



Compartment Review Presentation

Pigeon River Country Forest Management Unit

Compartment 53027

Entry Year 2024

Acreage: 1,567

County Cheboygan

Management Area: Pigeon River Country

Stand Examiner: Jake Halabut

Legal Description:

T33 - R01E Sections 19, 20 & 21

Identified Planning Goals:

Not Applicable

Soil and topography:

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

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

Flat to gently rolling terrain with predominantly sandy soil types throughout the compartment of varying names and associations except in the lowland swamp types.

Unique Natural Features:

Primarily solid state ownership with some in-holdings of private land. Land surrounding this compartment is mostly all stand owned.

Archeological, Historical, and Cultural Features:

None identified.

Special Management Designations or Considerations:

None identified.

Watershed and Fisheries Considerations:

A large portion of the Black River flows through the compartment. The McMaster's Creek, which is a tributary to the Black River, also flows through about 2/3 of the compartment.

Wildlife Habitat Considerations:

This stand is primarily lowland with the presence of the Black River and it's tributary McMaster Creek. These waterways are immediately bordered with tag alder openings, and then varying complexes of lowland conifer or deciduous stands. The upland portions of this compartment consist of primarily of varying aspen complexes, with varying abundance of pine, fir, maple, and oak species. Aspen stands will be managed through clearcutting to maintain early successional habitat. Red pine stands will be managed to maintain the type. Oak and it's subsequent mast production will be maintained through management practices. Openings will be maintained using farming practices.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and minor coarse texture glacial till in the NE. The glacial drift thickness varies between 100 and 400 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 four miles to the northeast and potential may be good on the upland areas. This area was previously leased for oil and gas development. The Antrim Shale subcrops are in this area and there is minimal potential. The Guelph (Niagaran) reef trend produces to the east and additional reefs and the Collingwood/Utica Shale have potential in this compartment.

Vehicle Access:

There is good access to most of the compartment. Most of the forest roads, however, have been closed to wheel motorized vehicles with virtually all those closures still intact. Though a gate down road 27 from Clute road continuous gets breached.

Survey Needs:

The boundary with the private inholding found in 19 are in need of surveying, specifically the northern most boundary of this inholding.

Recreational Facilities and Opportunities:

No recreational facilities exist in this compartment. Hunting is primary recreational use of this area.

Fire Protection:

Access is generally good in case of any fire suppression efforts, though the area is generally at low risk for any wildfire potential. Most road systems are closed with berms.

Additional Compartment Information:

The following reports from the Inventory are attached:

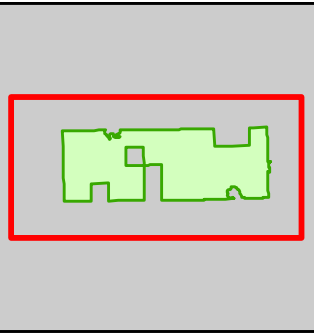
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

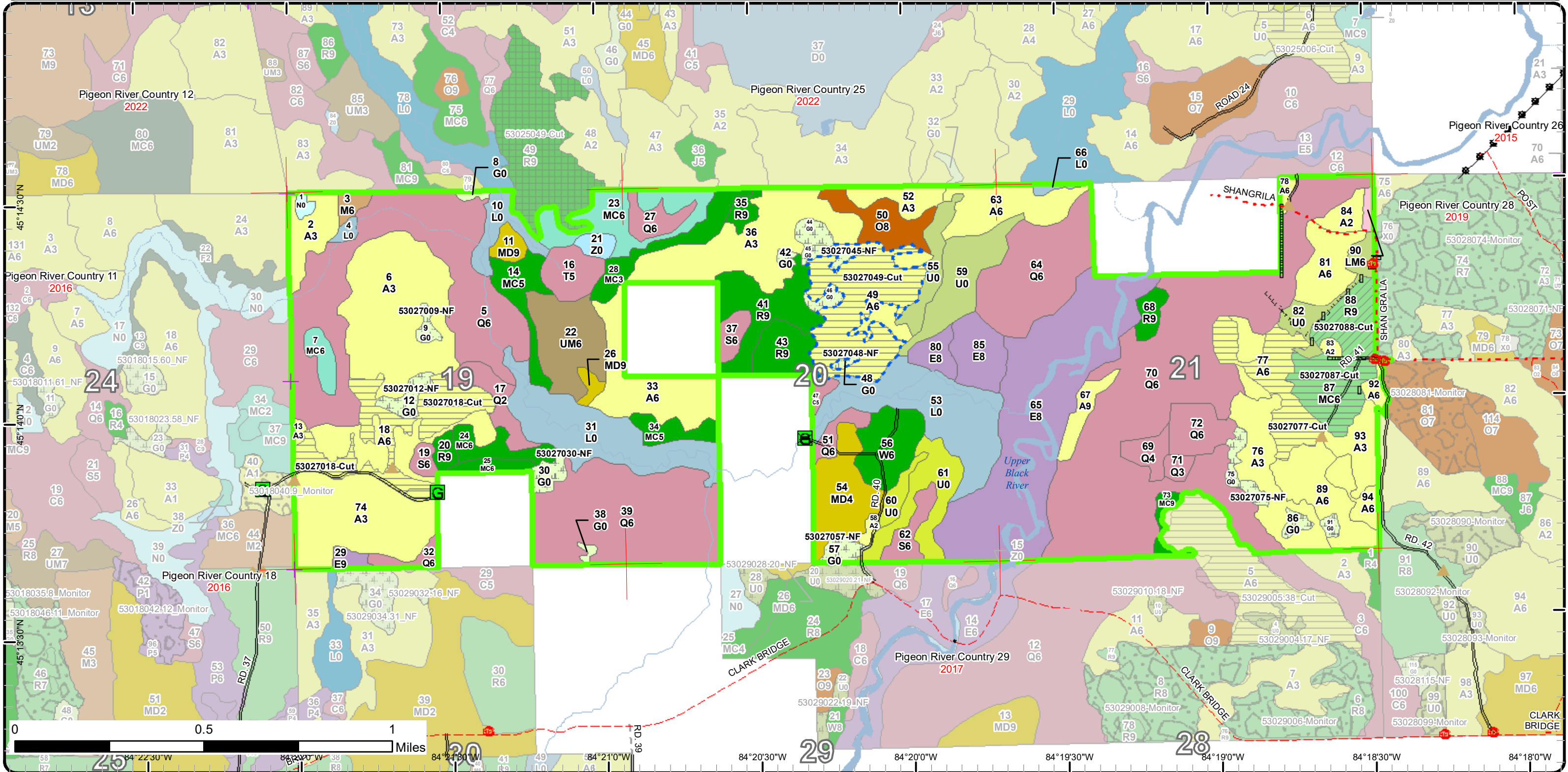
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 27
 T33N, R01E, Sec: 19, 20, 21
 County: Cheboygan
 Unit: Pigeon River Country
 Mgmt Area: Pigeon River Country
 YOE: 2024
 Acres: 1567.2 GIS Calculated
 Examiner: Jake Halabut
 Map Revised: 6/17/2022
 Map Phase: Web-Post

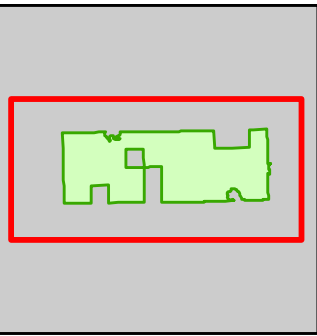
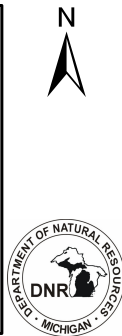


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- G Berms
- G Gate
- X Bridges
- STOP Sign
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

