



Compartment Review Presentation

Pigeon River Country Forest Management Unit

Compartment 53020

Entry Year 2020

Acreage: 1,875

County Cheboygan

Management Area: Pigeon River Country

Revision Date: 2018-06-15

Stand Examiner: Richard McDonald

Legal Description:

T34N R01E Section: 21, 28, 31, 32, 33

Identified Planning Goals:

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

Soil and topography:

Terrain is flat to gently rolling with uplands primarily well-drained Rubicon sand, while the lowlands are dominated by poorly-drained Tawas Peet.

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

West part of compartment is solid state ownership, but borders more private land to the east. Area gets significant local recreational use.

Unique Natural Features:

None identified

Archeological, Historical, and Cultural Features:

None identified

Special Management Designations or Considerations:

None identified

Watershed and Fisheries Considerations:

McLavey Lake does not offer very good fishing opportunities due to access. The Milligan Creek headwaters start in DUBY Lake, to the south, and flows through the compartment. Milligan Creek is part of the Black River watershed.

Wildlife Habitat Considerations:

Please refer to Wildlife Biologist's comments.

Mineral Resource and Development Concerns and/or Restrictions

There is sand & gravel production in the area and some limestone production farther to the northwest. There is some sand & gravel potential in the compartment. Bedrock limestone is likely too deep to have significant potential or value. A significant portion of the compartment appears to be covered by wetlands, which could inhibit mineral development. This area was previously leased for oil and gas development, but there has been limited exploration and no nearby production. There is limited oil and gas potential for known producing formations in this compartment. The Antrim Shale is thin to absent here, and the Niagaran reef trend is more than three miles to the southeast. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

There is good access to most, if not all, of the compartment. Most of the roads, however, have been closed to wheeled motorized vehicles with virtually all those closures still intact.

Survey Needs:

None required

Recreational Facilities and Opportunities:

A portion of the High Country Pathway passes through the southern portion of this compartment.

Fire Protection:

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

Additional Compartment Information:

The following reports from the Inventory are attached:

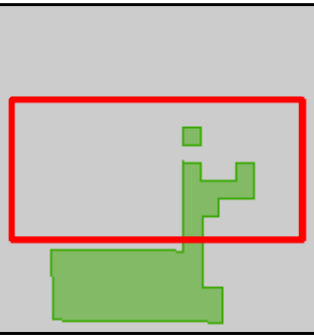
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

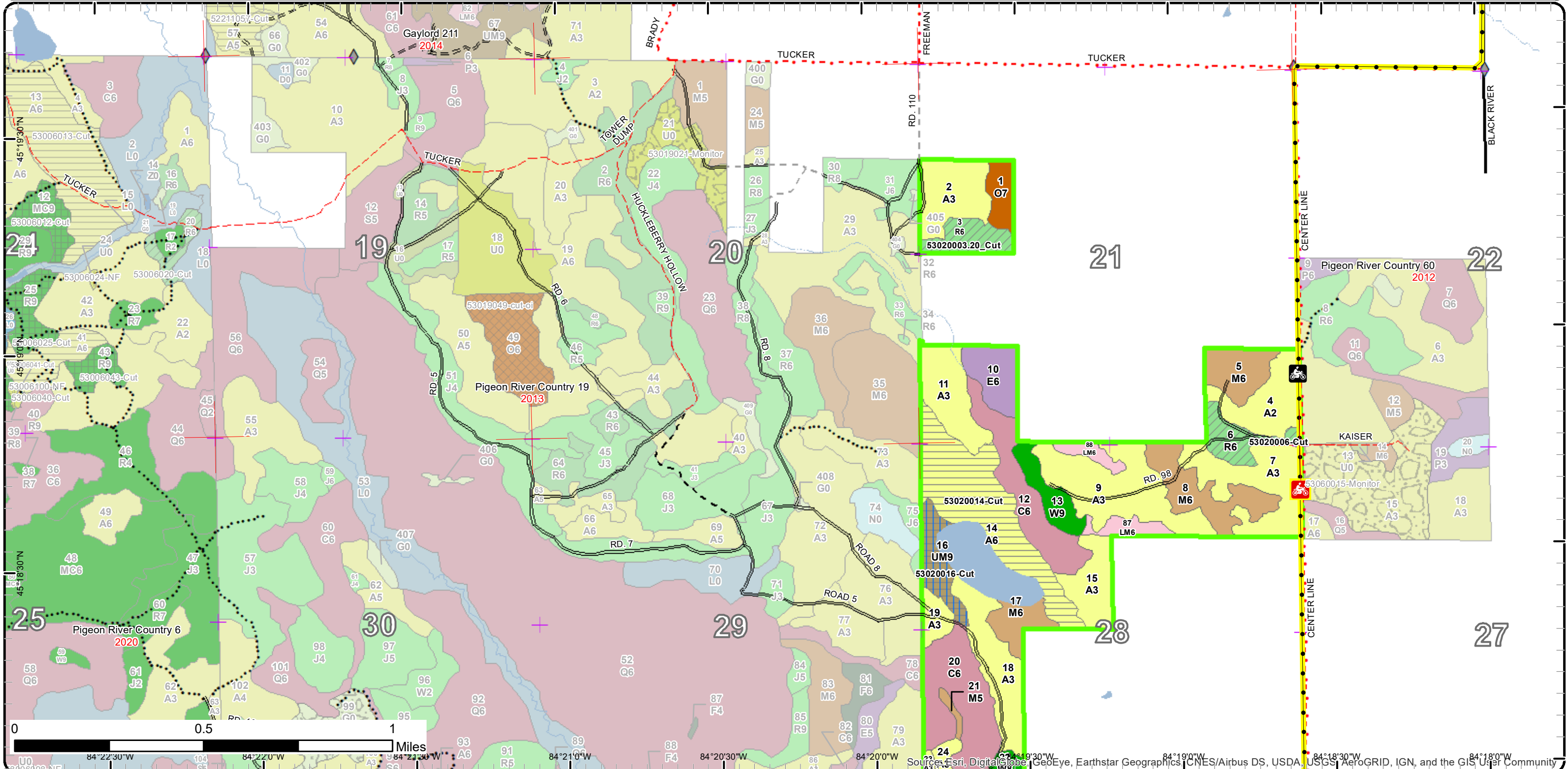
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 20
 T34N, R01E, Sec:21, 28
 County: Cheboygan
 Unit: Pigeon River Country
 Mgmt Area: Pigeon River Country
 YOE: 2020
 Acres: 1,875 GIS Calculated
 Examiner: Richard McDonald
 Map Revised: 10/3/2018
 Map Phase: Post-Review

