



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52116

Entry Year 2020

Acreage: 2,770

County Emmet

Management Area: Emmet Moraines

Revision Date: 2018-05-14

Stand Examiner: Donald Stacks

Legal Description:

T36N R05W Sections 1-3 and 10-15.

Identified Planning Goals:

To provide for the protection, integrated management, and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan.

Soil and topography:

Mostly Blue Lakes sands on very hilly topography, except for three stands located in the Pleasantview Swamp consisting of Carbondale muck.

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

Private residences are found adjacent to the compartment.

Unique Natural Features:

Early hairstreak and red-shouldered hawk are listed.

Archeological, Historical, and Cultural Features:

None listed.

Special Management Designations or Considerations:

MTU research area in northeast corner of Stand 3. MIMS plots in Stands 6 and 7.

Watershed and Fisheries Considerations:

This compartment is in the headwaters of the West Branch Maple River, a designated trout stream. Much of the compartment is in the Pleasantview Swamp, which drains via the West Branch Maple River. A 300-foot buffer (no clear-cuts) should be maintained on the West Branch Maple River. The prescribed management activities are appropriate for the protection of these waterbodies.

Wildlife Habitat Considerations:

This compartment is primarily northern hardwoods combined with a mixture of aspen, pine, and openings. Treatments in this compartment will encourage aspen re-growth benefiting deer, grouse, wild turkey and woodcock. Openings are prescribe to be maintained and supplemented with hard and soft mast plantings benefiting deer, grouse, wild turkey, and woodcock.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are located in the area, and sand & gravel potential within the compartment is good. There has been no oil & gas exploration or production in the area and potential appears to be limited. There is no active mineral leasing in the area.

Vehicle Access:

Multiple county roads, seasonal county roads, and forest trail roads provide access into the compartment.

Survey Needs:

Possibly 1/2 to 1 mile of private property lines may require the assistance of the DNR survey crew.

Recreational Facilities and Opportunities:

A designated snowmobile trail runs through the compartment.

Fire Protection:

The Indian River DNR Field Office is located about 20 miles to the southeast and the Village of Pellston VFD is located 4 miles to the east.

Additional Compartment Information:

The following reports from the Inventory are attached:

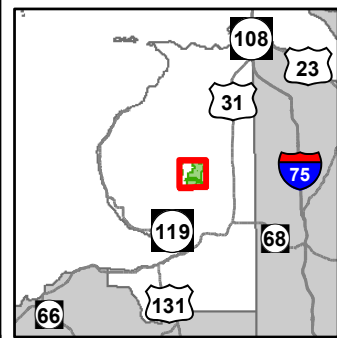
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

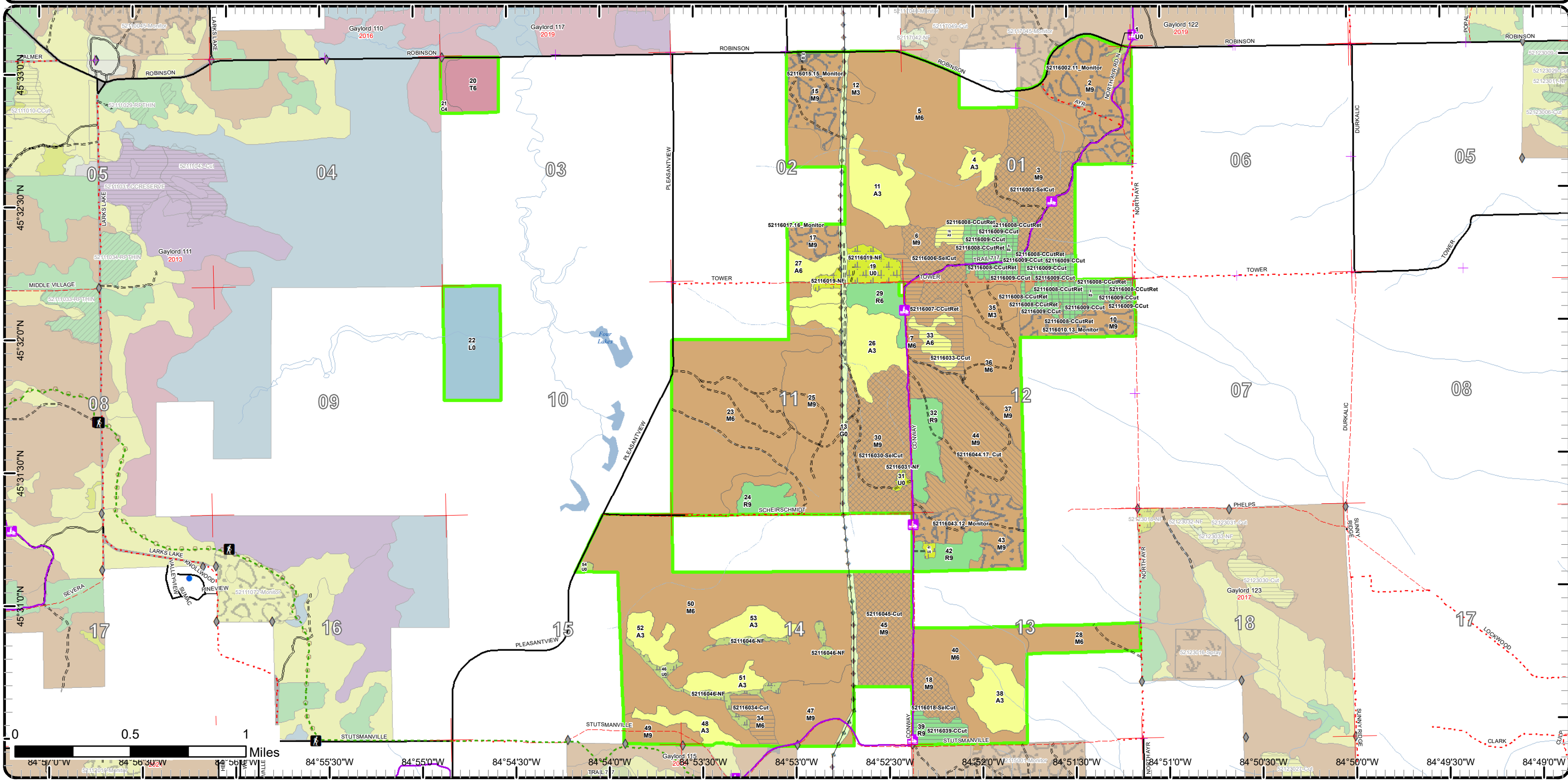
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 116
 T36N, R05W, Sec. 1-3, 10-15
 T37N, R05W, Sec. 36
 County: Emmet
 Unit: Gaylord
 Mgmt Area: Emmet Moraines
 YOE: 2020
 Acres: 2,770 GIS Calculated
 Examiner: Donald Stacks
 Map Revised: 10/1/2018
 Map Phase: Post-Review

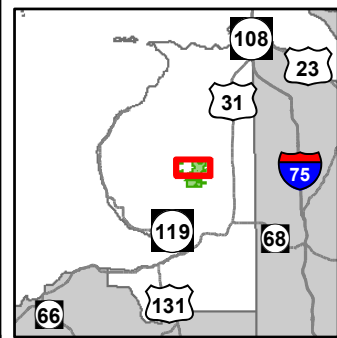


- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Snowmobile Trails
- Designated Hiking Trails
- Designated Snowmobile Trails
- ▲ Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Other Harvest - See Comments
- Other Treatment - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- Lakes