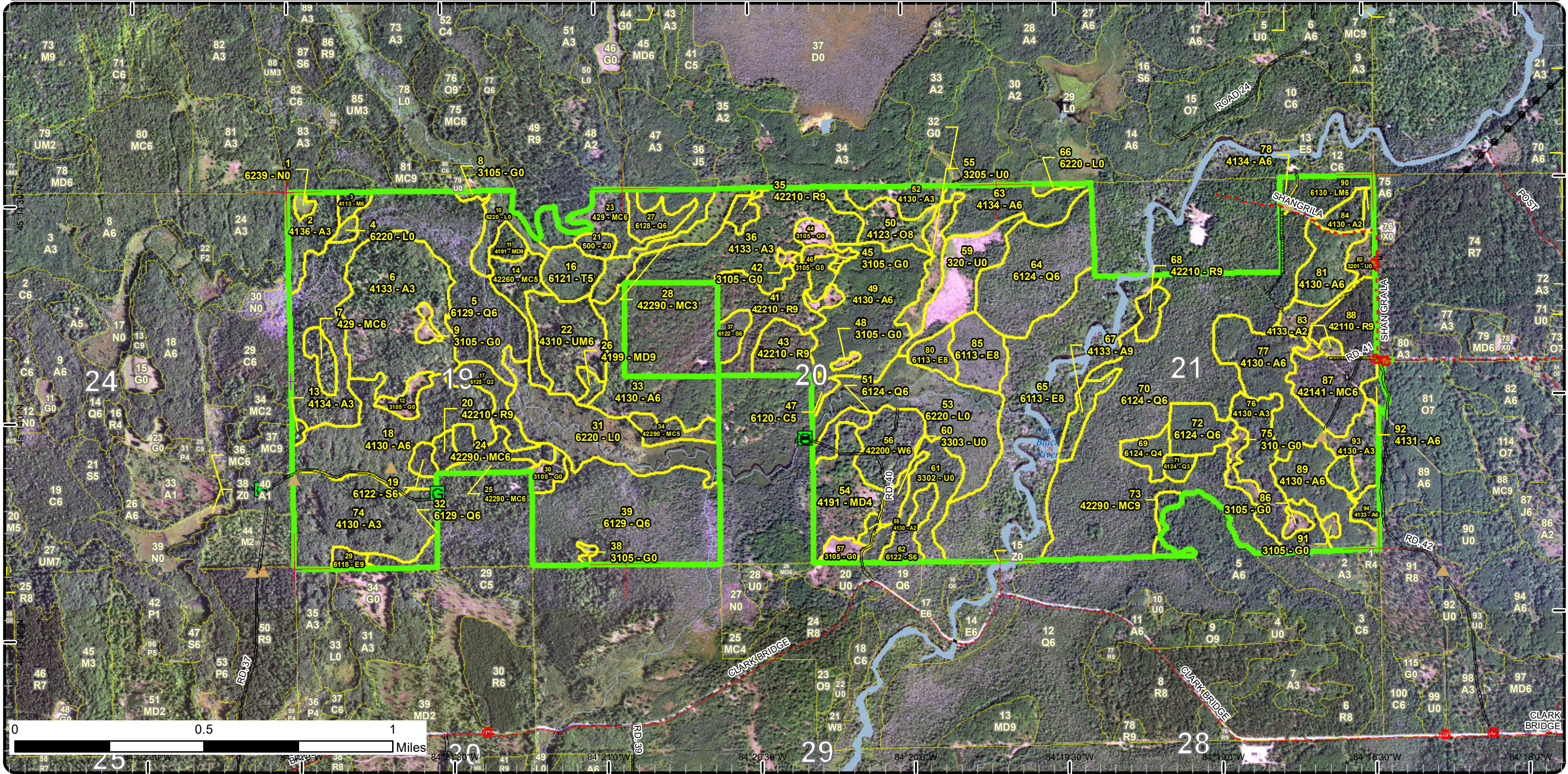


Stand Boundary Map

Compartment: 27
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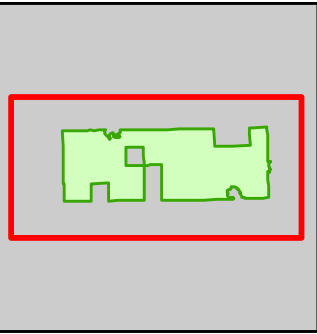


- Miris Corners
- + Remonumented Section Corners
- Counties
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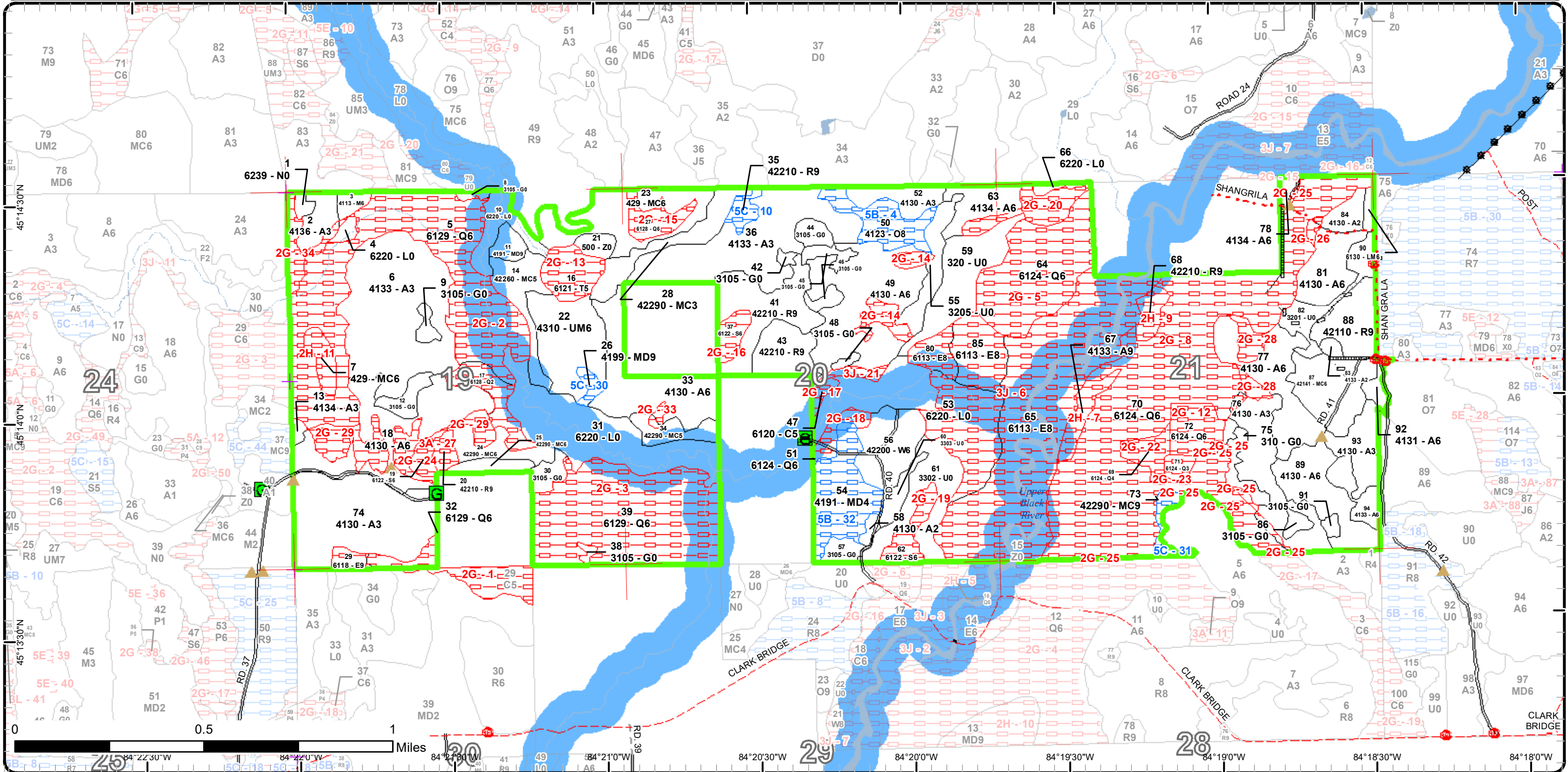