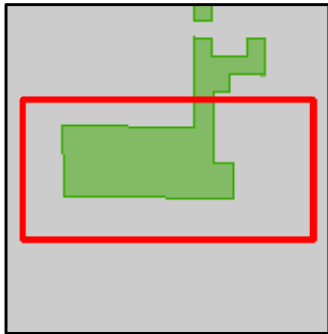


- Miris Corners
- Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🏍 Motorcycle Trails (SOS License)
- 🚲 MCCCT Trails
- ORV License
- Michigan Cross Country Cycle Trail (MCCCT)
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▭ Compartment Boundary
- ▭ Clearcut (w/Reserves)
- ▭ Seed Tree (w/Reserves)
- ▭ Thinning (Crown, Low, Systematic)
- ▭ 411 - Northern Hardwood
- ▭ 412 - Oak Types
- ▭ 413 - Aspen
- ▭ 421 - Planted Pines
- ▭ 422 - Natural Pines
- ▭ 430 - Upland Mixed Forest
- ▭ 611 - Lowland Deciduous Forest
- ▭ 612 - Lowland Coniferous Forest
- ▭ 613 - Lowland Mixed Forest
- ▭ Lakes

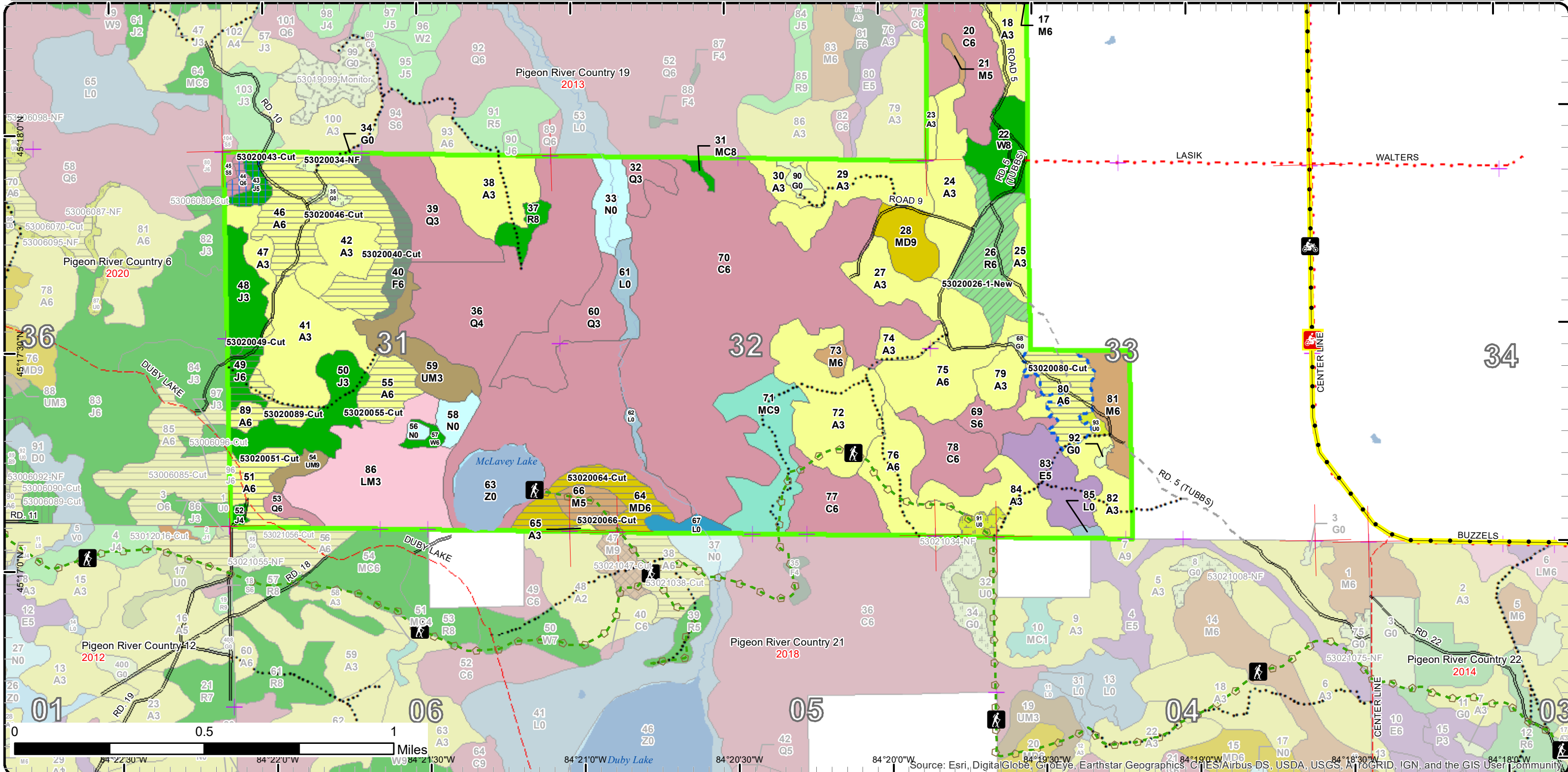


Cover Type & Treatments Map

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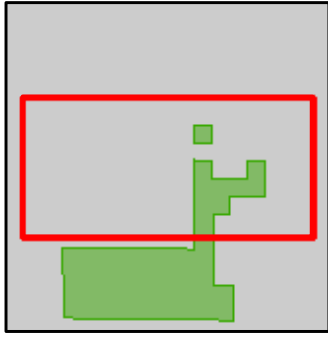
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- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland
- Lakes



