



Compartment Review Presentation

Pigeon River Country Forest Management Unit

Compartment 53025

Entry Year 2022

Acreage: 1,859

County Cheboygan

Management Area: Pigeon River Country

Revision Date: 2020-07-16

Stand Examiner: Richard McDonald

Legal Description:

T33N - R01E Sections: 16,17,18

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:

Terrain is flat to gently rolling with the uplands comprised of primarily Au Gres-Rubicon-Roscommon Assoc. Tawas-Lupton make up the majority of the lowland areas.

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

Predominantly state-owned land.

Unique Natural Features:

Non identified.

Archeological, Historical, and Cultural Features:

None identified.

Special Management Designations or Considerations:

None identified.

Watershed and Fisheries Considerations:

McMasters Creek flows through the west end of the compartment and into the Black River. There is periodic beaver activity along this waterway. The Black River flows through the southeast portion of the compartment.

Wildlife Habitat Considerations:

Please refer to Wildlife Biologist's comments.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 100 and 400 feet, thickening to the west. Beneath the glacial drift is the Devonian Antrim Shale and Traverse Group, quarried for clay/shale and limestone elsewhere in the state. The nearest gravel pit is located four miles to the northeast and potential is considered low in this area. No oil and gas leases remain after 2001. This area is just north of the producing Guelph (Niagaran) reef trend and may also have limited Antrim Shale potential. Consistent with the objectives of the Concept of Management, there are no plans to engage in mining activities (sand, gravel, stone, etc.) or oil and gas development in this compartment.

Vehicle Access:

There is good access to most of the compartment. Most of the forest roads, however, have been closed to wheeled motorized vehicles with virtually all those closures still intact.

Survey Needs:

None required.

Recreational Facilities and Opportunities:

No developed recreational facilities exist in this compartment and none are needed.

Fire Protection:

Access is generally good in case of any fire suppression efforts, though the area is generally at low risk to any wildfire potential. Most closed road systems are done so with berms. The road entering section 18 has a gate with the usual wildlife lock.

Additional Compartment Information:

The following reports from the Inventory are attached:

