



Compartment Review Presentation

Pigeon River Country Forest Management Unit

Compartment 53028

Entry Year 2019

Acreage: 2,075

County Cheboygan

Management Area: Pigeon River Country

Revision Date: 2017-06-12

Stand Examiner: Richard McDonald

Legal Description:

T33N - R01E sections 22, 23, 24, 27

Identified Planning Goals:

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

Soil and topography:

Flat to gently rolling. Soils are mostly Rubicon and Cheboygan sands.

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

Almost entirely state owned, except for a couple small ownerships.

Unique Natural Features:

Historical MNFI records indicate the presence of RSH in the NE and SW of the compartment. Further review may be required if affected by any treatments.

Archeological, Historical, and Cultural Features:

None identified.

Special Management Designations or Considerations:

None identified.

Watershed and Fisheries Considerations:

None identified.

Wildlife Habitat Considerations:

Please refer to Wildlife Biologist's comments.

Mineral Resource and Development Concerns and/or Restrictions

Sections 22, 23 & 27 - 29, T33N-R1E, Cheboygan County

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and coarse-textured till. The glacial drift thickness varies between 100 and 200 feet. Beneath the glacial drift is the Devonian Antrim Shale that is quarried for cement products elsewhere in the State. A gravel pit is located two miles to the north and potential is considered good on the uplands. This area was previously leased for oil and gas development in the Niagaran reef trend. Niagaran reef production and the Antrim Shale are both in this Compartment and there is additional oil and gas potential. Part of the Compartment is currently leased.

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. Nondevelopment (no surface infrastructure including pipelines, new roads, utility lines, well pads, etc.) oil and gas leasing may be considered.

Vehicle Access:

There is good access to most, if not all, of the compartment. Some of the roads, however, have been closed to wheeled motorized vehicles with berms or posts. Some closures are in need of repair.

Survey Needs:

None required.

Recreational Facilities and Opportunities:

The High Country Pathway passes through the corner of section 24. The MCCCT trail runs through the compartment, but follows the county road.

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. Some road systems are closed with berms or posts.

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:

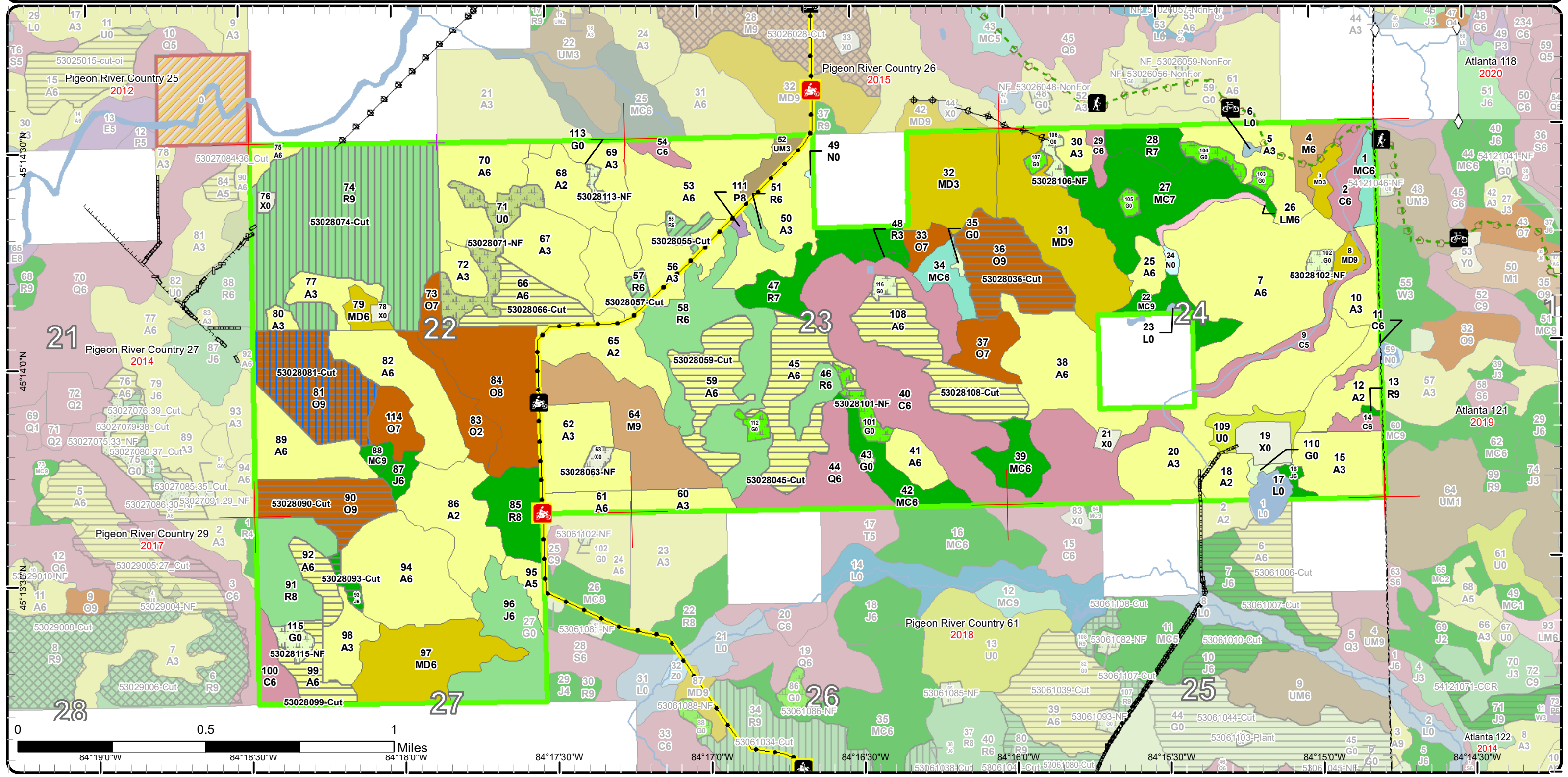
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 28
 T33N, R01E, Sec: 22, 23, 24
 County: Cheboygan
 Unit: Pigeon River Country
 Mgmt Area: Pigeon River Country
 YOE: 2019
 Acres: 2074.5 GIS Calculated
 Examiner: Richard McDonald
 Map Revised: 1/10/2018
 Map Phase: Post-Review