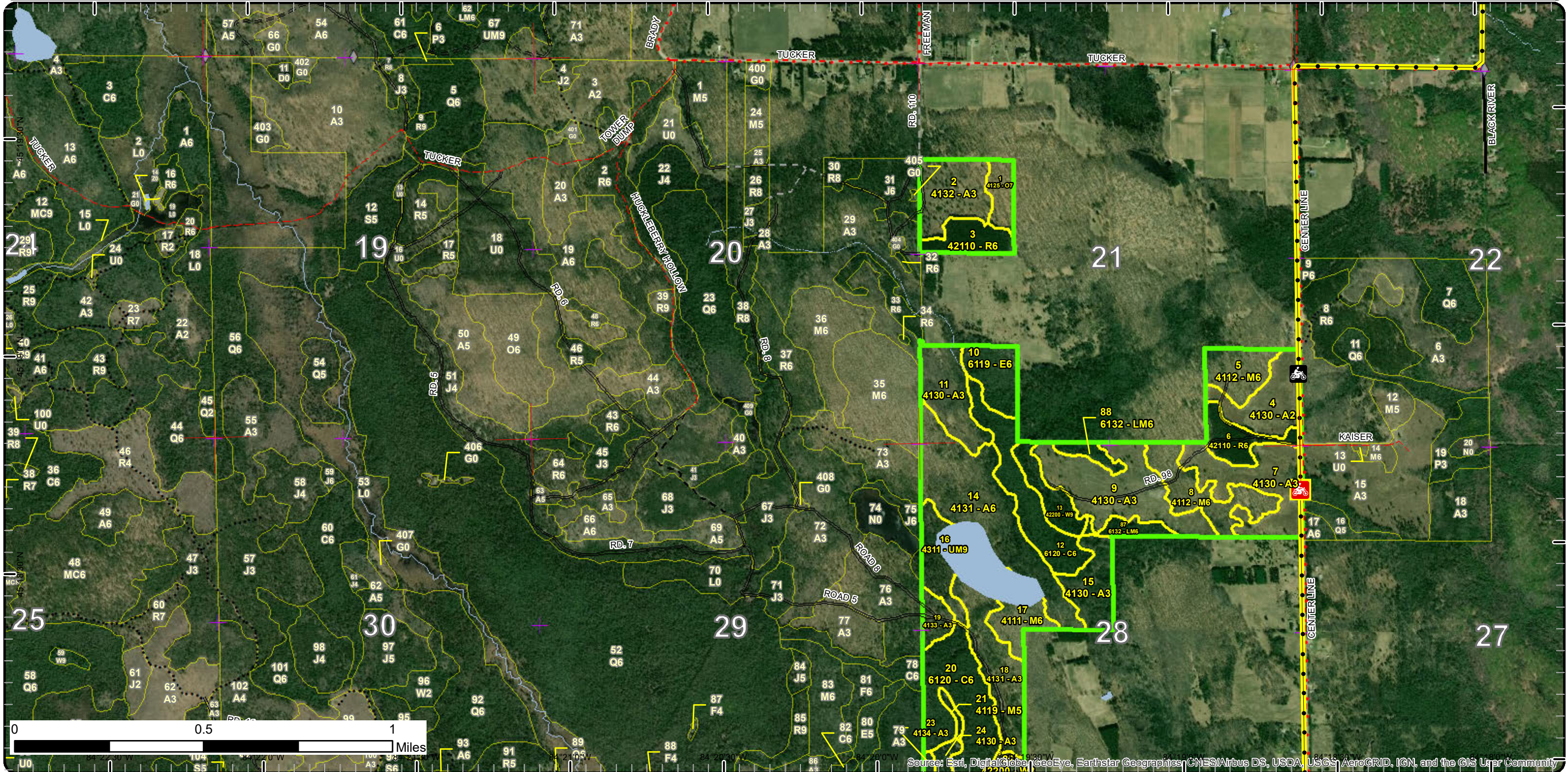
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Stand Boundary Map

