruce trees on the edge of stand. Stand has a spring feed river that starts in it.																																														
38	42200 - Natural White Pine	Sawtimber Medium	47.8	69	81-110	N/A	2022 - Stand should have overstory removed. Stand has fully stocked understory at this time. Stand has aspen in understory in southern part of stand, with more of a hardwood component mixed with aspen regen in north part of stand. 2017 - Stand had the aspen and red maple cut out of it in 2017 'West Blue lake Aspen'. 61-076-14-01. Leaving mostly white pine with quite a bit of maple in the understory. More of a red pine stand in the northwest.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>2</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>23</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>75</td> <td>Log/Pole/Sap</td> <td>14</td> <td>69</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	2	Pole	8		Red Pine	23	Log	14		White Pine	75	Log/Pole/Sap	14	69	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	Beech	Medium	Variable	Sapling	Bigtooth Aspen	High	5 - 10 feet	Sapling	Sugar Maple	Low	Variable	Sapling										
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Black Cherry	2	Pole	8																																																		
Red Pine	23	Log	14																																																		
White Pine	75	Log/Pole/Sap	14	69																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Red Maple	Medium	Variable	Sapling																																																		
Beech	Medium	Variable	Sapling																																																		
Bigtooth Aspen	High	5 - 10 feet	Sapling																																																		
Sugar Maple	Low	Variable	Sapling																																																		
39	4130 - Aspen	Poletimber Well	45.1	38	1-50	N/A	2022 - Stand is in transition stage from sapling to pole. Most trees are pole size at this time. Stand has larger scattered white pine across it.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>90</td> <td>Pole/Sapling</td> <td>6</td> <td>38</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	5	Pole/Log	8		Red Maple	5	Pole/Sapling	5		Quaking Aspen	90	Pole/Sapling	6	38																																
Canopy Species	% Cover	Size Class	DBH	Age																																																	
White Pine	5	Pole/Log	8																																																		
Red Maple	5	Pole/Sapling	5																																																		
Quaking Aspen	90	Pole/Sapling	6	38																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
40	4130 - Aspen	Sapling Well	19.2	26	Immature	N/A	2022 - Stand is starting to transition into pole stand. Stand will be a pole stand next YO1995 - Stand Clearcut. Colors Aspen - Sale # 61-004-95																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>85</td> <td>Sapling/Pole</td> <td>4</td> <td>26</td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	85	Sapling/Pole	4	26	Black Cherry	5	Sapling	3		Red Maple	10	Sapling	3																																					
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Bigtooth Aspen	85	Sapling/Pole	4	26																																																					
Black Cherry	5	Sapling	3																																																						
Red Maple	10	Sapling	3																																																						
41	4112 - Maple, Beech, Cherry Association	Poletimber Poor	5.2	70	1-50	N/A	2022 - Stand was seed tree cut 5 years ago. Stand has regeneration at this time due to deer browse. Stand is filling in with blackberry and raspberry brush. 2017 - Stand was cut in 2017 'Merita Pine' 61-019-14-01. Marked some trees to leave for seed and shelter. BA is variable.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Pole/Log</td> <td>8</td> <td>70</td> </tr> <tr> <td>Beech</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>70</td> <td>Pole</td> <td>8</td> <td>70</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	5	Pole/Log	8		Red Maple	20	Pole/Log	8	70	Beech	5	Log/Pole	10		Sugar Maple	70	Pole	8	70	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Blackberry/Raspberry</td> <td>High</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Blackberry/Raspberry	High	< 5 feet	Tall Shrub																					
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Black Cherry	5	Pole/Log	8																																																						
Red Maple	20	Pole/Log	8	70																																																					
Beech	5	Log/Pole	10																																																						
Sugar Maple	70	Pole	8	70																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Blackberry/Raspberry	High	< 5 feet	Tall Shrub																																																						
42	6233 - Wet Meadow	Nonstocked	3.9			No	2022 - A few scattered Trees in stand.																																																		
43	42200 - Natural White Pine	Sawtimber Well	9.1	69	111-140	N/A	2022 - Stand is very steep. Stand drops down into wetland.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>2</td> <td>XLog/Log</td> <td>20</td> <td></td> </tr> <tr> <td>White Pine</td> <td>83</td> <td>Log/Pole/XLog</td> <td>16</td> <td>69</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	2	XLog/Log	20		White Pine	83	Log/Pole/XLog	16	69	Red Maple	5	Pole	8		Tamarack	10	Log/Pole	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black Spruce</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tag Alder	Low	5 - 10 feet	Tall Shrub	Black Spruce	High	Variable	Sapling																	
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Pine	2	XLog/Log	20																																																						
White Pine	83	Log/Pole/XLog	16	69																																																					
Red Maple	5	Pole	8																																																						
Tamarack	10	Log/Pole	12																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Tag Alder	Low	5 - 10 feet	Tall Shrub																																																						
Black Spruce	High	Variable	Sapling																																																						
44	42110 - Planted Red Pine	Sawtimber Well	22.3	59	111-140	N/A	2021 - Stand has an average of 152.5 basal area at this time. Stand has wet land area in middle of stand, use retention to protect this in the future. Understory is full of hardwood species at this time. Understory does has some beech but also has a lot of sugar maple and oak. This stand should be converted to hardwood in the future. 2005 - Stand thinned. Red October - Sale # 61-019-04 1998 - Stand Third Row Thinned. Section 9 Red Pine - Sale # 61-035-95																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>90</td> <td>Log/Pole</td> <td>12</td> <td>59</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	10	Log/Pole	10		Red Pine	90	Log/Pole	12	59	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	Variable	Sapling	Red Oak	Low	Variable	Sapling	Red Maple	Low	Variable	Sapling	White Oak	Low	Variable	Sapling	Beech	Medium	Variable	Sapling															