Special Conservation Areas

Compartment: 27
 T33N, R01E, Sec: 19, 20, 21
 County: Cheboygan
 Unit: Pigeon River Country
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- Berms
- G Gate
- B Bridges
- S Sign
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



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	81	14	120	110	145	0	0	2	0	0	7	0	0	0	0	0	0	479
Cedar	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
Herbaceous Openland	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Low-Density Trees	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Conifers	0	0	0	0	3	31	0	0	5	8	140	251	0	0	0	0	0	0	438
Lowland Deciduous	0	0	0	0	0	0	0	0	0	3	132	0	0	0	0	0	0	0	135
Lowland Mixed Forest	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Shrub	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	13	0	3	0	0	0	0	0	0	0	16
Marsh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0	32
Natural Mixed Pines	0	0	15	0	9	8	5	13	0	0	4	0	0	0	0	0	0	0	53
Northern Hardwood	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	3
Oak	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	15
Planted Mixed Pines	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	22
Red Pine	0	0	0	0	0	0	0	52	0	9	0	0	4	0	0	0	0	0	65
Tamarack	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	12
Upland Conifers	0	0	0	0	24	0	0	6	0	0	0	0	0	0	0	0	0	0	30
Upland Mixed Forest	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Upland Shrub	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
White Pine	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	18
Total	221	81	29	147	146	186	5	86	42	71	279	275	4	0	0	0	0	0	1570



Report 2 – Treatment Summary

Acres of Harvest

Commercial Harvest - 98
Harvests with Site Condition - 45
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	105	0	0	0	0	0	0	0	0	105
Planted Mixed Pines	22	0	0	0	0	0	0	0	0	22
Red Pine	0	0	0	0	15	0	0	0	0	15
Total	127	0	0	0	15	0	0	0	0	142

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	142	0	0	0	0	0	0	33	0	175
Next Step	0	0	22	0	0	142	0	0	0	164
Total	142	0	22	0	0	142	0	33	0	340



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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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Proposed Treatments:

9	53027009-NF	2.5	3105 - Mixed Upland Herbaceous	Nonstocked	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, plant, brush, burn, or herbicide to maintain openings. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2023</p>										
12	53027012-NF	5.0	3105 - Mixed Upland Herbaceous	Nonstocked	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, plant, brush, burn, or herbicide to maintain openings. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2023</p>										
18	53027018-Cut	35.3	4130 - Aspen	Poletimber Well	44 51-80	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Utilize LTM and/or species designation to attain adequate retention per the DNR retention guidelines. Focus on large diameter white pine, red pine, and all oak spp. that may be present in the stand. Also, for any island/pocket retention, focus on any wet areas that may persist within the treatment area. Mark some wildlife trees to be dropped and left as drumming logs. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Acceptable regeneration will include moderate aspen regeneration as well as a mix of other species already present in the stand. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2023</p>										



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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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30	53027030-NF	4.4	3105 - Mixed Upland Herbaceous	Nonstocked	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Mow, plant, brush, burn, or herbicide to maintain openings.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

42	53027042-NF	1.1	3105 - Mixed Upland Herbaceous	Nonstocked	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Mow, plant, brush, burn, or herbicide to maintain openings.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

44	53027044-NF	3.8	3105 - Mixed Upland Herbaceous	Nonstocked	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Mow, plant, brush, burn, or herbicide to maintain openings.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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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45	53027045-NF	3.1	3105 - Mixed Upland Herbaceous	Nonstocked	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Mow, plant, brush, burn, or herbicide to maintain openings.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

46	53027046-NF	2.5	3105 - Mixed Upland Herbaceous	Nonstocked	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Mow, plant, brush, burn, or herbicide to maintain openings.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

48	53027048-NF	1.1	3105 - Mixed Upland Herbaceous	Nonstocked	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Mow, plant, brush, burn, or herbicide to maintain openings.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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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49	53027049-Cut	44.9	4130 - Aspen	Poletimber Well	46	51-80	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription Clear cut with retention. Likely utilize LTM and pocket/island retention in accordance with retention guidelines. For LTM, focus on super canopy and large diameter trees, with favor towards any white and red pine, red oak, and any other lesser abundant species. Focus retention on areas where aspen merchantability may be lacking, and any remaining wet areas in the stand.

Also, would recommend selecting some wildlife trees to be dropped and left as drumming logs.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Moderate regeneration of aspen and any other mixture of species will be acceptable.

Other

Comment:

Site Condition BMPs

Proposed Start Date: 10/1 /2023

57	53027057-NF	4.1	3105 - Mixed Upland Herbaceous	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription Mow, plant, brush,burn, or herbicide to maintain openings.

Specs:

Next Step

Treatments:

Acceptable Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

75	53027075-NF	5.1	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription General opening maintenance which may include mechanical, herbicide, or Rx fire.

Specs:

Next Step

Treatments:

Acceptable Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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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77	53027077-Cut	25.2	4130 - Aspen	Poletimber Well	46	51-80	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
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Prescription Clearcut with retention. Focus on any existing vernal ponds or wet/pitted areas within the stand. Also, utilize LTM for any legacy or large diameter red pine or white pine found in the stand. Designation all oak species to be retained due to the low abundance found in this stand.
Specs: Mark some wildlife trees to be dropped and left as drumming logs.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Moderately stocked aspen stand with any mixture of other species for diversity will be acceptable for regeneration.

Other Comment: Upon seeing good success with aspen clear cuts in the immediate area, I would expect similar results for this stand.

Site Condition

Proposed Start Date: 10/1 /2023

86	53027086-NF	2.3	3105 - Mixed Upland Herbaceous	Nonstocked			Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	No
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Prescription General opening maintenance which may include mechanical, herbicide, or Rx fire.
Specs:

Next Step
Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2023

87	53027087-Cut	21.8	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Well	70	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Clearcut with retention, specifically to retain and protect the red and white oak species present in the stand. There are a few large diameter white pine that were retained prior to planting the present jack pine, and I would recommended retaining these as well.

Monitor to see if regen is adequate. If not, then supplemental planting may be necessary. Adjacent stand 88 to the north is yielding nice red pine, so this may be a viable option for this site as well.

Next Step Monitoring, Natural Regen (Intermediate); Planting, Initial Plant

Treatments:

Acceptable Regen: Any moderate regeneration of aspen, red maple, and any other mixture of conifer and deciduous species.

Other Comment: Clearcutting this stand with the adjacent S77 which is an aspen clearcut. Hope is that aspen expansion from this stand will spread into stand 87.

Site Condition

Proposed Start Date: 10/1 /2023



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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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88	53027088-Cut	15.2	42110 - Planted Red Pine	Sawtimber Well	61	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Single tree selection to thin BA down to ~100. Focus on form, risk, and suppressed trees for an order of operations on thinning. There are a couple of open areas already in place, could potentially open them up a little more in an attempt to increase species diversity.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Any combination of species regen would be acceptable for this harvest.

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

91	53027091-NF	1.5	3105 - Mixed Upland Herbaceous	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription General opening maintenance which may include mechanical, herbicide, or Rx fire.

