



Compartment Review Presentation

Pigeon River Country Forest Management Unit

Compartment 53055

Entry Year 2025

Acreage: 1,729

County Otsego

Management Area: Wolverine Moraines

Stand Examiner: Jake Halabut

Legal Description:

T32N R02W Sections 8, 9, & 10

Identified Planning Goals:

Maintain current species mix and apply appropriate management techniques to mature stands of timber that are in need of treatment.

Soil and topography:

Flat to gently rolling terrain. Predominantly sandy soil types throughout the compartment of varying names and associations, such as the Blue Lakes, Kalkaska, and Rubicon sands. The lowland swamp types are mostly Tawas-Lupton and Ausable-Bowstring mucks.

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

The compartment is predominantly state ownership with the exception of roughly 160 acres in Section 9 that is privately owned by the Fontinalis Club. The entire northern and eastern boundaries of this compartment border state land as well as the southern boundary of Section 10. The remainder of the southern and western edges of the compartment border private property.

Unique Natural Features:

No rare species have been documented in this compartment.

Archeological, Historical, and Cultural Features:

None identified.

Special Management Designations or Considerations:

The compartment is part of the Green Timbers Special Management Area which is off limits to motor vehicles. The Sturgeon River valley and surrounding ridges have been designated as Special Conservation Areas where no intrusive management activities will take place.

Watershed and Fisheries Considerations:

A portion of the Sturgeon River and its tributaries, Club Stream and Pickerel Creek, flow through the compartment.

Wildlife Habitat Considerations:

Treatments in this compartment include a large area that has been periodically burned in the past and will continue to be burned in the future. This will maintain this large area as open or upland brush. This is part of the largest grassland complex in the PRC. An oak regeneration prescription in the eastern part of the compartment will allow us to increase age class diversity in this important vegetation type. Both of these treatments will improve the habitat for deer and elk.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. Glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Devonian Antrim Shale, quarried for clay/shale and cement products elsewhere in the State. The nearest gravel pit is several miles away, but potential is considered good on the upland areas, however page 30 of the Concept of Management for the PRC says that extraction of surface minerals will rarely be allowed. The Antrim Shale has been developed to the south of this compartment. None of the State land is leased. Natural gas is being drained from State minerals. The Niagaran reef trend produces to the southeast and potential is minimal. There is excellent oil and gas potential for known producing formations in this compartment, however, the entire compartment is within the Annexed Area and, as provided on page 33 of the Concept of Management, no new oil and gas development leases will be issued in the Annexed Area except to prevent or reduce adverse drainage.

Vehicle Access:

There is good access throughout most of this compartment, however this compartment is closed to all public motorized vehicles.

Survey Needs:

None required at this time.

Recreational Facilities and Opportunities:

Section 10 of this compartment has hiking trails along with two recreational shelters that are used heavily by hikers and snowshoers. The future of the two recreational shelters needs to be evaluated in conjunction with the non-designated recreational trails that are present in the compartment.

Fire Protection:

With the exception of jack pine types in Section 10, this compartment has a relatively low wildfire risk. Access is good in case of any fire suppression efforts.

Additional Compartment Information:

Most of the grass and upland brush types in Sections 8 and 9 fall within the Green Timbers Burn Project Area and will be periodically burned throughout the 10 year cycle to encourage the development of native grasses and forbs.

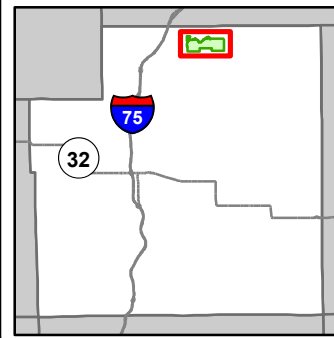
The following reports from the Inventory are attached:

- 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:

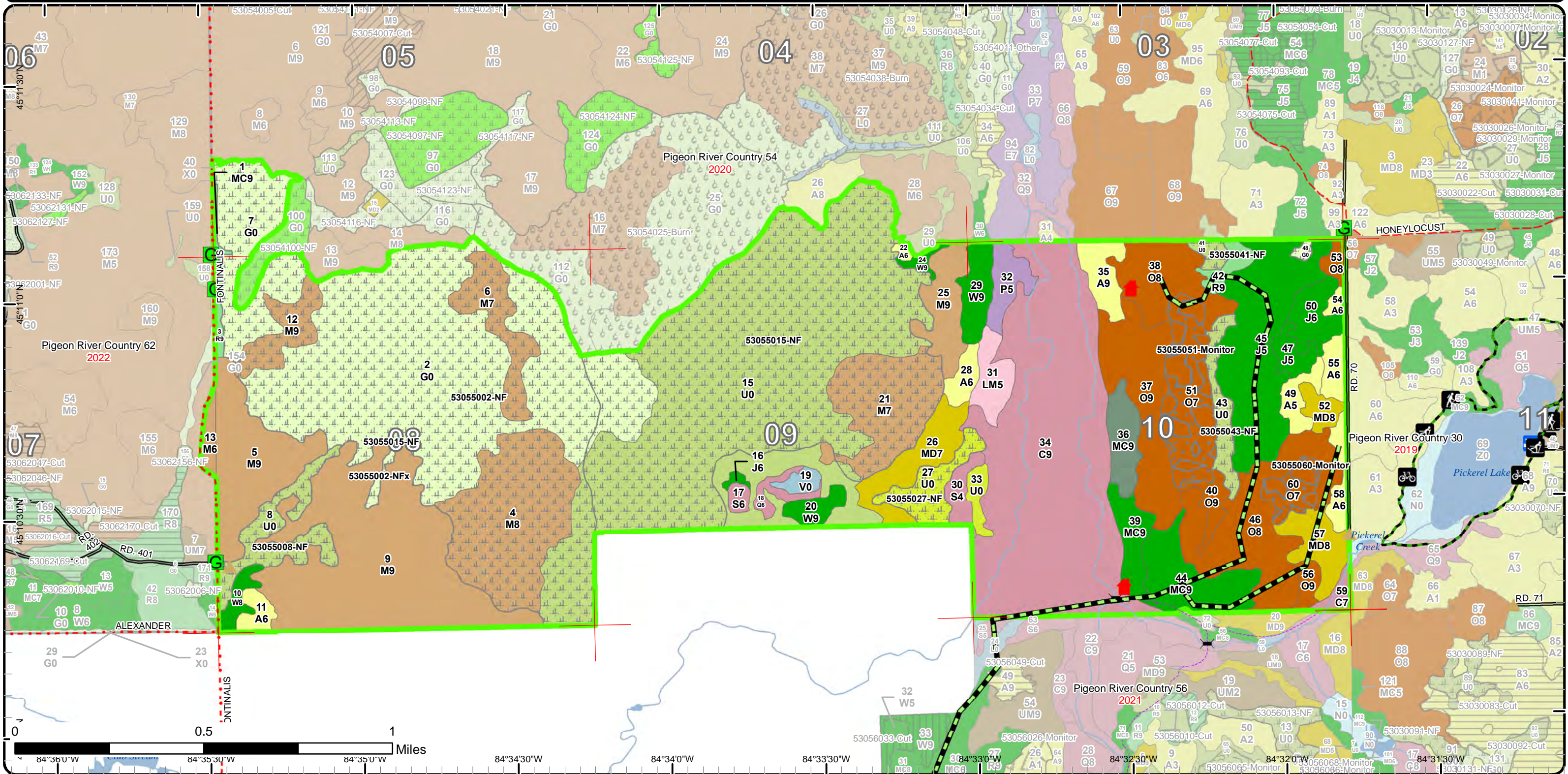
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

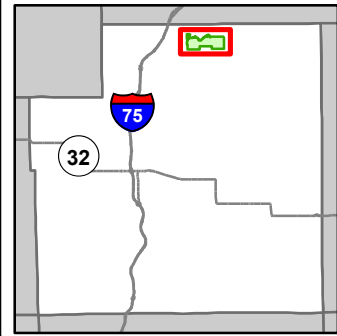


Compartment: 55
 T32N, R02W, Sec: 04, 05, 08-10
 County: Otsego
 Unit: Pigeon River Country
 Mgmt Area: Wolverine Moraines
 YOE: 2025
 Acres: 1728.8 GIS Calculated
 Examiner: Jake Halabut
 Map Revised: 6/14/2023
 Map Phase: Review

- Miris Corners
- Counties
- DNR - Secondary Forest Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Hiking Trails
- Bike Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Non-DNR Trails - User Created
- Cabin
- Toilet
- Berms
- Gate
- Boating Access Site
- Bridges
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Non-Designated Recreational Trail
- Compartment Boundary
- Other Treatment - See Comments
- Regeneration Survey
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub



Stand Boundary Map

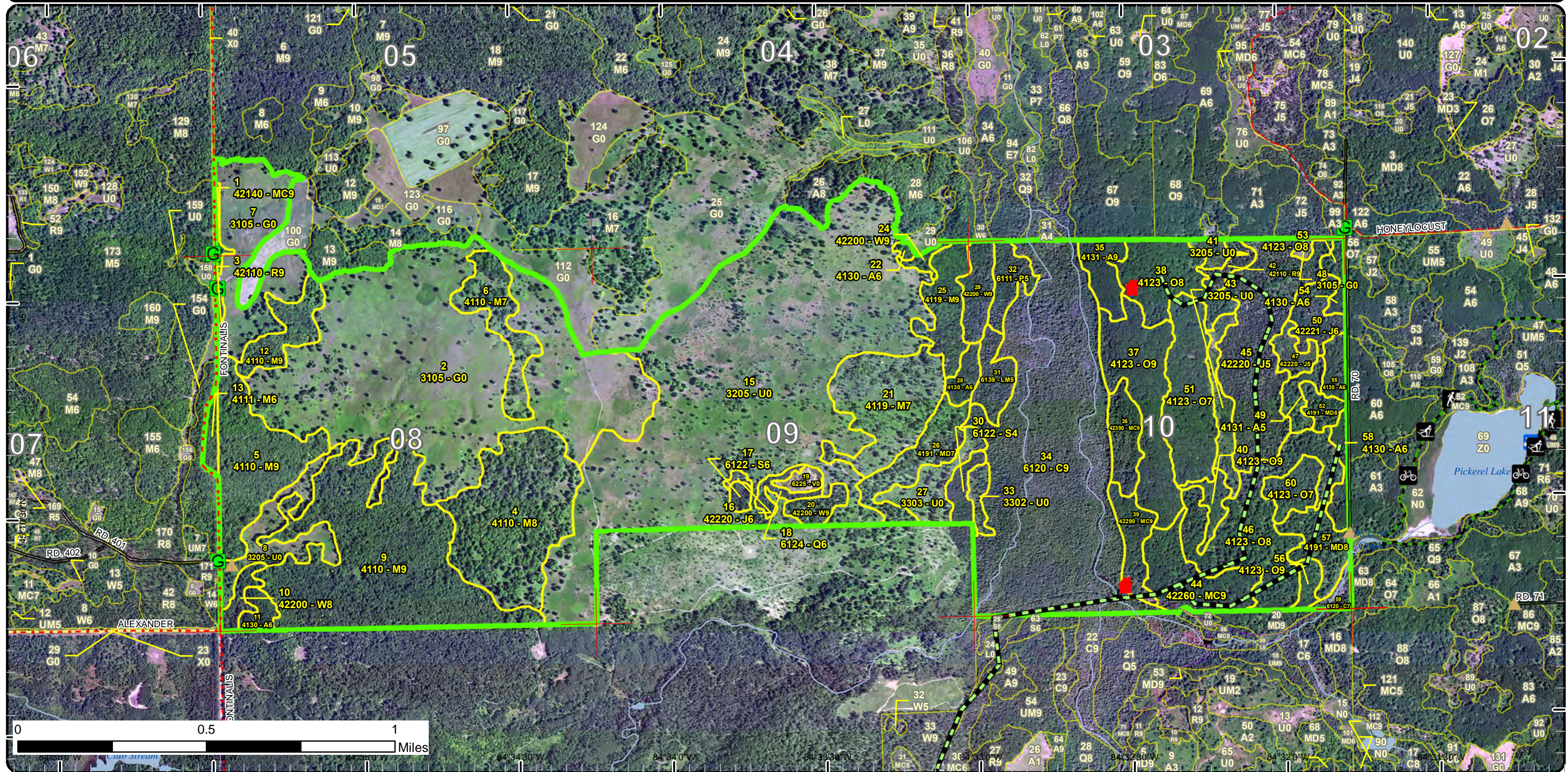


Compartment: 55
 T32N, R02W, Sec: 04, 05, 08-10
 County: Otsego
 Unit: Pigeon River Country
 Mgmt Area: Wolverine Moraines
 YOE: 2025
 Acres: 1728.8 GIS Calculated
 Examiner: Jake Halabut
 Map Revised: 6/14/2023
 Map Phase: Review