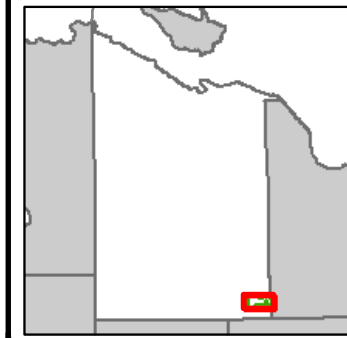


- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- Bike Trails
- Motorcycle Trails (SOS License)
- Hiking Trails
- MCCCT Trails
- Ski Trails
- - Designated Hiking Trails
- - Designated Bicycle Trails
- - - Designated Ski Trails
- - - Designated Snowshoe Trails
- ORV License
- Michigan Cross Country Cycle Trail (MCCCT)
- Streams
- Lakes and Rivers All
- Pipeline
- Powerline
- Compartment Boundary
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 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
- 211 - Cropland
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated
- Lakes

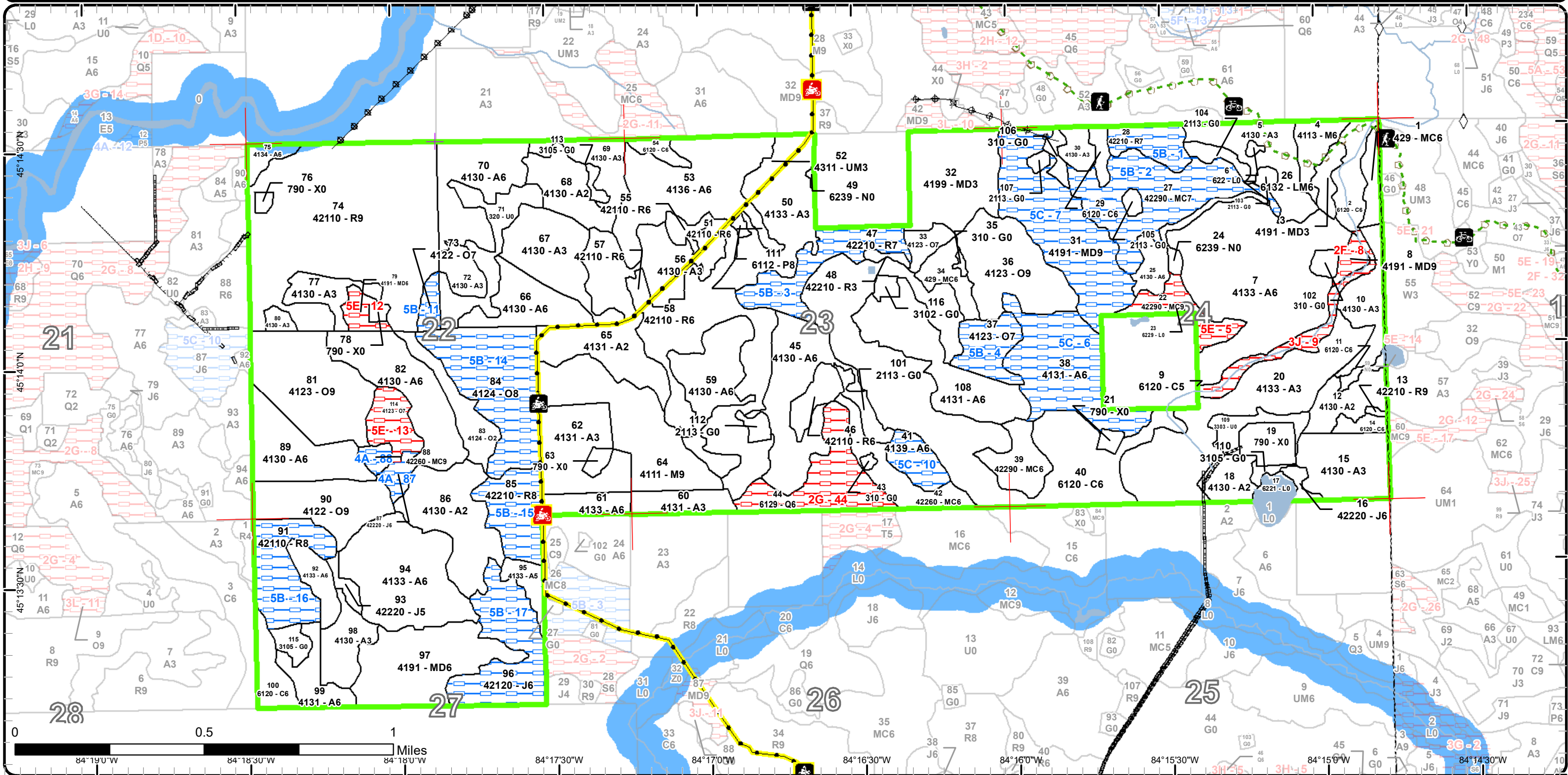


Special Conservation Areas & Site Conditions Map

Compartment: 28
 T33N, R01E, Sec: 22, 23, 24
 County: Cheboygan
 Unit: Pigeon River Country
 Mgmt Area: Pigeon River Country
 YOE: 2019
 Acres: 2074.5 GIS Calculated
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- Miris Corners
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- - Designated Bicycle Trails
- - Designated Ski Trails
- - Designated Snowshoe Trails
- ORV License
- Michigan Cross Country Cycle Trail (MCCCT)
- Streams
- Lakes and Rivers All
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- - Unavailable
- 4A: No Markets Available for these Forest Products
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- 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	167	129	121	194	124	177	0	0	0	0	0	0	0	0	0	0	7	919
Bare/Sparsely Vegetated	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Cedar	0	0	0	0	0	0	0	0	4	121	19	24	0	0	0	0	0	0	167
Cropland	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Herbaceous Openland	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Jack Pine	0	0	0	0	0	0	6	40	0	0	0	0	0	0	0	0	0	0	46
Low-Density Trees	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Lowland Conifers	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	30
Lowland Mixed Forest	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
Lowland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
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	44	0	0	0	0	0	63	0	0	0	0	0	0	0	42	149
Natural Mixed Pines	0	0	0	0	0	0	16	0	0	0	58	0	0	0	3	0	0	14	91
Northern Hardwood	0	0	0	0	0	0	0	0	10	0	46	0	0	0	0	0	0	0	56
Oak	0	0	0	14	0	0	0	0	6	175	12	0	0	0	0	0	0	0	207
Red Pine	0	0	0	2	0	0	78	0	0	176	38	0	0	0	0	0	0	0	294
Upland Conifers	0	0	0	0	9	0	0	0	7	0	0	0	0	0	0	0	0	0	16
Upland Mixed Forest	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Shrub	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Total	92	167	135	181	203	124	277	40	31	565	173	24	0	0	3	0	0	63	2076