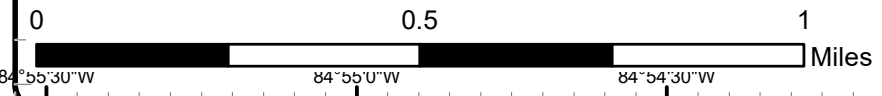
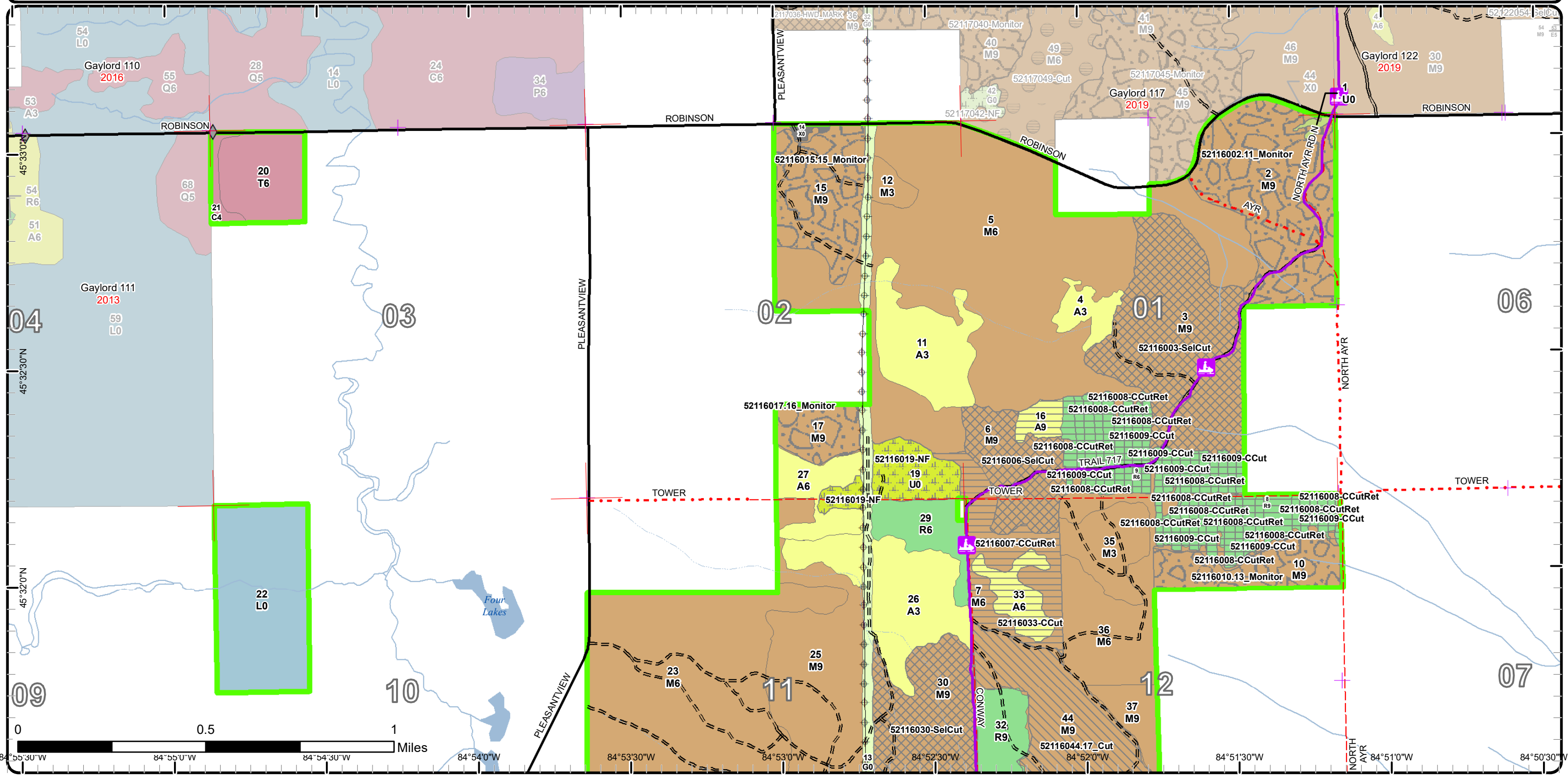


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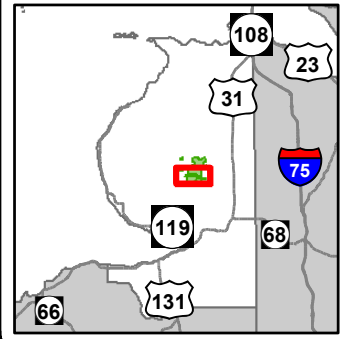


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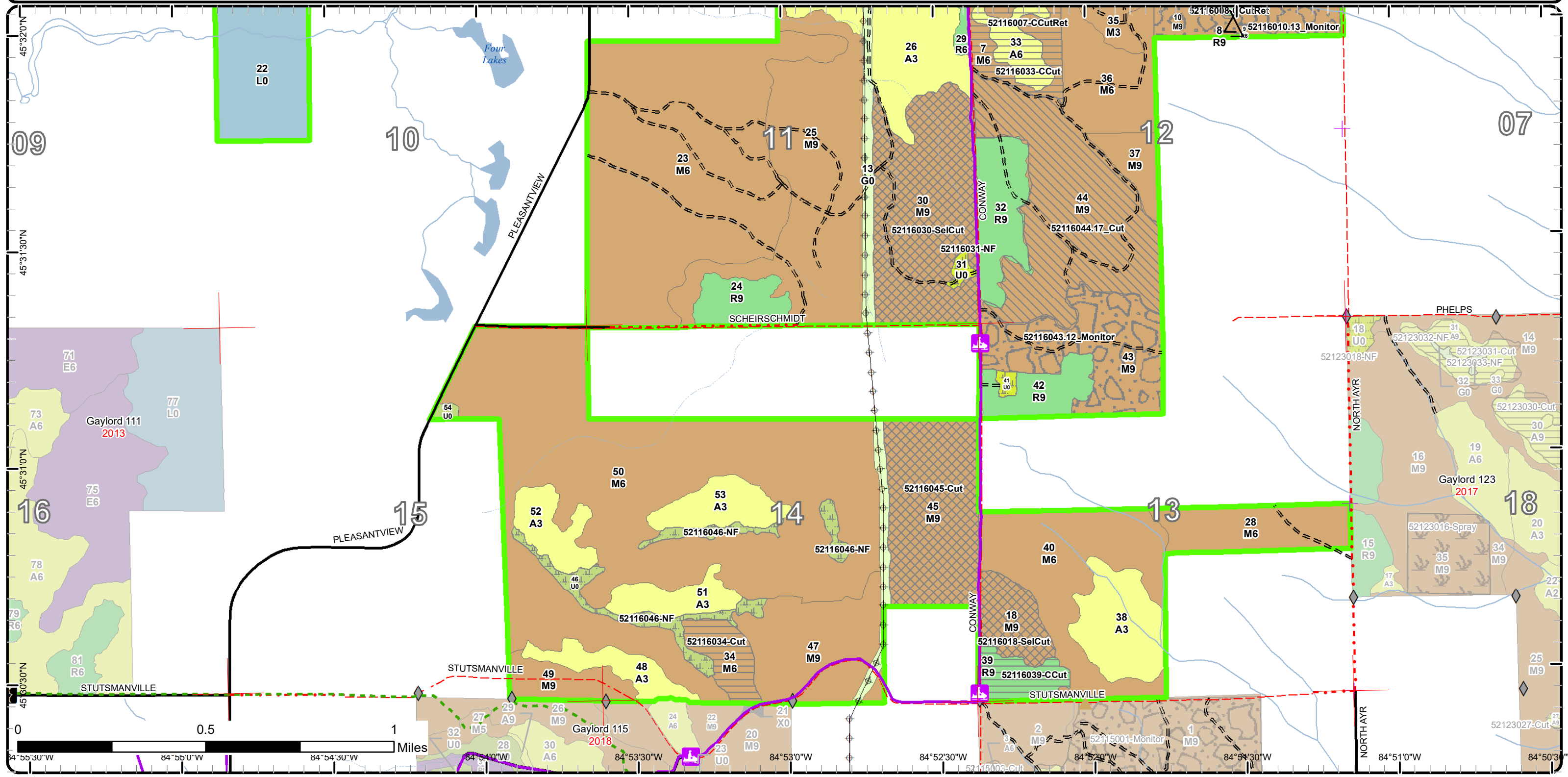