- Miris Corners
- Counties
- DNR - Secondary Forest Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Hiking Trails
- Bike Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Non-DNR Trails - User Created

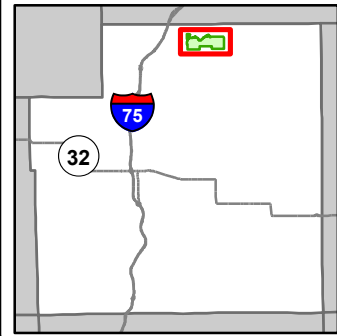
- Cabin
- Toilet
- Berms
- Gate
- Boating Access Site
- Bridges
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Non-Designated Recreational Trail
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood

- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub



Special Conservation Areas

Compartment: 55
 T32N, R02W, Sec: 04, 05, 08-10
 County: Otsego
 Unit: Pigeon River Country
 Mgmt Area: Wolverine Moraines
 YOE: 2025
 Acres: 1728.8 GIS Calculated
 Examiner: Jake Halabut
 Map Revised: 6/14/2023
 Map Phase: Review

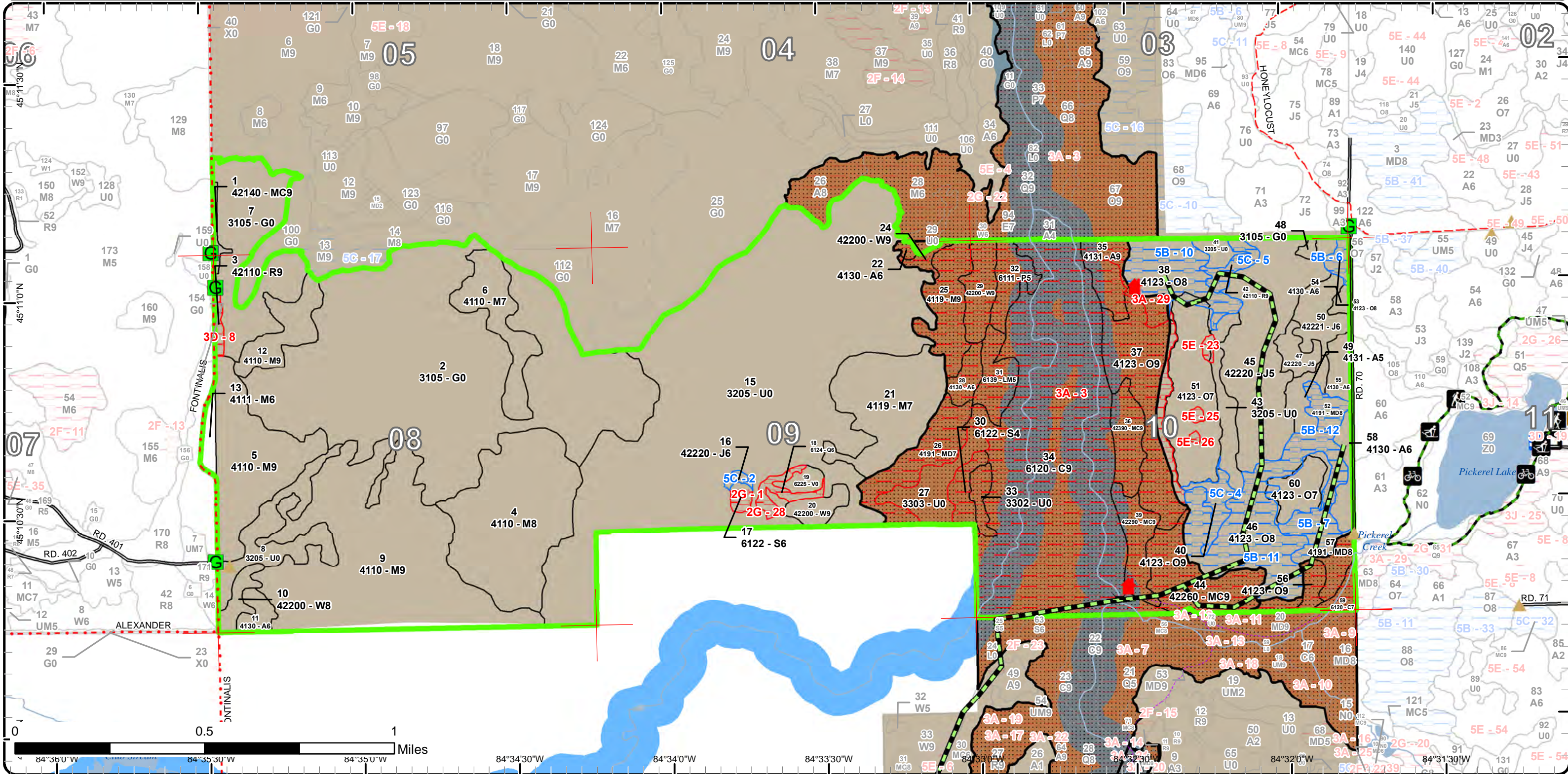


- Miris Corners
- Counties
- DNR - Secondary Forest Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Hiking Trails
- Bike Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Multi-Use Trails
- Non-DNR Trails - User Created

- Cabin
- Toilet
- Berms
- Gate
- Boating Access Site
- Bridges
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Non-Designated Recreational Trail
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes

- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3D: Recreational / Scenic values
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- SCA Removal
- Dedicated Management Areas
- Cold Water Streams
- Cold Water Lakes

- High Priority Trout Stream Buffer
- Other Habitat Area



Report 1 – Total Acres by Cover Type and Age Class



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	0	0	20	14	1	0	0	0	11	0	0	0	0	0	0	0	46
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Cedar	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	191	0	0	195
Herbaceous Openland	302	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	302
Jack Pine	0	0	0	6	75	0	0	1	0	0	0	0	0	0	0	0	0	0	81
Low-Density Trees	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Aspen/Balsam Poplar	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Conifers	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	12
Lowland Spruce/Fir	0	0	0	0	0	0	0	7	0	0	0	3	0	0	0	0	0	0	10
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	16	0	28	0	0	0	0	0	0	0	44
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	13	27	0	0	0	0	0	0	0	40
Northern Hardwood	0	0	0	0	0	0	0	0	0	4	45	310	0	0	0	0	0	0	359
Oak	0	0	0	0	0	0	0	0	5	0	84	42	55	0	0	0	0	0	184
Planted Mixed Pines	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Red Pine	0	0	0	0	0	0	3	0	5	0	0	0	0	0	0	0	0	0	7
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	0	13
Upland Shrub	367	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	367
White Pine	0	0	0	0	0	0	9	7	0	12	0	0	0	0	0	0	0	0	28
Total	693	0	0	6	95	25	15	20	26	29	199	367	55	0	13	191	0	0	1729



Pigeon River Country Mgt. Unit
Year of Entry: 2025

Report 2 – Treatment Summary

Compartment 55
Total Compartment Acres: 1,729

Acres of Harvest

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

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	0	0	0	0	0	47	0	815		862
Next Step	0	0	47	0	0	758	0	0		804
Total	0	0	47	0	0	804	0	815		1666



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:

2	53055002-NF	418.0	3105 - Mixed Upland Herbaceous	Nonstocked		Immature	NonForestMgt	Other - Specify	320 - Upland Shrub	No
<p><u>Prescription</u> General opening maintenance which may include tilling, mowing, brush cutting, brush pile creation, Rx fire, tree planting, crop planting, tree removal, and herbicide.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Prescribed Burn</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2024</p>										
2	53055002-NFx	2.2	3105 - Mixed Upland Herbaceous	Nonstocked		Immature	NonForestMgt	Other - Specify	320 - Upland Shrub	No
<p><u>Prescription</u> General opening maintenance which may include tilling, mowing, brush cutting, brush pile creation, Rx fire, planting, tree removal, and herbicide.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2024</p>										
8	53055008-NF	23.6	3205 - Mixed Upland Shrub	Nonstocked			NonForestMgt	Other - Specify	3205 - Mixed Upland Shrub	No
<p><u>Prescription</u> General opening maintenance which may include tilling, mowing, brush cutting, brush pile creation, Rx fire, tree planting, crop planting, brush pile creation, tree removal, and herbicide.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2024</p>										
15	53055015-NF	339.6	3205 - Mixed Upland Shrub	Nonstocked			NonForestMgt	Other - Specify	320 - Upland Shrub	No
<p><u>Prescription</u> General opening maintenance which may include tilling, mowing, brush cutting, Rx fire, tree planting, crop planting, brush pile creation, tree removal, and herbicide.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Prescribed Burn</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p>Proposed Start Date: 10/1 /2024</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
27 53055027-NF	15.2	3303 - Mixed Low Density Trees	Nonstocked		Immature	NonForestMgt	Other - Specify	320 - Upland Shrub		No
<p><u>Prescription</u> General opening maintenance which may include tilling, mowing, brush cutting, brush pile creation, Rx fire, tree planting, crop planting, brush pile creation, tree removal, and herbicide.</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 /2024</p>										
41 53055041-NF	3.9	3205 - Mixed Upland Shrub	Nonstocked			NonForestMgt	Other - Specify	320 - Upland Shrub		No
<p><u>Prescription</u> General opening maintenance which may include tilling, mowing, brush cutting, brush pile creation, Rx fire, tree planting, crop planting, brush pile creation, tree removal, and herbicide.</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 /2024</p>										
43 53055043-NF	11.6	3205 - Mixed Upland Shrub	Nonstocked		Immature	NonForestMgt	Other - Specify	320 - Upland Shrub		No
<p><u>Prescription</u> General opening maintenance which may include tilling, mowing, brush cutting, brush pile creation, Rx fire, tree planting, crop planting, brush pile creation, tree removal, and herbicide.</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 /2024</p>										
48 53055048-NF	1.2	3105 - Mixed Upland Herbaceous	Nonstocked		Immature	NonForestMgt	Other - Specify	320 - Upland Shrub		No
<p><u>Prescription</u> General opening maintenance which may include tilling, mowing, brush cutting, brush pile creation, Rx fire, tree planting, crop planting, brush pile creation, tree removal, and herbicide.</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 /2024</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
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