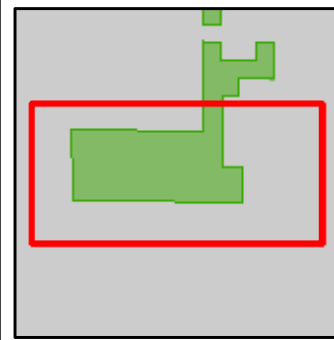
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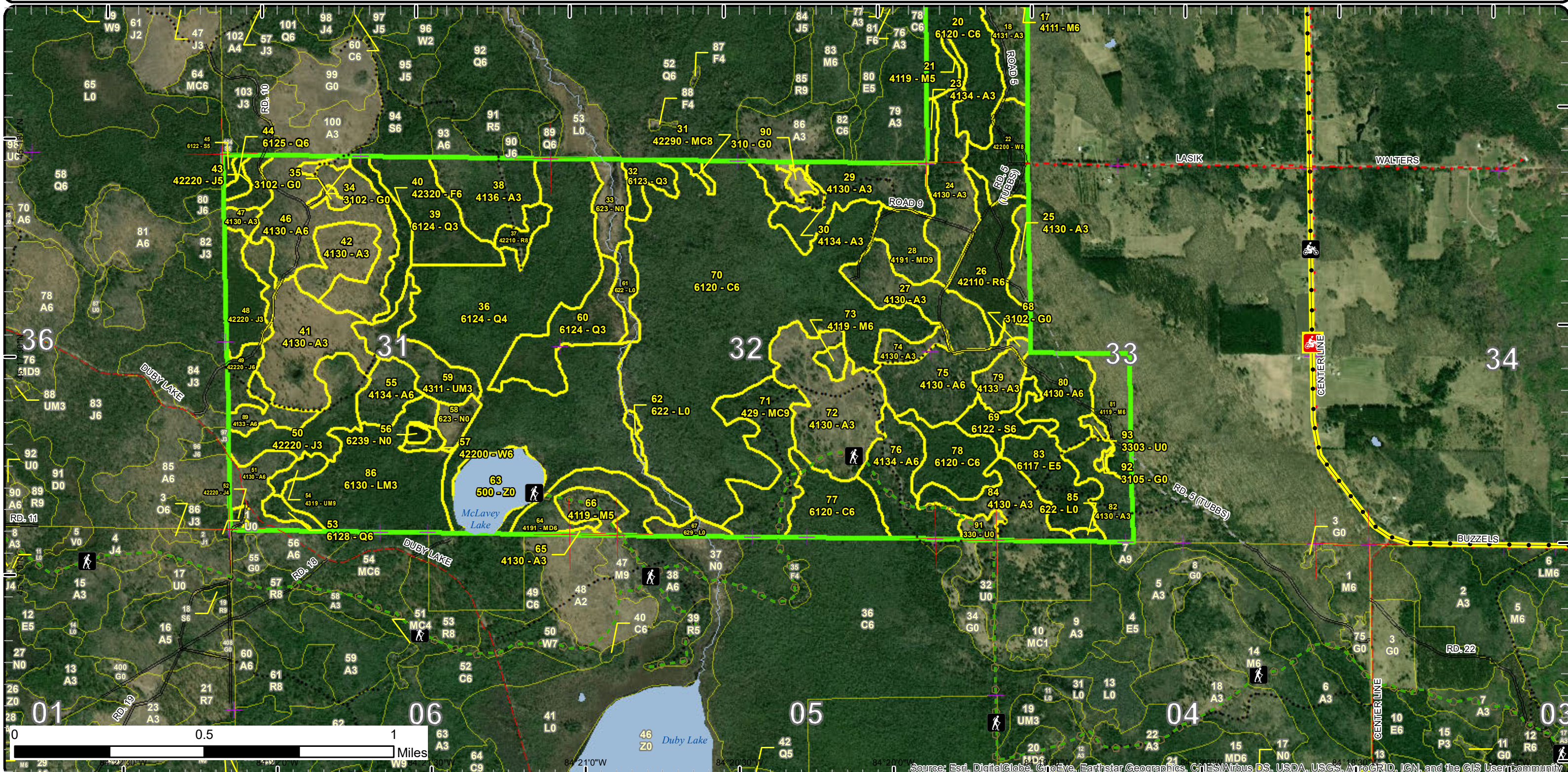
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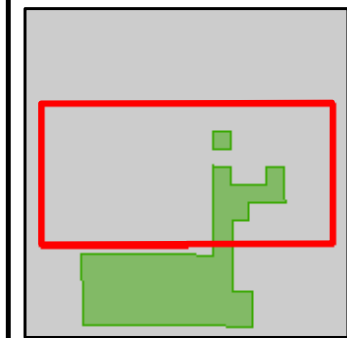
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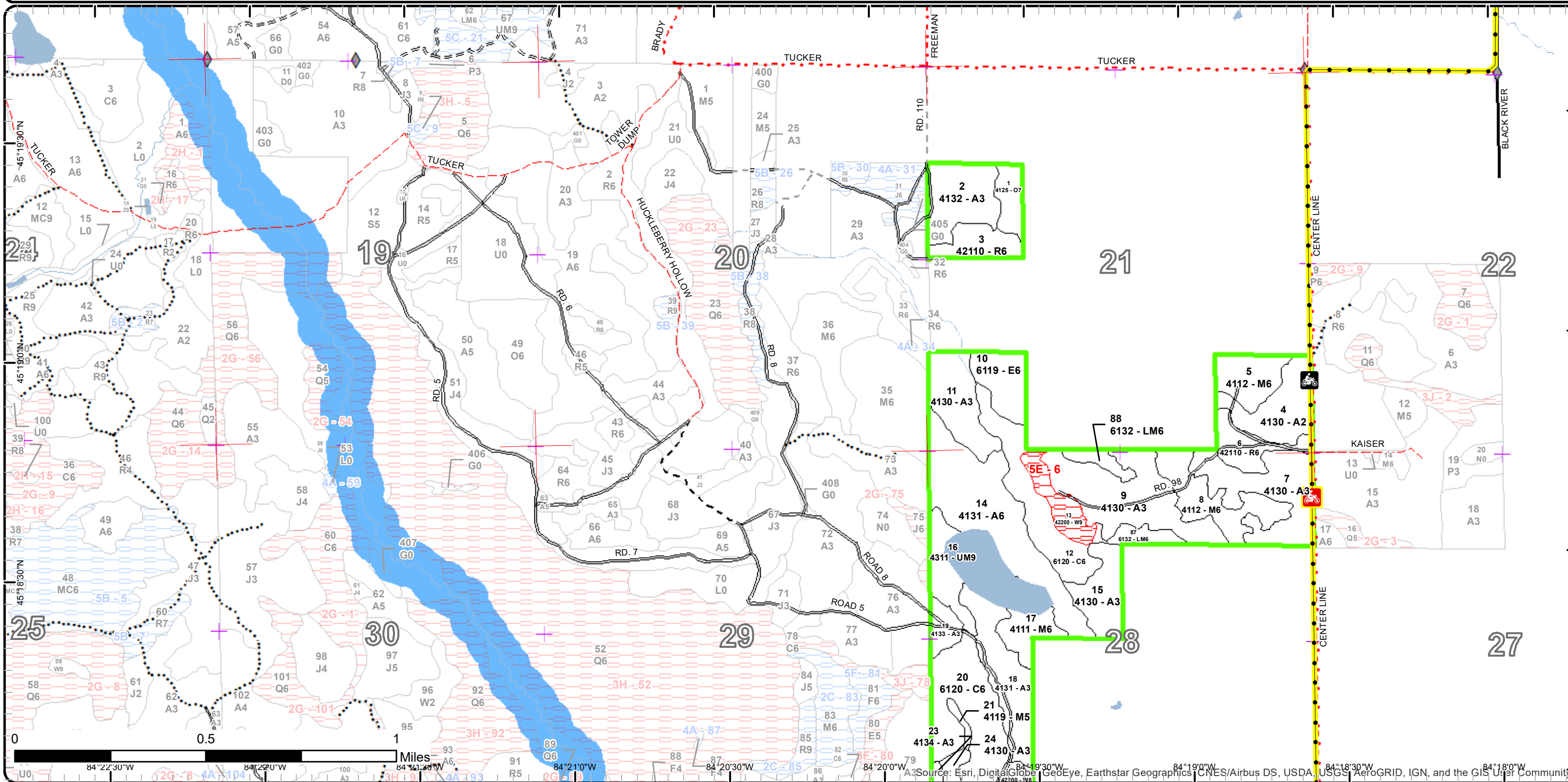


Special Conservation Areas & Site Conditions Map

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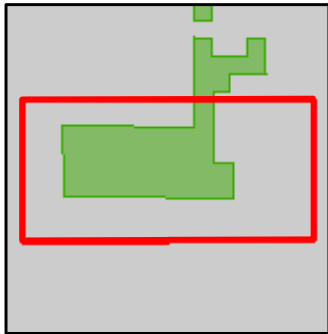


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- Perennial River
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- Compartment Boundary
- Unavailable
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer