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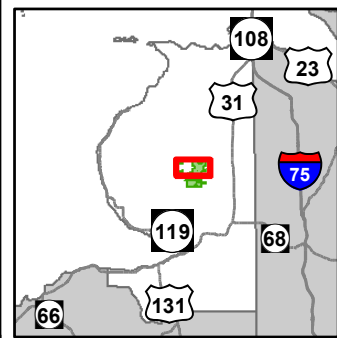


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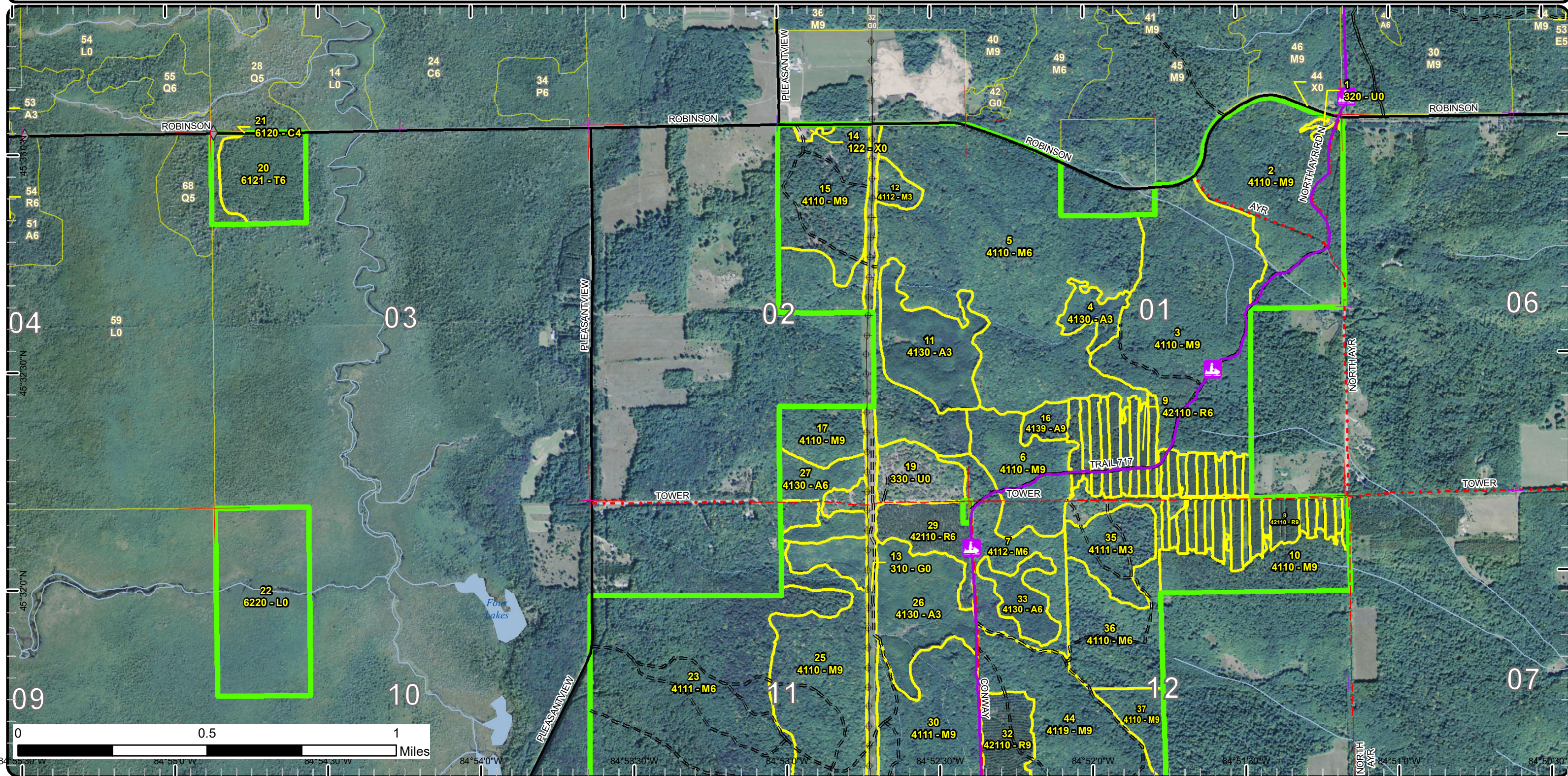


Stand Boundary Map

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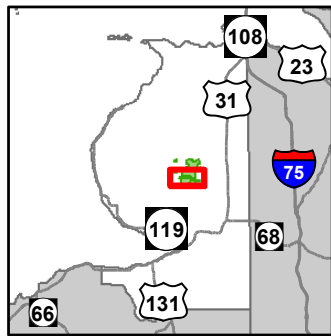


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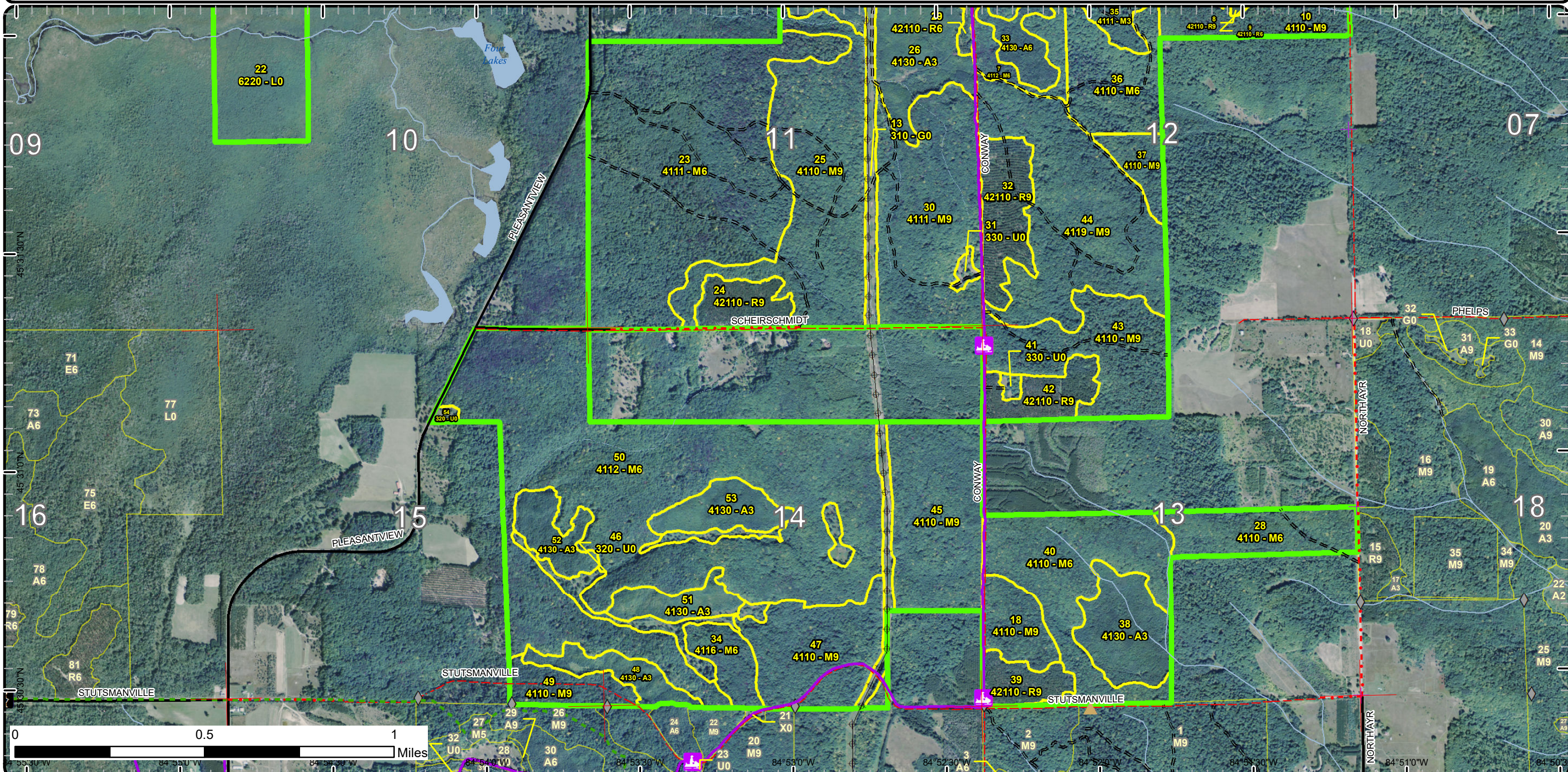