Approved Treatments:

51	53055051-Monitor	36.1	4123 - Red Oak	Sawtimber Poor	99	1-50	Monitoring	Natural Regen (Intermediate)	4123 - Red Oak	Two-Aged	No
<p><u>Prescription</u> Natural regen survey. The original scarification treatment was not done in the stand. <u>Specs:</u> <u>Next Step</u> Planting, Interplant <u>Treatments:</u> <u>Acceptable</u> See original treatment notes <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022</p>											
60	53055060-Monitor	10.5	4123 - Red Oak	Sawtimber Poor	108	1-50	Monitoring	Natural Regen (Intermediate)	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription</u> Natural regen survey. The original scarification treatment was not done in the stand. <u>Specs:</u> <u>Next Step</u> Planting, Interplant <u>Treatments:</u> <u>Acceptable</u> Acceptable regeneration will be at least a medium-stocked stand consisting of any mix of pine, oak, aspen, and maple, with at least a 30% representation of regenerating oak. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022</p>											

Total Treatment Acreage Proposed: 861.9

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Jake Halabut : Examiner

Compartment: 55

Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions							
		With Condition	Not Available		5B	5C	2G	3A	3D	5E	
46	28	0	19	Aspen	0			19			
4	4	0	0	Bog							
195	0	0	195	Cedar				195			
302	302	0	0	Herbaceous Openland							
82	81	1	0	Jack Pine		1					
20	15	0	5	Low-Density Trees				5			
10	0	0	10	Lowland Aspen/Balsam Poplar				10			
5	0	0	5	Lowland Conifers			5				
12	0	0	12	Lowland Mixed Forest				12			
9	0	0	9	Lowland Spruce/Fir			3	7			
43	0	16	27	Mixed Upland Deciduous	16			27			
40	0	0	40	Natural Mixed Pines				40			
359	339	0	20	Northern Hardwood				20			
185	46	85	55	Oak	79	6		52		2	
2	2	0	0	Planted Mixed Pines							
8	0	5	2	Red Pine		5			2		
13	0	0	13	Upland Conifers				13			
367	366	0	0	Upland Shrub	0	0				0	
27	12	0	15	White Pine				15			
1,729	1,195	107	427	Total Forested Acres	94	13	8	414	2	3	
	69%	6%	25%	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	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Jake Halabut : Examiner

Compartment: 55

Year of Entry: 2025

2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3A: Conservation Values incompatible with harvest at this time	410	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: This site condition encompasses all stands in the compartment that are a part of the Sturgeon River Valley SCA. Most of the upland stands sit on steep side-slopes and most of the lowland stands are directly adjacent to the Sturgeon River.							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold until adjacent stand 46 is ready for treatment and harvest together.							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Due to small acreage, hold until adjacent S45 and/or S38 are ready for harvest.							
6	Available	5B: Maintain for regeneration purposes	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5B: Maintain for regeneration purposes	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wait till next inventory cycle and re-evaluate along with S46.							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit
 Jake Halabut : Examiner

Compartment: 55
 Year of Entry: 2025

8	Unavailable	3D: Recreational / Scenic values	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Maintain for now as a visual for elk viewing area.							
10	Available	5B: Maintain for regeneration purposes	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold until the red maple and aspen regeneration matures.							
11	Available	5B: Maintain for regeneration purposes	51		Unspecified	Unspecified	Unspecified
Comments: -Hold until immature aspen and red maple is ready to harvest.							
12	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -Previous harvest removed all aspen and red maple. Hold until these species mature.							
23	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Jake Halabut : Examiner

Compartment: 55

Year of Entry: 2025

28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	3A: Conservation Values incompatible with harvest at this time	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: A portion of this stand lies within the Green Timbers Old Growth Area.							



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
Sturgeon River Valley SCA	Habitat Area	Other Habitat Area	SCA	426
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
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
1	42140 - Planted Mixed Pine	Sawtimber Well	2.2	50	111-140	N/A	Small stand of pine that was planted for visual purposes. More red pine in the north half, more white pine in the south. Quite a bit of weevil damage on the white pine. Average ba/acre from 6 plots = 126 square feet.																																																		
<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>3</td> <td>XLog</td> <td>22</td> <td></td> </tr> <tr> <td>White Pine</td> <td>38</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>58</td> <td>Log/Pole</td> <td>12</td> <td>50</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>1</td> <td>Log</td> <td>13</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Sugar Maple	3	XLog	22		White Pine	38	Log/Pole	13		Red Pine	58	Log/Pole	12	50	Bigtooth Aspen	1	Log	13		<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>Medium</td> <td>Variable</td> <td>Tall Shrub</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Apple (spp.)</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Ash</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Autumn Olive</td> <td>Trace</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Medium	Variable	Tall Shrub	Beech	Low	Variable	Sapling	Apple (spp.)	Trace	>20 feet	Sapling	Ironwood	Medium	Variable	Sapling	White Ash	Low	< 5 feet	Sapling	Autumn Olive	Trace	5 - 10 feet	Tall Shrub
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Sugar Maple	3	XLog	22																																																						
White Pine	38	Log/Pole	13																																																						
Red Pine	58	Log/Pole	12	50																																																					
Bigtooth Aspen	1	Log	13																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Black Cherry	Medium	Variable	Tall Shrub																																																						
Beech	Low	Variable	Sapling																																																						
Apple (spp.)	Trace	>20 feet	Sapling																																																						
Ironwood	Medium	Variable	Sapling																																																						
White Ash	Low	< 5 feet	Sapling																																																						
Autumn Olive	Trace	5 - 10 feet	Tall Shrub																																																						
2	3105 - Mixed Upland Herbaceous	Nonstocked	250.8		Immature	Managed Opening	-This stand is part of the Green Timbers Prescribed Burn Project Area.- Parking lot for elk viewing area is in this stand along Fontinalis Road.- Last burn completed in early summer of 2014.																																																		
<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>Bracken Fern</td> <td>High</td> <td></td> <td>Non-Wood</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td></td> <td>Log</td> </tr> <tr> <td>Blackberry/Raspberry</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Ironwood</td> <td>Trace</td> <td></td> <td>Seeding</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td></td> <td>Log</td> </tr> <tr> <td>Autumn Olive</td> <td>Trace</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Ironwood</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Mixed Grasses</td> <td>Full</td> <td></td> <td>Non-Wood</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td></td> <td>Log</td> </tr> <tr> <td>Spotted Knapweed</td> <td>Low</td> <td></td> <td>Non-Wood</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Bracken Fern		High		Non-Wood	White Pine	Trace		Log	Blackberry/Raspberry	Low	< 5 feet	Tall Shrub	Ironwood	Trace		Seeding	Sugar Maple	Low		Log	Autumn Olive	Trace	5 - 10 feet	Tall Shrub	Ironwood	Trace		Sapling	Mixed Grasses	Full		Non-Wood	Red Pine	Trace		Log	Spotted Knapweed	Low		Non-Wood											
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Bracken Fern	High		Non-Wood																																																						
White Pine	Trace		Log																																																						
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub																																																						
Ironwood	Trace		Seeding																																																						
Sugar Maple	Low		Log																																																						
Autumn Olive	Trace	5 - 10 feet	Tall Shrub																																																						
Ironwood	Trace		Sapling																																																						
Mixed Grasses	Full		Non-Wood																																																						
Red Pine	Trace		Log																																																						
Spotted Knapweed	Low		Non-Wood																																																						
3	42110 - Planted Red Pine	Sawtimber Well	2.5	50	141-170	N/A	-White pine is present along the eastern edge of the stand. About 4-5 rows of red pine planted and 2-3 rows of white pine.- 5 plots for an average BA of 158.- better stems can be found along the red pine, as much of the white pine has developed multiple stems.																																																		
<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</td> <td>11</td> <td>50</td> </tr> <tr> <td>White Pine</td> <td>30</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	70	Log/Pole	11	50	White Pine	30	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>White Ash</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> <tr> <td>White Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Ash	Low	< 5 feet	Sapling	Black Cherry	Low	Variable	Sapling	White Pine	Medium	< 5 feet	Sapling	Ironwood	Medium	Variable	Sapling																		
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Pine	70	Log/Pole	11	50																																																					
White Pine	30	Log/Pole	12																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
White Ash	Low	< 5 feet	Sapling																																																						
Black Cherry	Low	Variable	Sapling																																																						
White Pine	Medium	< 5 feet	Sapling																																																						
Ironwood	Medium	Variable	Sapling																																																						
4	4110 - Sugar Maple Association	Sawtimber Medium	74.8	109	51-80	N/A	-This stand is part of the Green Timbers Prescribed Burn Project Area. Stand has a denser area in the center of it, where some better formed Sugar maple and basswood logs can be found. Otherwise, the stand is riddled with open area and many of the stems reflect being open grown. The understory is very open and predominately filled with ironwood and some beech. Not much else is growing in this stand. - Heavy deer and elk use is apparent in this stand. -8 plots for an average of 62 sq ft per acre. -Last burn completed in early summer of 2014.																																																		
<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>Ironwood</td> <td>3</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>2</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>70</td> <td>Log/XLog</td> <td>14</td> <td>109</td> </tr> <tr> <td>Basswood</td> <td>20</td> <td>Log/XLog</td> <td>15</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Ironwood	3	Sapling/Pole	4		White Pine	5	Log/Pole	13		Red Pine	2	Log/Pole	13		Sugar Maple	70	Log/XLog	14	109	Basswood	20	Log/XLog	15																										
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Ironwood	3	Sapling/Pole	4																																																						
White Pine	5	Log/Pole	13																																																						
Red Pine	2	Log/Pole	13																																																						
Sugar Maple	70	Log/XLog	14	109																																																					
Basswood	20	Log/XLog	15																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
5	4110 - Sugar Maple Association	Sawtimber Well	46.0	101	81-110	N/A	-Basal area is quite variable throughout. 14 BA points were taken with an average of 100 sq. ft. per acre. Lot of large pulp trees.-Old canopy gaps have filled in exclusively with ironwood. If prescribed, treatment boundary should go around open areas and areas of lower BA.-Ash is mostly wiped out in this stand due to EAB. BBD is present in the stand with scale on the majority of the trees.- Spoke with Greco regarding setting up a field day to look at this stand. -Sugar maple site index= 56, for a 91 year old tree, 81 feet tall.																																											
<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>Ironwood</td> <td>2</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Beech</td> <td>5</td> <td>Log/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>71</td> <td>Log/Pole</td> <td>13</td> <td>101</td> </tr> <tr> <td>Basswood</td> <td>20</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Black Cherry</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Ironwood	2	Pole/Sapling	5		Beech	5	Log/XLog	14		Sugar Maple	71	Log/Pole	13	101	Basswood	20	Log	14		Black Cherry	2	Pole	7		<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>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Ash</td> <td>Medium</td> <td>< 5 feet</td> <td>Seeding</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Medium	Variable	Sapling	Ironwood	High	Variable	Sapling	White Ash	Medium	< 5 feet	Seeding
Canopy Species	% Cover	Size Class	DBH	Age																																														
Ironwood	2	Pole/Sapling	5																																															
Beech	5	Log/XLog	14																																															
Sugar Maple	71	Log/Pole	13	101																																														
Basswood	20	Log	14																																															
Black Cherry	2	Pole	7																																															
Sub-Canopy Species	Density	Avg. Height	Size																																															
Beech	Medium	Variable	Sapling																																															
Ironwood	High	Variable	Sapling																																															
White Ash	Medium	< 5 feet	Seeding																																															
6	4110 - Sugar Maple Association	Sawtimber Poor	23.5	109	51-80	N/A	-This stand is part of the Green Timbers Prescribed Burn Project Area. -This stand runs along the ridge between two fields. Stand is spare as your move towards the south, mostly due to the loss of ash from EAB, and lots of ash snags remain scattered throughout this stand. Here, dense ironwood and sugar maple have filled in these gaps. The sugar maple advanced regen is encouraging. The stand gets dense towards north, where the understory is fairly open except for being dominated by ironwood. This is most likely due to frequent burning. -Heavy deer and elk presence is apparent due to browse. 6 plots were recorded for an average of 55 sq ft per acre -Last burn completed in early summer of 2014.																																											
<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>Ironwood</td> <td>10</td> <td>Sapling/Pole</td> <td>3</td> <td>25</td> </tr> <tr> <td>Basswood</td> <td>20</td> <td>Log/XLog</td> <td>15</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>70</td> <td>Log/XLog</td> <td>14</td> <td>109</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Ironwood	10	Sapling/Pole	3	25	Basswood	20	Log/XLog	15		Sugar Maple	70	Log/XLog	14	109	<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>High</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Trace</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Blackberry/Raspberry</td> <td>Medium</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Ironwood	High	>20 feet	Sapling	Sugar Maple	Medium	>20 feet	Sapling	Sugar Maple	Trace	>20 feet	Pole	Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub						
Canopy Species	% Cover	Size Class	DBH	Age																																														
Ironwood	10	Sapling/Pole	3	25																																														
Basswood	20	Log/XLog	15																																															
Sugar Maple	70	Log/XLog	14	109																																														
Sub-Canopy Species	Density	Avg. Height	Size																																															
Ironwood	High	>20 feet	Sapling																																															
Sugar Maple	Medium	>20 feet	Sapling																																															
Sugar Maple	Trace	>20 feet	Pole																																															
Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub																																															
7	3105 - Mixed Upland Herbaceous	Nonstocked	49.7		Immature	Managed Opening	-This stand is part of the Green Timbers Prescribed Burn Project Area.- Parking lot for elk viewing area is in this stand along Fontinalis Road.- Last burn completed in early summer of 2014.																																											
		<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>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td></td> <td>Log</td> </tr> <tr> <td>Spotted Knapweed</td> <td>Low</td> <td></td> <td>Non-Wood</td> </tr> <tr> <td>Ironwood</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Mixed Grasses</td> <td>Full</td> <td></td> <td>Non-Wood</td> </tr> <tr> <td>Bracken Fern</td> <td>High</td> <td></td> <td>Non-Wood</td> </tr> <tr> <td>Ironwood</td> <td>Trace</td> <td></td> <td>Seeding</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td></td> <td>Log</td> </tr> <tr> <td>Autumn Olive</td> <td>Trace</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td></td> <td>Log</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height		Size	Blackberry/Raspberry	Low	< 5 feet	Tall Shrub	Red Pine	Trace		Log	Spotted Knapweed	Low		Non-Wood	Ironwood	Trace		Sapling	Mixed Grasses	Full		Non-Wood	Bracken Fern	High		Non-Wood	Ironwood	Trace		Seeding	Sugar Maple	Low		Log	Autumn Olive	Trace	5 - 10 feet	Tall Shrub	White Pine	Trace		Log		
Sub-Canopy Species	Density	Avg. Height	Size																																															
Blackberry/Raspberry	Low	< 5 feet	Tall Shrub																																															
Red Pine	Trace		Log																																															
Spotted Knapweed	Low		Non-Wood																																															
Ironwood	Trace		Sapling																																															
Mixed Grasses	Full		Non-Wood																																															
Bracken Fern	High		Non-Wood																																															
Ironwood	Trace		Seeding																																															
Sugar Maple	Low		Log																																															
Autumn Olive	Trace	5 - 10 feet	Tall Shrub																																															
White Pine	Trace		Log																																															