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

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

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

Report 1 – Total Acres by Cover Type and Age Class

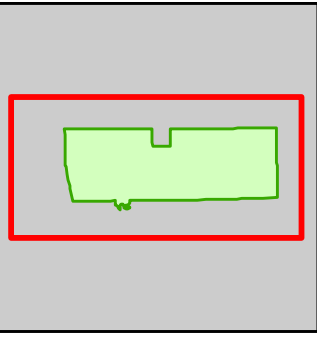


Age Class

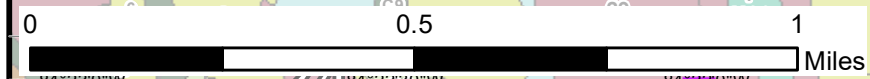
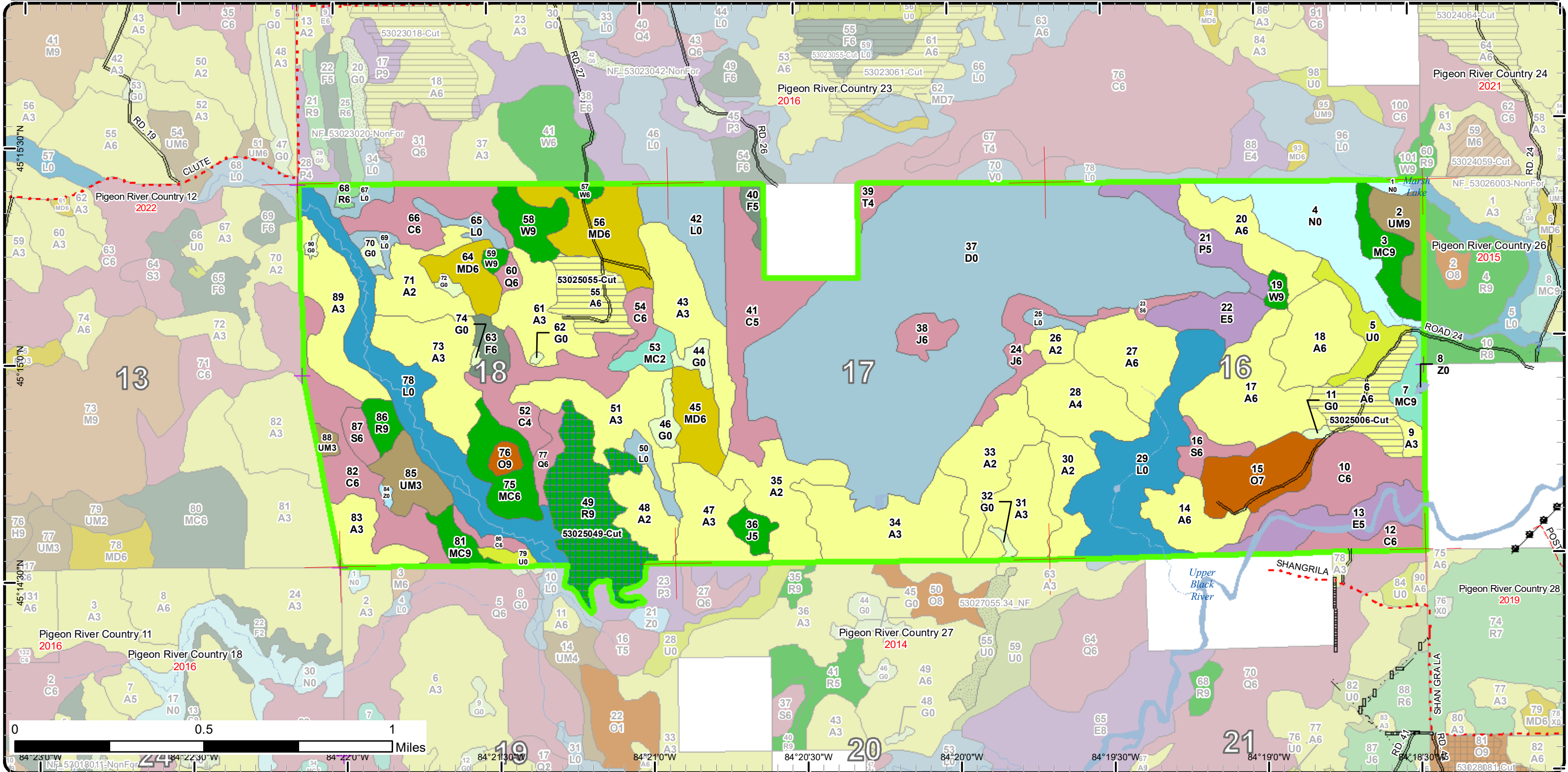
	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	64	0	65	410	87	0	22	0	0	0	0	0	0	0	0	0	0	648
Cedar	0	0	0	0	0	0	0	0	0	29	12	0	52	67	33	0	0	0	192
Herbaceous Openland	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Jack Pine	0	0	0	0	6	0	0	0	16	0	0	9	0	0	0	0	0	0	31
Low-Density Trees	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Lowland Conifers	0	0	0	0	0	0	0	0	3	7	0	0	0	0	0	0	0	0	10
Lowland Deciduous	0	0	0	0	0	0	0	0	18	28	0	0	0	0	0	0	0	0	46
Lowland Shrub	174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	174
Lowland Spruce/Fir	0	0	0	0	0	0	0	2	8	0	6	0	0	0	0	0	0	0	16
Marsh	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Mixed Upland Deciduous	0	0	0	0	0	0	47	18	0	0	0	0	0	0	0	0	0	0	64
Natural Mixed Pines	0	0	0	0	0	0	0	0	20	16	0	0	0	0	0	0	0	8	44
Oak	0	0	0	0	0	0	0	28	0	0	0	4	0	0	0	0	0	0	32
Red Pine	0	0	0	0	0	2	0	0	0	0	0	54	7	0	0	0	0	0	63
Tamarack	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
Treed Bog	344	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	344
Upland Conifers	0	0	0	7	0	0	0	0	0	9	0	0	0	0	0	0	0	0	16
Upland Mixed Forest	0	0	0	0	19	0	0	0	0	15	0	0	0	0	0	0	0	0	34
Upland Spruce/Fir	0	0	0	0	0	5	8	0	0	0	0	0	0	0	0	0	0	0	12
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	0	0	2	0	0	0	3	17	0	0	0	0	0	22
Total	604	64	0	72	435	87	54	48	48	95	87	20	113	91	33	0	0	8	1856

Cover Type & Treatments Map

Compartment: 25
 T33N, R01E, Sec: 16, 17, 18
 County: Cheboygan
 Unit: Pigeon River Country
 Mgmt Area: Pigeon River Country
 YOE: 2022
 Acres: 1858.7 GIS Calculated
 Examiner: Richard McDonald
 Map Revised: 3/1/2021
 Map Phase: Post-Review



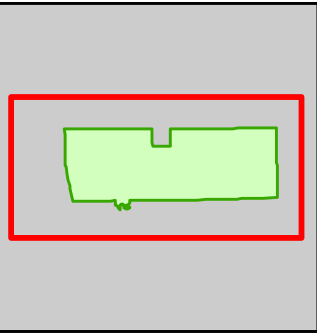
- Miris Corners
- ✚ Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- - - County - Gravel Road
- · - · County - Dirt Road (Seasonal)
- Culvert
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