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Bigtooth Aspen	10	Log/Pole	10																																																						
Red Pine	90	Log/Pole	12	59																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Sugar Maple	Medium	Variable	Sapling																																																						
Red Oak	Low	Variable	Sapling																																																						
Red Maple	Low	Variable	Sapling																																																						
White Oak	Low	Variable	Sapling																																																						
Beech	Medium	Variable	Sapling																																																						
45	4112 - Maple, Beech, Cherry Association	Sawtimber Well	10.7	87	81-110	N/A	2022 - Stand does have some sugar maple regeneration it it at this time. Stand does not have much for undesirable species. Hold stand let regeneration get more established consider removing overstory at some point in future. 2012 - - Regenerating pretty well after thinking, a good mix of maple and cherry in the understory. overstory timber isn't that great of quality. 2005 - Stand was thinned in 2005 'Playground Mix' 61-058-02-01.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>30</td> <td>Log/Pole</td> <td>12</td> <td>87</td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Beech</td> <td>5</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Basswood</td> <td>20</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>35</td> <td>Log/Pole</td> <td>10</td> <td>87</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	30	Log/Pole	12	87	Black Cherry	10	Log/Pole	10		Beech	5	Log	16		Basswood	20	Log	14		Red Maple	35	Log/Pole	10	87	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	Variable	Sapling	Red Maple	Low	Variable	Sapling	Ironwood	Low	5 - 10 feet	Sapling	Sugar Maple	Medium	10 - 20 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Sugar Maple	30	Log/Pole	12	87																																																					
Black Cherry	10	Log/Pole	10																																																						
Beech	5	Log	16																																																						
Basswood	20	Log	14																																																						
Red Maple	35	Log/Pole	10	87																																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Black Cherry	Low	Variable	Sapling																																																						
Red Maple	Low	Variable	Sapling																																																						
Ironwood	Low	5 - 10 feet	Sapling																																																						
Sugar Maple	Medium	10 - 20 feet	Sapling																																																						
46	330 - Low-Density Trees	Nonstocked	5.2			No	2022 - Stand has scattered black cherry trees and is starting to fill in with other hardwood species. Stand has a giant bowl in north side of stand.																																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
47	4112 - Maple, Beech, Cherry Association	Sawtimber Well	13.1	92	81-110	N/A	2021 - Stand has an average basal area of 83 at this time. Stand was thinned 5 years ago. Stand has beech and blackberry / Raspberry in it understory. 2017 - Stand was thinned in 2017 'West Blue Lake Aspen' 61-076-14-01. Most of the beech and aspen were removed. The rest thinned down to 80-90.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>16</td> <td>Log/Pole/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Basswood</td> <td>9</td> <td>XLog/Log</td> <td>18</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>65</td> <td>Log/Pole</td> <td>12</td> <td>92</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	16	Log/Pole/XLog	14		Basswood	9	XLog/Log	18		White Pine	5	Log/Pole	12		Red Pine	5	Log/Pole	12		Sugar Maple	65	Log/Pole	12	92	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Blackberry/Raspberry</td> <td>High</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	Variable	Sapling	Blackberry/Raspberry	High	< 5 feet	Tall Shrub	Beech	Medium	Variable	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Maple	16	Log/Pole/XLog	14																																																		
Basswood	9	XLog/Log	18																																																		
White Pine	5	Log/Pole	12																																																		
Red Pine	5	Log/Pole	12																																																		
Sugar Maple	65	Log/Pole	12	92																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Red Maple	Low	Variable	Sapling																																																		
Blackberry/Raspberry	High	< 5 feet	Tall Shrub																																																		
Beech	Medium	Variable	Sapling																																																		
48	4110 - Sugar Maple Association	Sawtimber Well	178.5	70	111-140	N/A	2022 - Stand averages a basal area of 129 at this time. Stand has rolling hills throughout it. Stand has a high quality vain of hardwoods that runs through the middle of stand with poor quality hardwood on edges of stand. Stand areas of fully stocked undesirable regeneration in it at this time. 1998 - Stand Thinned. Red Bird Hardwoods 61-026-95																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log/Pole/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>75</td> <td>Log/Pole</td> <td>12</td> <td>70</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Basswood</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	5	Log/Pole/XLog	14		Sugar Maple	75	Log/Pole	12	70	Red Maple	5	Log/XLog	16		Black Cherry	10	Log	14		Basswood	5	Log/Pole	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	Variable	Sapling	Beech	Medium	Variable	Sapling	Ironwood	Medium	5 - 10 feet	Sapling	Black Cherry	Low	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Bigtooth Aspen	5	Log/Pole/XLog	14																																																		
Sugar Maple	75	Log/Pole	12	70																																																	
Red Maple	5	Log/XLog	16																																																		
Black Cherry	10	Log	14																																																		
Basswood	5	Log/Pole	12																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Sugar Maple	Low	Variable	Sapling																																																		
Beech	Medium	Variable	Sapling																																																		
Ironwood	Medium	5 - 10 feet	Sapling																																																		
Black Cherry	Low	5 - 10 feet	Sapling																																																		