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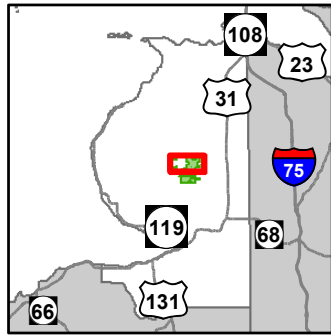


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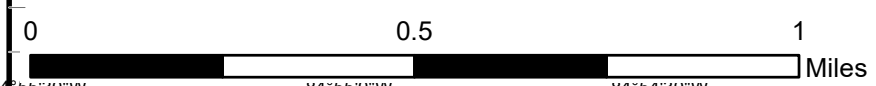
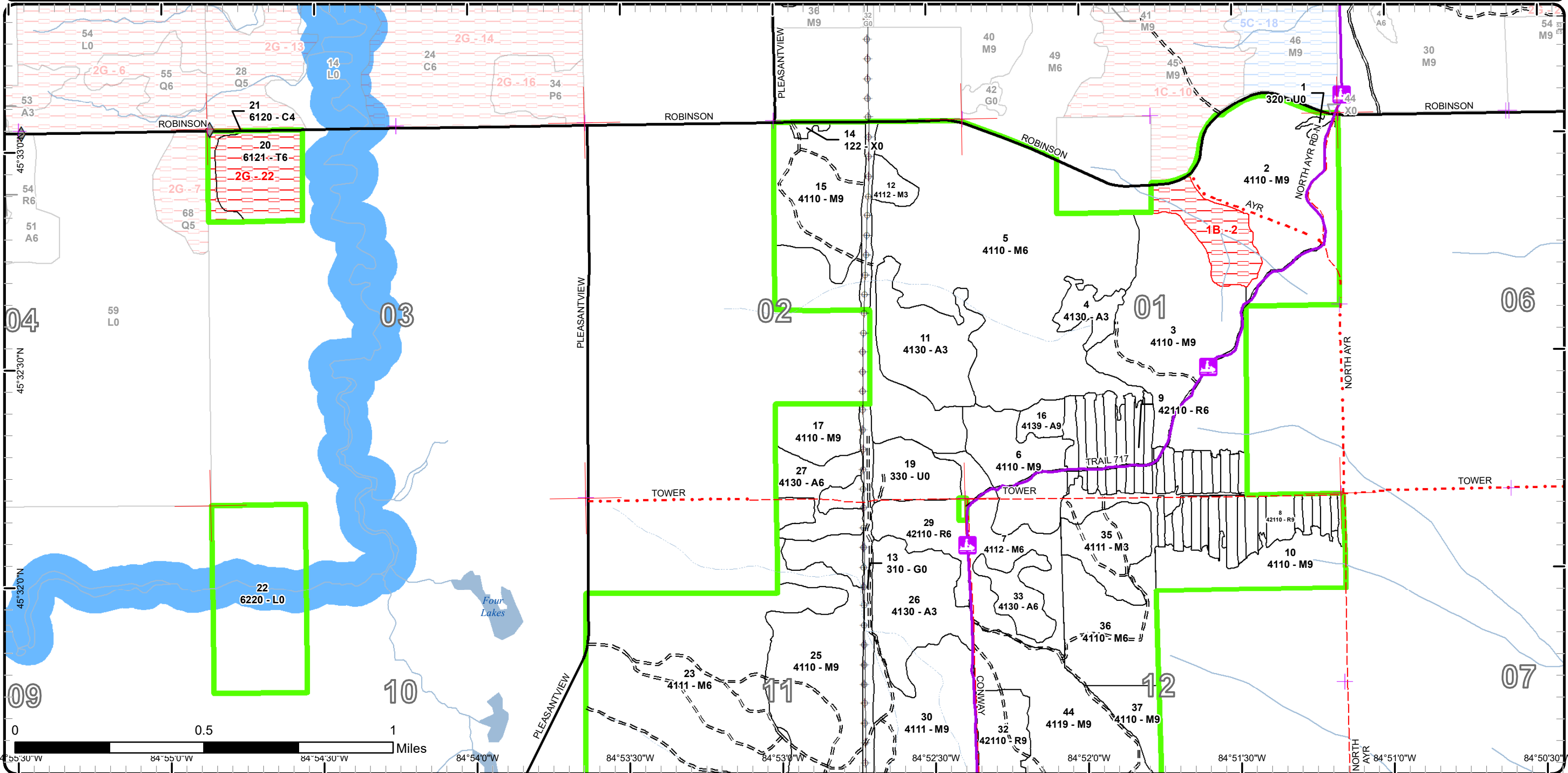


Special Conservation Areas & Site Conditions Map

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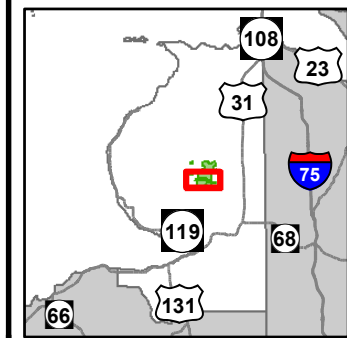
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- Compartment Boundary
- Unavailable
- 1B: Non-DNR agency concerns (e.g. USFS)
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer