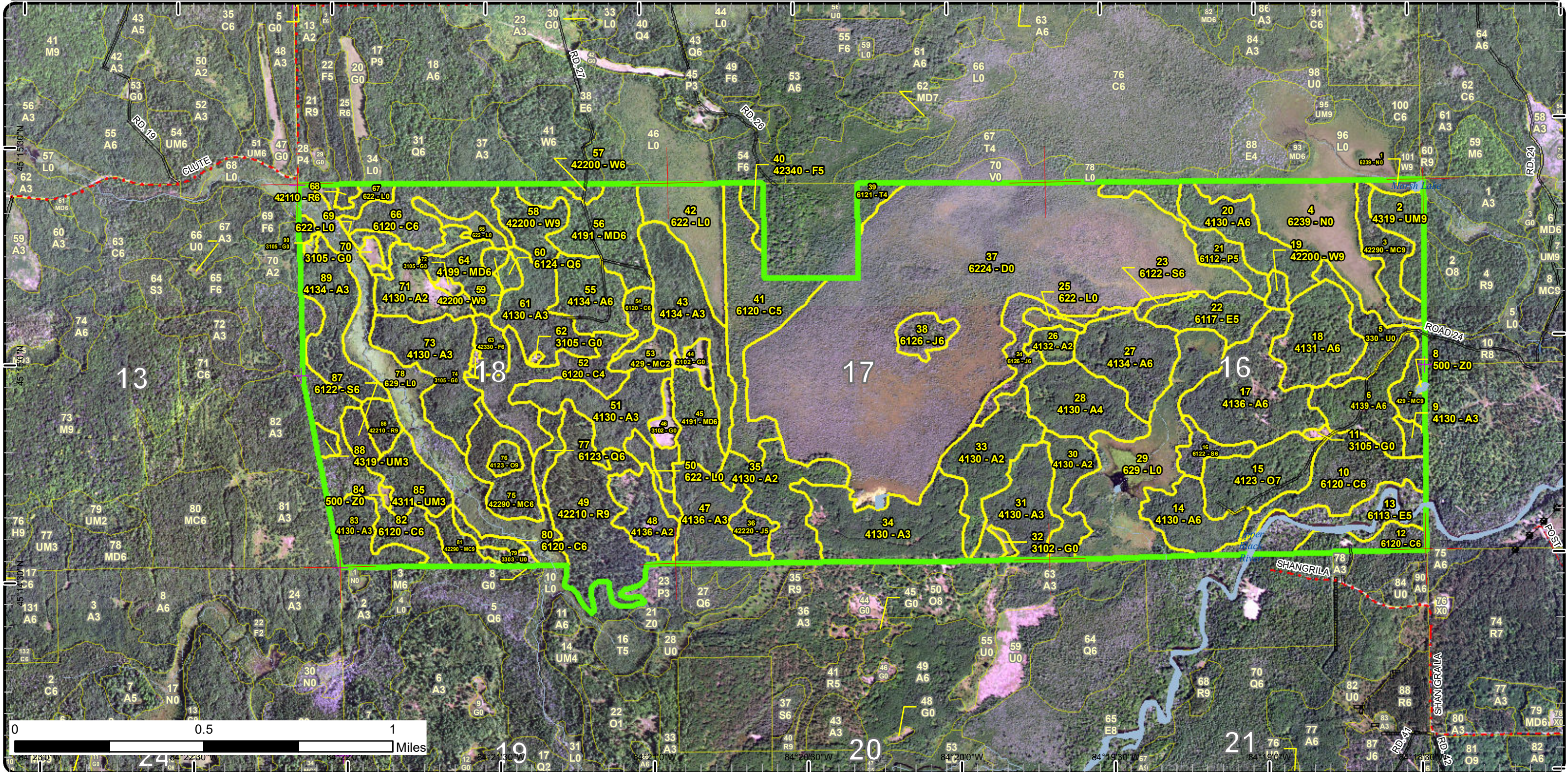
84°23'0"W 84°22'30"W 84°22'0"W 84°21'30"W 84°21'0"W 84°20'30"W 84°20'0"W 84°19'30"W 84°19'0"W

Stand Boundary Map

Compartment: 25
 T33N, R01E, Sec: 16, 17, 18
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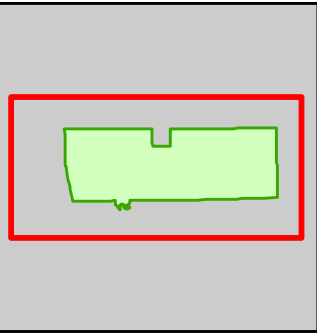