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

8	3205 - Mixed Upland Shrub	Nonstocked	23.6			No	-This stand is not a part of the Green Timbers Prescribed Burn Area. -Small pocket of planted red pine near the intersection of the two-track and Fontinalis Road.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Blackberry/Raspberry	Medium		Tall Shrub
								Mixed Grasses	Full		Non-Wood
								White Pine	Low		Sapling
								Red Pine	Low		Pole
								Red Maple	Trace		Log
								Basswood	Trace		Log
								Red Pine	Trace		Sapling
								White Pine	Low		Log
								Spotted Knapweed	Medium		Non-Wood
								White Pine	Trace		Seeding
								Black Cherry	Low		Sapling
Bracken Fern	Medium		Non-Wood								
Red Pine	Trace		Seeding								

9	4110 - Sugar Maple Association	Sawtimber Well	128.8	105	81-110	N/A	-Stand thinned in 2005, "Green Timbers Hardwoods", cut by Weyerhaeuser. South half of stand thinned in 1990, bought by Heatherton Farm and Forest. Old canopy gaps filled in primarily with ironwood and beech (sap/pole). -25 BA points taken with an average of 96 sq. ft. per acre. - EAB damage present, about all of ash already dead. BBD scale on a beech that are still alive, many have already died. Some smaller poles are doing well while other sawlog trees that are still alive have BBD. -Some pockets of heavy porcupine damage. -Sedge very heavy in the understory. Heavy use by deer and elk is negatively impacting the understory of this stand. - I have spoken with Greco regarding a field day to look at this stand.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Ironwood	5	Pole/Sapling	5	
								Beech	2	Log/XLog	17	
								Basswood	27	Log	13	
								Sugar Maple	66	Log/Pole	13	105
								Sub-Canopy Species	Density	Avg. Height	Size	
								Ironwood	Full	Variable	Sapling	
								Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub	
								Sugar Maple	Low	>20 feet	Sapling	
								Sugar Maple	Low	>20 feet	Pole	
								White Ash	Low	< 5 feet	Seeding	
								Beech	Full	Variable	Sapling	

10	42200 - Natural White Pine	Sawtimber Medium	5.8	50	51-80	N/A	-No real understory, saplings a part of the overstory. -Quite a bit of open-grown white pine.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Bigtooth Aspen	23	Pole/Log	9	
								Sugar Maple	2	Log	14	
								White Pine	75	Log/Pole	11	50
								Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple	Medium	Variable	Sapling									
Ironwood	Low	Variable	Sapling									