49	4130 - Aspen	Sawtimber Poor	3.8	50	1-50	N/A	2022 - Stand has several opening within it. Stand should be clearcut when adjacent hardwood stand are thinned to expand aspen clone.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>15</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Ironwood</td> <td>3</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>70</td> <td>Log/Pole</td> <td>10</td> <td>50</td> </tr> <tr> <td>Sugar Maple</td> <td>12</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	15	Log/Pole	12		Ironwood	3	Pole	8		Bigtooth Aspen	70	Log/Pole	10	50	Sugar Maple	12	Log/Pole	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Ironwood</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Ironwood	Low	Variable	Sapling	Beech	Low	Variable	Sapling	Red Maple	High	Variable	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Black Cherry	15	Log/Pole	12																																																		
Ironwood	3	Pole	8																																																		
Bigtooth Aspen	70	Log/Pole	10	50																																																	
Sugar Maple	12	Log/Pole	12																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Ironwood	Low	Variable	Sapling																																																		
Beech	Low	Variable	Sapling																																																		
Red Maple	High	Variable	Sapling																																																		
50	4110 - Sugar Maple Association	Sawtimber Poor	15.0	71	1-50	N/A	2022 - Stand appears to be an old opening with sugar maple seeding in at this time. Let cherry die off and stand become hardwood stand in next 10-20 years.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>70</td> <td>Log/Pole</td> <td>12</td> <td>71</td> </tr> <tr> <td>Red Oak</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry	70	Log/Pole	12	71	Red Oak	5	Log/Pole	10		Red Maple	15	Log/Pole	10		Sugar Maple	10	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Choke Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	Variable	Sapling	Red Maple	Low	Variable	Sapling	Choke Cherry	Low	Variable	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Black Cherry	70	Log/Pole	12	71																																																	
Red Oak	5	Log/Pole	10																																																		
Red Maple	15	Log/Pole	10																																																		
Sugar Maple	10	Log/Pole	10																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Sugar Maple	Low	Variable	Sapling																																																		
Red Maple	Low	Variable	Sapling																																																		
Choke Cherry	Low	Variable	Sapling																																																		
51	4110 - Sugar Maple Association	Poletimber Poor	17.8	71	1-50	N/A	2022 - Stand is filling with hardwood species. Stand has some aspen clones at this time. These clones could be harvested with adjacent stand to help expand them. 2012 - Small clones of old aspen scattered around stand - .1 to .4 acres. Could cut those clones. Rest of stand has scattered black and choke cherry - an old U type.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Sapling</td> <td>1</td> <td>6</td> </tr> <tr> <td>Black Cherry</td> <td>80</td> <td>Pole/Sapling</td> <td>8</td> <td>71</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	20	Sapling	1	6	Black Cherry	80	Pole/Sapling	8	71	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Choke Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Choke Cherry	Low	Variable	Sapling																											
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Bigtooth Aspen	20	Sapling	1	6																																																	
Black Cherry	80	Pole/Sapling	8	71																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Choke Cherry	Low	Variable	Sapling																																																		
52	42110 - Planted Red Pine	Poletimber Well	6.8	25	51-80	N/A																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>100</td> <td>Pole/Sapling</td> <td>6</td> <td>25</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100	Pole/Sapling	6	25																																										
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Red Pine	100	Pole/Sapling	6	25																																																	
53	6224 - Treed Bog	Nonstocked	1.9		Unspecified	No	2022 - Stand is a bog a some scattered trees across it.																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
54	4110 - Sugar Maple Association	Sawtimber Well	80.8	70	51-80	N/A	2022 - Stand current basal area is around 73. Stand has a large amount of raspberry brush with some black berry brush at this time. Stand has some beech sapling at this time that are established in understory and a few sugar maple saplings. Let stand grow till it hits a basal area of 120 again and then consider thinning stand again at that time. 2018 - Stand was thinned. Blue Lake Hardwoods - Sale Number 61-072-14 2009 - Sale was set up and sold, sale never was harvested, turned back to state. Blue Lake Hardwoods 61-073-05																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>4</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Beech</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>11</td> <td>XLog/Log</td> <td>18</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>80</td> <td>Log/Pole</td> <td>12</td> <td>70</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Black Cherry	4	Log/Pole	12		Beech	5	Log/Pole	12		Red Maple	11	XLog/Log	18		Sugar Maple	80	Log/Pole	12	70	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	Variable	Sapling	Beech	Low	5 - 10 feet	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Black Cherry	4	Log/Pole	12																																																			
Beech	5	Log/Pole	12																																																			
Red Maple	11	XLog/Log	18																																																			
Sugar Maple	80	Log/Pole	12	70																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Sugar Maple	Low	Variable	Sapling																																																			
Beech	Low	5 - 10 feet	Sapling																																																			
55	42310 - Planted Spruce	Sawtimber Well	3.2	59	111-140	N/A	2022 - Planted spruce. Hold and cut with adjacent red pine when it is ready to be harvested.																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>2</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>88</td> <td>Log/Pole</td> <td>12</td> <td>59</td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Paper Birch	2	Pole/Log	8		White Spruce	88	Log/Pole	12	59	Black Cherry	10	Log/Pole	12																																	