Report 2 – Treatment Summary

Acres of Harvest

Commercial Harvest - 390
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	144	0	0	0	0	0	0	0	0	144
Jack Pine	3	0	0	0	0	0	0	0	0	3
Oak	63	0	0	45	0	0	0	0	0	108
Red Pine	0	0	0	0	128	7	0	0	0	135
Total	210	0	0	45	128	7	0	0	0	390

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	390	0	0	0	0	0	0	58	0	448
Next Step	0	0	0	0	0	0	383	0	0	383
Total	390	0	0	0	0	0	383	0	58	831



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
36	53028036-Cut	35.9	4123 - Red Oak	Sawtimber Well	83	81-110	Harvest	Clearcut with Retention	412 - Oak Types	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Clearcut with clumps of 1-4 Oak trees every 3 acres.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Oak stump sprouting is the objective, but a mixture of other species will be acceptable. There should be an intermediate monitoring stage to check on regeneration success of the Oak.

Other

Comment:

Proposed Start Date: 10/01/2018

43	53028043-NF	0.8	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

45	53028045-Cut	36.3	4130 - Aspen	Poletimber Well	52	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Clear cut with 2-3 retention islands with a good Oak component left along the edges. Cut all Oak outside those retention pockets. Add Oak wilt spec to contract language.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Aspen is the objective but a mix of other species along with aspen that meet good or moderated stocking levels will be acceptable in determining regeneration success.

Other

Comment:

Proposed Start Date: 10/01/2018

55	53028055-Cut	4.0	42110 - Planted Red Pine	Poletimber Well	56	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription This is a second thinning of a Red Pine plantation. Mark individual pine that are suppressed or of lesser quality in order to open up the crowns of the remaining crop trees. This is not a regeneration cut but rather intended to add growth to the crowns and add wood to the remaining crop trees.

Specs:

Next Step

Treatments:

Acceptable Regen: Not a regeneration cut.

Regen:

Other

Comment: Add recreation trail protection specs to the sale.

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
57	53028057-Cut	2.8	42110 - Planted Red Pine	Poletimber Well	56	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription This is a second thinning of a Red Pine plantation. Mark individual pine that are suppressed or of lesser quality in order to open up the crowns of the remaining crop trees. This is not a regeneration cut but rather intended to add growth to the crowns and add wood to the remaining crop trees.