11	4130 - Aspen	Poletimber Well	5.4	36	51-80	N/A	-Stand clearcut in 1986 by D. Bunker and Son's Wood Pallets. -Pocket of bigger aspen in the SW corner of the stand. Stand essentially sits on a long, gradual slope up to the east, with the base at Fontanalis Road. Stem diameter of aspen decreases as you go up the slope. Red maple regen has taken advantage of this with quite a bit of advanced regen on the slope.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	15	Sapling	3	
								Red Oak	2	Pole/Sapling	5	
								Bigtooth Aspen	70	Pole/Sap/Log	6	36
								White Pine	13	Pole/Log	8	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Ironwood	Low	Variable	Sapling	
								Red Maple	High	Variable	Sapling	
								Beech	Low	Variable	Sapling	
White Pine	Low	Variable	Sapling									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
12	4110 - Sugar Maple Association	Sawtimber Well	16.6	101	51-80	N/A	-This stand is part of the Green Timbers Prescribed Burn Project Area. - Understory is pretty open other than being dominated by ironwood. This stand is progressing along, but like many other stands in the area, I'm afraid this stand will convert over to being predominately ironwood on its current trajectory. -8 plots were recorded for an average BA of 82 sq ft per acre.																																																				
<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>Ironwood</td> <td>14</td> <td>Sapling/Pole</td> <td>3</td> <td>25</td> </tr> <tr> <td>Basswood</td> <td>20</td> <td>Log/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>66</td> <td>Log/XLog/Pole</td> <td>13</td> <td>101</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Ironwood	14	Sapling/Pole	3	25	Basswood	20	Log/XLog	14		Sugar Maple	66	Log/XLog/Pole	13	101	<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>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Ash</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Ironwood	High	Variable	Sapling	White Ash	Low	< 5 feet	Sapling	Beech	Low	< 5 feet	Sapling	Sugar Maple	Low	>20 feet	Pole																
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Ironwood	14	Sapling/Pole	3	25																																																							
Basswood	20	Log/XLog	14																																																								
Sugar Maple	66	Log/XLog/Pole	13	101																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Ironwood	High	Variable	Sapling																																																								
White Ash	Low	< 5 feet	Sapling																																																								
Beech	Low	< 5 feet	Sapling																																																								
Sugar Maple	Low	>20 feet	Pole																																																								
13	4111 - S.Maple, Hard Mast Association	Poletimber Well	4.4	88	81-110	N/A	Moderate to low quality hardwood stand that sits on a slight west-facing slope. Most but not all of the beech have BBD. There appears to be a few beech trees that may be resistant. Thick beech understory in most places. Trace of yellow birch. Average ba/acre from 5 plots = 90 square feet.																																																				
<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>Beech</td> <td>23</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Basswood</td> <td>3</td> <td>Log</td> <td>11</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>4</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>1</td> <td>Log</td> <td>13</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>6</td> <td>Log</td> <td>15</td> <td></td> </tr> <tr> <td>Ironwood</td> <td>3</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>60</td> <td>Pole/Log</td> <td>9</td> <td>88</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Beech	23	Log/Pole	10		Basswood	3	Log	11		Red Maple	4	Log/Pole	10		Quaking Aspen	1	Log	13		Bigtooth Aspen	6	Log	15		Ironwood	3	Pole/Sapling	5		Sugar Maple	60	Pole/Log	9	88	<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>Full</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Ironwood	Low	Variable	Sapling	Beech	Full	Variable	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																																							
Beech	23	Log/Pole	10																																																								
Basswood	3	Log	11																																																								
Red Maple	4	Log/Pole	10																																																								
Quaking Aspen	1	Log	13																																																								
Bigtooth Aspen	6	Log	15																																																								
Ironwood	3	Pole/Sapling	5																																																								
Sugar Maple	60	Pole/Log	9	88																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																								
Ironwood	Low	Variable	Sapling																																																								
Beech	Full	Variable	Sapling																																																								
15	3205 - Mixed Upland Shrub	Nonstocked	327.5			Managed Opening	-Burn completed in early summer of 2014. -Scattered trees throughout, including white pine, sugar maple, basswood, red maple, and elm. -Spotted knapweed presence in and along the roads.																																																				
		<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>American Elm</td> <td>Trace</td> <td></td> <td>Log</td> </tr> <tr> <td>Basswood</td> <td>Trace</td> <td></td> <td>Log</td> </tr> <tr> <td>Red Maple</td> <td>Trace</td> <td></td> <td>Log</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td></td> <td>Log</td> </tr> <tr> <td>Bracken Fern</td> <td>High</td> <td></td> <td>Non-Wood</td> </tr> <tr> <td>Balsam Poplar</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>Mixed Grasses</td> <td>Full</td> <td></td> <td>Non-Wood</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td></td> <td>Log</td> </tr> <tr> <td>Red Oak</td> <td>Trace</td> <td></td> <td>Log</td> </tr> <tr> <td>Spotted Knapweed</td> <td>Trace</td> <td></td> <td>Non-Wood</td> </tr> <tr> <td>Blackberry/Raspberry</td> <td>Low</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>Quaking Aspen</td> <td>Trace</td> <td></td> <td>Pole</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	American Elm	Trace		Log	Basswood	Trace		Log	Red Maple	Trace		Log	Sugar Maple	Low		Log	Bracken Fern	High		Non-Wood	Balsam Poplar	Trace		Sapling	Black Cherry	Low		Tall Shrub	Mixed Grasses	Full		Non-Wood	White Pine	Trace		Log	Red Oak	Trace		Log	Spotted Knapweed	Trace		Non-Wood	Blackberry/Raspberry	Low		Tall Shrub	Quaking Aspen	Trace		Pole
Sub-Canopy Species	Density	Avg. Height	Size																																																								
American Elm	Trace		Log																																																								
Basswood	Trace		Log																																																								
Red Maple	Trace		Log																																																								
Sugar Maple	Low		Log																																																								
Bracken Fern	High		Non-Wood																																																								
Balsam Poplar	Trace		Sapling																																																								
Black Cherry	Low		Tall Shrub																																																								
Mixed Grasses	Full		Non-Wood																																																								
White Pine	Trace		Log																																																								
Red Oak	Trace		Log																																																								
Spotted Knapweed	Trace		Non-Wood																																																								
Blackberry/Raspberry	Low		Tall Shrub																																																								
Quaking Aspen	Trace		Pole																																																								
16	42220 - Natural Jack Pine	Poletimber Well	1.1	63		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>White Pine</td> <td>27</td> <td>Pole/Log/Sap</td> <td>9</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>3</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>60</td> <td>Pole/Log</td> <td>8</td> <td>63</td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	27	Pole/Log/Sap	9		Black Spruce	3	Pole	6		Jack Pine	60	Pole/Log	8	63	Quaking Aspen	10	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>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Sapling	White Spruce	Low	< 5 feet	Sapling																			
Canopy Species	% Cover	Size Class	DBH	Age																																																							
White Pine	27	Pole/Log/Sap	9																																																								
Black Spruce	3	Pole	6																																																								
Jack Pine	60	Pole/Log	8	63																																																							
Quaking Aspen	10	Pole	8																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																								
White Pine	Low	Variable	Sapling																																																								
White Spruce	Low	< 5 feet	Sapling																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
17	6122 - Black Spruce	Poletimber Well	2.6	108	81-110	N/A	-Shagnum and leatherleaf 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>White Pine</td> <td>43</td> <td>Log/Pole/XLog</td> <td>13</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>50</td> <td>Pole/Log</td> <td>8</td> <td>108</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	43	Log/Pole/XLog	13		White Spruce	5	Log/Pole	10		Jack Pine	2	Pole	7		Black Spruce	50	Pole/Log	8	108	<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>Leatherleaf</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Labrador Tea</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Sapling	Leatherleaf	Low	< 5 feet	Tall Shrub	Labrador Tea	Low	5 - 10 feet	Tall Shrub	Black Spruce	Medium	Variable	Sapling																
Canopy Species	% Cover	Size Class	DBH	Age																																																												
White Pine	43	Log/Pole/XLog	13																																																													
White Spruce	5	Log/Pole	10																																																													
Jack Pine	2	Pole	7																																																													
Black Spruce	50	Pole/Log	8	108																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
White Pine	Low	Variable	Sapling																																																													
Leatherleaf	Low	< 5 feet	Tall Shrub																																																													
Labrador Tea	Low	5 - 10 feet	Tall Shrub																																																													
Black Spruce	Medium	Variable	Sapling																																																													
18	6124 - Lowland Spruce-Fir	Poletimber Well	5.1	67	81-110	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>White Spruce</td> <td>15</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>2</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Tamarack</td> <td>2</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>35</td> <td>Log/Pole/XLog</td> <td>12</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>46</td> <td>Pole</td> <td>8</td> <td>67</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Spruce	15	Pole/Log	8		Quaking Aspen	2	Log	14		Tamarack	2	Pole/Sapling	7		White Pine	35	Log/Pole/XLog	12		Black Spruce	46	Pole	8	67	<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 Spruce</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> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	Variable	Sapling	White Pine	Low	Variable	Sapling																			
Canopy Species	% Cover	Size Class	DBH	Age																																																												
White Spruce	15	Pole/Log	8																																																													
Quaking Aspen	2	Log	14																																																													
Tamarack	2	Pole/Sapling	7																																																													
White Pine	35	Log/Pole/XLog	12																																																													
Black Spruce	46	Pole	8	67																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Black Spruce	Low	Variable	Sapling																																																													
White Pine	Low	Variable	Sapling																																																													
19	6225 - Bog	Nonstocked	3.7			No																																																										
		<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>Tamarack</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Sphagnum Moss</td> <td>Full</td> <td></td> <td>Non-Wood</td> </tr> <tr> <td>Leatherleaf</td> <td>High</td> <td></td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tamarack	Trace		Sapling	White Pine	Medium		Sapling	Black Spruce	Medium		Sapling	Sphagnum Moss	Full		Non-Wood	Leatherleaf	High		Tall Shrub																																					
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Tamarack	Trace		Sapling																																																													
White Pine	Medium		Sapling																																																													
Black Spruce	Medium		Sapling																																																													
Sphagnum Moss	Full		Non-Wood																																																													
Leatherleaf	High		Tall Shrub																																																													
20	42200 - Natural White Pine	Sawtimber Well	6.6	62	1-50	N/A	-Lot of open grown stems. Some massive old WP stumps. Stand is filling in with white pine, with some spruce as well in the understory near the border with S18.-highly variable BA and diameters. -Difficult to tell with the snow, but looks like an old RR grade passes through this 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>Red Maple</td> <td>4</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>4</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>90</td> <td>Log/Pole/XLog</td> <td>10</td> <td>62</td> </tr> <tr> <td>White Spruce</td> <td>2</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	4	Log/Pole	10		Quaking Aspen	4	Pole	6		White Pine	90	Log/Pole/XLog	10	62	White Spruce	2	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>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Pole</td> </tr> <tr> <td>White Spruce</td> <td>Low</td> <td>< 5 feet</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	Black Cherry	Low	Variable	Sapling	White Pine	Low	Variable	Pole	White Spruce	Low	< 5 feet	Sapling	White Pine	Medium	Variable	Sapling																
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Maple	4	Log/Pole	10																																																													
Quaking Aspen	4	Pole	6																																																													
White Pine	90	Log/Pole/XLog	10	62																																																												
White Spruce	2	Pole/Log	8																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Black Cherry	Low	Variable	Sapling																																																													
White Pine	Low	Variable	Pole																																																													
White Spruce	Low	< 5 feet	Sapling																																																													
White Pine	Medium	Variable	Sapling																																																													
21	4119 - Mixed Northern Hardwoods	Sawtimber Poor	44.8	98	1-50	N/A	-This stand is part of a larger area which is routinely burned. Many of the trees are scorched on the bole and several were killed following the previous burn. -Little to no desired regeneration at all with the exception of a few localized areas where aspen is trying to sprout back.																																																									
<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>Ironwood</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>8</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Basswood</td> <td>2</td> <td>Log</td> <td>11</td> <td></td> </tr> <tr> <td>Beech</td> <td>3</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>52</td> <td>Log/Pole</td> <td>10</td> <td>98</td> </tr> <tr> <td>Red Oak</td> <td>15</td> <td>Log/XLog</td> <td>15</td> <td></td> </tr> <tr> <td>White Pine</td> <td>8</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>7</td> <td>Log</td> <td>13</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Ironwood	5	Pole	6		Sugar Maple	8	Pole/Log	9		Basswood	2	Log	11		Beech	3	Pole/Log	9		Red Maple	52	Log/Pole	10	98	Red Oak	15	Log/XLog	15		White Pine	8	Log/Pole	10		Bigtooth Aspen	7	Log	13		<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>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Blackberry/Raspberry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Ironwood	Medium	Variable	Sapling	Blackberry/Raspberry	Low	5 - 10 feet	Tall Shrub	Black Cherry	Low	< 5 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Ironwood	5	Pole	6																																																													
Sugar Maple	8	Pole/Log	9																																																													
Basswood	2	Log	11																																																													
Beech	3	Pole/Log	9																																																													
Red Maple	52	Log/Pole	10	98																																																												
Red Oak	15	Log/XLog	15																																																													
White Pine	8	Log/Pole	10																																																													
Bigtooth Aspen	7	Log	13																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Ironwood	Medium	Variable	Sapling																																																													
Blackberry/Raspberry	Low	5 - 10 feet	Tall Shrub																																																													
Black Cherry	Low	< 5 feet	Sapling																																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
22	4130 - Aspen	Poletimber Well	1.2	53	51-80	N/A	-Clump of hardwoods in the north end. -Two-ages of overstory aspen in the stand. Younger aspen is more dominant.																																																					
<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>71</td> <td>Pole/Log</td> <td>8</td> <td>53</td> </tr> <tr> <td>Basswood</td> <td>14</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>13</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	71	Pole/Log	8	53	Basswood	14	Log	12		Sugar Maple	13	Log/Pole	13		White Pine	2	Pole	7		<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>Ironwood</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>Variable</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Ironwood	Medium	Variable	Sapling	Black Cherry	Low	Variable	Tall Shrub																
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Bigtooth Aspen	71	Pole/Log	8	53																																																								
Basswood	14	Log	12																																																									
Sugar Maple	13	Log/Pole	13																																																									
White Pine	2	Pole	7																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																									
White Pine	Medium	Variable	Sapling																																																									
Ironwood	Medium	Variable	Sapling																																																									
Black Cherry	Low	Variable	Tall Shrub																																																									
24	42200 - Natural White Pine	Sawtimber Well	2.7	59	51-80	N/A	-Possibly planted? No records found but white pine appear to be oriented in rows in some locations. -Mature red oak, basswood, and beech were also mixed in but rare.																																																					
<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>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>10</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>80</td> <td>Log/Pole</td> <td>10</td> <td>59</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Log/Pole	10		Bigtooth Aspen	5	Log	14		Sugar Maple	10	Log	12		White Pine	80	Log/Pole	10	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>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Ironwood	High	Variable	Sapling																				
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Red Maple	5	Log/Pole	10																																																									
Bigtooth Aspen	5	Log	14																																																									
Sugar Maple	10	Log	12																																																									
White Pine	80	Log/Pole	10	59																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																									
White Pine	Medium	Variable	Sapling																																																									
Ironwood	High	Variable	Sapling																																																									
25	4119 - Mixed Northern Hardwoods	Sawtimber Well	19.9	104	111-140	N/A	-Leave as part of Green Timbers Old Growth Area. -6 BA plots were taken with an average of 124 sq. ft. per acre. -Other species that were present but rare included paper birch, yellow birch, hemlock, red oak, and white ash.																																																					
<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>Ironwood</td> <td>7</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>53</td> <td>Log/Pole</td> <td>13</td> <td>104</td> </tr> <tr> <td>Red Maple</td> <td>19</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>XLog</td> <td>20</td> <td></td> </tr> <tr> <td>Beech</td> <td>2</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>3</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>XLog/Log</td> <td>20</td> <td></td> </tr> <tr> <td>Basswood</td> <td>12</td> <td>Log</td> <td>15</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Ironwood	7	Pole/Sapling	7		Sugar Maple	53	Log/Pole	13	104	Red Maple	19	Log/Pole	11		Red Oak	2	XLog	20		Beech	2	Log/Pole	10		Bigtooth Aspen	3	Log/Pole	13		White Pine	2	XLog/Log	20		Basswood	12	Log	15		<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>Leatherwood</td> <td>Medium</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Ironwood</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Leatherwood	Medium	< 5 feet	Tall Shrub	Ironwood	High	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Ironwood	7	Pole/Sapling	7																																																									
Sugar Maple	53	Log/Pole	13	104																																																								
Red Maple	19	Log/Pole	11																																																									
Red Oak	2	XLog	20																																																									
Beech	2	Log/Pole	10																																																									
Bigtooth Aspen	3	Log/Pole	13																																																									
White Pine	2	XLog/Log	20																																																									
Basswood	12	Log	15																																																									
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Leatherwood	Medium	< 5 feet	Tall Shrub																																																									
Ironwood	High	Variable	Sapling																																																									
26	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Poor	21.6	97	51-80	N/A	-Portions of this stand lie on a relatively steep east-facing slope. -Stocking and quality of stand improves as you move north. White pine is mostly in the south half. Pockets of younger aspen (25 y.o.) mixed in with older aspen. Small pocket of red pine at the base of the hill in the NE part of the stand. -This stand is not part of the burn 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>Basswood</td> <td>2</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>25</td> <td>Log</td> <td>13</td> <td>97</td> </tr> <tr> <td>White Pine</td> <td>25</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>18</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Beech</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>15</td> <td>Pole/Log</td> <td>8</td> <td>35</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Basswood	2	Pole/Log	8		Red Oak	25	Log	13	97	White Pine	25	Pole/Log	9		Red Pine	5	Log	14		Red Maple	18	Pole/Log	8		Beech	2	Pole	7		Bigtooth Aspen	15	Pole/Log	8	35	<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>Medium</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	Ironwood	Medium	Variable	Sapling	White Pine	Medium	Variable	Sapling					
Canopy Species	% Cover	Size Class	DBH	Age																																																								
Basswood	2	Pole/Log	8																																																									
Red Oak	25	Log	13	97																																																								
White Pine	25	Pole/Log	9																																																									
Red Pine	5	Log	14																																																									
Red Maple	18	Pole/Log	8																																																									
Beech	2	Pole	7																																																									
Bigtooth Aspen	15	Pole/Log	8	35																																																								
Sub-Canopy Species	Density	Avg. Height	Size																																																									
Ironwood	Medium	Variable	Sapling																																																									
White Pine	Medium	Variable	Sapling																																																									