Specs:

Next Step

Treatments:

Acceptable Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

Total Treatment Acreage Proposed: 178.9

Availability for Management

Total Acres **Acres Avail** Acres
 Acres Available **With Condition** Not Available

Dominant Site Conditions

5B 5C 2G 2H 3A 3J

	Total Acres	Acres Avail	Acres		5B	5C	2G	2H	3A	3J
478	413	0	65	Aspen	0	0	55	7		3
2	0	0	2	Cedar			2			
38	38	0	0	Herbaceous Openland			0			
25	25	0	0	Low-Density Trees						
437	1	0	436	Lowland Conifers			436			
135	0	0	135	Lowland Deciduous			3			132
2	2	0	0	Lowland Mixed Forest			0			
106	79	0	27	Lowland Shrub						27
16	0	0	16	Lowland Spruce/Fir			16			
2	2	0	0	Marsh						
32	4	27	0	Mixed Upland Deciduous	25	3				
53	49	4	0	Natural Mixed Pines		4	0			
3	3	0	0	Northern Hardwood			0			
15	0	15	0	Oak	15					
22	22	0	0	Planted Mixed Pines						
65	53	4	9	Red Pine		4		5	3	
12	0	0	12	Tamarack			12			
30	24	0	6	Upland Conifers				6		
27	27	0	0	Upland Mixed Forest						
45	45	0	0	Upland Shrub						0
4	4	0	0	Water						
18	18	0	0	White Pine						
1,567	809	50	708	Total Forested Acres	39	10	525	18	3	162
	52%	3%	45%	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)	18	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 27

Jake Halabut : Examiner

Year of Entry: 2024

2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	107	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	77	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	159	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 27

Jake Halabut : Examiner

Year of Entry: 2024

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	170	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 27

Jake Halabut : Examiner

Year of Entry: 2024

14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 27

Jake Halabut : Examiner

Year of Entry: 2024

20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cold water buffer for McMaster's Creek.							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 27

Jake Halabut : Examiner

Year of Entry: 2024

26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	3A: Conservation Values incompatible with harvest at this time	4	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Jake Halabut : Examiner