Next Step
Treatments:

Acceptable Not a regeneration cut.
Regen:

Other Protect cycle trail signs along road.
Comment:

Proposed Start Date: 10/01/2018

59	53028059-Cut	28.0	4130 - Aspen	Poletimber Well	52	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Clear cut with 2-3 retention islands with a good Oak component. Cut the Oak outside those retention islands. Some red pine may be left where it borders plantation but may be an opportunity to expand the aspen type. Add Oak will spec to contract language.

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

Acceptable Aspen is the objective but a mix of other species with aspen will be acceptable for regeneration success as long as it meets a good or moderate stocking level.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

63	53028063-NF	2.5	790 - Other Bare/Sparsely Vegetated	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

66	53028066-Cut	20.2	4130 - Aspen	Poletimber Well	57	81-110	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Clear cut Aspen and all other species except Oak. Oak residual should be left in retention islands and not left throughout the stand. Oak wilt spec should be added to contract language.

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

Acceptable Aspen is the objective but a mixture other species with aspen meeting a good or medium stocking level will be acceptable in determining regeneration success.
Regen:

Other Protect cycle trail signs.
Comment:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
71	53028071-NF	20.9	320 - Upland Shrub	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

74	53028074-Cut	128.2	42110 - Planted Red Pine	Sawtimber Well	80	81-110	Harvest	Shelterwood	4221 - Natural Red Pine	Two-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mark Red Pine to cut to 40-60 BA creating large canopy gaps where there is already established red pine regeneration and also where there is

Specs: poor regeneration of any kind to encourage red pine to seed in. Areas of advanced oak and/or aspen regeneration may have to be worked in carefully to avoid damaging too much regeneration.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable All efforts should be made to protect the existing Red Pine regeneration and encourage new Red Pine, but a mix of present species along with

Regen: the Red Pine will be acceptable.

Other

Comment:

Proposed Start Date: 10/01/2018

81	53028081-Cut	44.7	4123 - Red Oak	Sawtimber Well	82	51-80	Harvest	Seed Tree	412 - Oak Types	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mark Oak seed trees to about 10-20 BA. Leave a couple small uncut clumps, but cut everything else. Oak wilt specs in contract language.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Look for Oak stump sprouts along with oak recruitment in the canopy gaps.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

90	53028090-Cut	26.9	4122 - Oak, Pine	Sawtimber Well	82	51-80	Harvest	Clearcut with Retention	4121 - Oak, Aspen	Two-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Clearcut with 2-3 retention islands. Mark just a few individual Oak and Pine scattered widely throughout the stand to leave. Oak wilt specs in

Specs: contract language.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of oak, pine and aspen will be acceptable for regeneration success. The goal is to have a mixed upland forest while

Regen: maintaining some mature trees for mast production, etc.

Other

Comment:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
92	53028092-Cut	9.5	4133 - Aspen, Mixed Pine	Poletimber Well	45	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Clear cut with only retention being a few oak and some red pine as seed trees. Small acreage so little need for much retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen should regenerate well unless there are browse issues.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

93	53028093-Cut	3.3	42220 - Natural Jack Pine	Poletimber Medium	51	1-50	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Cut all species within this stand. Combine with stand 92 and 99 when creating sale.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Jack Pine is the objective but with the mix of species surrounding the stand, a mix of species will be acceptable for success of the stand.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

99	53028099-Cut	12.1	4131 - Aspen, Oak	Poletimber Well	47	1-50	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Cut all species except Red and White Oak. If necessary to cut more oak to enhance the aspen regeneration success, take out additional Red Oak.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen regeneration should do well, but a mix of aspen with other species will be acceptable for success. Try and protect any advanced Oak regeneration.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

101	53028101-NF	5.9	2113 - Forage Crops Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify		310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
102	53028102-NF	2.9	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

103	53028103-NF	1.9	2113 - Forage Crops	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

104	53028104-NF	4.3	2113 - Forage Crops	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

105	53028105-NF	2.0	2113 - Forage Crops	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
106	53028106-NF	3.3	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

107	53028107-NF	1.6	2113 - Forage Crops	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

108	53028108-Cut	38.0	4131 - Aspen, Oak	Poletimber Well	53	51-80	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Clear cut, but leave some mature pine. Oak residual should left within retention islands and not scattered throughout the stand. Pocket of

Specs: mature pine may be left for retention but it is of very poor quality. Add Oak wilt spec to contract language.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen along with a mix of other species will be acceptable in determining regeneration success as long as it meets medium stocking standards.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

112	53028112-NF	2.9	2113 - Forage Crops	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
113	53028113-NF	1.9	3105 - Mixed Upland Herbaceous	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

115	53028115-NF	4.7	3105 - Mixed Upland Herbaceous	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

116	53028116-NF	2.3	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mow, plant, brush,burn, or herbicide to maintain openings. Plant hard or soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

**Total Treatment
Acreage Proposed: 447.8**

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit
Richard McDonald : Examiner