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

27 3303 - Mixed Low Density Trees Nonstocked 15.2 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	Full		Non-Wood
Red Pine	Low		Log
White Pine	Low		Log
Cladonia (Reindeer moss)	Low		Non-Wood
White Pine	Medium		Sapling
Black Cherry	Medium		Tall Shrub
Bracken Fern	High		Non-Wood

28 4130 - Aspen Poletimber Well 6.1 36 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Ironwood	5	Sapling	3	
Red Maple	2	Pole/Sapling	5	
White Ash	4	Pole/Sapling	5	
Bigtooth Aspen	70	Pole/Sap/Log	7	36
Balsam Poplar	4	Pole/Sapling	5	
Basswood	5	Log	11	
Sugar Maple	2	Log/Pole	12	
Balsam Fir	6	Pole	6	
White Pine	2	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
White Ash	Low	10 - 20 feet	Sapling
Balsam Fir	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Ironwood	High	10 - 20 feet	Sapling
White Spruce	Low	Variable	Sapling

-Stand clearcut in 1986 by D. Bunker and Son's Wood Pallets.
 -Stand is just over the pole-size threshold.
 -Scattered mature hardwoods throughout the stand.
 -Additional species that were present but rare included beech, hemlock, and balsam fir.
 -Stand lies on a relatively steep east-facing slope.- Looks like maybe an old landing St the north end of this stand. Autumn olive is present here, as well as an apple tree.

29 42200 - Natural White Pine Sawtimber Well 12.0 86 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Pole	8	
Red Maple	20	Log/Pole	10	86
Paper Birch	2	Log	13	
White Pine	72	Log/XLog	15	86
Quaking Aspen	4	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	10 - 20 feet	Sapling
Beech	Medium	Variable	Sapling
White Pine	Medium	>20 feet	Pole
Ironwood	High	Variable	Sapling
White Ash	Low	10 - 20 feet	Sapling
White Pine	High	Variable	Sapling

-At least a two-aged white pine stand. Some very large XL sized white pine that are at least as old as the 2nd age for the stand (106 years).
 -Other species that were present but rare included; white spruce, balsam fir, balsam poplar, red oak, and basswood.

30 6122 - Black Spruce Poletimber Poor 6.7 68 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	93	Pole/Sap/Log	6	68
Balsam Fir	2	Pole	6	
Tamarack	5	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	10 - 20 feet	Tall Shrub

-Poorly stocked stand.



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

31 6139 - Mixed Lowland Forest Poletimber Medium 11.6 109 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	6	Log/Pole	10	
White Spruce	8	Log	12	
Black Spruce	25	Pole/Log	8	109
Tamarack	2	Log	12	
Red Maple	18	Sapling/Pole	4	37
Black Ash	10	Sapling	2	
Balsam Fir	8	Pole/Sapling	5	
Paper Birch	8	Sapling/Pole	4	
Paper Birch	15	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Tag Alder	Medium	10 - 20 feet	Tall Shrub
White Ash	Low	10 - 20 feet	Sapling
Red Oak	Trace	>20 feet	Sapling
White Spruce	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling

-A portion of this stand (9 acres) was clearcut in 1986. Sale name "Spruce-itis." Scattered mature spruce, tamarack, and birch were left from the previous harvest. Appeared to be left in clumps. Saplings of various species have filled in gaps.
-All overstory ash has EAB and appears close to death.
-Pockets of mortality in the mature tamarack. Unsure of cause (likely Eastern Larch Beetle).

32 6111 - Lowland Balsam Poplar Poletimber Medium 10.5 49 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Pole/Sapling	7	
Quaking Aspen	8	Pole	6	
Balsam Fir	10	Pole	7	
White Spruce	15	Log/Pole	11	
Balsam Poplar	40	Pole/Sapling	5	49
Basswood	2	Log/Pole	12	
White Pine	3	Pole/Log	8	
Red Maple	5	Pole/Sapling	7	
Black Ash	2	Pole	8	
Paper Birch	5	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	10 - 20 feet	Sapling
Black Ash	Low	10 - 20 feet	Sapling
White Spruce	Medium	Variable	Sapling
Tag Alder	High	10 - 20 feet	Tall Shrub
Balsam Fir	High	Variable	Sapling

-Mix of stocking and sizes in this stand. Varies from a sapling/alder stand to a pole/log stand.
-Most of the ash has EAB.

33 3302 - Low Density Conifer Trees Nonstocked 4.8 No

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Trace		Pole
White Pine	Low		Log
White Pine	Medium		Sapling
Black Cherry	Medium		Tall Shrub
Mixed Grasses	High		Non-Wood
Balsam Fir	Trace		Pole
Red Maple	Trace		Pole
Bracken Fern	Full		Non-Wood
Black Spruce	Low		Pole