Compartment: 27

Year of Entry: 2024

32	Available	5B: Maintain for regeneration purposes	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	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	1.6		Unspecified	No	Old beaver marsh and lowland pockets																																																								
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2	4136 - Aspen, Mixed Conifer	Sapling Well	13.6	32	Unspecified	N/A	Decent looking aspen stand that is wet in certain areas particularly along the western portion of the stand, and a little portion that borders stand 4. Aspen is looking ok, though not necessarily of high quality. Small in diameter for it's age class and is definitely not ready yet for harvest. I would reassess at the next inventory cycle to see how it's progressing.																																																								
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3	4113 - R.Maple, Conifer	Poletimber Well	3.2	69	81-110	N/A	Unique looking stand with decent quality red maple and aspen in it. Not quite ready to cut but likely ready come next inventory cycle. Issue is, small acreage stand with not much else in the area that is ready to cut anytime soon.																																																								
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5	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	95.7	92	51-80	N/A	Poor quality, wet swamp with creek flowing through it. Pockets of blowdown exist in the wetter sites. Aspen found in this stand is rapidly deteriorating.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
6	4133 - Aspen, Mixed Pine	Sapling Well	62.6	22	1-50	N/A	A very neat stand with tons of vertical structure created by the large scale retention of red and white pine in the stand. Creating a true mosaic of sorts on this landscape. Aspen poles are looking good, as the majority of them are just approaching merchantable size. The pockets of pine have a nice distribution of size and recruitment of other pine and red maple, in particular. Although a fair amount of the red maple is browsed back, a surprising amount is successfully breaching the browse line despite the overwhelming evidence of elk in the area. White spruce and other lowland species border the perimeter of this stand, in particular the NW-N borders, as the landscape transitions into the McMaster Creek bottom.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	10	Pole/Log/Sap	8	62	Balsam Fir	Medium		Variable	Sapling
Balsam Fir	5	Pole/Sapling	5		Black Cherry	Medium		5 - 10 feet	Sapling
White Spruce	3	Pole/Log/XLog	8		Red Maple	High		Variable	Sapling
White Pine	22	Pole/Log/XLog	9	62	Quaking Aspen	Medium		5 - 10 feet	Sapling
Quaking Aspen	30	Sapling/Pole	4	22	White Spruce	Low		Variable	Sapling
Bigtooth Aspen	30	Sapling/Pole	4	22	White Pine	Medium		Variable	Sapling
7	429 - Mixed Upland Conifers	Poletimber Well	5.9	60	51-80	N/A	Upland island surrounded by swamp		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple	20	Pole/Sapling	8		Balsam Fir	Low	5 - 10 feet	Sapling	
Quaking Aspen	15	Pole	8		Red Maple	Low	5 - 10 feet	Sapling	
Balsam Fir	10	Pole	8		White Pine	Low	5 - 10 feet	Sapling	
Red Pine	5	Pole	8						
White Pine	50	Pole	9	60					
8	3105 - Mixed Upland Herbaceous	Nonstocked	1.1		Unspecified	No	Bottom pf grassy hillside along swamp. Most of the opening is in the compartment to the north.		
Sub-Canopy Species	Density	Avg. Height	Size						
Blackberry/Raspberry	Low		Tall Shrub						
Mixed Grasses	High		Non-Wood						
Sedges	Medium		Non-Wood						
Bracken Fern	Medium		Non-Wood						
9	3105 - Mixed Upland Herbaceous	Nonstocked	2.5		Unspecified	No			
Sub-Canopy Species	Density	Avg. Height	Size						
Sweet Fern	Medium		Tall Shrub						
Blackberry/Raspberry	Low		Tall Shrub						
Red Pine	Low	5 - 10 feet	Sapling						
Quaking Aspen	Low	5 - 10 feet	Sapling						
Bracken Fern	Medium		Non-Wood						
Jack Pine	Medium	10 - 20 feet	Sapling						
Mixed Grasses	High		Non-Wood						
Sedges	Medium		Non-Wood						
White Pine	Medium	5 - 10 feet	Sapling						
10	6220 - Alder/willow	Nonstocked	10.3		Unspecified	No	Creek bottom along McMaster's Creek		
Sub-Canopy Species	Density	Avg. Height	Size						
Willow spp.	Medium		Tall Shrub						
Alder	Medium	Unspecified	Tall Shrub						
Sweet Gale	High	< 5 feet	Tall Shrub						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
11	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	4.3	89	81-110	N/A	Isolated, poorly stocked Aspen/Pine stand, on a little peninsula jutting out into a creek bottom. White pine is highly prevalent along the stands border with the creek bottom, while the interior has a mix of aspen, red maple, red pine, and red oak.																																																											
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12	3105 - Mixed Upland Herbaceous	Nonstocked	5.0		Unspecified	No																																																												
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13	4134 - Aspen, Spruce/Fir	Sapling Well	1.3	27	Unspecified	N/A	Wonder if this used to be a landing or was a failed regenerating pocket from a previous sale. Small acreage and low density Aspen-Pine complex with lesser components of RP and RM.																																																											
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14	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	13.1	62	1-50	N/A	Sparse upland, dry stand with poor soil quality. Looks as though this may have previously been a clear cut with red pine retention, while regeneration of the stand lacked (as a whole). The stand is slowly beginning to fill in with maple, balsam poplar, and black cherry in these failed regeneration areas. There is a thin strip of this stand that borders lowland, here some tamarack and spruce are found in low density.																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
16	6121 - Tamarack	Poletimber Medium	11.7	60	1-50	N/A	Tamarack and spruce bog. Understory is highly dense with tag alder and leatherleaf.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		95	Pole/Sapling	6	60	Leatherleaf	High	< 5 feet	Tall Shrub
Black Spruce		5	Sapling	4		Tag Alder	Full	5 - 10 feet	Tall Shrub
17	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Medium	10.8	47	Unspecified	N/A	This stand was once part of stand 5 but suffered a tremendous amount of blowdown.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		20	Sapling	2		Northern White Cedar	Low	< 5 feet	Seeding
Tamarack		24	Sapling	3	47	Tamarack	Low	< 5 feet	Sapling
Northern White Cedar		8	Sapling	3		Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple		10	Sapling	2		Balsam Fir	Medium	Variable	Seeding
Paper Birch		10	Sapling	3					
Black Spruce		28	Sapling/Pole	3	47				
18	4130 - Aspen	Poletimber Well	53.6	44	51-80	N/A	Nice emerging pole stand. Part of stand south of Rd. 37 has a much better size.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Pole/Sapling	7	44	Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir		15	Pole/Sapling	7	44	Red Maple	Low	5 - 10 feet	Sapling
Quaking Aspen		80	Pole/Sapling	7	44				
19	6122 - Black Spruce	Poletimber Well	3.2	90	51-80	N/A	Nice looking small acreage black spruce stand with fir and tamarack also mixed in. Seems to be a fairly wet site with a fair amount of standing water. This is likely due to a drain located primarily through S18 along the western and northern border of this stand, which has extended into this stand. This would explain the presence of black spruce and tamarack as major canopy components, and the presence of Labrador Tea in the understory.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		70	Pole	9	90	Tamarack	Low	5 - 10 feet	Sapling
Tamarack		7	Pole/Log	9		Red Maple	Low	< 5 feet	Sapling
White Pine		10	Pole	9		White Pine	Low	5 - 10 feet	Sapling
Red Maple		5	Pole	8		Labrador Tea	Medium	5 - 10 feet	Tall Shrub
Paper Birch		3	Sapling/Pole	4		Black Spruce	Low	5 - 10 feet	Sapling
Balsam Fir		5	Pole	7					
20	42210 - Natural Red Pine	Sawtimber Well	3.5	112	141-170	N/A	This stand is filled with older, super canopy red and white pine stems are prevalent in this small acreage stand. One of the only stands of this kind found so far in this compartment and would recommend leaving for age and vertical structure diversity in this area. Also, this stand is bordered by a lowland spruce, fir stand to the west, private to the south, and a drain the borders the northern part of the stand and extends east towards and through stand 17.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Pole/Sap/Log	8		Balsam Fir	High	Variable	Sapling
White Pine		25	Log/Pole/XLog	14	112	White Pine	Medium	Variable	Sapling
Red Pine		60	Log/XLog/Pole	16	112	White Spruce	Medium	< 5 feet	Sapling
White Spruce		10	Pole	8		Hemlock	Trace	>20 feet	Pole
						Black Cherry	Low	5 - 10 feet	Sapling
21	500 - Water	Nonstocked	3.7			No	Small pond		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
22	4310 - Pine, Oak Mix	Poletimber Well	26.8	24	1-50	N/A	The stand was cut in 1998 and everything was cut except Oak, Red Pine and White Pine as residual. Aspen regenerated alright. There was some early browse damage but it managed to respond well. The aspen is above the browse line and seems to be doing fairly well, though there is inconsistent density of it throughout the stand. Aspen is just barely beginning to reach some merchantability		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	28	Log/Pole/XLog	14	87	Red Maple	Low		5 - 10 feet	Sapling
White Pine	15	Log/Pole/XLog	16	87	Red Pine	Low		< 5 feet	Sapling
Bigtooth Aspen	30	Sapling/Pole	4	24	White Pine	Medium		Variable	Sapling
Red Oak	27	Log	14	87	Black Cherry	Medium		5 - 10 feet	Sapling
23	429 - Mixed Upland Conifers	Poletimber Well	24.1	36	81-110	N/A	Part of stand is wet with water flowing through seasonally. The upland portion of the stand is mostly an aspen-pine complex, with a less dense, upland black cherry shrub component to it. The western portion of the stand is more dense with aspen, white pine, and fir. The lowland portion of this stand has higher amounts of balsam fir and a lesser component of spruce associated in it, for more of an aspen-fir/spruce complex.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	15	Log/Pole/XLog	12		Balsam Fir	Low		< 5 feet	Sapling
Jack Pine	3	Sapling	3		White Pine	High		Variable	Sapling
Red Maple	5	Sapling/Pole	4	36	Black Cherry	Medium		5 - 10 feet	Sapling
Quaking Aspen	35	Pole/Sap/Log	5	36	Tag Alder	Medium		5 - 10 feet	Tall Shrub
White Spruce	5	Pole	6		Red Pine	Low		5 - 10 feet	Sapling
Red Pine	25	Log/Pole/XLog	10		Red Maple	Medium		< 5 feet	Sapling
Balsam Fir	12	Pole/Sapling	5	36					
24	42290 - Natural Mixed Pine	Poletimber Well	8.9	37	51-80	N/A	Diverse stand in terms of density and diameter, and sort of acts as a transition between a drain that runs through S18, S17, and into S31. Portion of stand to the west, that juts up to the north, is dense with pole sized white pine, red pine, and balsam fir. As you progress east in the stand, the density drops and diameter increases as these stems seem to be mostly open grown. There is also a higher component of jack pine and quaking aspen in this less dense area before you get into more dense WP and spruce at the far east end against S31. There are also some trace amounts of Cedar and sugar maple in this stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	25	Pole/Sapling	5	37	White Pine	Medium		5 - 10 feet	Sapling
Red Pine	20	Pole/Sapling	6		Black Cherry	Medium		5 - 10 feet	Sapling
Quaking Aspen	5	Sapling/Pole	4		White Spruce	Medium		Variable	Sapling
White Pine	40	Pole/Sap/Log	7	37	Red Maple	Low		< 5 feet	Sapling
Jack Pine	5	Pole/Sapling	5		Balsam Fir	Medium		Variable	Sapling
Northern White Cedar	2	Pole	5		Paper Birch	Low		< 5 feet	Sapling
White Spruce	3	Pole/Sapling	5						
25	42290 - Natural Mixed Pine	Poletimber Well	4.7	57	51-80	N/A		Narrow strip along north line of private property.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
White Pine	30	Pole/Log/XLog	9	57	Balsam Fir	Low	5 - 10 feet	Sapling	
Balsam Fir	20	Pole/Sapling	8		White Pine	Low	5 - 10 feet	Sapling	
Paper Birch	5	Pole	6		Red Maple	Low	5 - 10 feet	Sapling	
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26	4199 - Other Mixed Upland Deciduous	Sawtimber Well	2.6	87	51-80	N/A	This little stand was left uncut when adjacent stand was cut. Consists of a pretty even mixture of bigtooth aspen, red oak, and red maple. Predominately sawlog sized trees in this stand, which varies from most of the surrounding stands. Is a nice candidate stand for retention to increase some structural diversity in the area.																																																			
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27	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	7.7	87	1-50	N/A	Uncut portion of stand 23 because of poor quality and being wet.																																																			
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28	42290 - Natural Mixed Pine	Sapling Well	14.5	17	Immature	N/A	This stand was cut last entry. Regeneration is coming along well with a good mix of jack pine and aspen. Looks like a previous clearcut with larger diameter red pine and white pine left as retention. Regeneration of pine species and aspen is coming in very well. Maintain and reassess at next inventory cycle.																																																			
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29	6118 - Lowland Deciduous with Cedar	Sawtimber Well	3.1	87	81-110	N/A	Stream flowing through stand, an extension of the drain that also flows through S32 to the east. Although this stand has higher amounts of aspen in it.																																																			
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30	3105 - Mixed Upland Herbaceous	Nonstocked	4.4		Unspecified	No	There is a 35-40" DBH white spruce located in this opening.																																															
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31	6220 - Alder/willow	Nonstocked	44.0		Unspecified	No	McMaster's Creek Floodplain																																															
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32	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	4.5	107	81-110	N/A	Cedar-Tamarack-Spruce complex located in a drain the eventually flows into private property to the East. There is a fair amount of deterioration in the aspen within this stand, as well as blow down associated with the Fir-Spruce component.																																															
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33	4130 - Aspen	Poletimber Well	30.7	36	Unspecified	N/A	The bigtooth aspen tends to exist towards the southern portion of this stand, where it becomes a bit more of a pure aspen stand with a lesser oak component and mixed conifer species. The finger of stand that extends to the north and exists west of the drain consists of mostly quaking aspen with some bigtooth aspen mixed in, but has a higher component of oak present. This can likely be attributed to the lack of growth of aspen here, as it was suppressed by the oak present.																																															
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34	42290 - Natural Mixed Pine	Poletimber Medium	7.9	48	1-50	N/A	This stand was roller chopped in 1974 to maintain opening, but is filling in with Jack Pine. Jack pine filled in some areas of the stand, however some aspen has begun to trickle into the stand from S33 to the north. The rest of the stand consists of a mixture of upland black cherry shrub and white pine.																																															
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35	42210 - Natural Red Pine	Sawtimber Well	3.8	85	111-140	N/A	Small acreage red pine stand. Not quite ready to harvest, even if it were, i would recommend waiting till the larger acreage red pine stands to the south were also ready to harvest and lump them in together for a treatment.																																															
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36	4133 - Aspen, Mixed Pine	Sapling Well	46.9	24	1-50	N/A	Aspen cut in 1998 with Pine and Oak left as residual. Aspen regeneration is doing really well but still isn't ready for harvest. Maintain stand for aspen regeneration and reassess at next inventory cycle. Stand is more dense as you move to the west, southwest over near private. Here, more red pine and oak was retained. You'll also find some oak sapling regeneration over here as well.																																															
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37	6122 - Black Spruce	Poletimber Well	5.2	72	1-50	N/A	Small, isolated Spruce/Tam. bog. The stand crosses over on to private property.																																															
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38	3105 - Mixed Upland Herbaceous	Nonstocked	1.0		Unspecified	No	Small opening in the middle of a conifer swamp.																																															
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39	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	77.0	107	81-110	N/A	Somewhat poor quality swamp that is fairly wet. Only access is through private. Private property is on 3 sides.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
41	42210 - Natural Red Pine	Sawtimber Well	24.3	65	111-140	N/A	The stand was cut in 1998 and the Pine and Oak was left. Some browse damage has occurred in the aspen regeneration, but it is not doing badly. Red pine is looking very nice as a log/pole stand. Aspen regen pockets are few and far between within this stand. Would look to treat next inventory cycle, as the basal area isn't quite ready for a thinning yet. There is some moderate oak regeneration occurring as well, which is encouraging.																																																	
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42	3105 - Mixed Upland Herbaceous	Nonstocked	1.1		Unspecified	No	Old landing site																																																	
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43	42210 - Natural Red Pine	Sawtimber Well	13.1	64	81-110	N/A	Looks as though a species removal was previously prescribed for this stand, with aspen and red maple being cut. The aspen regeneration that exists in this stand looks pretty good, though you can tell that elk have browsed it fairly heavily over the years. The majority of the aspen regen exists towards the south, southeast of the stand, and is more purely red pine to the north and west, where it doesn't appear that any red pine was thinned out to facilitate aspen expansion, regen here.																																																	
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44	3105 - Mixed Upland Herbaceous	Nonstocked	3.8		Unspecified	No																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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46 3105 - Mixed Upland Herbaceous Nonstocked 2.5 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Bracken Fern	Low		Non-Wood
Mixed Grasses	Medium		Non-Wood
Sedges	Medium		Non-Wood
Sweet Fern	Medium		Tall Shrub