Compartment: 28
Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions							
		With Condition			4A	5B	5C	2F	2G	3J	5E	
918	864	54	0	Aspen			54				0	
17	17	0	0	Bare/Sparsely Vegetated								
167	155	0	12	Cedar							12	
19	19	0	0	Cropland								
19	19	0	0	Herbaceous Openland								
46	6	40	0	Jack Pine	5	35						
8	8	0	0	Low-Density Trees								
1	1	0	0	Lowland Aspen/Balsam Poplar								
30	0	0	30	Lowland Conifers						30		
3	3	0	0	Lowland Mixed Forest								
6	6	0	0	Lowland Shrub								
2	2	0	0	Marsh								
149	86	54	10	Mixed Upland Deciduous			54	4				5
92	30	50	12	Natural Mixed Pines	3	46						12
56	56	0	0	Northern Hardwood								
206	127	67	12	Oak		67						12
293	208	85	0	Red Pine		85						
16	16	0	0	Upland Conifers								
6	6	0	0	Upland Mixed Forest								
21	21	0	0	Upland Shrub								
2,075	1,651	348	76	Total Forested Acres	8	233	108	4	30	12	30	
	80%	17%	4%	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 Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit
Richard McDonald : Examiner

Compartment: 28
Year of Entry: 2019

2	Available	5B: Maintain for regeneration purposes	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5B: Maintain for regeneration purposes	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This portion of a larger Aspen stand is the uncut portion. The stand needed to be divided in order to get closed to the 40 acre clearcut guidelines in the Concept of Management. This stand will be cut the next year of entry.							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	54	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit
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8	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5B: Maintain for regeneration purposes	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5B: Maintain for regeneration purposes	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit
Richard McDonald : Examiner

Compartment: 28
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15	Available	5B: Maintain for regeneration purposes	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5B: Maintain for regeneration purposes	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5B: Maintain for regeneration purposes	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
87	Available	4A: No Markets Available for these Forest Products	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
88	Available	4A: No Markets Available for these Forest Products	3	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.

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Pigeon River Country Mgt. Unit

Report 7 – Forested Stands

Compartment: 28
Year of Entry: 2019

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	429 - Mixed Upland Conifers	Poletimber Well	7.0	77	51-80	
2	6120 - Lowland Cedar	Poletimber Well	13.1	97	81-110	OI Stand Year Origin was 1920. Black Ash overstory component has died out.
3	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	5.9	25	Immature	
4	4113 - R.Maple, Conifer	Poletimber Well	9.7	77	81-110	Adjacent to deer yard and heavily used as wildlife travel corridor.
5	4130 - Aspen	Sapling Well	24.2	28	Immature	Scattered Oak is residual from last cut.
7	4133 - Aspen, Mixed Pine	Poletimber Well	86.5	40	51-80	Stand Year Origin was 1977
8	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	4.1	82	51-80	Sidehill along drainage that didn't get cut. Save for retention.
9	6120 - Lowland Cedar	Poletimber Medium	12.5	102	51-80	Stand Year Origin was 1916. Narrow drainage.
10	4130 - Aspen	Sapling Well	16.2	7	Immature	Stand cut as part of Abbe's Aspen (#53-008-10-01), bought and cut by Nash Forest Products. 06/03/2016 Regen survey results - QA 660 TPA (5'), BTA 1180 TPA (7'), WP 380 TPA (1.5'), RP 260 TPA (1.5'), BAM 40 TPA (4'), RM 280 TPA (1'). Regen failure because stand falls below 2000 TPA required for A MO. However, aspen regen has been quite successful in most spots with only minor browsing impacts as compared to the rest of the stands that were cut in this sale. Red and white pine have seeded in nicely in some areas which should help this stand reach near full stocking in the future. Accept regen as is. Scattered oak and pine residual. OPIC - FMD: This stand was added to the 2010 Aspen acres to harvest in an attempt to balance the Aspen age class. Leave small uncut islands and some individual trees for retention. Leave Oak and some Pine. ----- Stand was clearcut in 2011. Some Pine was left and some Oak for retention, as well as some retention islands.
11	6120 - Lowland Cedar	Poletimber Well	2.3	97	171-200	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
12	4130 - Aspen	Sapling Medium	14.1	7	Immature	Stand cut as part of Abbe's Aspen (#53-008-10-01), cut by Nash. Whole-tree job, quite a bit of scarification took place through harvesting practices. 06/03/2016 Regen survey results - QA 575 TPA (4'), BTA 500 TPA (3'), WA 750 TPA (1'), RP 125 TPA (1'), WP 325 TPA (1'). Regen failure because aspen TPA falls below 2000 TPA requirement. Regen success is spotty, much better closer to the road. Aspen at the far east end and the north end close to the cedar stand are being wiped out by browse. Stump sprouts of maple and birch have been blasted, didn't notice any live ones. Some cedar was cut out of this stand as well, no regen of this species evident. Series of small wetland pockets in SW area of stand weren't protected from the harvest, some minor rutting is evident in these spots. Red oak seedlings abundant, likely a result of the scarification that took place, continue to monitor these in the coming years to see if they surpass the browse level. OPIC - FMD: This stand was added to the 2010 Aspen acres in an attempt to balance the Aspen age class. Leave small uncut islands and some individual trees as retention. ----- Stand was cut in 2011, above retention was applied.
13	42210 - Natural Red Pine	Sawtimber Well	0.7	99	141-170	Pocket of mature Red Pine along swamp edge. Too small to manage by itself
14	6120 - Lowland Cedar	Poletimber Well	3.8	97	201+	
15	4130 - Aspen	Sapling Well	25.5	23	Immature	
16	42220 - Natural Jack Pine	Poletimber Well	2.8	58	51-80	Narrow stand along lake/fen edge left as buffer
18	4130 - Aspen	Sapling Medium	9.7	7	Immature	Stand was cut as part of Abbe's Aspen (#53-008-10-01), cut by Nash. Oak was left. 06/03/2016 Regen survey results - QA 275 TPA, BTA 1175 TPA, JP 25 TPA, WP 275 TPA, BF 25 TPA, RP 25 TPA. Regen failure because stand falls below 2000 TPA required for aspen MO. Browse is significantly affecting a large part of the stand east of the road. These areas are filling in with cherry brush. Regen on the west side of the road looks much better and should be ok. Red oak seedlings abundant.
20	4133 - Aspen, Mixed Pine	Sapling Well	61.3	18	Immature	: Pine and Oak are residuals left from cutting
22	42290 - Natural Mixed Pine	Sawtimber Well	12.1	99	51-80	Pocket of mature pine that surrounds vernal pond area and also borders along a private 40. Good retention area.
25	4130 - Aspen	Poletimber Well	7.0	40	1-50	OI Stand Year Origin was 1977
26	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	3.4	77	51-80	Narrow drainage