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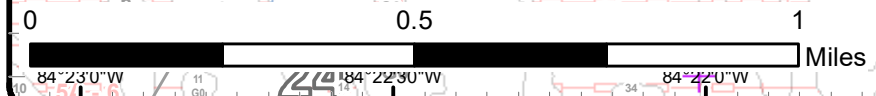
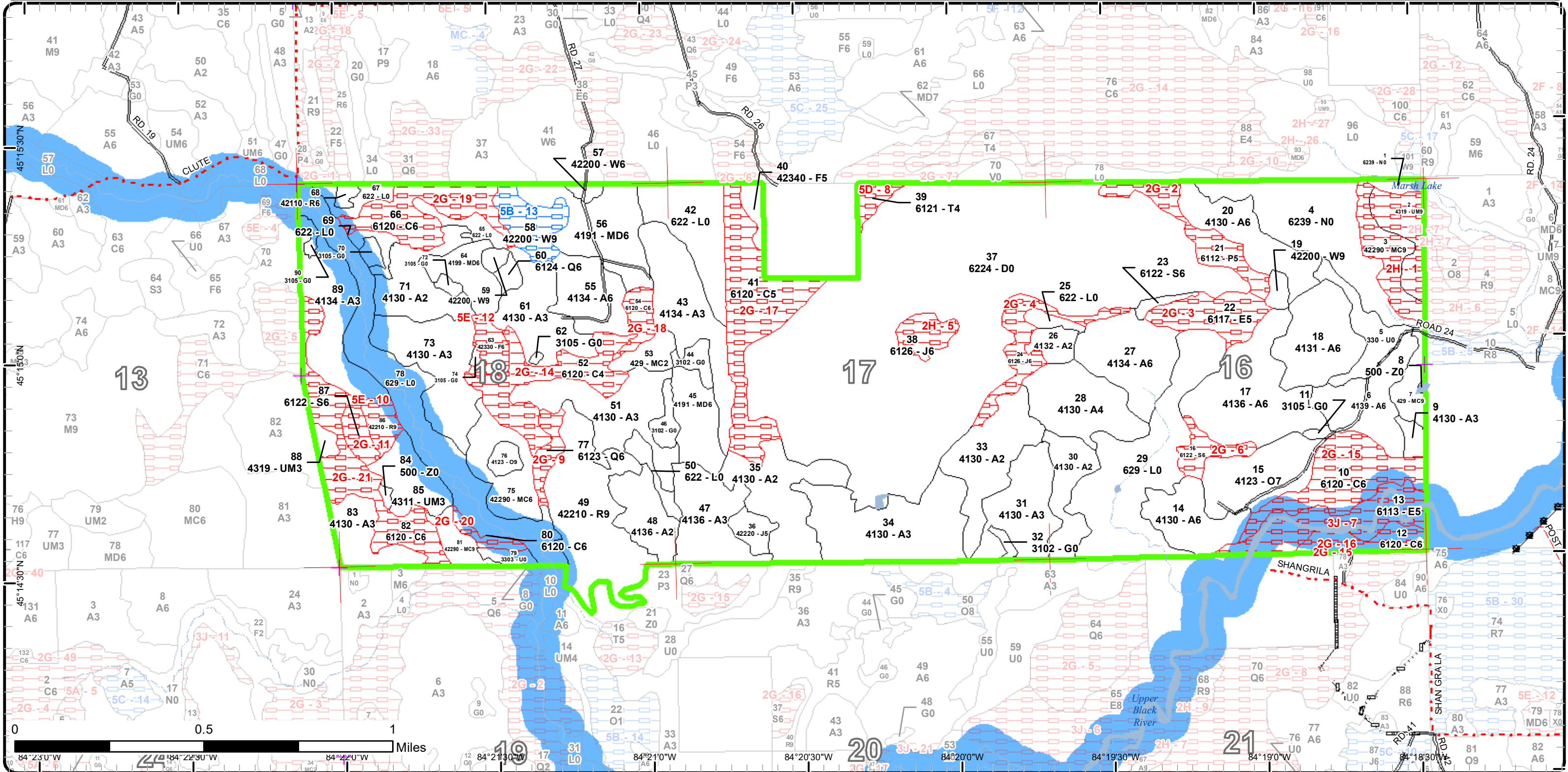


Special Conservation Areas

Compartment: 25
 T33N, R01E, Sec: 16, 17, 18
 County: Cheboygan
 Unit: Pigeon River Country
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- Culvert
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer





Report 2 – Treatment Summary

Acres of Harvest

Commercial Harvest - 101
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	47	0	0	0	0	0	0	0	0	47
Red Pine	0	0	0	54	0	0	0	0	0	54
Total	47	0	0	54	0	0	0	0	0	101

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	101	0	0	0	0	0	0	0	0	101
Next Step	0	0	0	0	0	0	101	0	0	101
Total	101	0	0	0	0	0	101	0	0	202



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

6	53025006-Cut	25.5	4139 - Aspen, Mixed Deciduous	Poletimber Well	49	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with 2-3 retention islands. Leave Oak clumps, but cut any individual Oak scattered throughout the stand. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen with a mix of species at a moderate stocking level will be acceptable regeneration success. <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2021</p>											
49	53025049-Cut	53.7	42210 - Natural Red Pine	Sawtimber Well	117	81-110	Harvest	Seed Tree with Retention	4221 - Natural Red Pine	Two-Aged	No
<p><u>Prescription</u> Seed tree cut leaving 3-4 uncut islands of mixed pine. Leave 10-30 BA of seed tree residual. Trees should be cut and skidded while doing minimal damage to existing seedling/saplings regenerated from the previous cut. Mark trees to create more regeneration holes to allow new trees to fill in. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Mixed pine is the objective but also a mix of deciduous species will be acceptable. <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2021</p>											
55	53025055-Cut	21.6	4134 - Aspen, Spruce/Fir	Poletimber Well	60	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with 2-3 retention islands. Leave any Oak and mark some mature Red and White Pine as seed trees. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen with a mix of species meeting a moderate stocking level will be acceptable in determining regeneration success. <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2021</p>											

Total Treatment Acreage Proposed: 100.8

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 25

Richard McDonald : Examiner

Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres <i>Acres Avail</i> <i>With Condition</i>	Acres Not Available
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Dominant Site Conditions