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Paper Birch	2	Pole/Log	8																																																			
White Spruce	88	Log/Pole	12	59																																																		
Black Cherry	10	Log/Pole	12																																																			
56	3102 - Grass	Nonstocked	11.6			Managed Opening	2021- Grass Opening with some trees seeding into stands.																																															
57	4110 - Sugar Maple Association	Sawtimber Well	0.9	80	81-110	N/A	2022 - Stand is currently sitting at an average basal area of 105.2. Stand has zero understory in spots. Stand has a few spots of full undesirable understory but it is very limited. Stand has some rolling hills throughout it. Hold stand till it has a basal area greater than 120. At this time hopefully more direction is given on how to properly regenerate hardwoods. 2011 - Stand Was Thinned. Camp 11 Hardwoods - Sale #61-17-051986 - South Part of stand was thinned Spring Lizard Sale - Sale # 61-041-841986 - North Part of Stand was Thinned Blue Sale Sale # 61-50=84																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Basswood</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>80</td> <td>Log/Pole/XLog</td> <td>14</td> <td>80</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Beech</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>5</td> <td>Log/Pole/XLog</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Basswood	5	Log/Pole	12		Sugar Maple	80	Log/Pole/XLog	14	80	Red Maple	5	Log/Pole	12		Beech	5	Log/Pole	12		Black Cherry	5	Log/Pole/XLog	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	Variable	Sapling	Black Cherry	Low	Variable	Sapling	Sugar Maple	Low	Variable	Sapling	Ironwood	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Basswood	5	Log/Pole	12																																																			
Sugar Maple	80	Log/Pole/XLog	14	80																																																		
Red Maple	5	Log/Pole	12																																																			
Beech	5	Log/Pole	12																																																			
Black Cherry	5	Log/Pole/XLog	12																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Beech	Low	Variable	Sapling																																																			
Black Cherry	Low	Variable	Sapling																																																			
Sugar Maple	Low	Variable	Sapling																																																			
Ironwood	Low	Variable	Sapling																																																			
60	42110 - Planted Red Pine	Poletimber Well	23.2	25	81-110	N/A	2022 - Stand has transitioned into pole size stand. Trees are only 2 stick tall at this time. Consider 3rd row thin in 10 - 20 year once trees put on some height.																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>100</td> <td>Pole/Sapling</td> <td>6</td> <td>25</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	100	Pole/Sapling	6	25																																										
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Red Pine	100	Pole/Sapling	6	25																																																		
62	4110 - Sugar Maple Association	Sawtimber Well	38.1	70	81-110	N/A	2022 - Stand has an average basal area of 92.5 at this time. Stand has a decent amount of undesirable species at this time. 2013 - Already part of a sale connected to compt. 113. JCC Hardwoods Sale #068-11. Stand complete on 4/30/13.																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>2</td> <td>XLog/Log</td> <td>20</td> <td></td> </tr> <tr> <td>Basswood</td> <td>15</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>3</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>80</td> <td>Log/Pole</td> <td>12</td> <td>70</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Oak	2	XLog/Log	20		Basswood	15	Log/Pole	12		Black Cherry	3	Pole/Log	8		Sugar Maple	80	Log/Pole	12	70	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	Variable	Sapling	Beech	Medium	Variable	Sapling	Ironwood	Medium	Variable	Sapling	Sugar Maple	Low	Variable	Sapling					
Canopy Species	% Cover	Size Class	DBH	Age																																																		
Red Oak	2	XLog/Log	20																																																			
Basswood	15	Log/Pole	12																																																			
Black Cherry	3	Pole/Log	8																																																			
Sugar Maple	80	Log/Pole	12	70																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																			
Black Cherry	Low	Variable	Sapling																																																			
Beech	Medium	Variable	Sapling																																																			
Ironwood	Medium	Variable	Sapling																																																			
Sugar Maple	Low	Variable	Sapling																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
64	4110 - Sugar Maple Association	Sawtimber Poor	85.9	98	1-50	N/A	2022 - Stand has variable Basal area across it ranging from 0 -100 at this time. Some pockets of hardwood regen, but mostly Blackberry across stand. 2013 - stand had the dead trees harvested. Section 10 Salvage - Sale # 61-064-12. 2011 - Stand Was Thinned. Camp 11 Hardwoods - Sale #61-17-051986 - Stand Was Thinned. Blue Sale - Sale # 61-050-84		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Beech	2	Pole/Log	8		Sugar Maple	Low		Variable	Sapling
Red Oak	3	Log	16		Beech	Low		Variable	Sapling
Sugar Maple	91	Log/Pole/XLog	14	98	Blackberry/Raspberry	Full		Variable	Tall Shrub
Red Maple	2	Log/Pole/XLog	16		Black Cherry	Low		Variable	Sapling
Black Cherry	2	Log/Pole/XLog	14		Red Maple	Low	Variable	Sapling	
65	4110 - Sugar Maple Association	Sawtimber Well	257.9	80	81-110	N/A	2022 - Stand is currently sitting at an average basal area of 105.2. Stand has zero understory in spots. Stand has a few spots of full undesirable understory but it is very limited. Stand has some rolling hills throughout it. Hold stand till is has a basal area greater than 120. At this time hopefully more direction is given on how to properly regenerate hardwoods. 2011 - Stand Was Thinned. Camp 11 Hardwoods - Sale #61-17-051986 - South Part of stand was thinned Spring Lizard Sale - Sale # 61-041-841986 - North Part of Stand was Thinned Blue Sale Sale # 61-50=84		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Basswood	5	Log/Pole	12		Ironwood	Low		Variable	Sapling
Black Cherry	5	Log/Pole/XLog	12		Sugar Maple	Low		Variable	Sapling
Beech	5	Log/Pole	12		Black Cherry	Low		Variable	Sapling
Red Maple	5	Log/Pole	12		Beech	Low		Variable	Sapling
Sugar Maple	80	Log/Pole/XLog	14	80					
66	42110 - Planted Red Pine	Poletimber Well	1.8	21	Immature	N/A	2022 - Red pine stand is pole size at this time. Never has been third row thinned. Allow trees to put on some height consider thinning 10-20 years out.		