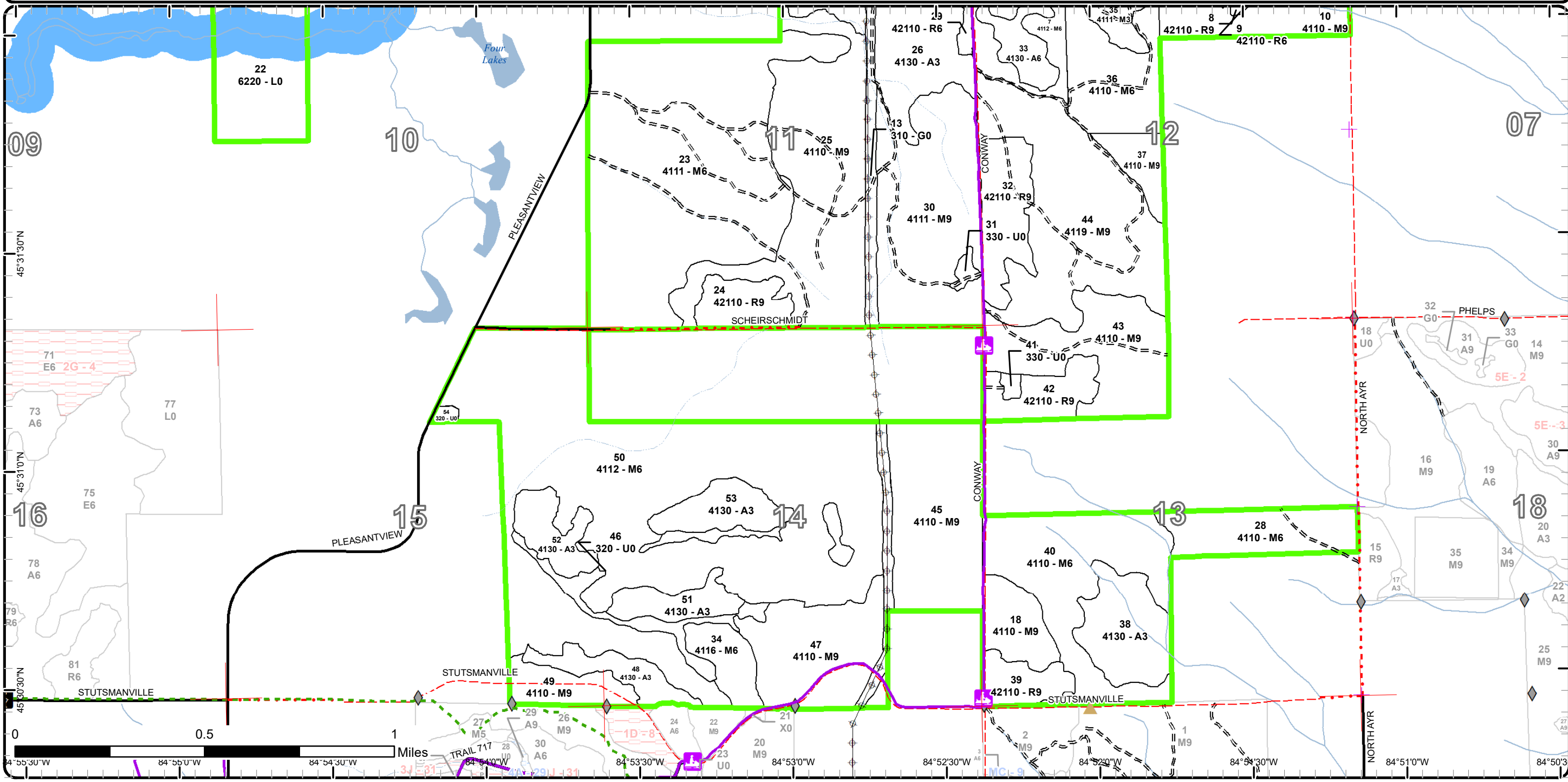
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Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	92	134	38	0	0	0	0	7	0	0	0	0	0	0	0	0	271
Cedar	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
Herbaceous Openland	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Low-Density Trees	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Lowland Shrub	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
Northern Hardwood	0	0	27	7	0	0	0	0	0	55	1918	0	0	0	0	0	0	65	2072
Red Pine	0	0	0	36	0	0	0	171	0	0	0	0	0	0	0	0	0	0	207
Tamarack	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	33
Upland Shrub	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	183	0	119	177	38	0	0	171	38	62	1918	0	0	0	0	0	0	65	2771



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 116

Total Compartment Acres: 2,770

Commercial Harvest - 660
 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	23	0	0	0	0	0	0	0	0	23
Northern Hardwood	57	351	0	0	0	0	0	0	115	522
Red Pine	115	0	0	0	0	0	0	0	0	115
Total	195	351	0	0	0	0	0	0	115	660

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	660	0	0	0	0	0	268	0	56	983
Next Step	0	230	115	0	0	115	430	0	0	890
Total	660	230	115	0	0	115	698	0	56	1873



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
2	52116002.11_Monitor	99.1	4110 - Sugar Maple Association	Sawtimber Well	90	51-80	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Monitor mixed hardwood regen. Note excessive beech or white ash regen.

Specs:Next Step

Treatments:

Acceptable Minimum stocking of northern hardwoods.

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 10/1 /2021

3	52116003-SelCut	110.1	4110 - Sugar Maple Association	Sawtimber Well	95	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Selection harvest is prescribed this YOE. Mark stand down to a post-harvest stocking density of 70 - 75 sq. ft. BA. Release desirable crop trees and create a 100 - 150' canopy gap every 4 - 6 acres. Harvest aspen clones as part of canopy gap areas. Cut all beech and white ash, unless marked with a band of green paint. No harvest activity from December 1 to April 1 because of the presence of a designated snowmobile trail, which will be the primary access road for trucks and equipment. Trail must be maintained in reasonable condition during harvest activity and be suitable for grooming by December 1. Do not damage or remove trail signs or markers. All stumps within 10' of the trail must be cut flush with the ground. There will also be no harvest activity during the barkslip season unless changed by written permission from the Gaylord Unit Supervisor. Protect den trees and raptor nests from harvest.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of northern hardwoods.

Regen:OtherComment:

Proposed Start Date: 10/1 /2019

6	52116006-SelCut	39.7	4110 - Sugar Maple Association	Sawtimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Selection harvest is prescribed this YOE. Mark stand down to a post-harvest stocking density of 70 - 75 sq. ft. BA. Release desirable crop trees and create a 100 - 150' canopy gap every 4 - 6 acres. Harvest aspen clones as part of the canopy gap area. Cut all beech and white ash, unless marked with a band of green paint. No harvest activity from December 1 to April 1 because of the presence of a designated snowmobile trail, which will be the primary access road for trucks and equipment. Also, steep topography makes it very difficult for winter harvest activity. Trail must be maintained in reasonable condition during harvest activity and be suitable for grooming by December 1. Do not damage or remove trail signs or markers. All stumps within 10' of the trail must be cut flush with the ground. There will also be no harvest activity during the barkslip season unless changed by written permission from the Gaylord Unit Supervisor. Protect den trees and raptor nests from harvest.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of northern hardwood species.

Regen:OtherComment:

Proposed Start Date: 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
7	52116007-CCutRet	39.6	4112 - Maple, Beech, Cherry Association	Poletimber Well	90	111-140	Harvest	Clearcut with Retention	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription CUT ALL TREES 2" AND LARGER AT DBH, EXCEPT INCIDENTAL OAK, HEMLOCK, WHITE PINE, BLACK CHERRY, AND JUNE BERRY.
Specs: ALSO DO NOT CUT ANY RESISTANT BEECH MARKED WITH A SINGLE BAND OF GREEN PAINT. A 1 ACRE UNCUT RETENTION ISLAND WILL BE LEFT WITHIN THE SALE AREA. PROTECT DEN TREES AND/OR RAPTOR NESTS FROM HARVEST. NO TRUCKS OR HARVEST EQUIPMENT WILL BE ALLOWED ON THE DESIGNATED SNOWMOBILE TRAIL FROM DECEMBER 1 TO APRIL 1. ACCESS INTO THE SALE MAY BE GAINED YEAR ROUND FROM THE EAST ON TOWER RD. DURING THE NON-WINTER MONTHS, THE TRAIL MUST BE MAINTAINED IN REASONABLE CONDITION DURING HARVEST ACTIVITY AND SUITABLE FOR GROOMING BY DECEMBER 1. DO NOT DAMAGE OR REMOVE TRAIL SIGNS OR MARKERS. ALL STUMPS WITHIN 10' OF THE TRAIL MUST BE CUT FLUSH WITH THE GROUND. MARK 4 - 6 TREES TO BE FELLED AND LEFT INTACT ON THE GROUND TO SERVE AS GROUSE DRUMMING LOGS. ADJACENT STAND 33 WILL BE CUT WITH STAND 7.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of northern hardwood and aspen.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