47 6120 - Lowland Cedar Poletimber Medium 2.1 105 1-50 N/A Lowland mixed conifer stand with a high percentage of cedar.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Pole	8	105	Paper Birch	Low	5 - 10 feet	Sapling
Black Spruce	30	Pole	10	105	Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	5	Pole	8		Black Spruce	Low	5 - 10 feet	Sapling
Paper Birch	5	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	10	Pole	8		Red Maple	Low	10 - 20 feet	Sapling

48 3105 - Mixed Upland Herbaceous Nonstocked 1.1 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Bracken Fern	Medium		Non-Wood
Red Pine	Low	>20 feet	Log
Sweet Fern	Medium		Tall Shrub
White Pine	Low	>20 feet	Log
Red Maple	Low	>20 feet	Log
Sedges	High		Non-Wood
Jack Pine	Trace	>20 feet	Pole
Bigtooth Aspen	Medium	>20 feet	Log
Black Cherry	Low	10 - 20 feet	Pole

49 4130 - Aspen Poletimber Well 52.4 46 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log/Pole/XLog	13		Red Maple	Low	10 - 20 feet	Sapling
Red Oak	5	Log/XLog	14		Balsam Fir	Low	10 - 20 feet	Sapling
Quaking Aspen	30	Pole	7	46	Red Pine	Low	10 - 20 feet	Sapling
Bigtooth Aspen	45	Pole/Log	8	46	White Pine	Low	10 - 20 feet	Sapling
Red Pine	5	Log/XLog	14					
Red Maple	10	Sapling/Pole	5	46				