Canopy Species	% Cover	Size Class	DBH	Age					
Red Pine	90	Pole	6	21					
Black Cherry	10	Pole	7						
67	4123 - Red Oak	Sawtimber Medium	21.5	85	81-110	N/A	2022 - Stand is an oak stand with a second age understory under it. Understory is way to advanced to go after oak. West side of stand starts the transition into hardwood portion of compartment. 1986 - Stand was cut in 1986, New Oak Sale - Sale # 61-39-85. All oak and white pine were left.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	15	Log/Pole/XLog	14		Beech	Medium		Variable	Sapling
Sugar Maple	10	Log/Pole	10		Bigtooth Aspen	Medium		Variable	Sapling
Bigtooth Aspen	10	Log/Pole	12		Red Maple	High		Variable	Sapling
Red Oak	65	Log/Pole/XLog	16	85	Sugar Maple	Low		Variable	Sapling
68	4123 - Red Oak	Sawtimber Well	5.0	80	81-110	N/A	2022 - Fully stocked stand of oak. Does not appear to have any sort of past logging activity in it. Clearcut stand in future to give oak best chance.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	2	Pole	8		White Pine	Low		Variable	Sapling
Red Oak	65	Log/Pole/XLog	14	80	Beech	Low		Variable	Sapling
Red Maple	30	Pole	8						
White Pine	3	Log/Pole/XLog	14						
69	4130 - Aspen	Poletimber Well	23.8	47	51-80	N/A	2022 - Aspen dominated stand. Stand could hold for 10 more years no decline at this time.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Cherry	3	Pole	6		White Pine	Low		Variable	Sapling
White Pine	10	Pole/Log	8		Red Maple	Low		Variable	Sapling
Bigtooth Aspen	87	Pole/Log	9	47					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
70	4112 - Maple, Beech, Cherry Association	Sawtimber Well	26.5	96	111-140	N/A	2022 - Stand has an average basal area of 117. Stand has some decent spots of sugar maple regeneration in and other parts of stand are heavy to beech 1996 - Thinned in 1996, sale #2-95. Mainly sawlog size red maple trees with a beech understory.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>15</td> <td>Log/Pole/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>42</td> <td>Log/Pole</td> <td>12</td> <td>96</td> </tr> <tr> <td>Red Maple</td> <td>40</td> <td>Log/Pole/XLog</td> <td>14</td> <td>96</td> </tr> <tr> <td>Beech</td> <td>3</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	15	Log/Pole/XLog	16		Sugar Maple	42	Log/Pole	12	96	Red Maple	40	Log/Pole/XLog	14	96	Beech	3	Log/Pole	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Seeding</td> </tr> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Medium	Variable	Seeding	Sugar Maple	Medium	5 - 10 feet	Sapling										
Canopy Species	% Cover	Size Class	DBH	Age																																														
Red Oak	15	Log/Pole/XLog	16																																															
Sugar Maple	42	Log/Pole	12	96																																														
Red Maple	40	Log/Pole/XLog	14	96																																														
Beech	3	Log/Pole	12																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
Beech	Medium	Variable	Seeding																																															
Sugar Maple	Medium	5 - 10 feet	Sapling																																															
71	4130 - Aspen	Poletimber Well	10.3	40	51-80	N/A	2022 - Aspen stand with lowland area in it. Lowland area would be good place for retention when stand is eventually harvested.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>12</td> <td>Log/Pole/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>70</td> <td>Pole/Log</td> <td>8</td> <td>40</td> </tr> <tr> <td>White Pine</td> <td>8</td> <td>Log/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	12	Log/Pole/XLog	14		Bigtooth Aspen	70	Pole/Log	8	40	White Pine	8	Log/XLog	14		Red Maple	10	Pole/Log	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Red Maple	Low	Variable	Sapling										
Canopy Species	% Cover	Size Class	DBH	Age																																														
Red Oak	12	Log/Pole/XLog	14																																															
Bigtooth Aspen	70	Pole/Log	8	40																																														
White Pine	8	Log/XLog	14																																															
Red Maple	10	Pole/Log	8																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
White Pine	Medium	Variable	Sapling																																															
Red Maple	Low	Variable	Sapling																																															
72	4123 - Red Oak	Sawtimber Medium	5.5	80	51-80	N/A	2022 - Regen hit hard by deer browse, pretty open under canopy at this time 2014 - Stand Thinned as a part of G-O Pine Add on. Sale # 61-041-14																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>75</td> <td>Log/Pole</td> <td>12</td> <td>80</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>15</td> <td>Log/Pole/Sap</td> <td>16</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	75	Log/Pole	12	80	White Pine	10	Log/Pole	12		Red Pine	15	Log/Pole/Sap	16		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	Sapling	Bigtooth Aspen	Low	5 - 10 feet	Sapling	White Pine	Low	Variable	Sapling	Red Oak	Low	< 5 feet	Sapling	White Oak	Low	Variable	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																														
Red Oak	75	Log/Pole	12	80																																														
White Pine	10	Log/Pole	12																																															
Red Pine	15	Log/Pole/Sap	16																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
Red Maple	Low	5 - 10 feet	Sapling																																															
Bigtooth Aspen	Low	5 - 10 feet	Sapling																																															
White Pine	Low	Variable	Sapling																																															
Red Oak	Low	< 5 feet	Sapling																																															
White Oak	Low	Variable	Sapling																																															
73	4123 - Red Oak	Sawtimber Well	20.2	96	81-110	N/A	2022 - Stand has some pretty hilly terrain in it. Very little to no oak regen present at this time. 2011 - Originally part of larger stand. Thinned in 1996, sale #2-95. Mainly oak in this area.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>10</td> <td>Log/Pole/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Log/Pole/XLog</td> <td>12</td> <td></td> </tr> <tr> <td>Beech</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>58</td> <td>Log/Pole/XLog</td> <td>16</td> <td>96</td> </tr> <tr> <td>Black Cherry</td> <td>2</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Oak	10	Log/Pole/XLog	14		Red Maple	20	Log/Pole/XLog	12		Beech	5	Log/Pole	10		Red Oak	58	Log/Pole/XLog	16	96	Black Cherry	2	Pole	8		Bigtooth Aspen	5	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	High	Variable	Sapling	Red Maple	Medium	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																														