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
27	42290 - Natural Mixed Pine	Sawtimber Poor	46.1	99	1-50	Seed tree cut completed in 2013. "Shell Road Pine" sale. Red Pine regeneration starting to fill in gradually throughout the stand.
28	42210 - Natural Red Pine	Sawtimber Poor	11.8	99	1-50	Stand was cut in 1999 with Pine residual
29	6120 - Lowland Cedar	Poletimber Well	3.9	77	81-110	
30	4130 - Aspen	Sapling Well	5.7	19	Immature	OI Stand Year Origin was 1998
31	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	53.5	83	81-110	
32	4199 - Other Mixed Upland Deciduous	Sapling Well	38.0	23	Immature	OI Stand Year Origin was 1994. Red Oak is residual from last cut.
33	4123 - Red Oak	Sawtimber Poor	5.7	76	1-50	This stand was cut in 2009 with Oak residual.
34	429 - Mixed Upland Conifers	Poletimber Well	9.4	32	1-50	OI Stand Year Origin was 1985
36	4123 - Red Oak	Sawtimber Well	35.9	83	81-110	Stand was cut in 1994 and had everything but Oak cut.
37	4123 - Red Oak	Sawtimber Poor	14.8	82	1-50	Stand had everything cut except the Oak in 2012. Aspen regeneration did not respond well except toward the back of it. Some evidence of browse damage.
38	4131 - Aspen, Oak	Poletimber Well	43.8	53	51-80	Stand Year Origin was 1965. Much of the aspen is rather small for the age of the stand. Old site index was 50 which is low and an indicator of a poor site but there are a good number of stems per acre. The stand will be broken in half and propose cutting the west half (stand 108).
39	42290 - Natural Mixed Pine	Poletimber Well	13.9	53	81-110	This stand was cut in 1965. There was apparently some Pine residual left after the cut which would account for the larger size white and red pine scattered throughout the stand.
40	6120 - Lowland Cedar	Poletimber Well	116.7	82	81-110	Wet, poor quality swamp with variable BA. Cedar is rather small generally throughout.
41	4139 - Aspen, Mixed Deciduous	Poletimber Well	10.3	52	51-80	Stand Year Origin was 1965
42	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	16.4	52	51-80	Stand Year Origin was 1965. Jack Pine (2 sticks) along the ridge, much better along the swamp.
44	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	29.6	89	51-80	Poor quality, wet swamp