5B 2G 2H 3J 5D 5E

Total	Acres	Acres <i>Acres Avail</i>	Acres Not Available	Dominant Site Conditions	5B	2G	2H	3J	5D	5E
648	648	0	0	Aspen						
192	0	0	192	Cedar		192				
18	18	0	0	Herbaceous Openland						
30	6	0	24	Jack Pine		16	9			
17	17	0	0	Low-Density Trees		0				
17	0	0	17	Lowland Aspen/Balsam Poplar		17				
10	3	0	7	Lowland Conifers		7				
47	0	0	47	Lowland Deciduous		18		28		
174	174	0	0	Lowland Shrub						
16	2	0	14	Lowland Spruce/Fir		14				
50	50	0	0	Marsh						
64	64	0	0	Mixed Upland Deciduous						
44	28	0	16	Natural Mixed Pines		0	16			
32	32	0	0	Oak						
62	56	0	7	Red Pine		0				7
5	0	0	5	Tamarack					5	
344	344	0	0	Treed Bog						
16	16	0	0	Upland Conifers						
34	19	0	15	Upland Mixed Forest			15			
12	5	0	8	Upland Spruce/Fir		0				8
1	1	0	0	Water						
23	8	15	0	White Pine	15					
1,859	1,493	15	351	Total Forested Acres	15	264	39	28	5	14
	80%	1%	19%	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	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 25

Richard McDonald: Examiner

Year of Entry: 2022

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 25

Richard McDonald : Examiner

Year of Entry: 2022

8	Unavailable	5D: Unproductive Forest Land	5	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low drainage							
10	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 25

Richard McDonald : Examiner

Year of Entry: 2022

14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	33	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Richard McDonald : Examiner

Compartment: 25

Year of Entry: 2022

20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
1	6239 - Mixed Emergent Wetland	Nonstocked	3.0		Unspecified	No	Part of a much larger marsh complex known as Marsh 16. Beaver dam on east end of stand plays major role in controlling water levels in this marsh.																																																			
2	4319 - Mixed Upland Forest	Sawtimber Well	14.9	92	81-110	N/A	Part of larger area that is surrounded by marsh and creeks that pose an access problem. Probably won't harvest without a portable bridge of some sort. Aspen is highly variable in it's diameter classes. Beavers are having an impact on the aspen along the edges.																																																			
		<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>25</td> <td>Log/Pole</td> <td>16</td> <td>92</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>XLog</td> <td>18</td> <td>92</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>15</td> <td>Log/Pole</td> <td>16</td> <td>92</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	25	Log/Pole	16	92	White Pine	20	XLog	18	92	Bigtooth Aspen	20	Log/Pole	10		Paper Birch	5	Log/Pole	10		Red Oak	15	Log/Pole	16	92	Red Maple	15	Pole	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	10 - 20 feet	Sapling	Red Maple	Low	10 - 20 feet	Sapling	White Pine	Medium	10 - 20 feet	Sapling		
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3	42290 - Natural Mixed Pine	Sawtimber Well	15.8	92	111-140	N/A																																																				
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4	6239 - Mixed Emergent Wetland	Nonstocked	47.2		Unspecified	No	Part of Marsh 16																																																			
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5	330 - Low-Density Trees	Nonstocked	13.7	0	Unspecified	No	Stand was cut in 2018. It has not really started regenerating yet.																																																			
6	4139 - Aspen, Mixed Deciduous	Poletimber Well	25.5	49	81-110	N/A	OI Stand Year Origin was 1972																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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7	429 - Mixed Upland Conifers	Sawtimber Well	9.0	95	81-110	N/A	To be treated with stand 6.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	40	XLog	18	95	Balsam Fir	Medium	10 - 20 feet	Sapling
White Pine	15	Log/Pole	18	95	Red Maple	Medium	10 - 20 feet	Sapling
Quaking Aspen	15	Pole/Sapling	7	49	Quaking Aspen	Medium	10 - 20 feet	Sapling
Red Maple	20	Pole/Sapling	7	49				
Balsam Fir	10	Pole/Sapling	7					

8	500 - Water	Nonstocked	0.4		Unspecified	No	Small vernal pond
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9	4130 - Aspen	Sapling Well	3.6	38	1-50	N/A	OI Stand Year Origin was 1983
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	75	Pole/Sapling	6	38	Balsam Fir	Medium	10 - 20 feet	Sapling
Balsam Fir	15	Pole/Sapling	5	38	Red Maple	Low	10 - 20 feet	Sapling
Red Maple	10	Pole/Sapling	5	38				

10	6120 - Lowland Cedar	Poletimber Well	32.5	132	51-80	N/A	Swamp borders river bottom of Black River.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Log/Pole	10	132	Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	20	Log/Pole	10					
White Spruce	20	Log/Pole	12					
White Pine	10	Log/Pole	14					

11	3105 - Mixed Upland Herbaceous	Nonstocked	1.2		Unspecified	No	
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Sub-Canopy Species	Density	Avg. Height	Size
Mixes Sedges/Grasses	High	Unspecified	Non-Wood
Sweet Fern	Low	< 5 feet	Tall Shrub
Bracken Fern	Low	Unspecified	Non-Wood