White Oak	10	Log/Pole/XLog	14																																															
Red Maple	20	Log/Pole/XLog	12																																															
Beech	5	Log/Pole	10																																															
Red Oak	58	Log/Pole/XLog	16	96																																														
Black Cherry	2	Pole	8																																															
Bigtooth Aspen	5	Log/Pole	10																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
Beech	High	Variable	Sapling																																															
Red Maple	Medium	Variable	Sapling																																															
74	42201 - Natural White Pine, Mixed Deciduous	Poletimber Poor	15.5	60	81-110	N/A	2022 - Stand large open kettle hole in middle of stand. Stand has pockets white pine and scattered cherry throughout stand. Stand look like an old opening that is filling in at this time.																																											
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>60</td> <td>Log/Pole</td> <td>12</td> <td>60</td> </tr> <tr> <td>Black Cherry</td> <td>35</td> <td>Pole/Sapling</td> <td>6</td> <td>60</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	60	Log/Pole	12	60	Black Cherry	35	Pole/Sapling	6	60	Bigtooth Aspen	5	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	< 5 feet	Sapling																			
Canopy Species	% Cover	Size Class	DBH	Age																																														
White Pine	60	Log/Pole	12	60																																														
Black Cherry	35	Pole/Sapling	6	60																																														
Bigtooth Aspen	5	Pole	8																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
White Pine	Low	< 5 feet	Sapling																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
75	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	20.5	85	81-110	N/A	2022 - Mixed pine / oak stand, with aspen clone in it.																																																							
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>25</td> <td>XLog/Log</td> <td>18</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>8</td> <td>Log/Pole/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>White Oak</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>7</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>40</td> <td>Log/Pole/XLog</td> <td>16</td> <td>85</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	25	XLog/Log	18		Red Pine	8	Log/Pole/XLog	16		White Oak	10	Log/Pole	12		Bigtooth Aspen	7	Log/Pole	12		Red Maple	10	Pole/Log	8		Red Oak	40	Log/Pole/XLog	16	85	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	High	Variable	Sapling	Bigtooth Aspen	Medium	Variable	Sapling										
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Pine	25	XLog/Log	18																																																											
Red Pine	8	Log/Pole/XLog	16																																																											
White Oak	10	Log/Pole	12																																																											
Bigtooth Aspen	7	Log/Pole	12																																																											
Red Maple	10	Pole/Log	8																																																											
Red Oak	40	Log/Pole/XLog	16	85																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																											
White Pine	High	Variable	Sapling																																																											
Bigtooth Aspen	Medium	Variable	Sapling																																																											
76	6233 - Wet Meadow	Nonstocked	3.7			No	2022 - Appears to be wetland area, hard to tell if there is any water due to snow. There is a small island of timber in the middle of stand.																																																							
77	4130 - Aspen	Sapling Well	8.4	17	Immature	N/A	2022 - Stand is fully stocked aspen sapling stand. 2005 - Stand was harvested in 2005 'Playground Mix'																																																							
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Sapling</td> <td>2</td> <td>17</td> </tr> <tr> <td>Black Cherry</td> <td>20</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	80	Sapling	2	17	Black Cherry	20	Sapling	1																																													
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Bigtooth Aspen	80	Sapling	2	17																																																										
Black Cherry	20	Sapling	1																																																											
78	4131 - Aspen, Oak	Poletimber Well	12.0	34	51-80	N/A	2022 - Stand is turning into pole size stand at this time. Stand is mixed aspen stand with some hilly terrain. 2011 - Cut in 1985, Sale #44-85.																																																							
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>30</td> <td>Pole/Sapling</td> <td>6</td> <td>34</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>40</td> <td>Pole/Sapling</td> <td>6</td> <td>34</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>White Oak</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Pole/Sapling	6		Red Oak	30	Pole/Sapling	6	34	Bigtooth Aspen	40	Pole/Sapling	6	34	White Pine	10	Pole/Log	9		White Oak	10	Pole/Sapling	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	< 5 feet	Sapling																			
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Maple	10	Pole/Sapling	6																																																											
Red Oak	30	Pole/Sapling	6	34																																																										
Bigtooth Aspen	40	Pole/Sapling	6	34																																																										
White Pine	10	Pole/Log	9																																																											
White Oak	10	Pole/Sapling	6																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
White Pine	Medium	< 5 feet	Sapling																																																											
79	42110 - Planted Red Pine	Sawtimber Well	64.6	74	81-110	N/A	2021 - Average Basal area is 152 at this time. Stand has lots of oak in understory at this time. Heavy deer browse on oak currently. Hold Stand till it reaches 180 basal area and thin stand again. Stand good candidate to be converted to oak in future. 2007 - Stand Thinned Return Red Pine - Sale # 61-017-04																																																							
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>3</td> <td>Log/Pole/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>2</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>85</td> <td>Log/Pole/XLog</td> <td>14</td> <td>74</td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log/XLog</td> <td>16</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Oak	3	Log/Pole/XLog	14		Black Cherry	2	Pole	8		Red Pine	85	Log/Pole/XLog	14	74	Red Oak	10	Log/XLog	16		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Oak</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Oak</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Oak	Medium	Variable	Sapling	Bigtooth Aspen	Medium	Variable	Sapling	White Oak	High	Variable	Sapling	Beech	Low	Variable	Sapling												