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	4130 - Aspen	Poletimber Well	36.3	52	51-80	Stand Year Origin was 1965
46	42110 - Planted Red Pine	Poletimber Well	8.4	56	111-140	3rd-row thinning completed 2009.
47	42210 - Natural Red Pine	Sawtimber Poor	24.6	97	1-50	This stand had a pine shelterwood cut done in 2011. Regeneration is slow in coming along.
48	42210 - Natural Red Pine	Sapling Well	1.8	24	Immature	OI Stand Year Origin was 1994. Old opening/landing area which is filling in nicely with primarily Red Pine regeneration.
50	4133 - Aspen, Mixed Pine	Sapling Well	32.2	7	Immature	Stand was clearcut in 2010 with retention of some large red pine and some large aspen. Regeneration coming along very well.
51	42110 - Planted Red Pine	Poletimber Well	2.8	56	111-140	Third row thinning was completed in 2010.
52	4311 - Pine, Aspen Mix	Sapling Well	6.3	18	Immature	Stand Year Origin was 2000
53	4136 - Aspen, Mixed Conifer	Poletimber Well	48.6	36	1-50	Stand Year Origin was 1981. Emerging pole stand.
54	6120 - Lowland Cedar	Poletimber Well	4.1	82	51-80	Stand Year Origin was 1935. Wet, poor quality swamp.
55	42110 - Planted Red Pine	Poletimber Well	4.0	56	111-140	Stand had a third row thinning done in 1999.
56	4130 - Aspen	Sapling Well	34.7	15	Immature	Some Oak residual left after cut. Pockets of Hawthorn were protected and remain throughout the stand providing a good food source for ruffed grouse.
57	42110 - Planted Red Pine	Poletimber Well	2.8	56	111-140	Stand had a third row thinning done in 1999. This stand is ready for a second thinning.
58	42110 - Planted Red Pine	Poletimber Well	59.9	56	81-110	3rd-row thinning completed 2009. Oak was left throughout the stand.
59	4130 - Aspen	Poletimber Well	28.0	52	51-80	OI Stand Year Origin was 1965
60	4131 - Aspen, Oak	Sapling Well	10.4	28	Immature	Stand was cut in 1989, but left the Oak. Part of larger stand(23) in Compartment 61.
61	4133 - Aspen, Mixed Pine	Poletimber Well	8.6	43	1-50	Stand Year Origin was 1974. Part of a larger stand in compartment 61.
62	4131 - Aspen, Oak	Sapling Well	29.5	29	Immature	Stand Year Origin was 1988



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
64	4111 - S.Maple, Hard Mast Association	Sawtimber Well	45.8	96	51-80	2013 - This stand was selectively cut in 2012. Heavy infestation of EAB resulted in removal of all ash.
65	4131 - Aspen, Oak	Sapling Medium	24.8	5	Immature	2013 - Stand was cut to prescription in 2012. Residual Oak and mature pine was left. Areas of heavier Oak overstory didn't regenerate well with the aspen.
66	4130 - Aspen	Poletimber Well	20.2	57	81-110	Decent mature aspen with good oak component
67	4130 - Aspen	Sapling Well	27.8	8	Immature	Final harvest completed 2009. Some Red Oak residual left throughout the stand.
68	4130 - Aspen	Sapling Medium	17.8	27	Immature	Stand Year Origin was 1990. Part of sale with stand 69, but had significant browse damage throughout which left semi-open and patchy Aspen.
69	4130 - Aspen	Sapling Well	13.1	27	Immature	Stand Year Origin was 1990
70	4130 - Aspen	Poletimber Well	30.5	35	1-50	Stand Year Origin was 1981
72	4130 - Aspen	Sapling Well	7.9	8	Immature	Final harvest completed 2009. Some scattered Red Oak left as residual.
73	4122 - Oak, Pine	Sawtimber Poor	4.7	82	1-50	Stand was part of the Shangrila Pine Mix sale. This corner was primarily aspen and oak. Aspen regeneration was heavily browsed in pockets resulting in failure near the road.
74	42110 - Planted Red Pine	Sawtimber Well	128.2	80	81-110	Stand had all but Red Pine and Oak cut in 2000-01. Regeneration is variable throughout the stand depending on how heavy the residual red pine is. Some canopy gaps have good red pine saplings and some other areas have good aspen.
75	4134 - Aspen, Spruce/Fir	Poletimber Well	5.0	39	51-80	Stand Year Origin was 1978
77	4130 - Aspen	Sapling Well	10.6	16	Immature	Stand was cut in 2001 as part of the Shangrila Mix sale. Regeneration has responded well.
79	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	5.5	82	81-110	Good mix of representative species. This stand has been left to serve as retention.
80	4130 - Aspen	Sapling Well	2.8	16	Immature	Cut with adjoining stands as part of the Shangrila Pine Mix sale. Aspen regeneration has been impacted by browsing. Some Oak percentage are Log size trees left as residual.
81	4123 - Red Oak	Sawtimber Well	44.7	82	51-80	Stand had all but Oak cut in 1990.
82	4130 - Aspen	Poletimber Well	34.7	35	51-80	Stand Year Origin was 1982. Some larger Oak component is widely scattered. Aspen is quite advanced for it's age.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
83	4124 - Red with White Oak	Sapling Medium	14.1	27	Immature	OPIC - FMD: Some scattered Oak. This stand was originally cut with stand 84. It has been gradually filling in with Oak saplings over the years.
84	4124 - Red with White Oak	Sawtimber Medium	47.1	82	1-50	OI Stand Year Origin was 1935. This stand had everything but oak cut in 1990.
85	42210 - Natural Red Pine	Sawtimber Medium	20.8	82	51-80	Some Red Pine was selectively cut from this stand in 2013.
86	4130 - Aspen	Sapling Medium	34.6	4	Immature	Stand cut in 2013. Some oak and red pine left for retention, also some pockets of larger red maple saplings were left. There has been some significant browse impact to the regeneration.
87	42220 - Natural Jack Pine	Poletimber Well	4.7	62	51-80	Small isolated pocket of Jack Pine. Leave for retention.
88	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	3.4	137	81-110	OPIC - FMD: Small pocket of Red Pine. Leave for retention.
89	4130 - Aspen	Poletimber Well	27.3	35	1-50	Stand Year Origin was 1982
90	4122 - Oak, Pine	Sawtimber Well	26.9	82	51-80	Cut in 1990. Left all the Oak and Pine. Regeneration has been heavily browsed.
91	42110 - Planted Red Pine	Sawtimber Medium	27.3	80	1-50	Stand had a shelterwood cut done last entry. Some pockets of red pine regeneration, but good oak regeneration throughout.
92	4133 - Aspen, Mixed Pine	Poletimber Well	9.5	45	51-80	Stand Year Origin was 1972
93	42220 - Natural Jack Pine	Poletimber Medium	3.3	51	1-50	Stand Year Origin was 1966
94	4133 - Aspen, Mixed Pine	Poletimber Well	48.2	35	1-50	OI Stand Year Origin was 1982
95	4133 - Aspen, Mixed Pine	Poletimber Medium	6.7	41	51-80	Mixed size classes of aspen with oak and pine next to road. May want to incorporate into any adjacent sale to manage or may work as a retention stand given it's location along the road.
96	42120 - Planted Jack Pine	Poletimber Well	35.4	65	81-110	Jack Pine planted in 1952. Some scattered mature Red & White Oak and mature Red Pine throughout the stand. Heavy oak regeneration under the jack pine I would like to protect which makes harvesting this stand complicated. Jack Pine is 3-4 sticks but not real good quality.
97	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	42.0	39	51-80	Highly variable stand both in terms of species and size class.
98	4130 - Aspen	Sapling Well	14.1	17	Immature	