8	52116008-CCutRet	58.5	42110 - Planted Red Pine	Sawtimber Well	63	111-140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription FINAL HARVEST ALL TREES. POST-HARVEST SITE PREP INCLUDES ROLLER-CHOPPING, TRENCHING, HAND-PLANTING RED PINE SEEDLINGS, AND HERBICIDE APPLICATIONS. MONITOR SEEDLING SURVIVAL. ADDITIONAL RED OAK AND FRUIT-BEARING SHRUBS MAY ALSO BE PLANTED. 1 - 3 UN-HARVESTED RETENTION ISLANDS WILL BE LEFT. NW PORTION OF STAND, NORTH OF SNOWMOBILE TRAIL, SHOULD BE HARVESTED PRIOR TO DECEMBER 1 OR AFTER APRIL 1, TO KEEP EQUIPMENT OFF THE DESIGNATED SNOWMOBILE TRAIL DURING THE ACTIVE SEASON. ALL STUMPS SHOULD BE CUT TO 6" OR LOWER AND TOPS SHOULD BE CHIPPED TO REDUCE SLASH, TO FACILITATE TRENCHING AND RE-PLANTING. ALL STUMPS WITHIN 10' OF THE SNOWMOBILE TRAIL SHOULD BE CUT FLUSH WITH THE GROUND. PROTECT ALL TRAIL SIGNS AND MARKERS DURING HARVEST. TRAIL SHOULD BE MAINTAINED IN GOOD CONDITION DURING HARVEST AND SUITABLE FOR GROOMING BY DECEMBER 1.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical

Treatments:

Acceptable A FULLY STOCKED STAND OF RED PINE SEEDLINGS.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

9	52116009-CCut	39.9	42110 - Planted Red Pine	Poletimber Well	26	51-80	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

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Treatments:

Acceptable FULLY STOCKED RED PINE SEEDLINGS.

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
10	52116010.13_ Monitor	33.0	4110 - Sugar Maple Association	Sawtimber Well	88	51-80	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription FINGERS OF HARDWOOD SAPLINGS AND SMALL POLETIMBER THAT EXTEND NORTH INTO THE RED PINE STRIPS WILL BE HARVESTED ALONG WITH STANDS 8 AND 9 AND REPLANTED TO RED PINE SEEDLINGS. A ONE CHAIN STRIP IMMEDIATELY ADJACENT TO THE MATURE HARDWOOD ALONG THE NORTH EDGE OF STAND 10 WILL BE HARVESTED BUT NOT REPLANTED TO RED PINE BECAUSE OF SHADING ISSUES. THIS STRIP WILL BE LEFT WITH A NORTHERN HARDWOOD MO. MONTOR MIXED NORTHERN HARDWOOD REGEN.

Next Step
Treatments:

Acceptable A fully stocked stand of northern hardwood regen, primarily sugar maple.

Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

15	52116015.15_ Monitor	51.4	4110 - Sugar Maple Association	Sawtimber Well	93	81-110	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Monitor northern hardwood regen.

Specs:

Next Step
Treatments:

Acceptable Fully stocked stand of northern hardwood species.

Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

16	52116016- CCut	7.0	4139 - Aspen, Mixed Deciduous	Sawtimber Well	80	111- 140	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2" or larger at DBH, except any incidental oak, hemlock, or white pine. No unharvested retention islands will be left on this sale because of the relatively small acreage being harvested. Protect any raptor nests or obvious den trees found within the sale area. No trucks or harvest equipment may use the designated snowmobile trail to access this sale between December 1 and April 1.

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

Acceptable A mix of aspen/northern hardwood.

Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

17	52116017.16_ Monitor	19.4	4110 - Sugar Maple Association	Sawtimber Well	93	81-110	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Monitor northern hardwood regen following selection harvest completed in 2014.

Specs:

Next Step
Treatments:

Acceptable A fully stocked stand of northern hardwood regen.

Regen:

Other
Comment:

Proposed Start Date: 10/1 /2021



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
18	52116018-SelCut	22.5	4110 - Sugar Maple Association	Sawtimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Selection harvest is prescribed this YOE. Mark stand down to a post-harvest stocking density of 70 - 75 sq. ft. BA. Release desirable crop trees and create a 100 - 150' canopy gap every 4 - 6 acres. Harvest aspen clones as part of the canopy gap area. Cut all beech and white ash, unless marked with a band of green paint. No harvest activity will take place between December 1 to April 1 because of the presence of a designated snowmobile trail on N. Conway Rd. Trail must be maintained in reasonable condition during harvest activity and be suitable for grooming by December 1. Do not damage or remove trail signs or markers. All stumps within 10' of the trail must be cut flush with the ground. There will also be no harvest activity during the barkslip season, unless written permission is granted by Gaylord Unit Supervisor. Protect den trees and raptor nests.

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

Acceptable A mix of northern hardwood species.
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

19	52116019-NF	25.4	330 - Low-Density Trees	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

30	52116030-SelCut	101.1	4111 - S.Maple, Hard Mast Association	Sawtimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Selection harvest is prescribed this YOE. Mark stand down to a post-harvest stocking density of 70 - 75 sq. ft. BA. Release desirable crop trees and create a 100 - 150' canopy gap every 4 - 6 acres. Harvest aspen clones as part of the canopy gap area. Cut all beech and white ash, unless marked with a band of green paint. Access into the sale area must come from the west off Scheirschmidt Rd. between December 1 to April 1 because of the presence of a designated snowmobile trail on N. Conway Rd. Harvested wood will also have to be trucked out on Scheirschmidt Rd. during this time period. Trail must be maintained in reasonable condition during harvest activity and be suitable for grooming by December 1. Do not damage or remove trail signs or markers. All stumps within 10' of the trail must be cut flush with the ground. There will also be no harvest activity during the barkslip season, unless written permission is granted by Gaylord Unit Supervisor. Protect den trees and raptor nests.

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

Acceptable A mix of northern hardwood.
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
31	52116031-NF	2.8	330 - Low-Density Trees	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

33	52116033-CCut	15.7	4130 - Aspen	Poletimber Well	37	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CUT ALL TREES 2" AND LARGER AT DBH, EXCEPT INCIDENTAL OAK, HEMLOCK, WHITE PINE, BLACK CHERRY, AND JUNE BERRY. PROTECT DEN TREES AND/OR RAPTOR NESTS FROM HARVEST. NO TRUCKS OR HARVEST EQUIPMENT WILL BE ALLOWED ON THE DESIGNATED SNOWMOBILE TRAIL FROM DECEMBER 1 TO APRIL 1. ACCESS INTO THE SALE MAY BE GAINED YEAR ROUND FROM THE EAST ON TOWER RD. DURING THE NON-WINTER MONTHS, THE TRAIL MUST BE MAINTAINED IN REASONABLE CONDITION DURING HARVEST ACTIVITY AND SUITABLE FOR GROOMING BY DECEMBER 1. DO NOT DAMAGE OR REMOVE TRAIL SIGNS OR MARKERS. ALL STUMPS WITHIN 10' OF THE TRAIL MUST BE CUT FLUSH WITH THE GROUND

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable MIXED ASPEN/HARDWOOD.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