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Oak	3	Log/Pole/XLog	14																																																											
Black Cherry	2	Pole	8																																																											
Red Pine	85	Log/Pole/XLog	14	74																																																										
Red Oak	10	Log/XLog	16																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Oak	Medium	Variable	Sapling																																																											
Bigtooth Aspen	Medium	Variable	Sapling																																																											
White Oak	High	Variable	Sapling																																																											
Beech	Low	Variable	Sapling																																																											
80	4130 - Aspen	Poletimber Well	10.6	47	81-110	N/A	2022 - Aspen stand with good mix of oak and pine in it. Stand could hold for 10 more years, no decline at this time.																																																							
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Oak</td> <td>2</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>84</td> <td>Pole/Log</td> <td>9</td> <td>47</td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Oak	2	Pole	8		Red Oak	2	Pole/Log	9		Bigtooth Aspen	84	Pole/Log	9	47	White Pine	5	Pole/Log	9		Red Pine	2	Log/Pole	12		Red Maple	5	Pole/Log	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Choke Cherry</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Red Oak	Medium	< 5 feet	Sapling	Red Maple	Medium	< 5 feet	Sapling	Choke Cherry	Medium	< 5 feet	Sapling		
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Oak	2	Pole	8																																																											
Red Oak	2	Pole/Log	9																																																											
Bigtooth Aspen	84	Pole/Log	9	47																																																										
White Pine	5	Pole/Log	9																																																											
Red Pine	2	Log/Pole	12																																																											
Red Maple	5	Pole/Log	9																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
White Pine	Medium	Variable	Sapling																																																											
Red Oak	Medium	< 5 feet	Sapling																																																											
Red Maple	Medium	< 5 feet	Sapling																																																											
Choke Cherry	Medium	< 5 feet	Sapling																																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
-------	--------------------	--------------	-------	-----------	----------	--------------	------------------

81 6233 - Wet Meadow Nonstocked 2.3 No 2022 - Stand appears to be low wetland area. Inventoried in winter not sure if there is water present or not.

82 330 - Low-Density Trees Nonstocked 2.9 Immature Managed Opening 2022 - Stand has some black cherry in it. stand is starting to seed in from existing stands Clearcut with stand 80 to expand aspen clone into stand.

83 4123 - Red Oak Sawtimber Well 32.4 77 81-110 N/A 2022 - White pine in understory could be used and burse crop to help nurse oak along

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Sapling	7		Red Maple	High	Variable	Sapling
Red Oak	60	Log/Pole/XLog	14	77	Beech	Low	Variable	Sapling
White Oak	15	Log/Pole	12		Oak (spp.)	Low	Variable	Sapling
White Pine	8	Log/Pole/XLog	14		White Pine	Medium	Variable	Sapling
Red Pine	2	Log/Pole/XLog	14					
Bigtooth Aspen	5	Pole/Sapling	6					

84 4110 - Sugar Maple Association Sawtimber Poor 11.1 98 51-80 N/A 2022 - Stands average basal area is 67 at this time. stand is full of Raspberry and blackberry. some sugar maple regen in small pockets. Trees seem to be in good shape compared to rest of salvage cut in this area. Hold and thin stand with stand 65 in the future. 2013 - stand had the dead trees harvested. Section 10 Salvage - Sale # 61-064-12. 2011 - Stand Was Thinned. Camp 11 Hardwoods - Sale #61-17-05

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	2	Pole/Log	8		Sugar Maple	Low	Variable	Sapling
Black Cherry	2	Log/Pole/XLog	14		Beech	Medium	Variable	Sapling
Sugar Maple	91	Log/Pole/XLog	14	98	Black Cherry	Low	Variable	Sapling
Red Maple	2	Log/Pole/XLog	16		Blackberry/Raspberry	Full	Variable	Tall Shrub
Red Oak	3	Log	16					

85 4112 - Maple, Beech, Cherry Association Sawtimber Well 32.1 98 111-140 N/A 2022 - Stand has an average basal area around 134 at this time. Stand is poorer quality Hardwoods, some clumpy red maple and poor quality black cherry. decent sugar maple regen around mature black cherry. 1986 - Stand Thinned Black Lakes Sale - Sale # 61-029-86

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	2	Log/Pole/XLog	14		Beech	Medium	Variable	Sapling
Beech	5	Log/Pole	10		Blackberry/Raspberry	Full	Variable	Tall Shrub
Red Maple	25	Log/Pole/XLog	14		Sugar Maple	Low	Variable	Sapling
Sugar Maple	47	Log/Pole/XLog	14	98				
Black Cherry	21	Log/Pole/XLog	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
87	4111 - S.Maple, Hard Mast Association	Sawtimber Poor	191.7	98	51-80	N/A	2022 - Stand currently has an average basal area of 68. Lots of porcupine damage, top die back, very stressed stand, South side of stand has Blackberry's in understory, North side of stand has a good amount of desirable hardwoods species in understory, stand gets hilly as you go north. 2015 - Very heavy with black raspberry. Stand had areas of heavy mortality and was salvaged in 2014 and 2015. Stand had all the maple and oak trees with 40% or more crown dieback harvested. Residual stocking is spotty. Still a decent amount of snags still standing. Section 11 Salvage 61-065-12-01. Hopefully this will regenerate well to sugar maple. 2007 - North Part of Stand Thinned Johnsonville Hardwoods 2007 - South part of Stand Thinned Johnsonville #2 - Sale # 61-063-05 1986 - South Part of Stand was thinned old Railroad Grade Sale - Sale # 61-12-85																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>75</td> <td>Log/Pole</td> <td>12</td> <td>98</td> </tr> <tr> <td>Beech</td> <td>2</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>8</td> <td>Log</td> <td>16</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>2</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>3</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Sugar Maple	75	Log/Pole	12	98	Beech	2	Pole/Log	8		Red Oak	8	Log	16		Bigtooth Aspen	2	Log/Pole	10		Red Maple	10	Log/Pole	12		Black Cherry	3	Log/Pole	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Blackberry/Raspberry</td> <td>High</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	Variable	Sapling	Blackberry/Raspberry	High	Variable	Tall Shrub	Red Maple	Medium	Variable	Sapling	Black Cherry	Medium	Variable	Sapling	Beech	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Sugar Maple	75	Log/Pole	12	98																																																											