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Pigeon River Country Mgt. Unit

Report 7 – Forested Stands

Compartment: 28
Year of Entry: 2019

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
99	4131 - Aspen, Oak	Poletimber Well	12.1	47	1-50	Stand Year Origin was 1970
100	6120 - Lowland Cedar	Poletimber Well	10.6	107	111-140	Narrow swamp with creek flowing through.
108	4131 - Aspen, Oak	Poletimber Well	38.0	53	51-80	Stand Year Origin was 1965. Much of the aspen is rather small for the age of the stand. Old site index was 50 which is low and an indicator of a poor site but there are a good number of stems per acre. The stand has been split off from stand 38 because the aspen is a bit larger and to stay close to the 40 acre guidelines..
111	6112 - Lowland Aspen	Sawtimber Medium	1.2	71	1-50	Small pocket of low ground aspen along Black River Road left for retention when the surrounding aspen stand was cut due to the wet ground.
114	4123 - Red Oak	Sawtimber Poor	12.1	96	1-50	Natural opening filling in with trees. Scattered mature oak and red pine.



Stand	Cover Type	Acres	Managed Site	General Comments:
6	622 - Lowland Shrub	0.8	No	Small seasonal pond
17	6221 - Fen	4.3	No	Fen
19	790 - Other Bare/Sparsely Vegetate	9.6	No	Oil pumping facility
21	790 - Other Bare/Sparsely Vegetate	2.0	No	Active oil well site
23	6229 - Mixed lowland shrub	0.6	No	Small brushy pond
24	6239 - Mixed Emergent Wetland	1.6	No	Small pond
35	310 - Herbaceous Openland	0.8	No	Small natural opening
43	310 - Herbaceous Openland	0.8	No	Old Antrim gas well site
49	6239 - Mixed Emergent Wetland	0.6	No	This stand is split by private property line.
63	790 - Other Bare/Sparsely Vegetate	2.5	No	Old well site that just had the well taken out a couple of years ago but there still is activity on this site periodically.
71	320 - Upland Shrub	20.9	No	
76	790 - Other Bare/Sparsely Vegetate	1.5	No	Active oil/gas well site.
78	790 - Other Bare/Sparsely Vegetate	1.4	No	Active oil/gas well site.
101	2113 - Forage Crops	5.9	Yes	Managed wildlife opening
102	310 - Herbaceous Openland	2.9	No	Old oil well site. Restoration to reforested state.
103	2113 - Forage Crops	1.9	Yes	OPIC - FMD: Old oil well site with part of the pipeling running through it. Wildlife planting.
104	2113 - Forage Crops	4.3	Yes	Opening/pipeline worked up and planted by wildlife division.
105	2113 - Forage Crops	2.0	No	Old well site that has been disc and planted that last couple of years.



Stand	Cover Type	Acres	Managed Site	General Comments:
106	310 - Herbaceous Openland	3.3	No	Natural opening with access road to well site passing through it.
107	2113 - Forage Crops	1.6	No	Old oil well site.
109	3303 - Mixed Low Density Trees	8.1	No	Open area just north of oil pumping facility with pipeline running under it.
110	3105 - Mixed Upland Herbaceous	1.8	No	Open area south of facility
112	2113 - Forage Crops	2.9	No	Old oil well site now a managed wildlife opening but with very poor, sandy soil. Doesn't appear to be very productive.
113	3105 - Mixed Upland Herbaceous	1.9	No	Natural opening
115	3105 - Mixed Upland Herbaceous	4.7	No	Natural opening with poor, sandy soil and scattered Jack Pine.
116	3102 - Grass	2.3	No	Old oil well site.