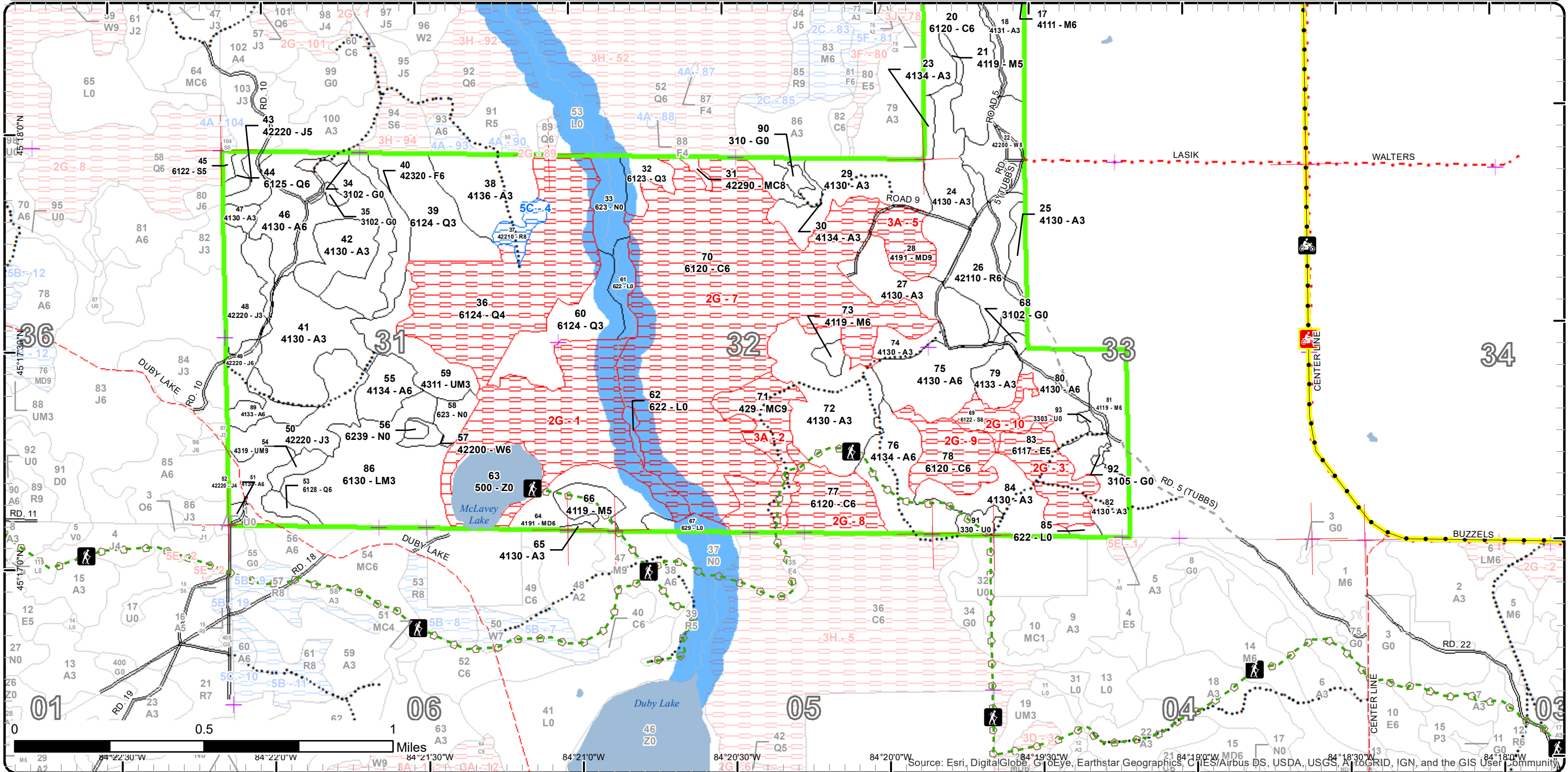


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time



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	147	62	122	203	24	131	0	0	0	0	0	0	0	0	0	0	13	701
Cedar	0	0	0	0	0	0	0	0	0	23	0	310	25	0	0	0	0	0	357
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Jack Pine	0	0	0	43	0	2	14	0	0	0	0	0	0	0	0	0	0	0	59
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	61	9	0	0	0	0	4	3	0	0	0	174	0	0	0	250
Lowland Deciduous	0	0	0	0	0	0	0	13	0	23	0	0	0	0	0	0	0	0	36
Lowland Mixed Forest	0	0	0	62	0	0	10	0	0	0	0	0	0	0	0	0	0	0	72
Lowland Shrub	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13
Marsh	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Mixed Upland Deciduous	0	0	0	0	0	0	22	0	0	0	15	0	0	0	0	0	0	0	37
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
Northern Hardwood	0	0	0	0	0	0	43	0	0	23	0	0	0	0	0	0	0	17	83
Oak	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	8
Red Pine	0	0	0	0	0	0	52	0	0	0	0	0	7	0	0	0	0	0	58
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	34
Upland Mixed Forest	0	0	0	22	0	0	0	0	0	0	0	17	0	0	0	0	0	5	43
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	11
Water	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
White Pine	0	0	0	0	0	0	3	0	0	19	0	11	0	0	0	0	0	0	31
Total	77	147	62	310	212	26	275	13	8	116	18	374	32	0	174	0	0	35	1872



Report 2 – Treatment Summary

Acres of Harvest

Commercial Harvest - 273
Harvests with Site Condition - 19
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	164	0	0	0	0	0	0	0	0	164
Jack Pine	8	0	0	6	0	0	0	0	0	14
Lowland Conifers	0	0	0	3	0	0	0	0	0	3
Mixed Upland Deciduous	22	0	0	0	0	0	0	0	0	22
Northern Hardwood	9	0	0	0	0	0	0	0	0	9
Red Pine	0	0	0	0	0	52	0	0	0	52
Upland Mixed Forest	0	0	0	17	0	0	0	0	0	17
Upland Spruce/Fir	11	0	0	0	0	0	0	0	0	11
Total	215	0	0	26	0	52	0	0	0	292

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	292	0	0	0	0	0	0	8	0	300
Next Step	0	0	0	0	0	0	240	0	0	240
Total	292	0	0	0	0	0	240	8	0	541



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
3	53020003.20_Cut	10.8	42110 - Planted Red Pine	Poletimber Well	57	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Mark trees to cut within the existing rows leaving about 110-120 BA residual.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

6	53020006-Cut	11.3	42110 - Planted Red Pine	Poletimber Well	57	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Mark to cut and thin existing rows to about 110-120 BA.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

14	53020014-Cut	53.6	4131 - Aspen, Oak	Poletimber Well	53	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 pockets. Mark some Oak to cut in order to open the stand up some more to help the Aspen regeneration and also get some Oak regeneration. Mark some mature pine to leave for retention and seed source. Also, mark some larger diameter trees to fall for grouse drumming logs.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen is the objective and should regenerate but any mix of species will be acceptable in determining regeneration success.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

16	53020016-Cut	16.5	4311 - Pine, Aspen Mix	Sawtimber Well	106	51-80	Harvest	Seed Tree	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Recommend a seed tree cut for the Red Pine to about 20-30 BA. Cut all other species except Oak. Mark some Oak to open things up some if necessary.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of species will be acceptable in determining regeneration success, but Red Pine is the main objective.

Regen:

Other

Comment: Encourage scarification during the logging operation.