-Stand lies on a ridge, surrounded by wetlands on all sides.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
34	6120 - Lowland Cedar	Sawtimber Well	190.7	149	171-200	N/A	-Did not visit interior of stand between Club Stream and Sturgeon River. Aerial imagery appears to be consistent throughout stand. -Some areas with large cedar (20"+ DBH). -Scattered pockets of cedar mortality in areas where the ground is wetter. -Not much ash but most of it is dead due to EAB. -Other species that were present but rare included ash, quaking aspen, BAM, basswood, and red maple.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		2	Log/Pole	11		Balsam Fir	
White Pine		2	XLog	20		Medium	
Balsam Fir		3	Pole/Sapling	6		Variable	
Black Spruce		6	Pole/Sapling	6		Sapling	
Northern White Cedar		78	Log/Pole/XLog	13	149	White Spruce	
White Spruce		7	Log/Pole	11	119	Low	
Paper Birch		2	Log/Pole	10		Variable	
						Tall Shrub	
35	4131 - Aspen, Oak	Sawtimber Well	11.2	99		N/A	-Recommend leaving as part of the Green Timbers Old Growth Area. -Stand lies along a steep slope. -Oak becomes more common in the N half. -Other species that were present but rare included white pine, red pine, and white spruce.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		5	Log/Pole	12		White Pine	
Red Oak		20	Log/Pole	13		Medium	
Bigtooth Aspen		68	Log/Pole	13	99	Variable	
White Pine		5	Log/Pole	10		Sapling	
Red Maple		2	Pole/Log	9		Balsam Fir	
						Medium	
						Variable	
						Sapling	
						White Spruce	
						Low	
						< 5 feet	
						Sapling	
						Red Maple	
						Low	
						Variable	
						Sapling	
						Black Cherry	
						Low	
						Variable	
						Sapling	
36	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Well	13.1	138	111-140	N/A	-Very unique upland cedar/hemlock stand lying along a steep westward facing slope. -Several seepages present throughout the stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		16	Log/XLog	16		Balsam Fir	
Red Pine		3	Log	14		Medium	
Red Maple		2	Pole	8		Variable	
Hemlock		20	Pole/Log	8		Sapling	
White Spruce		5	Log/Pole	11			
Balsam Poplar		2	Pole	8			
Northern White Cedar		50	Log/Pole	11	138		
Paper Birch		2	Pole	8			
37	4123 - Red Oak	Sawtimber Well	41.9	91	81-110	N/A	-Stand lies on a steep west-facing slope. -Other species that were present but rare included white pine, balsam fir, white spruce, and paper birch.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		70	Log/Pole	13	91	White Pine	
Bigtooth Aspen		15	Log/Pole	11		High	
Red Pine		5	Log	14		5 - 10 feet	
Red Maple		10	Pole	7		Sapling	
						Red Maple	
						High	
						>20 feet	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
38	4123 - Red Oak	Sawtimber Medium	27.9	101	81-110	N/A	-Two-aged stand of mature oak and sapling sized red maple and aspen. Variable stand density. Past harvest likely removed all red maple and aspen, similar to stand 42 at south end of compartment. Majority of the red maple regen is from stump sprouting. Aspen tends to be more prevalent on the edges of the stand, in the transition areas to adjacent stands.-pocket of mature red and white pine along the west edge where the ridge slopes down to the river valley.-Honeymoon cabin is located on the western end of this 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>Bigtooth Aspen</td> <td>5</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>3</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>8</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>80</td> <td>Log/Pole</td> <td>13</td> <td>101</td> </tr> <tr> <td>White Pine</td> <td>4</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	5	Pole/Sapling	6		Red Maple	3	Pole/Sapling	5		Red Pine	8	Pole/Log	8		Red Oak	80	Log/Pole	13	101	White Pine	4	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>Bigtooth Aspen</td> <td>High</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>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	High	Variable	Sapling	Red Maple	High	Variable	Sapling	White Pine	Medium	Variable	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Bigtooth Aspen	5	Pole/Sapling	6																																																											
Red Maple	3	Pole/Sapling	5																																																											
Red Pine	8	Pole/Log	8																																																											
Red Oak	80	Log/Pole	13	101																																																										
White Pine	4	Log/Pole	10																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Bigtooth Aspen	High	Variable	Sapling																																																											
Red Maple	High	Variable	Sapling																																																											
White Pine	Medium	Variable	Sapling																																																											
39	42290 - Natural Mixed Pine	Sawtimber Well	13.1	86	171-200	N/A	-Lower Green Timbers Cabin is located in the south end of this stand. -Two-aged pine stand. -Trail runs through 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>Scotch Pine</td> <td>5</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>20</td> <td>Log</td> <td>15</td> <td>121</td> </tr> <tr> <td>Red Maple</td> <td>8</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>4</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>53</td> <td>Log/Pole/XLog</td> <td>14</td> <td>86</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Scotch Pine	5	Pole/Log	8		Red Pine	20	Log	15	121	Red Maple	8	Pole/Log	9		Bigtooth Aspen	4	Log/Pole	13		Red Oak	10	Log	14		White Pine	53	Log/Pole/XLog	14	86	<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>Red Maple</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Scotch Pine</td> <td>Trace</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 Maple	Medium	Variable	Sapling	Red Maple	Low	>20 feet	Pole	Northern White Cedar	Low	>20 feet	Pole	Scotch Pine	Trace	Variable	Sapling	White Pine	Medium	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Scotch Pine	5	Pole/Log	8																																																											
Red Pine	20	Log	15	121																																																										
Red Maple	8	Pole/Log	9																																																											
Bigtooth Aspen	4	Log/Pole	13																																																											
Red Oak	10	Log	14																																																											
White Pine	53	Log/Pole/XLog	14	86																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Medium	Variable	Sapling																																																											
Red Maple	Low	>20 feet	Pole																																																											
Northern White Cedar	Low	>20 feet	Pole																																																											
Scotch Pine	Trace	Variable	Sapling																																																											
White Pine	Medium	Variable	Sapling																																																											
40	4123 - Red Oak	Sawtimber Well	6.2	99	81-110	N/A	-This area was excluded from the Ridgeline Oak sale that was cut to the north. -Medium site quality but areas with high quality oak. Habitat type likely a higher-end PARVHa. -Some XL sized oak scattered throughout suggest a two-aged stand. -Planted red pine in the thin sliver at the south end. -Trace of white oak.																																																							
<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>77</td> <td>Log/Pole/XLog</td> <td>14</td> <td>99</td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>6</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>9</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>3</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	77	Log/Pole/XLog	14	99	Red Maple	5	Pole	7		Bigtooth Aspen	6	Log/Pole	11		Red Pine	9	Log/Pole	12		White Pine	3	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 Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	White Pine	Medium	5 - 10 feet	Sapling																	
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Oak	77	Log/Pole/XLog	14	99																																																										
Red Maple	5	Pole	7																																																											
Bigtooth Aspen	6	Log/Pole	11																																																											
Red Pine	9	Log/Pole	12																																																											
White Pine	3	Log/Pole	10																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Medium	Variable	Sapling																																																											
White Pine	Medium	5 - 10 feet	Sapling																																																											
41	3205 - Mixed Upland Shrub	Nonstocked	3.9			No																																																								
		<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>Blueberry/Bilberry/Cranberry</td> <td>Low</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td></td> <td>Pole</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td></td> <td>Pole</td> </tr> <tr> <td>Sweet Fern</td> <td>High</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>High</td> <td></td> <td>Tall Shrub</td> </tr> <tr> <td>Cladonia (Reindeer moss)</td> <td>Low</td> <td></td> <td>Non-Wood</td> </tr> <tr> <td>Jack Pine</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Mixed Grasses</td> <td>Full</td> <td></td> <td>Non-Wood</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Blueberry/Bilberry/Cranberry	Low		Tall Shrub	Quaking Aspen	Low		Pole	Jack Pine	Low		Pole	Sweet Fern	High		Tall Shrub	White Pine	Trace		Sapling	Black Cherry	High		Tall Shrub	Cladonia (Reindeer moss)	Low		Non-Wood	Jack Pine	Trace		Sapling	Mixed Grasses	Full		Non-Wood																			
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Blueberry/Bilberry/Cranberry	Low		Tall Shrub																																																											
Quaking Aspen	Low		Pole																																																											
Jack Pine	Low		Pole																																																											
Sweet Fern	High		Tall Shrub																																																											
White Pine	Trace		Sapling																																																											
Black Cherry	High		Tall Shrub																																																											
Cladonia (Reindeer moss)	Low		Non-Wood																																																											
Jack Pine	Trace		Sapling																																																											
Mixed Grasses	Full		Non-Wood																																																											
42	42110 - Planted Red Pine	Sawtimber Well	5.4	71	141-170	N/A	-Short and limby red pine. -Understory mostly moss, grass, and sweetfern. - Delay treatment one inventory cycle. Small acreage stand likely ready for harvest but would likely hold off till adjacent jack pine stand (S45) is ready to harvest, and then harvest both stands at that time. Likely S50 and S46 would be ready by then as well.																																																							
<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>96</td> <td>Log/Pole</td> <td>13</td> <td>71</td> </tr> <tr> <td>Jack Pine</td> <td>4</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	96	Log/Pole	13	71	Jack Pine	4	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>Black Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	5 - 10 feet	Sapling																																				
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Pine	96	Log/Pole	13	71																																																										
Jack Pine	4	Pole/Log	8																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Black Cherry	Low	5 - 10 feet	Sapling																																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments									
43	3205 - Mixed Upland Shrub	Nonstocked	11.6		Immature	No	-Jack pine, white pine, and aspen slowing filling in. Even some aspen/balsam poplar are beginning to creep into the stand. Black cherry is a heavy component as well.									
								Sub-Canopy Species	Density	Avg. Height	Size					
								Black Cherry	High		Tall Shrub					
								Mixed Grasses	Medium		Non-Wood					
								Sweet Fern	High		Tall Shrub					
								White Pine	Low		Sapling					
								Bigtooth Aspen	Low		Sapling					
								White Pine	Low		Pole					
								Jack Pine	Low		Pole					
								Jack Pine	Low		Sapling					
Bracken Fern	Low		Non-Wood													
44	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	26.8	96	111-140	N/A	-Red pine is more common in the east half, white pine more common in the west half. Red pine possibly planted?-Other species that were present but rare included paper birch, balsam fir, white spruce, hemlock, and cedar.\-A small cedar seep is present.-Steep slopes present throughout stand.-Heavy browse damage on red maple understory.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								Bigtooth Aspen	9	Log	14		White Spruce	Low	Variable	Sapling
								White Pine	30	Log	14		Black Cherry	Low	Variable	Sapling
								Red Pine	30	Log/Pole	13	96	Red Maple	Medium	< 5 feet	Seeding
								Red Maple	10	Pole/Log	9		White Pine	Low	>20 feet	Pole
								Red Oak	21	Log	14		Red Pine	Low	>20 feet	Sapling
													Red Maple	Low	>20 feet	Pole
													White Pine	High	Variable	Sapling
45	42220 - Natural Jack Pine	Poletimber Medium	61.7	36	1-50	N/A	-Majority of this stand was clearcut from 1986-1988. All oak and 1 stick trees were left. A thin strip of J1 which runs down the center of the stand was excluded from the harvest. Sale name "Goosneck Jack Pine," cut by Kapalla Logging. -As a result of the harvest listed above, this stand is two-aged and the jack pine is quite variable in size and stocking density. Most of the jack pine is in the pole/sap class but some pockets throughout of mature jack pine (2nd age for this stand is from a mature JP). There is also a pocket of mature oak in the northern part of this stand. -The stand becomes much more open along the edges with many open-grown and limby stems. -Other species that were present but rare included white pine, white spruce, red maple, and white oak.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								Red Oak	3	Log/XLog	16		White Pine	Low	Variable	Sapling
								Red Pine	2	Log/XLog	16	71	Red Pine	Low	Variable	Sapling
								Jack Pine	93	Pole/Sap/Log	7	36	Jack Pine	Low	Variable	Sapling
								Quaking Aspen	2	Pole/Sapling	5		Black Cherry	High	5 - 10 feet	Tall Shrub
46	4123 - Red Oak	Sawtimber Medium	54.8	112	51-80	N/A	-Two-aged stand that is highly variable in stocking density. Varies from pure aspen saplings to oak shelterwood. Previous harvest removed all species except oak and pine (Blueberry Hill Aspen, 1995).-Heavy browse on red maple regeneration. A few white oak saplings have made it past browsing level but they are rare.-White pine regeneration more abundant in the west 1/2 of the stand.-NW finger of stand has quite a bit of mature RP and WP.									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								Red Oak	82	Log/XLog	14	112	White Oak	Trace	10 - 20 feet	Sapling
								Bigtooth Aspen	8	Sapling/Pole	4		Black Cherry	Low	Variable	Sapling
								White Pine	8	Pole/Sap/Log	6		White Pine	Medium	Variable	Sapling
								Red Pine	2	Log/XLog	16		Red Maple	High	Variable	Sapling
													White Spruce	Trace	5 - 10 feet	Sapling
													Bigtooth Aspen	Full	Variable	Sapling



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

47 42220 - Natural Jack Pine Poletimber Medium 6.4 25 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Pole	8		Sweet Fern	Medium		Tall Shrub
Jack Pine	70	Pole/Sapling	5	25	Red Maple	Trace	Variable	Sapling
White Pine	5	Pole/Sapling	5		Black Cherry	High	Variable	Tall Shrub
Black Cherry	20	Sapling/Pole	4		Bracken Fern	Medium		Non-Wood
					Mixed Grasses	High		Non-Wood
					Jack Pine	Low	Variable	Sapling

48 3105 - Mixed Upland Herbaceous Nonstocked 1.2 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	Trace	>20 feet	Sapling
Mixed Grasses	Full		Non-Wood
Black Cherry	Medium	10 - 20 feet	Sapling
Cladonia (Reindeer moss)	Low		Non-Wood
Sweet Fern	Low		Tall Shrub

49 4131 - Aspen, Oak Poletimber Medium 7.1 39 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	1		White Oak	Trace	>20 feet	Sapling
White Pine	5	Pole	6		Red Maple	Medium	< 5 feet	Sapling
Bigtooth Aspen	55	Pole/Sapling	5	39	Black Cherry	Medium	10 - 20 feet	Sapling
Jack Pine	5	Pole	6		White Pine	Medium	Variable	Sapling
Red Oak	25	Log	14	96	Jack Pine	Low	>20 feet	Sapling

-Stocking density much lower in the south half, but lower stocking has a lower aspen to put on more diameter. To the north where stocking is high, a lot more sub merch stems exist.
-Another one of these stands where all the red maple, jack pine, and aspen was removed and all oak was left.