34	52116034-Cut	17.5	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	80	81-110	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 2" and larger at DBH, except black cherry marked with a band of green paint and any incidental juneberry, hemlock, oak, or white pine. No un-harvested retention islands will be left because of the small stand acreage. No harvest activity will occur between December 1 and April 1 due to the presence of the designated snowmobile on E. Stutsmanville Rd., which is the only access road to the sale area. Do not remove or damage any trail signs or markers. E. Stutsmanville must remain in a condition that is passable for two-wheel drive vehicles. The trail must be suitable for grooming by December 1. Any trees cut within 10 feet of the trail must be cut flush with the ground.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of northern hardwood/aspen.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
39 52116039-CCut	16.4	42110 - Planted Red Pine	Sawtimber Well	61	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription FINAL HARVEST ALL TREES, EXCEPT ANY INCIDENTAL OAK. POST-HARVEST SITE PREP INCLUDES ROLLER-CHOPPING, TRENCHING, HAND-PLANTING RED PINE SEEDLINGS, AND HERBICIDE APPLICATIONS. MONITOR SEEDLING SURVIVAL. ADDITIONAL RED OAK AND FRUIT-BEARING SHRUBS MAY ALSO BE PLANTED. NO UN-HARVESTED RETENTION ISLANDS WILL BE LEFT BECAUSE OF THE SMALL STAND ACREAGE. NO TRUCKS OR HARVEST EQUIPMENT ARE ALLOWED ON N. CONWAY RD. BETWEEN DECEMBER 1 AND APRIL 1 BECAUSE OF THE DESIGNATED SNOWMOBILE TRAIL. ACCESS TO THE STAND MAY BE GAINED FROM THE EAST ON E. STUTSMANVILLE RD. ALL STUMPS SHOULD BE CUT TO 6" OR LOWER AND TOPS SHOULD BE CHIPPED TO REDUCE SLASH, TO FACILITATE TRENCHING AND RE-PLANTING. ALL STUMPS WITHIN 10' OF THE SNOWMOBILE TRAIL SHOULD BE CUT FLUSH WITH THE GROUND. PROTECT ALL TRAIL SIGNS AND MARKERS DURING HARVEST. TRAIL SHOULD BE MAINTAINED IN GOOD CONDITION DURING HARVEST AND SUITABLE FOR GROOMING BY DECEMBER 1.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Skidder/Mechanical
Treatments:

Acceptable A FULLY STOCKED STAND OF RED PINE SEEDLINGS.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

41 52116041-NF	2.1	330 - Low-Density Trees	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

43 52116043.12_Monitor	64.9	4110 - Sugar Maple Association	Sawtimber Well	90	81-110	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Monitor northern hardwood regen.

Specs:

Next Step

Treatments:

Acceptable A fully stocked stand of northern hardwood regen.

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
23	52116044.17_Cut	114.5	4111 - S.Maple, Hard Mast Association	Poletimber Well	90	81-110	Harvest	Other - Specify	4110 - Sugar Maple Association	Uneven-Aged	Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Salvage. Harvest all white ash and beech (except any beech that show resistance to BBD) . Mark den trees where possible.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Comment: Old next step comments: Maple, basswood, birch, black cherry and aspen regeneration is acceptable. If beech and white ash regeneration prohibits regeneration of other hardwood species, ash and beech may have to be treated my mechanical or chemical means.

Proposed Start Date: 10/1 /2012

45	52116045-Cut	77.2	4110 - Sugar Maple Association	Sawtimber Well	90	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Selection harvest is prescribed this YOE. Mark stand down to a post-harvest stocking density of 70 - 75 sq. ft. BA. Release desirable crop trees and create a 100 - 150' canopy gap every 4 - 6 acres. Harvest aspen clones as part of the canopy gap area. Cut all beech and white ash, unless marked with a band of green paint. No harvest activity will take place between December 1 to April 1 because of the presence of a designated snowmobile trail on N. Conway Rd. Trail must be maintained in reasonable condition during harvest activity and be suitable for grooming by December 1. Do not damage or remove trail signs or markers. All stumps within 10' of the trail must be cut flush with the ground. There will also be no harvest activity during the barkslip season, unless written permission is granted by Gaylord Unit Supervisor. Protect den trees and raptor nests.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of northern hardwood.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

46	52116046-NF	25.3	320 - Upland Shrub	Nonstocked			Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

**Total Treatment
Acreage Proposed: 983.1**

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks : Examiner

Compartment: 116
Year of Entry: 2020

Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	With Condition	Not Available