Proposed Start Date: 10/1 /2019



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
26	53020026-1-New	29.4	42110 - Planted Red Pine	Poletimber Well	59	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Mark to cut and thin existing rows to about 70-80 BA residual. Leave Oak component.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

34	53020034-NF	2.0	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Brush, mow, plant, burn and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

35	53020035-NF	2.2	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Brush, mow, plant, burn and/or herbicide to maintain opening. Planting of hard and soft mast.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

40	53020040-Cut	11.4	42320 - Upland Spruce	Poletimber Well	86	51-80	Harvest	Clearcut	42330 - Upland Fir	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Clearcut with retention of some mature fir left in pockets. Cut all species within the stand. Any individual trees would be highly susceptible to windthrow due to the shallow rooted trees.

Specs:

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

Acceptable Any combination of species would be acceptable in determining regeneration success.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019



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
43	53020043-Cut	5.9	42220 - Natural Jack Pine	Poletimber Medium	51	51-80	Harvest	Seed Tree	429 - Mixed Upland Conifers	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Mark Red Pine seed trees to leave 10-30 sq. ft. and cut all other species.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> A mix of conifer species will be acceptable in determining regeneration success.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											
44	53020044-Cut	3.1	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	97	81-110	Harvest	Seed Tree	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Propose a seed tree cut. Leave 10-30 sq ft. of Red Pine for seed trees. Cut all other species. Dip down into the swamp as far as possible											
<u>Specs:</u> before it gets too wet.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> A mix of Black Spruce and pine is expected. Any combination of which will be acceptable in determining regeneration success.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											
46	53020046-Cut	54.1	4130 - Aspen	Poletimber Well	54	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Clearcut with 3-4 retention pockets. These pockets may include Aspen/Oak mix. Leave groups of Oak and cut individual oak or oak clumps to											
<u>Specs:</u> improve aspen response to cutting and also try to get some oak stump sprouting. Leave some mature Red Pine and Fir within the retention											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Aspen and any mix of species will be acceptable in determining regeneration success.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											
49	53020049-Cut	7.7	42220 - Natural Jack Pine	Poletimber Well	58	51-80	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Clearcut with retention with retention being Red Pine seed trees, as well as some Jack Pine seed trees. Mark some Red Pine to cut and mark a											
<u>Specs:</u> few Jack Pine to leave.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Jack Pine is the objective and is expected to respond well to cutting based on the surrounding stands, but any mix of species will be acceptable											
<u>Regen:</u> in determining regeneration success.											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2019											



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
51	53020051-Cut	14.7	4130 - Aspen	Poletimber Well	42	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Clearcut with 2-3 retention pockets. Cut all species, except only mark and cut a few Oak that will open things up improve the Aspen regeneration and also initiate some stump sprouting of the Oak. Combine with the adjacent stands that are prescribed in compartments 6,12 and 21. Leave retention in pockets, no single tree retention.

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

Acceptable Regen: Aspen is objective and should respond well outside of any browse damage that may occur, but any combination of species will be acceptable in determining regeneration success.

Other Comment:

Proposed Start Date: 10/1 /2019

55	53020055-Cut	13.3	4134 - Aspen, Spruce/Fir	Poletimber Well	78	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Clearcut with retention. The east and south edges of this stand start to get rather wet. Leave a couple retention pockets along those wet edges.
Specs: Mark and fall some larger diameter trees for Grouse drumming logs - about 1/acre.

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

Acceptable Regen: Aspen with any mix of species will be acceptable in determining regeneration success.

Other Comment:

Proposed Start Date: 10/1 /2019

64	53020064-Cut	22.3	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	57	81-110	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 and mark trees to drop and leave for drumming logs. Combine with stand 38 to the south in compartment 21. To be cut in 2018.

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

Acceptable Regen: Aspen should predominate, but any mix of species will be acceptable in determining regeneration success.

Other Comment: McLavey Lake spur of the High Country Pathway passes through the stand. Trail protection specs should be added to the timber sale proposal.

Proposed Start Date: 10/1 /2017

66	53020066-Cut	9.4	4119 - Mixed Northern Hardwoods	Poletimber Medium	58	1-50	Harvest	Clearcut	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Cut all trees regardless of merchantability along with stand 64 and stands 38 &47 in compartment 21. Work to be done in 2018 yoe.
Specs:

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

Acceptable Regen: A mix of hardwood species with Aspen meeting at least a moderate stocking level will be acceptable in determining regeneration success.

Other Comment: McLavey Lake spur of the High Country Pathway passes through the stand. Trail protection specs should be added to the timber sale proposal.

Proposed Start Date: 10/1 /2017



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
80	53020080-Cut	18.9	4130 - Aspen	Poletimber Well	51	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition: Too Wet**

Prescription Final Harvest with 2-3 retention islands. Any retention should be in pockets with no single tree retention. Do not cut the Oak.
Specs:

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

Acceptable Regen: Aspen is the objective, but any mix of species will be acceptable in determining regeneration success.

Other Comment: Do not use road as skid trail, more than one landing may be necessary.

Proposed Start Date: 10/1 /2019

89	53020089-Cut	9.5	4133 - Aspen, Mixed Pine	Poletimber Well	42	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Clearcut with no single tree retention. This stand will be combined with other adjacent stands that are being prescribed for treatment. If there is any retention associated with this stand, it should be in pockets along the edges.
Specs:

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

Acceptable Regen: Aspen and any mix of species will be acceptable in determining regeneration success.

Other Comment:

Proposed Start Date: 10/1 /2019

91	53020091-NF	4.2	330 - Low-Density Trees	Nonstocked	0	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Brush, mow, plant, burn and/or herbicide to maintain opening. Planting of hard and soft mast.
Specs:

Next Step
Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/1 /2019

Total Treatment Acreage Proposed: 300.3

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit
Richard McDonald : Examiner

Compartment: 20
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		5C	2G	3A	5E
703	703	0	0	Aspen				
357	63	0	294	Cedar		294		
9	9	0	0	Herbaceous Openland				
58	58	0	0	Jack Pine				
6	6	0	0	Low-Density Trees				
250	76	0	173	Lowland Conifers		173		
36	13	0	23	Lowland Deciduous		23		
72	72	0	0	Lowland Mixed Forest				
16	16	0	0	Lowland Shrub				
13	1	0	11	Lowland Spruce/Fir		11		
21	21	0	0	Marsh				
37	22	0	15	Mixed Upland Deciduous			15	
2	2	0	0	Natural Mixed Pines				
83	83	0	0	Northern Hardwood				
8	8	0	0	Oak				
59	52	7	0	Red Pine	7			
34	0	0	34	Upland Conifers			34	
43	43	0	0	Upland Mixed Forest				
11	11	0	0	Upland Spruce/Fir				
25	25	0	0	Water				
32	22	0	10	White Pine				10
1,876	1,307	7	562	Total Forested Acres	7	502	49	10
	70%	0%	30%	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)	174	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
Stand has suffered some die back, resulting in pockets of understory predominating.							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit
Richard McDonald : Examiner