12	6120 - Lowland Cedar	Poletimber Well	11.5	96	51-80	N/A	Small opening was former home site when it was private.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Log/Pole	10	96	Balsam Fir	Low	10 - 20 feet	Sapling
White Spruce	15	Log/Pole	12	96	Red Maple	Low	5 - 10 feet	Sapling
Balsam Fir	25	Log/Pole	10	96	Tag Alder	Low	5 - 10 feet	Tall Shrub
Paper Birch	5	Log/Pole	12					
Red Maple	5	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
13	6113 - Lowland Maple	Poletimber Medium	28.2	96	1-50	N/A	Black River floodplain
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		90	Log/Pole	12	96	Tag Alder	
Northern White Cedar		10	Log/Pole	12	96	Black Ash	
						Balsam Fir	
						Density	
						Avg. Height	
						Size	
						Tall Shrub	
						Sapling	
						Sapling	
14	4130 - Aspen	Poletimber Well	21.6	35	1-50	N/A	Stand Year Origin was 1986
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		80	Sapling/Pole	4	35	Balsam Fir	
Balsam Fir		10	Sapling/Pole	4	35	Red Maple	
Red Maple		10	Sapling/Pole	3			
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
15	4123 - Red Oak	Sawtimber Poor	28.4	72	1-50	N/A	Stand was clear cut in 2018, but left the Oak. Aspen regen is coming on and should do alright.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Oak		100	Log/Pole	12	72	Quaking Aspen	
						Density	
						Avg. Height	
						Size	
						< 5 feet	
						Sapling	
16	6122 - Black Spruce	Poletimber Well	8.1	80	51-80	N/A	Stand Year Origin was 1941
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		80	Pole	8	80	Balsam Fir	
Balsam Fir		10	Pole/Sapling	8		Black Spruce	
White Pine		10	Log/Pole	10			
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
17	4136 - Aspen, Mixed Conifer	Poletimber Well	46.5	35	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		50	Pole/Sapling	6	35	Red Pine	
Red Pine		5	Pole/Sap/Log	8		White Oak	
Red Oak		10	Log/Pole	12		Red Maple	
Balsam Fir		15	Pole	8	35	White Pine	
Red Maple		20	Pole/Sapling	6			
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
						Sapling	
18	4131 - Aspen, Oak	Poletimber Well	30.1	46	1-50	N/A	Stand was harvested in 1975 and left Oak residual.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		50	Pole/Sapling	6	46		
Red Maple		15	Sapling	3	46		
White Pine		15	Sapling	3	46		
Red Oak		20	Log	14	113		
						Density	
						Avg. Height	
						Size	
19	42200 - Natural White Pine	Sawtimber Well	3.2	111	81-110	N/A	Stand Year Origin was 1910. Old Weeviled trees.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		100	Log/Pole	16	111	Balsam Fir	
						White Pine	
						Red Maple	
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	4130 - Aspen	Poletimber Well	25.5	35	1-50	N/A	Stand Year Origin was 1986
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		85	Sapling/Pole	4	35	Balsam Fir	Medium
Balsam Fir		10	Sapling/Pole	4	35	Red Maple	Low
Red Maple		5	Sapling/Pole	4	35		
						Avg. Height	Size
						10 - 20 feet	Sapling
						10 - 20 feet	Sapling
21	6112 - Lowland Aspen	Poletimber Medium	17.0	87	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		60	Log/Pole	10	87	Balsam Fir	Medium
Red Maple		25	Pole	9	87	Red Maple	Low
Balsam Fir		10	Log/Pole	10	87		
Northern White Cedar		5	Pole	9			
						Avg. Height	Size
						10 - 20 feet	Sapling
						10 - 20 feet	Sapling
22	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	18.4	80	1-50	N/A	Wet stand with creek flowing thru it.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		45	Pole	8	80	Red Maple	Low
Balsam Fir		20	Pole	8	80	Tag Alder	Medium
Black Spruce		17	Log/Pole	10		Balsam Fir	Medium
Red Oak		3	Log/Pole	10			
Quaking Aspen		15	Log/Pole	10			
						Avg. Height	Size
						10 - 20 feet	Sapling
						5 - 10 feet	Tall Shrub
						10 - 20 feet	Sapling
23	6122 - Black Spruce	Poletimber Well	2.4	70	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		60	Pole/Log	10	70	Black Spruce	Low
Red Maple		10	Pole	8	70	Balsam Fir	Low
Jack Pine		20	Log/Pole/Sap	10			
Quaking Aspen		10	Pole/Log	9			
						Avg. Height	Size
						5 - 10 feet	Sapling
						5 - 10 feet	Sapling
24	6126 - Lowland Jack Pine	Poletimber Well	15.6	70	81-110	N/A	Transition edge along bog.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		70	Pole	9	70	Black Spruce	Low
Red Pine		10	Log/Pole	10	70	White Pine	Low
Black Spruce		20	Pole	8			
						Avg. Height	Size
						5 - 10 feet	Sapling
						5 - 10 feet	Sapling
25	622 - Lowland Shrub	Nonstocked	3.3		Unspecified	No	
						Sub-Canopy Species	Density
						Tag Alder	High
						Willow spp.	Low
						Michigan Holly	Low
						Avg. Height	Size
						5 - 10 feet	Tall Shrub
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
26	4132 - Aspen, Jack Pine	Sapling Medium	6.4	26	Immature	N/A																																										
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27	4134 - Aspen, Spruce/Fir	Poletimber Well	31.4	47	51-80	N/A	Stand Year Origin was 1974																																									
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29	629 - Mixed non-forested wetland	Nonstocked	63.1		Unspecified	No	Creek flows through with active beaver population. Vegetation is dependent on amount of beaver activity.																																									