Nice emerging pole stand That is ready for harvest. Some areas are less dense and smaller in diameter, predominately where quaking aspen is present. Mostly to the north, northwest which is slightly more of an upland, drier part of the stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
50	4123 - Red Oak	Sawtimber Medium	14.7	100	1-50	N/A	The stand had everything except some Oak removed around 2001. Severe browsing has damaged most of the Aspen, Red Maple and Oak. Browsing has definitely impacted the quality and amount of regeneration. The species that are having the most success are white pine, black cherry, and some aspen. Aspen from adjacent stands is driving most of the limited successful aspen regen seen in this stand. No oak regen was observed.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	5	Log/Pole	14		Black Cherry	Medium		5 - 10 feet	Sapling
Red Oak	95	Log	14	100	Red Oak	Low		< 5 feet	Sapling
					Bigtooth Aspen	Medium		< 5 feet	Sapling
					Red Maple	Medium		5 - 10 feet	Sapling
					Red Pine	Low		5 - 10 feet	Sapling
					White Pine	Low	5 - 10 feet	Sapling	
51	6124 - Lowland Spruce-Fir	Poletimber Well	5.0	72	51-80	N/A	Strip of Spruce/Tamarack along creek bottom. This stand extends into private property and overflows slightly into stand 54 and 56. Sensitive soils and standing water are present.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	40	Pole	8	72	Tag Alder	Low		5 - 10 feet	Tall Shrub
Tamarack	30	Pole	8	72	Balsam Fir	Medium		Variable	Sapling
Jack Pine	5	Pole	7		Black Spruce	Low		5 - 10 feet	Sapling
Red Pine	5	Log	14		Red Maple	Low		< 5 feet	Sapling
Balsam Fir	15	Pole	8						
Quaking Aspen	5	Log/Pole	10						
52	4130 - Aspen	Sapling Well	9.1	24	Unspecified	N/A	Regeneration coming back well, aspen isn't quite to merchantability but is getting close. Reassess at next inventory cycle.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	10	Sapling	4	24	Red Maple	Low		< 5 feet	Sapling
Red Oak	10	Log	14		Black Cherry	Medium		5 - 10 feet	Sapling
Red Pine	5	Log	14		White Pine	Medium		Variable	Sapling
Quaking Aspen	75	Sapling	4	24					
53	6220 - Alder/willow	Nonstocked	47.8		Unspecified	No	McMaster's Creek bottom		
Sub-Canopy Species	Density	Avg. Height	Size						
Alder	Full		Tall Shrub						
Black Spruce	Low	Unspecified	Pole						
Tamarack	Low	Unspecified	Pole						
Willow spp.	Low		Tall Shrub						
54	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	24.7	87	1-50	N/A	Open-grown Red Maple filling in with White Pine and Cherry. Some tamarack is present up the the norther part of the stand, where it borders stand 51 and transitions to lowland.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Cherry	25	Sapling/Pole	4		Pin Cherry	High		10 - 20 feet	Sapling
Red Oak	2	Log	14		White Pine	Medium		10 - 20 feet	Sapling
Paper Birch	2	Pole	10						
Quaking Aspen	20	Pole/Log	9						
White Pine	18	Pole/Sap/Log	8						
Red Pine	3	Log	16						
Red Maple	30	Log	14	87					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
55	3205 - Mixed Upland Shrub	Nonstocked	10.8		Unspecified	No																																																						
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56	42200 - Natural White Pine	Poletimber Well	18.5	85	51-80	N/A	Variable ages of mostly White Pine. Poor quality timber with large gaps of young trees. Some white spruce begins to enter the stand as you progress north and enter the lowland transition area along the creek bottom.																																																					
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57	3105 - Mixed Upland Herbaceous	Nonstocked	4.1		Unspecified	No																																																						
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58	4130 - Aspen	Sapling Medium	1.7	72	51-80	N/A	This small acreage aspen stand was cut when the adjacent S60 black spruce stand was also cut. Regen seems somewhat spotty but despite decent browse damage, is doing fairly well. A presence of balsam fir and white pine are also beginning to take hold as lesser components.																																																					
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59	320 - Upland Shrub	Nonstocked	23.0	0	Unspecified	No	Spruce stand cut in 2015-16. No regeneration to speak of yet.																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
60	3303 - Mixed Low Density Trees	Nonstocked	4.7	0	Unspecified	No	This was a black spruce stand that was clearcut. Upland with lowland, with some standing water throughout the stand.	
Sub-Canopy Species		Density	Avg. Height	Size				
Quaking Aspen		Low	< 5 feet	Sapling				
Balsam Fir		Low	< 5 feet	Sapling				
White Pine		Trace	>20 feet	Log				
Tag Alder		Medium	< 5 feet	Tall Shrub				
61	3302 - Low Density Conifer Trees	Nonstocked	20.3		Unspecified	No	Transition area along river bottom	
Sub-Canopy Species		Density	Avg. Height	Size				
Balsam Fir		Low		Pole				
Alder		Full		Tall Shrub				
Northern White Cedar		Low		Pole				
Black Spruce		Medium	Unspecified	Pole				
White Pine		Low	5 - 10 feet	Sapling				
62	6122 - Black Spruce	Poletimber Well	8.0	72	51-80	N/A	Slightly higher ground than surrounding S61 but overall still very wet. A nice looking lowland conifer stand with nicer quality log stems in it of tamarack and black spruce. Tag alder persists throughout the stand, giving strong indication of the high water table persisting here.	
Canopy Species		% Cover	Size Class	DBH	Age			
Jack Pine		5	Pole	6				
Northern White Cedar		30	Pole	8	72			
Tamarack		15	Log/Pole/XLog	10				
Black Spruce		50	Pole/Log	8	72			
Sub-Canopy Species		Density	Avg. Height	Size				
Balsam Fir		Low	5 - 10 feet	Sapling				
Black Spruce		Low	5 - 10 feet	Sapling				
Tag Alder		High	5 - 10 feet	Tall Shrub				
63	4134 - Aspen, Spruce/Fir	Poletimber Well	22.0	36	1-50	N/A	Approximately half of this stand is lowland with tag alder as a major component in the sub-canopy and canopy. Here, the aspen is not regenerating well. The rest of the stand is doing ok, though the site does not appear to be of high quality. As the majority of the stems are just reaching merchantability.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Maple		5	Pole/Sapling	5	36			
Quaking Aspen		60	Pole/Sapling	5	36			
White Pine		5	Pole/Sap/Log	6				
White Spruce		5	Pole/Sapling	5				
Black Cherry		5	Sapling	3				
Balsam Fir		18	Pole/Sapling	5	36			
Red Pine		2	Pole/Sap/Log	6				
Sub-Canopy Species		Density	Avg. Height	Size				
Balsam Fir		Medium	5 - 10 feet	Sapling				
White Pine		High	Variable	Sapling				
Red Oak		Trace	10 - 20 feet	Sapling				
Red Maple		Low	5 - 10 feet	Sapling				
Tag Alder		Medium	5 - 10 feet	Tall Shrub				
64	6124 - Lowland Spruce-Fir	Poletimber Well	44.5	92	51-80	N/A		
Canopy Species		% Cover	Size Class	DBH	Age			
Black Spruce		40	Pole	8	92			
Balsam Fir		15	Pole	9				
Northern White Cedar		25	Pole	8				
Tamarack		10	Pole	8				
Paper Birch		2	Log	12				
Black Ash		8	Pole/Sapling	6				
Sub-Canopy Species		Density	Avg. Height	Size				
Balsam Fir		Low	Variable	Sapling				
Black Spruce		Low	10 - 20 feet	Sapling				
Tag Alder		Medium	5 - 10 feet	Tall Shrub				
Black Ash		Low	< 5 feet	Sapling				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
65	6113 - Lowland Maple	Sawtimber Medium	110.1	95	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Silver Maple		10	Log	14	95	Black Ash	Medium	5 - 10 feet	Sapling
Red Maple		70	Pole/Log	10	95	Balsam Fir	Low	10 - 20 feet	Sapling
Black Ash		20	Pole	9					
66	6220 - Alder/willow	Nonstocked	1.5		Unspecified	No	Edge of beaver marsh that runs over the compartment line from the north.		
Sub-Canopy Species		Density	Avg. Height	Size					
Willow spp.		Medium		Tall Shrub					
Alder		High		Tall Shrub					
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67	4133 - Aspen, Mixed Pine	Sawtimber Well	7.1	104	81-110	N/A	High ridge that touches the Black River bank and goes northeast into the swamp. Surrounding swamp is very wet with no access to the ridge. Aspen is in poor shape with plenty of cavities.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		15	Pole	8		Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir		5	Pole	8		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen		60	Log/Pole	12	104	Red Pine	Low	5 - 10 feet	Sapling
Red Pine		20	Log	14					
68	42210 - Natural Red Pine	Sawtimber Well	5.1	88	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch		5	Log/Pole	10	88	Northern White Cedar	Low	>20 feet	Pole
Balsam Fir		3	Pole	8		Red Maple	Low	>20 feet	Sapling
Black Spruce		2	Pole/Sapling	8		Balsam Fir	Medium	Variable	Sapling
Red Pine		75	Log/Pole	14	88				
Red Maple		15	Pole	8					
69	6124 - Lowland Spruce-Fir	Poletimber Poor	6.7	40	Unspecified	N/A	Wet area with low volume trees. Lots of standing water and the understory is dense with tag alder.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		25	Pole/Sapling	6	40	Balsam Fir	High	10 - 20 feet	Sapling
Balsam Fir		25	Pole	6	40	Tag Alder	High	5 - 10 feet	Tall Shrub
Northern White Cedar		35	Pole/Sapling	6	40				
Black Ash		15	Pole/Sapling	6	40				
70	6124 - Lowland Spruce-Fir	Poletimber Well	169.4	104	81-110	N/A	Composition of stand varies regarding %'s of species throughout. The size of the wood tends to be smaller toward the interior. A large portion of this stand is quite wet.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		5	Pole	8		Labrador Tea	Medium	< 5 feet	Tall Shrub
Black Spruce		45	Pole	8	104	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar		40	Pole/Sapling	8	104	Black Spruce	Medium	5 - 10 feet	Sapling
Tamarack		10	Pole	8	104	Balsam Fir	Medium	5 - 10 feet	Sapling