50 42221 - Natural Jack Pine, Mixed Deciduous Poletimber Well 12.5 39 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole/Sapling	5		Black Cherry	Medium	Variable	Sapling
Bigtooth Aspen	30	Pole/Sapling	5		White Pine	Medium	Variable	Sapling
Red Oak	5	Log/XLog	17		Red Maple	Medium	Variable	Sapling

-Areas of thick jack pine, especially along the south edge of the stand. Stand is getting close to being ready for harvest but could benefit from another 10 years of growth. Still a decent amount of sub merch stems prevalent in the stand, and those that are merch have ~2 sticks in them. Diameters are highly variable throughout the stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
51	4123 - Red Oak	Sawtimber Poor	36.1	99	1-50	N/A	2016 Stand harvested as part of Ridgeline Oak, #53-004-15-01, bought and cut by AJD in fall of 2016. Whole-tree harvest, quite a bit of scarification, minimal damage. Residual ba/acre = 32 square feet. A post-harvest scarification treatment was agreed to at Comp Review but this treatment was dropped after making a site visit. Continue to monitor regeneration success. Browse pressure is very high in the stand. A few oak stump sprouts may survive but likely not very many. -Medium site quality but areas with high quality oak. Habitat type likely a higher-end PARVHa. -Some XL sized oak scattered throughout suggest a two-aged stand. -White pine regeneration more abundant in the south half. Red maple saplings more abundant in the north half. -Most of the aspen is located in small pockets along the western and eastern ridgelines. -Other species that were present but rare included red pine, white spruce, and white oak.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	2	Log	11		Red Maple	High		Variable	Sapling
Red Oak	92	Log	14	99	Red Oak	Low		< 5 feet	Sapling
Bigtooth Aspen	5	Log	11		White Pine	Medium		< 5 feet	Sapling
Red Pine	1	Log	15		Black Cherry	Low	< 5 feet	Sapling	
52	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	5.9	96	51-80	N/A	-White oak trying to regenerate in some areas, mostly wiped out by browsing but a few have made it. Red maple has also been heavily browsed.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	7	Log/XLog	15		Red Maple	Low		Variable	Sapling
White Oak	3	Log	14		White Pine	Medium		Variable	Sapling
Red Maple	5	Pole	8		Bigtooth Aspen	Medium		Variable	Sapling
Red Oak	45	Log	14	96	Witch Hazel	Medium	5 - 10 feet	Tall Shrub	
Bigtooth Aspen	10	Pole/Sapling	5		Red Oak	Trace	>20 feet	Sapling	
White Pine	30	Log/Pole/XLog	14		White Oak	Trace	10 - 20 feet	Sapling	
53	4123 - Red Oak	Sawtimber Medium	3.3	106	1-50	N/A	-Two-aged stand. Previous harvest likely removed all aspen and red maple. Retain the overstory for now. Consider other options when aspen matures. -Oak and red maple are being heavily browsed upon in the understory. -Red oak site index = 52 for a 13" DBH, 95 year old tree, 76 feet tall.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	10	Sapling/Pole	3	36	White Pine	Low		Variable	Sapling
Red Oak	90	Log	14	106	Red Pine	High		Variable	Sapling
					Red Maple	Low		Variable	Sapling
					Bigtooth Aspen	High	Variable	Sapling	
					Jack Pine	Medium	Variable	Sapling	
54	4130 - Aspen	Poletimber Well	1.9	39	1-50	N/A			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Oak	5	Log	14		Witch Hazel	Low		5 - 10 feet	Tall Shrub
Bigtooth Aspen	95	Pole/Sapling	5	39	White Pine	Medium	< 5 feet	Sapling	
					Red Maple	Low	Variable	Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
55	4130 - Aspen	Poletimber Well	6.4	40	1-50	N/A	-Just emerging as a pole stand. A few scattered log-size RP and WP in addition to the oak. Still quite a few sub merch stems in this stand. Reassess next inventory cycle to see if ready for harvest. Or see if ready once adjacent S60 in C30 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>White Pine</td> <td>3</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>7</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>67</td> <td>Pole/Sapling</td> <td>5</td> <td>40</td> </tr> <tr> <td>Red Oak</td> <td>18</td> <td>Log/XLog</td> <td>16</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	3	Pole/Sapling	6		Jack Pine	7	Pole/Sapling	5		Bigtooth Aspen	67	Pole/Sapling	5	40	Red Oak	18	Log/XLog	16		Red Maple	5	Sapling/Pole	4		<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> <tr> <td>White Oak</td> <td>Trace</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Red Maple	Low	Variable	Sapling	White Oak	Trace	>20 feet	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Pine	3	Pole/Sapling	6																																																											
Jack Pine	7	Pole/Sapling	5																																																											
Bigtooth Aspen	67	Pole/Sapling	5	40																																																										
Red Oak	18	Log/XLog	16																																																											
Red Maple	5	Sapling/Pole	4																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
White Pine	Medium	Variable	Sapling																																																											
Red Maple	Low	Variable	Sapling																																																											
White Oak	Trace	>20 feet	Sapling																																																											
56	4123 - Red Oak	Sawtimber Well	4.5	77	111-140	N/A	-More aspen and less pine distinguishes this stand from the adjacent stand 50. -Aspen concentrated along steep slopes in southern half.																																																							
<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>11</td> <td></td> </tr> <tr> <td>White Oak</td> <td>2</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>74</td> <td>Log/Pole</td> <td>13</td> <td>77</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>4</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	10	Log/Pole	11		White Oak	2	Log/Pole	10		Red Oak	74	Log/Pole	13	77	Red Maple	10	Pole/Sapling	7		Red Pine	4	Log	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>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> <tr> <td>Red Pine</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	Red Pine	Low	Variable	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Bigtooth Aspen	10	Log/Pole	11																																																											
White Oak	2	Log/Pole	10																																																											
Red Oak	74	Log/Pole	13	77																																																										
Red Maple	10	Pole/Sapling	7																																																											
Red Pine	4	Log	12																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
White Pine	Medium	Variable	Sapling																																																											
Red Maple	Low	Variable	Sapling																																																											
Red Pine	Low	Variable	Sapling																																																											
57	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	15.6	78	1-50	N/A	-Variable stand. SE 1/2 of stand very open. Pockets of sapling sized trees mixed in throughout.-Trail runs through 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>20</td> <td>Log/Pole/XLog</td> <td>13</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>6</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>6</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>50</td> <td>Log/Pole/XLog</td> <td>14</td> <td>78</td> </tr> <tr> <td>Red Pine</td> <td>16</td> <td>Log</td> <td>13</td> <td></td> </tr> <tr> <td>White Oak</td> <td>2</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	20	Log/Pole/XLog	13		Red Maple	6	Pole/Sapling	7		Bigtooth Aspen	6	Pole/Sapling	7		Red Oak	50	Log/Pole/XLog	14	78	Red Pine	16	Log	13		White Oak	2	Log	14		<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>White 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>Cladonia (Reindeer moss)</td> <td>Low</td> <td>Unspecified</td> <td>Non-Wood</td> </tr> <tr> <td>White Pine</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Sapling	White Oak	Low	Variable	Sapling	Red Maple	Medium	Variable	Sapling	Cladonia (Reindeer moss)	Low	Unspecified	Non-Wood	White Pine	High	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Pine	20	Log/Pole/XLog	13																																																											
Red Maple	6	Pole/Sapling	7																																																											
Bigtooth Aspen	6	Pole/Sapling	7																																																											
Red Oak	50	Log/Pole/XLog	14	78																																																										
Red Pine	16	Log	13																																																											
White Oak	2	Log	14																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Pine	Low	Variable	Sapling																																																											
White Oak	Low	Variable	Sapling																																																											
Red Maple	Medium	Variable	Sapling																																																											
Cladonia (Reindeer moss)	Low	Unspecified	Non-Wood																																																											
White Pine	High	10 - 20 feet	Sapling																																																											
58	4130 - Aspen	Poletimber Well	7.1	40	1-50	N/A	-Some larger RP and WP mixed in as well. Still quite a few sapling stems amongst the aspen. Especially where oak is more dense. Likely to be ready come next inventory cycle, or when adjacent S60 from C30 is ready to harvest. Likely also try to harvest S55 at the same 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>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>80</td> <td>Pole/Sapling</td> <td>6</td> <td>40</td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>13</td> <td>Log/XLog</td> <td>16</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	1		Bigtooth Aspen	80	Pole/Sapling	6	40	Jack Pine	2	Sapling	3		Red Oak	13	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>Black Cherry</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> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Low	Variable	Sapling	White Pine	Medium	Variable	Sapling	Beech	Low	Variable	Sapling	Red Maple	Medium	5 - 10 feet	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Maple	5	Sapling	1																																																											
Bigtooth Aspen	80	Pole/Sapling	6	40																																																										
Jack Pine	2	Sapling	3																																																											
Red Oak	13	Log/XLog	16																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Black Cherry	Low	Variable	Sapling																																																											
White Pine	Medium	Variable	Sapling																																																											
Beech	Low	Variable	Sapling																																																											
Red Maple	Medium	5 - 10 feet	Sapling																																																											
59	6120 - Lowland Cedar	Sawtimber Poor	4.0	96		N/A	-Large beaver dam on Pickerel Creek near the south end of this stand. All trees are dead to the north of this beaver dam, with the exception of some live conifers along the perimeter.																																																							
<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>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>78</td> <td>Log/Pole</td> <td>12</td> <td>96</td> </tr> <tr> <td>White Spruce</td> <td>2</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Log/Pole	10		Paper Birch	10	Log/Pole	10		Northern White Cedar	78	Log/Pole	12	96	White Spruce	2	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 Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>10 - 20 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Low	Variable	Sapling	Tag Alder	Low	10 - 20 feet	Tall Shrub																						
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Maple	10	Log/Pole	10																																																											
Paper Birch	10	Log/Pole	10																																																											
Northern White Cedar	78	Log/Pole	12	96																																																										
White Spruce	2	Log/Pole	10																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
White Spruce	Low	Variable	Sapling																																																											
Tag Alder	Low	10 - 20 feet	Tall Shrub																																																											



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

60	4123 - Red Oak	Sawtimber Poor	10.5	108	1-50	N/A		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	18	Log	12		Red Maple	Medium	< 5 feet	Sapling
White Pine	1	Log	14		White Pine	Medium	< 5 feet	Sapling
Bigtooth Aspen	4	Log	12		Red Oak	Low	Variable	Sapling
Red Oak	73	Log	13	108				
Red Pine	4	Log/XLog	17					

One year following the below notes, some oak regeneration is still persisting. More encouraging than other oak sites I've seen, despite still evidence of browse pressure in the area. Oak regen still not above browse line, so continued monitoring required. post harvest observtion: 2016 Stand harvested as part of Ridgeline Oak, #53-004-15-01, bought and cut by AJD in fall of 2016. Whole-tree harvest, quite a bit of scarification, minimal damage. Residual ba/acre = 24 square feet. A post-harvest scarification treatment was agreed to at Comp Review but this treatment was dropped after making a site visit. Continue to monitor regeneration success. Browse pressure is very high in the stand.

- Medium site quality. Habitat type lower end PArVHa (not much witch hazel, no maple-leaved viburnum).
- Not much red maple competition in the understory.
- Other species that were present but rare included paper birch and jack pine.
- Red oak site index=56 , for a 14" DBH tree, 76 feet tall, 97 years old.