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36	42220 - Natural Jack Pine	Poletimber Medium	6.1	35	51-80	N/A	Stand Year Origin was 1986																										
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37	6224 - Treed Bog	Nonstocked	344.1	105	1-50	No	Stand Year Origin was 1916																										
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38	6126 - Lowland Jack Pine	Poletimber Well	8.7	102	81-110	N/A	Island in middle of bog																										
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39	6121 - Tamarack	Poletimber Poor	4.9	108	1-50	N/A																											
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40	42340 - Upland Spruce/Fir	Poletimber Medium	4.5	56	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		50	Pole	8	56	Balsam Fir	Density
Quaking Aspen		20	Pole	9	56		Avg. Height
Paper Birch		10	Pole	9			Size
White Spruce		10	Log/Pole	10			
Red Maple		10	Pole	8			
41	6120 - Lowland Cedar	Poletimber Medium	44.7	114	1-50	N/A	Poor quality, wet swamp
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		60	Pole	8	114	Balsam Fir	Density
Tamarack		10	Pole/Sapling	8		Black Spruce	Avg. Height
Black Spruce		10	Pole/Sapling	7			Size
Balsam Fir		20	Pole	8			
42	622 - Lowland Shrub	Nonstocked	28.1		Unspecified	No	Water level definitely influenced by the old grade.
43	4134 - Aspen, Spruce/Fir	Sapling Well	34.9	35	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		70	Pole/Sapling	5	35	Red Maple	Density
Balsam Fir		20	Sapling/Pole	4	35	Balsam Fir	Avg. Height
Red Maple		10	Sapling/Pole	4	35		Size
44	3102 - Grass	Nonstocked	4.5		Unspecified	Managed Opening	Managed wildlife opening
Sub-Canopy Species		Density	Avg. Height	Size			
Mixed Grasses		Full	Unspecified	Non-Wood			
45	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	17.8	66	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		40	Pole	9	66	Red Maple	Density
Quaking Aspen		20	Log/Pole	10	66	Balsam Fir	Avg. Height
Paper Birch		10	Log/Pole	10	66		Size
Balsam Fir		30	Pole	9	66		
46	3102 - Grass	Nonstocked	4.9		Unspecified	Managed Opening	Managed wildlife opening
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47	4136 - Aspen, Mixed Conifer	Sapling Well	27.6	35	1-50	N/A	Some extensive wet areas.																																					
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52	6120 - Lowland Cedar	Poletimber Poor	29.4	81	1-50	N/A	Stand Year Origin was 1940.																																					
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53	429 - Mixed Upland Conifers	Sapling Medium	7.4	25	Immature	N/A	Stand Year Origin was 1996																																					
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57	42200 - Natural White Pine	Poletimber Well	2.3	76	81-110	N/A	Stand had aspen and hardwood removed in 1998. Part of larger stand to the north in Compartment 23 and will be managed with that stand.																																								
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58	42200 - Natural White Pine	Sawtimber Well	14.9	126	81-110	N/A	Stand was selectively cut in 2004.																																								
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59	42200 - Natural White Pine	Sawtimber Well	2.3	126	81-110	N/A	Stand was selectively cut in 2004 along with stand 58.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
60	6124 - Lowland Spruce-Fir	Poletimber Well	2.9	82	81-110	N/A	Seasonally wet stand
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		50	Log/Pole	10	82	Tag Alder	
White Pine		10	Log/Pole	10	82	Red Maple	
Red Maple		40	Pole	9	82	Density	
						Avg. Height	
						Size	
61	4130 - Aspen	Sapling Well	26.2	35	1-50	N/A	Stand Year Origin was 1986
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		75	Pole/Sapling	6	35	Balsam Fir	
Red Maple		15	Pole/Sapling	6	35	Red Maple	
Balsam Fir		10	Pole/Sapling	6		Density	
						Avg. Height	
						Size	
62	3105 - Mixed Upland Herbaceous	Nonstocked	0.5		Unspecified	No	
Sub-Canopy Species		Density	Avg. Height	Size			
Mixes Sedges/Grasses		High	Unspecified	Non-Wood			
Bracken Fern		Medium	Unspecified	Non-Wood			
63	42330 - Upland Fir	Poletimber Well	7.7	61	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		75	Pole	8	61	Balsam Fir	
Quaking Aspen		20	Pole/Sapling	8	61	Density	
Red Maple		5	Pole/Sapling	8		Avg. Height	
						Size	
64	4199 - Other Mixed Upland Deciduous	Poletimber Well	13.8	59	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Paper Birch		40	Log/Pole	10	59	Balsam Fir	
Red Maple		40	Log/Pole	10	59	White Pine	
Bigtooth Aspen		15	Log/Pole	10	59	Density	
White Pine		5	Pole	9		Avg. Height	
						Size	
65	622 - Lowland Shrub	Nonstocked	6.0		Unspecified	No	
Sub-Canopy Species		Density	Avg. Height	Size			
Tag Alder		Full	5 - 10 feet	Tall Shrub			
66	6120 - Lowland Cedar	Poletimber Well	26.9	122	111-140	N/A	Wet stand
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		60	Log/Pole	10	122	Balsam Fir	
Quaking Aspen		15	Log/Pole	10		Tag Alder	
Balsam Poplar		10	Log/Pole	10		Density	
Balsam Fir		5	Pole	9		Avg. Height	
White Spruce		5	Log/Pole	12		Size	
Paper Birch		5	Log/Pole	10			