Compartment: 20
Year of Entry: 2020

2	Unavailable	3A: Conservation Values incompatible with harvest at this time	34	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand will be treated when stand 38 is cut.							
5	Unavailable	3A: Conservation Values incompatible with harvest at this time	15	3L: Other wildlife concerns	5E: Long-Term Retention	Unspecified	Unspecified
Comments: Highly mixed stand with plenty of old Aspen with cavities present. Over 90% of the Aspen in this compartment is in the younger age classes. Having a representation of older age classes would be beneficial.							
6	Unavailable	5E: Long-Term Retention	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	247	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Pigeon River Country Mgt. Unit

Compartment: 20

Richard McDonald : Examiner

Year of Entry: 2020

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	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 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: 20
Year of Entry: 2020

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4125 - Black, N. Pin Oak	Sawtimber Poor	7.7	70	1-50	Stand was cut in 2011 with stand 2 and left Oak residual.
2	4132 - Aspen, Jack Pine	Sapling Well	20.8	7	Immature	Stand cut in 2011 but left Oak and smaller White and Red Pine. Regeneration was slow to respond, but is filling in nicely with Aspen and Jack Pine.
3	42110 - Planted Red Pine	Poletimber Well	10.9	57	141-170	Stand had 1/3 row thinning in 2002.
4	4130 - Aspen	Sapling Medium	19.4	7	Immature	This stand can be fairly wet throughout certain times of the year. Those areas which are perennially wet did not regenerate well back to Aspen. A marshy grass has grown back in those areas.
5	4112 - Maple, Beech, Cherry Association	Poletimber Well	13.5	58	51-80	Poor quality hardwood. There are signs of BBD within the stand.
6	42110 - Planted Red Pine	Poletimber Well	11.3	57	141-170	A third row thinning was done the first time in 2002.
7	4130 - Aspen	Sapling Well	29.9	5	Immature	OI Stand Year Origin was 2013. Part of the Bunny Pine Poplar sale. Some areas of fairly wet ground seasonally that did not regenerate well back to Aspen.
8	4112 - Maple, Beech, Cherry Association	Poletimber Well	20.8	58	81-110	Moderate quality hardwood but not a high percentage of higher value species. There some signs of BBD within the stand.
9	4130 - Aspen	Sapling Well	37.8	5	Immature	OI Stand Year Origin was 2013. Part of Bunny Pine Poplar sale. There is a significant amount of browse damage.
10	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	13.4	63	51-80	Heavy Fir understory. Sandwiched between cedar swamp and private land, so no good access.
11	4130 - Aspen	Sapling Well	19.5	24	Immature	
12	6120 - Lowland Cedar	Poletimber Well	25.2	110	51-80	QUALITY OF THE STAND VARIES DEPENDING ON DRAINAGE, NORTH END IS MUCH MORE WET.
13	42200 - Natural White Pine	Sawtimber Well	10.5	102	81-110	Upland edge along cedar swamp.
14	4131 - Aspen, Oak	Poletimber Well	53.6	53	51-80	Good stand of Aspen, Oak and Pine mix.
15	4130 - Aspen	Sapling Well	15.4	35	1-50	
16	4311 - Pine, Aspen Mix	Sawtimber Well	16.5	106	51-80	Mature Red Pine mixed with Oak.



Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4111 - S.Maple, Hard Mast Association	Poletimber Well	17.4	70	81-110	N. Hardwood stand with good Oak component along the margins, however Oak is a heavier component in the north end. Part of the north edge may change when adjacent stand is set up for sale with some of that Oak being incorporated in that sale.
4131 - Aspen, Oak	Sapling Well	24.7	34	1-50	SCATTERED OAK LEFT AFTER LAST HARVEST
4133 - Aspen, Mixed Pine	Sapling Well	6.1	23	Immature	cut with larger stand to the west in compartment 19, stand 76.
6120 - Lowland Cedar	Poletimber Well	38.0	105	111-140	Fairly wet stand
4119 - Mixed Northern Hardwoods	Poletimber Medium	1.7	82	1-50	SMALL FINGER RIDGE RUNNING THRU SWAMP
42200 - Natural White Pine	Sawtimber Medium	19.1	80	1-50	
4134 - Aspen, Spruce/Fir	Sapling Well	2.9	34	1-50	Part of a larger stand (79) in compartment 19.
4130 - Aspen	Sapling Well	27.8	27	1-50	RED MAPLE AND OAK BASAL AREA IS RESIDUAL FROM PREVIOUS CUT
4130 - Aspen	Sapling Well	7.0	16	Immature	
42110 - Planted Red Pine	Poletimber Well	29.4	59	111-140	Stand was thinned in 2002.
4130 - Aspen	Sapling Well	26.7	34	1-50	
4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	14.9	90	51-80	
4130 - Aspen	Sapling Well	30.1	34	Immature	SCATTERED OAK THROUGHOUT STAND
4134 - Aspen, Spruce/Fir	Sapling Well	7.8	21	Immature	THIS STAND WAS PART OF A TIMBER SALE WITH AN ADJACENT STAND TO THE NORTH CUT IN 1997. IT HAS SUFFERED SOME BROWSE DAMAGE.
42290 - Natural Mixed Pine	Sawtimber Medium	1.6	105	1-50	Narrow upland ridge within swamp
6123 - Lowland Fir	Sapling Well	8.6	37	1-50	OI Stand Year Origin was 1980
6124 - Lowland Spruce- Fir	Poletimber Poor	173.5	135	1-50	Much of this stand has blown down or died back leaving a thick understory of mixed conifer regeneration.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
37	42210 - Natural Red Pine	Sawtimber Medium	6.5	112	51-80	STAND HAD ALL SPECIES BUT PINE REMOVED IN 1982.
38	4136 - Aspen, Mixed Conifer	Sapling Well	28.5	35	1-50	
39	6124 - Lowland Spruce-Fir	Sapling Well	31.0	25	Immature	Cut in 1992. Started out mostly tag alder, but filling in well with a lowland mix.
40	42320 - Upland Spruce	Poletimber Well	11.4	86	51-80	Narrow buffer strip along old swamp cut.
41	4130 - Aspen	Sapling Well	38.5	6	Immature	Stand was cut in 2012. Left the Oak as residual and some Red Pine. Aspen and Red Maple has had some browsing impacts but it is coming in pretty well.
42	4130 - Aspen	Sapling Well	17.9	25	Immature	Cut in 1992 and has suffered some impacts from browsing.
43	42220 - Natural Jack Pine	Poletimber Medium	5.9	51	51-80	Small Jack Pine strip along swamp. Because of it's size, it makes sense to cut it with stands 44 and 46.
44	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	3.1	97	81-110	
45	6122 - Black Spruce	Poletimber Medium	1.5	88	1-50	SMALL PORTION OF MUCH LARGER SWAMP
46	4130 - Aspen	Poletimber Well	54.1	54	51-80	Quality of aspen is not the best, but it should regenerate well if not impacted by browsing.
47	4130 - Aspen	Sapling Well	9.9	24	Immature	OPIC - FMD: OI Stand Year Origin was 1993
48	42220 - Natural Jack Pine	Sapling Well	16.9	24	Immature	Stand Year Origin was 1993. Naturally regenerating Jack Pine stand.
49	42220 - Natural Jack Pine	Poletimber Well	7.7	58	51-80	OPIC - FMD: OI Stand Year Origin was 1960
50	42220 - Natural Jack Pine	Sapling Well	26.5	26	Immature	Stand Year Origin was 1992. Some clones of Aspen along the perimeter.
51	4130 - Aspen	Poletimber Well	14.7	42	1-50	Part of a multi-compartmental stand that will be cut all those adjacent stands,
52	42220 - Natural Jack Pine	Poletimber Poor	1.6	42	1-50	
53	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	3.9	80	51-80	Outer rim of swamp mix along young swamp