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71	6124 - Lowland Spruce-Fir	Sapling Well	3.1	38	Unspecified	N/A	Wet area that is dense with tag alder and balsam fir in the understory. Predominately saplings stems found in this stand with the occasional pole; except for tamarack, which for some reason has a large average diameter per stem.																																																																
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72	6124 - Lowland Spruce-Fir	Poletimber Well	12.6	44	1-50	N/A	Swamp cut in 1978. This stand becomes wetter and more of a spruce-fir swamp as you progress west, though there is a thin strip of higher ground along its eastern boundary. On this higher ground is where the majority of the RM stems are located. Diameters of stems also seems to correlate between upland and lowland, with smaller diameter stems seeming to persist in the wetter areas. Previous inventory seemed to mention a fair amount of elm regeneration but I didn't come across any; though I did notice some diamond willow in the understory.																																																																
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73	42290 - Natural Mixed Pine	Sawtimber Well	4.1	95	81-110	N/A	Mature pine along the edge of the swamp. Not many stands around this compartment that have this composition of large diameter red and white pine. Would recommend just maintain, as it is a small acreage stand between a clear cut and lowland conifer stand. Adds some nice vertical structure to the landscape in this transitional area.																																																																
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74	4130 - Aspen	Sapling Well	49.3	4	Immature	N/A	Stand was cut in 2018. Skeeterville Aspen. Final harvest portion of stand 18 that is south of Rd. 37. Overall, good regenerating aspen stand; although there are some areas where density is lacking, specifically in wet areas where retention wasn't utilized. Specifically in the drain that extends north from S29 to S18, and a wet area found in the middle of the stand. Heavy browse is evident throughout the stand, as there is plenty of evidence suggesting high browse impact due to elk activity. Curious to see how this browse impacts the progression of the stand, though it appears as though it should be ok.																																																																
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75	310 - Herbaceous Openland	Nonstocked	5.1		Unspecified	No																																																																	
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76	4130 - Aspen	Sapling Well	25.6	5	Immature	N/A	Stand was part of the Shan Gra La Mix sale cut in the summer/fall of 2017. Stand has some nice aspen regen in it, despite the high amount of elk sign and browse present...which is surprising. There are minimal areas where the browse has impacted the growth and density of the aspen. A drain was included in the original treatment of this stand, extending south from the north (stand 77). Here, aspen growth and density is minimal and tag alder is taking advantage.																																																		
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77	4130 - Aspen	Poletimber Well	31.7	46	51-80	N/A	Nice quaking aspen pole stand with a nice distribution of pole and saw timber A good diversity of species exists, including lesser components not mentioned above such as: Jack pine, White and Red oak, and Black Cherry. However, each of these are only present in trace amounts. There were 17 plots recorded using a a 10 BAF prism for an average of 75 sq ft per acre.																																																		
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78	4134 - Aspen, Spruce/Fir	Poletimber Well	2.0	36	Unspecified	N/A																																																			
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80	6113 - Lowland Maple	Sawtimber Medium	6.8	95	51-80	N/A	Lowland deciduous stand that frequently floods in the spring.																																																		
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81	4130 - Aspen	Poletimber Well	15.9	36	1-50	N/A	Variable diameter and density stand, but low in density overall in terms of aspen. There are a few small pockets where BA's are a little higher, along with nice quality stem; however, larger pockets of poor quality, mostly non-merchantable aspen mostly exists. Reassess this stand at next inventory to see how it's coming along.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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82 3201 - Sweet Fern Nonstocked 11.6 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	5 - 10 feet	Sapling
Quaking Aspen	Low	>20 feet	Pole
Balsam Fir	Low	5 - 10 feet	Sapling
Sedges	Medium		Non-Wood
White Pine	Low	5 - 10 feet	Sapling
Sweet Fern	High		Tall Shrub
Bracken Fern	Medium		Non-Wood
Black Cherry	Low	10 - 20 feet	Pole

83 4133 - Aspen, Mixed Pine Sapling Medium 1.6 18 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	6	Sapling	3	
Balsam Fir	3	Sapling	2	
Black Cherry	5	Sapling	1	18
Jack Pine	3	Sapling	3	
Red Pine	15	Sapling/Pole	4	
Red Oak	3	Pole	6	
Quaking Aspen	65	Sapling	3	18

Sub-Canopy Species	Density	Avg. Height	Size
Sweet Fern	High	< 5 feet	Tall Shrub
Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
Red Maple	Low	< 5 feet	Sapling

Small pocket of Aspen that was cut when stand 88 was thinned in approx. 2006. Aspen has come in spotty, other species have taken advantage of the open area which has lead to a fairly diverse stand. Due to the stand of red pine encompassing most of this stand, red pine natural regeneration is coming in nicely.

84 4130 - Aspen Sapling Medium 5.7 6 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	4	Sapling	1	6
White Pine	4	Sapling	2	6
Red Oak	7	Pole	7	
Quaking Aspen	85	Sapling	1	6

Aspen regen is looking pretty good, getting some decent height as well. Not many bare spots, which is good considering it's small size in acreage. Oak pulp trees were left as retention and seems to be responding to the release well thus far.

85 6113 - Lowland Maple Sawtimber Medium 15.3 95 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	70	Pole/Log	10	95
Silver Maple	10	Log	14	95
Black Ash	20	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Black Ash	Medium	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
86	3105 - Mixed Upland Herbaceous	Nonstocked	2.3		Unspecified	No	Vertical and species diverse stand surrounded by aspen clear cut.																																																
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87	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Well	21.8	70	51-80	N/A	Poor quality Jack Pine plantation. Much of the jack pine has fallen over, leading to large gaps and holes in the canopy. Likely should have been previously clearcut. Jack pine has acted as a quality nurse tree for red maple regen, as it is doing very well here. Red maple is taking over in these vacated areas left by deteriorating jack pine.																																																
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88	42110 - Planted Red Pine	Sawtimber Well	15.2	61	141-170	N/A	This stand was row-thinned in 2004. Nine plots were recorded using 10 BAF Prism for an average of 143 sq ft per acre. Nice looking RP stand that looks ready for treatment again. Some of the access generated from the first thinning in 2004 looks like it may be a little narrow so will have to pay attention to that during timber sale prep.																																																
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89	4130 - Aspen	Poletimber Well	22.1	36	1-50	N/A	Nice emerging aspen pole stand, where both quaking and bigtooth aspen are present. Stand is not currently ready for harvest, as there is still a large percentage of non merchantable stems present. Healthy white pine and balsam fir regeneration are incorporating a nice conifer component in this stand. There were 10 plots recorded using a 10 BAF prism for an average of 48 BA per acre. This stand is not quite ready for harvest but very may be upon evaluation during the next inventory cycle.																																																
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90	6130 - Fir, Aspen, Maple	Poletimber Well	2.0	46	51-80	N/A	This stand is part of a larger stand that extends into the compartment to the east. Much of the aspen within this stand has or is deteriorating. Balsam fir and tamarack have begun to take advantage of this. Has the feel of more of a lowland site with the presence of standing water throughout the stand, though the ground seems to be solid.																																																
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92	4131 - Aspen, Oak	Poletimber Well	3.3	31	Unspecified	N/A	Part of an older sale to the east in the adjacent compartment. Most of the aspen in this stand is not of merchantability, as it has been suppressed by the large diameter red oak present in this stand.																																																																								
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93	4130 - Aspen	Sapling Well	12.1	17	Unspecified	N/A	Cut in 2005 and has suffered some browse damage throughout the stand. In areas where browse damage was heaviest and affected regeneration, black cherry, white pine, red pine and jack pine are taking advantage. Despite these areas, the aspen is looking fairly good. Just maintain and see how it is progressing come next inventory cycle.																																																																								
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94	4133 - Aspen, Mixed Pine	Poletimber Well	7.6	46	51-80	N/A	This is sort of an unique stand, as its a tale of two halves. The south-eastern portion somewhat has a lower, richer soil feel to it. With larger diameter big tooth, red maple, and red pine being present here. While the north-western stand has more of a sandier, upland feel with a higher white pine component. Smaller diameters and lesser quality aspen seem to be found here, despite it being a very minimal change in elevation from one half of the stand to the next. Overall, there is a good diversity of log and pole sized stems from all species present, and while you could argue to delay treatment on this stand to potentially align with 89 next inventory cycle, I doubt it benefits this stand much.																																																																								
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