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67	622 - Lowland Shrub	Nonstocked	5.9		Unspecified	No																																						
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68	42110 - Planted Red Pine	Poletimber Well	2.0	58	111-140	N/A	Part of larger stand to the north that has been row thinned about 10-15 years ago. Manage with that stand.																																					
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70	3105 - Mixed Upland Herbaceous	Nonstocked	2.3		Unspecified	No	Old homestead site with some apple trees																																					
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71	4130 - Aspen	Sapling Medium	23.2	25	Immature	N/A	Aspen never regenerated well except on the north end. Some browse damage early on combined with low aspen stocking in part of the stand at harvest.																																					
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73	4130 - Aspen	Sapling Well	35.6	35	Immature	N/A	Stand Year Origin was 1986. Some low areas within stand. South end drops down into lowland conifer mix.																																					
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76	4123 - Red Oak	Sawtimber Well	3.9	111	51-80	N/A	Isolated wildlife food source more valuable for that purpose than for the timber value. Relatively high Oak knob. Leave for retention stand. Known as "Gobbler's Knob"																																										
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78	629 - Mixed non-forested wetland	Nonstocked	58.5	126	Unspecified	No	McMasters Creek bottom mostly lowland brush, marsh grass with some pockets of conifer that dying out due to fluctuating water levels from periodic beaver flooding.																																										
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79	3303 - Mixed Low Density Trees	Nonstocked	3.5		Unspecified	No	Natural grassy opening with scattered trees																																										
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80	6120 - Lowland Cedar	Poletimber Well	4.1	126	81-110	N/A																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
81	42290 - Natural Mixed Pine	Sawtimber Well	7.9	121	81-110	N/A	OPIC - FMD: OI Stand Year Origin was 1975
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		40	Log/Pole	16	121	White Pine	
Red Pine		45	Log/Pole	15	121	Medium	
Quaking Aspen		10	Log/Pole	10		10 - 20 feet	
Red Maple		5	Pole	9		Sapling	
						Sapling	
82	6120 - Lowland Cedar	Poletimber Well	36.3	126	81-110	N/A	Wet stand
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		70	Log/Pole	10	126	Balsam Fir	
Tamarack		15	Pole/Sapling	7		Low	
Black Spruce		5	Pole	8		5 - 10 feet	
White Pine		3	Log/Pole	14	126	Sapling	
Paper Birch		2	Log/Pole	10		Tag Alder	
Quaking Aspen		5	Pole	9		Low	
						5 - 10 feet	
						Tall Shrub	
83	4130 - Aspen	Sapling Well	16.8	32	Immature	N/A	Part of larger stand to the west
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		75	Sapling	3	32	Balsam Fir	
Balsam Fir		15	Sapling	3		Medium	
Red Maple		10	Sapling	3		10 - 20 feet	
						Sapling	
						Red Maple	
						Low	
						5 - 10 feet	
						Sapling	
84	500 - Water	Nonstocked	1.0		Unspecified	No	Small pothole
85	4311 - Pine, Aspen Mix	Sapling Well	16.6	32	Immature	N/A	Stand Year Origin was 1989
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		45	Sapling	3	32	Balsam Fir	
Red Maple		5	Sapling	3	32	Medium	
Balsam Fir		20	Sapling	3	32	10 - 20 feet	
White Pine		20	Pole/Sapling	5	32	Sapling	
Red Pine		5	Sapling	3		Red Maple	
White Spruce		5	Sapling	3		Low	
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						Red Pine	
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86	42210 - Natural Red Pine	Sawtimber Well	6.7	120	141-170	N/A	Small isolated pocket of pine too small to manage on it's own. Difficult access, good long-term retention stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		75	Log/Pole	16	120	White Pine	
White Pine		5	Log/Pole	16	120	Medium	
Quaking Aspen		10	Log/Pole	12		10 - 20 feet	
Balsam Fir		10	Log/Pole	10		Sapling	
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87	6122 - Black Spruce	Poletimber Well	5.9	100	51-80	N/A																																											
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88	4319 - Mixed Upland Forest	Sapling Well	2.8	32	Immature	N/A	Small area that is part of a larger stand to the west																																										
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