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
54	4319 - Mixed Upland Forest	Sawtimber Well	4.7	78	51-80	Small stand of mature Pine and Oak left out of adjacent cut and along swamp edge. Good retention stand.
55	4134 - Aspen, Spruce/Fir	Poletimber Well	13.3	78	81-110	South end of the stand starts to get wet.
57	42200 - Natural White Pine	Poletimber Well	2.5	58	1-50	: Small ridge surrounded by flooded or wet ground.
59	4311 - Pine, Aspen Mix	Sapling Well	21.8	26	Immature	This stand did not start out well after it was cut but has come on well over the years.
60	6124 - Lowland Spruce-Fir	Sapling Well	29.5	28	Immature	OI Stand Year Origin was 1990. Very thick regeneration, seeing some young Cedar underneath it all.
64	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	22.3	57	81-110	Spur to HCP runs thru stand to McLavey Lake.
65	4130 - Aspen	Sapling Well	1.0	7	Immature	North edge of larger stand to the south that was already cut.
66	4119 - Mixed Northern Hardwoods	Poletimber Medium	9.4	58	1-50	McLavey Lake spur of HCP runs through stand
69	6122 - Black Spruce	Poletimber Well	11.4	86	81-110	
70	6120 - Lowland Cedar	Poletimber Well	246.6	105	81-110	OPIC - FMD: Site quality is quite variable depending upon drainage. Portions of stand are pretty wet.
71	429 - Mixed Upland Conifers	Sawtimber Well	34.4	105	51-80	Complex stand of narrow pine ridges and conifer swales. HCP runs along part of the stand.
72	4130 - Aspen	Sapling Well	47.8	14	Immature	
73	4119 - Mixed Northern Hardwoods	Poletimber Well	3.1	88	51-80	Retention stand from when stand 72 was cut.
74	4130 - Aspen	Sapling Well	6.9	14	Immature	
75	4130 - Aspen	Poletimber Well	30.1	35	1-50	Emerging pole stand
76	4134 - Aspen, Spruce/Fir	Poletimber Well	29.2	34	51-80	High Country Pathway passes thru stand.
77	6120 - Lowland Cedar	Poletimber Well	25.0	105	111-140	Wet stand
78	6120 - Lowland Cedar	Poletimber Well	22.5	86	81-110	OI Stand Year Origin was 1932

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Pigeon River Country Mgt. Unit

Report 7 – Forested Stands

Compartment: 20
Year of Entry: 2020

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4133 - Aspen, Mixed Pine	Sapling Well	10.0	26	Immature	
4130 - Aspen	Poletimber Well	22.8	51	51-80	
4119 - Mixed Northern Hardwoods	Poletimber Well	17.6	85	81-110	Not real good quality hardwood
4130 - Aspen	Sapling Well	15.8	34	1-50	
6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	22.9	83	51-80	Wet stand, Black Ash has died out
4130 - Aspen	Sapling Well	23.3	26	Immature	
6130 - Fir, Aspen, Maple	Sapling Well	61.9	28	Immature	
6132 - Mixed Lowland Forest with Cedar	Poletimber Well	5.6	58	81-110	
6132 - Mixed Lowland Forest with Cedar	Poletimber Well	4.4	58	81-110	Low, wet area that ties into swamp to the north onto private property.
4133 - Aspen, Mixed Pine	Poletimber Well	9.5	42	51-80	



Stand	Cover Type	Acres	Managed Site	General Comments:
33	623 - Emergent Wetland	12.9	No	Old Beaver marsh. Water levels fluctuate with beaver activity, but has been inactive for some time now.
34	3102 - Grass	2.0	No	NATURAL OPENING
35	3102 - Grass	2.2	No	NATURAL OPENING
56	6239 - Mixed Emergent Wetland	1.6	No	
58	623 - Emergent Wetland	6.3	No	Old beaver flooding along old railroad grade.
61	622 - Lowland Shrub	7.3	No	Creek bottom with a lot of standing dead timber as a result of beaver activity in stand 33.
62	622 - Lowland Shrub	2.0	No	Pocket of Tag Alder along Milligan Creek within larger Cedar swamp.
63	500 - Water	24.8	No	McLavey Lake
67	629 - Mixed non-forested wetland	5.1	No	Milligan Creek floodplain, periodic beaver flooding.
68	3102 - Grass	1.5	No	Poor, sandy soil.
85	622 - Lowland Shrub	1.6	No	
90	310 - Herbaceous Openland	2.9	No	THIS STAND WAS PART OF A TIMBER SALE WITH AN ADJACENT STAND TO THE NORTH AND THE SURROUNDING STAND 30 CUT IN 1997. IT HAS SUFFERED SOME BROWSE DAMAGE.
91	330 - Low-Density Trees	4.2	No	Old homestead area.
92	3105 - Mixed Upland Herbaceous	0.8	No	
93	3303 - Mixed Low Density Trees	1.6	No	