Beech	2	Pole/Log	8																																																												
Red Oak	8	Log	16																																																												
Bigtooth Aspen	2	Log/Pole	10																																																												
Red Maple	10	Log/Pole	12																																																												
Black Cherry	3	Log/Pole	12																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																												
Sugar Maple	Medium	Variable	Sapling																																																												
Blackberry/Raspberry	High	Variable	Tall Shrub																																																												
Red Maple	Medium	Variable	Sapling																																																												
Black Cherry	Medium	Variable	Sapling																																																												
Beech	Low	Variable	Sapling																																																												
89	6225 - Bog	Nonstocked	2.6		Unspecified	No	2022 - Stand is a bog																																																								
90	4112 - Maple, Beech, Cherry Association	Poletimber Medium	32.4	62	1-50	N/A	2022 - Stand has some open spots. Stand is filling in with sugar maple, red maple and cherry. Stand has some sapling size aspen clones in it. Stand also has larger scattered cherry in it. Keep allowing succession to take place and allow stand to seed in. 2012 - Scattered Cherry, white pine and clones of aspen. Understory is filling in with maple and cherry.																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>70</td> <td>Pole/Log</td> <td>9</td> <td>62</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	10	Pole	9		Quaking Aspen	10	Pole	7		White Pine	10	Log/Pole	10		Black Cherry	70	Pole/Log	9	62	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Aspen (spp.)</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Medium	Variable	Sapling	Black Cherry	Low	Variable	Sapling	Aspen (spp.)	Low	Variable	Sapling	Red Maple	Low	Variable	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Red Maple	10	Pole	9																																																												
Quaking Aspen	10	Pole	7																																																												
White Pine	10	Log/Pole	10																																																												
Black Cherry	70	Pole/Log	9	62																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																												
Sugar Maple	Medium	Variable	Sapling																																																												
Black Cherry	Low	Variable	Sapling																																																												
Aspen (spp.)	Low	Variable	Sapling																																																												
Red Maple	Low	Variable	Sapling																																																												
91	4112 - Maple, Beech, Cherry Association	Sawtimber Well	14.9	84	81-110	N/A	2022 - Stand has some nice sugar maple regen in spots. Stand has hemlock around wetland area (stand 89)2006 - Stand was thinned in 2006 'Playground Mix' 61-058-02-01. - A good amount of sugar maple in the understory																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>50</td> <td>Log/Pole</td> <td>12</td> <td>84</td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Basswood</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Yellow Birch</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Beech</td> <td>5</td> <td>Log</td> <td>16</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Sugar Maple	50	Log/Pole	12	84	Red Maple	20	Log	14		Black Cherry	10	Log/Pole	10		Basswood	10	Log	14		Yellow Birch	5	Log/Pole	10		Beech	5	Log	16		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	Variable	Sapling	Ironwood	Low	Variable	Sapling	Black Cherry	Medium	Variable	Sapling	Sugar Maple	Medium	Variable	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Sugar Maple	50	Log/Pole	12	84																																																											
Red Maple	20	Log	14																																																												
Black Cherry	10	Log/Pole	10																																																												
Basswood	10	Log	14																																																												
Yellow Birch	5	Log/Pole	10																																																												
Beech	5	Log	16																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																												
Beech	Low	Variable	Sapling																																																												
Ironwood	Low	Variable	Sapling																																																												
Black Cherry	Medium	Variable	Sapling																																																												
Sugar Maple	Medium	Variable	Sapling																																																												
92	4130 - Aspen	Poletimber Well	9.9	28	1-50	N/A	2022 - Stand is transitioning to pole size stand at this time. 1992 - Stand was cut in 1994 'Bear Lk Rd Aspen'. 61-051-92-01																																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>90</td> <td>Pole/Sapling</td> <td>5</td> <td>28</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Bigtooth Aspen	90	Pole/Sapling	5	28	Red Maple	10	Pole/Sapling	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Trace</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Hazelnut (Spp.)</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Trace</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Trace	5 - 10 feet	Sapling	Hazelnut (Spp.)	Low	5 - 10 feet	Tall Shrub	Black Cherry	Low	5 - 10 feet	Sapling	Sugar Maple	Trace	5 - 10 feet	Sapling																								
Canopy Species	% Cover	Size Class	DBH	Age																																																											
Bigtooth Aspen	90	Pole/Sapling	5	28																																																											
Red Maple	10	Pole/Sapling	5																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																												
Red Maple	Trace	5 - 10 feet	Sapling																																																												
Hazelnut (Spp.)	Low	5 - 10 feet	Tall Shrub																																																												
Black Cherry	Low	5 - 10 feet	Sapling																																																												
Sugar Maple	Trace	5 - 10 feet	Sapling																																																												
96	122 - Road/Parking Lot	Nonstocked	1.8			No	2022 - Bear Lake Road.																																																								