Dominant Site Conditions

1B 2G

270	270	0	0	Aspen		
5	0	0	5	Cedar		5
43	43	0	0	Herbaceous Openland		
30	30	0	0	Low-Density Trees		
79	79	0	0	Lowland Shrub		
2072	2046	0	26	Northern Hardwood	26	
207	207	0	0	Red Pine		
33	1	0	33	Tamarack		33
29	29	0	0	Upland Shrub		
2	2	0	0	Urban		
2,770	2,706		64	Total Forested Acres	26	38
	98%		2%	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
2	Unavailable	1B: Non-DNR agency concerns (e.g. USFS)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term MTU forestry research area.							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	38	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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4110 - Sugar Maple Association	Sawtimber Well	99.0	90	51-80	Harvest completed in 2015. Beech and ash were salvaged. There were beech trees in this stand tagged for a university study. As many as possible were located and painted to remain uncut. Present BA is about 70 sq. ft.
3	4110 - Sugar Maple Association	Sawtimber Well	136.0	95	111-140	High quality stand of mostly sugar maple sawtimber. Stand was TSI'd in the mid 60's and thinned in 1980 - 1981. Present BA is about 127 sq. ft. Stand will be prescribed for a selection harvest this YOY. MTU has an ongoing long-term research project located in the NE corner of the stand. This area will not be included in the harvest. A flowing spring, with steep, high banks, exists along the west boundary of the stand and will not be impacted by the harvest.
4	4130 - Aspen	Sapling Well	11.5	26	Immature	FAIRLY DENSE BIG-TOOTHED ASPEN REGEN FROM SAPS TO POLETIMBER FROM 1992 HARVEST. FINAL HARVEST IN ABOUT 30 YEARS.
5	4110 - Sugar Maple Association	Poletimber Well	258.8	90	81-110	NORTHERN HARDWOOD, MOSTLY SUGAR MAPLE POLETIMBER, LOCATED ON VERY HILLY TERRAIN. MANY SMALLER DIAMETERS AND LESSER QUALITY TREES AS COMPARED TO STAND 3. AVERAGE BA IS ABOUT 96 SQ. FT. PRESENTLY. STAND DOES NOT APPEAR TO HAVE BEEN TREATED IN THE PAST PROBABLY DUE TO TOPOGRAPHY AND DIFFICULT ACCESS. SEVERAL AREAS OF HIGHER STEM QUALITY AND STOCKING DENSITY COULD BE SPLIT OUT FROM THE REST OF STAND 5 AND BE THINNED IN 10 - 20 YEARS. POCKETS OF BEECH CONCENTRATIONS WITHIN STAND. SPARSE WHITE ASH COMPONENT MOST OF WHICH WAS DEAD AND DYING.
6	4110 - Sugar Maple Association	Sawtimber Well	39.9	90	111-140	MIXED NORTHERN HARDWOOD, MOSTLY SUGAR MAPLE SAWTIMBER AND BOLTWOOD, WITH A FAIR AMOUNT OF BASSWOOD AND BEECH, LOCATED ON VERY HILLY TERRAIN. LESSER AMOUNTS OF RED MAPLE PRESENT ALSO. AVERAGE BA IS ABOUT 118 SQ. FT. PRESENTLY. STAND DOES NOT APPEAR TO HAVE BEEN TREATED WITH STAND 3 IN THE PAST POSSIBLY DUE TO TOPOGRAPHY. SELCTION HARVEST PRESCRIBED THIS YOY.
7	4112 - Maple, Beech, Cherry Association	Poletimber Well	39.6	90	111-140	LESSER QUALITY, (RED MAPLE/BEECH), MIXED NORTHERN HARDWOOD. FAIR AMOUNT OF INFESTED BEECH WITHIN STAND. SPARSE, SCATTERED BIG-TOOTHED ASPEN PRESENT ALSO. FAIRLY DENSE MIXED HARDWOOD UNDERSTORY. ADJACENT TO DESIGNATED SNOWMOBILE TRAIL ON TOWER AND N. CONWAY RDS. FINAL HARVEST STAND TO EXPAND ASPEN COMPONENT AND IMPROVE STOCKING DENSITY. FINAL HARVEST STAND 33 ALSO.
8	42110 - Planted Red Pine	Sawtimber Well	58.6	63	111-140	STAND CONSISTS OF SAWTIMBER AND BOLTWOOD. MANY TREES HAVE 16" - 18" DIAMETERS AND ARE COMMERCIALY MATURE FOR HARVEST PRESENTLY. MANY OF UTILITY POLE GRADE PRESENT. STAND WAS ROW-THINNED IN MID 1980'S, WITH A MARKED THINNING IN 2002 AND ANOTHER THINNING IN 2014. CURRENT BA IS ABOUT 140 SQ. FT. FINAL HARVEST THIS YOY ALONG WITH RED PINE POLETIMBER IN ADJACENT STAND 9 TO ELIMINATE NARROW STRIPS OF TWO-AGED RED PINE. REPLANT ALL STRIPS TO RED PINE SEEDLINGS AFTER HARVEST AND SITE PREP.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
9	42110 - Planted Red Pine	Poletimber Well	36.1	26	51-80	STRIPS OF DENSE, YOUNG RED PINE IN TRANSITION FROM SAPLINGS TO SMALL POLETIMBER. CURRENT BA IS ABOUT 60 SQ. FT. DIAMETERS VARY FROM NON-COMMERCIAL STEMS TO TREES WITH 1 - 3 STICKS PRESENT. SPARSE, SCATTERED JACK PINE AND HARDWOOD ALSO PRESENT. CLEARCUT R6 STRIPS THIS YOY ALONG WITH ADJACENT R9 STRIPS. RE-PLANT ALL CURRENT STRIPS AT THE SAME TIME, INSTEAD OF PERPETUATING THE CURRENT TWO-AGED STRIPS.
10	4110 - Sugar Maple Association	Sawtimber Well	37.3	88	51-80	STAND CONSISTS OF ALMOST ENTIRELY OF SUGAR MAPLE SAWLOGS AND BOLTWOOD. VERY GOOD QUALITY, CONSISTENTLY STOCKED THROUGHOUT STAND. HARVESTED IN 2013. STAND BA IS ABOUT 85 SQ. FT. SELECTION HARVEST IN 20 YEARS. SPARSE REGEN PRESENTLY. FINGERS OF HARDWOOD THAT EXTEND NORTH INTO THE RED PINE STRIPS WILL BE HARVESTED ALONG WITH STANDS 8 AND 9 AND REPLANTED TO RED PINE SEEDLINGS. A ONE CHAIN STRIP IMMEDIATELY ADJACENT TO THE MATURE HARDWOOD ALONG THE NORTH EDGE OF STAND 10 WILL BE HARVESTED BUT NOT REPLANTED TO RED PINE BECAUSE OF SHADING ISSUES. THIS STRIP WILL BE LEFT WITH A NORTHERN HARDWOOD MO.
11	4130 - Aspen	Sapling Well	42.7	26	Immature	FAIRLY DENSE BIG-TOOTHED ASPEN/NORTHERN HARDWOOD REGENERATION FROM 1992 FINAL HARVEST. SAPLINGS AND SMALL DIAMETER POLETIMBER. FINAL HARVEST IN 20 TO 30 YEARS. HILLY TOPOGRAPHY.
12	4112 - Maple, Beech, Cherry Association	Sapling Well	6.9	25	Immature	SMALL UPLAND BRUSH SITE CONVERTING OVER TO ENCROACHING HARDWOOD, ON TOP OF KNOLL.
15	4110 - Sugar Maple Association	Sawtimber Well	52.1	93	81-110	Northern Hardwood stand that received a selection harvest in 2014. Also, all beech and ash were salvaged. Post-harvest residual BA is presently 82 sq. ft. Possible selection harvest in 20 years.
16	4139 - Aspen, Mixed Deciduous	Sawtimber Well	7.0	80	111-140	Small stand of mostly big-toothed aspen sawlogs with lesser amounts of red maple, sugar maple, and beech. The surrounding area is dominated by mixed hardwood. Manage this small stand for aspen for wildlife and diversity purposes. Prescribe a final harvest this YOY.
17	4110 - Sugar Maple Association	Sawtimber Well	19.8	93	81-110	Stand received a selection harvest in 2014. All white ash and beech were also removed for salvage. Post-harvest residual BA is 82. sq. ft. Possible selection harvest in 20 years.
18	4110 - Sugar Maple Association	Sawtimber Well	22.5	90	111-140	Mixed northern hardwood, mostly sawtimber. Stand has a fairly high component of basswood and white ash. White ash and beech are in various stages of decline and mortality. Present BA is about 123sq. ft. Selection harvest occurred in 1980. Prescribe a selection harvest this YOY.
20	6121 - Tamarack	Poletimber Well	33.2	78	81-110	MIXED CONIFERS, MOSTLY TAMARACK, LOCATED WITHIN PLEASANTVIEW SWAMP, ADJACENT TO ROBINSON RD. TOO WET TO HARVEST.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	6120 - Lowland Cedar	Poletimber Poor	5.4	78	1-50	LESSER STOCKED STAND OF MIXED CONIFERS, MOSTLY CEDAR, LOCATED WITHIN PLEASANTVIEW SWAMP, ADJACENT TO ROBINSON RD. TOO WET TO HARVEST.
23	4111 - S.Maple, Hard Mast Association	Poletimber Well	222.4	90	81-110	Mixed northern hardwood stand, mostly poletimber. Stand was last thinned in 2002-2003. Parts of the stand have been harvested in previously in the 60's and 1981. Present BA is about 100 sq. ft. Higher quality sugar maple make up the southern 2/3 of the stand, with a lower BA of more red maple located in the northern 1/3 of the stand. A selection harvest could be prescribed in about 20 years.
24	42110 - Planted Red Pine	Sawtimber Well	19.5	61	111-140	RED PINE IN TRANSITION FROM POLETIMBER INTO SAWLOGS. STAND RECEIVED A SECOND MARKED THINNING, COMPLETED IN SEPTEMBER 2011. PRESENT BA IS ABOUT 140. POSSIBLE THINNING NEXT YO. E.
25	4110 - Sugar Maple Association	Sawtimber Well	127.3	90	81-110	Stand consists of mixed northern hardwood, mostly sawtimber, on rolling terrain. Current stand BA is about 96 sq. ft. High quality sugar maple, mostly boltwood, is found in the southern 2/3 of the stand. The northern 1/3 of the stand has more beech and red maple present, with a lower stand BA. Stand was TSI'd in the late 50's and thinned in 1981. Possible selection harvest in 20 years.
26	4130 - Aspen	Sapling Well	56.5	16	Immature	FAIRLY DENSE ASPEN/HARDWOOD REGEN FROM 6/2002 FINAL HARVEST. FAIRLY HILLY TOPOGRAPHY. NOT AS WELL STOCKED WEST OF UTILITY R.O.W. FINAL HARVEST IN 40 YEARS.
27	4130 - Aspen	Poletimber Well	21.9	37	51-80	REGENERATING ASPEN IN TRANSITION FROM SAPS TO POLETIMBER FROM 1981 FINAL HARVEST. FAIRLY DENSE MIXED HARDWOOD IN UNDERSTORY. FINAL HARVEST IN 20 YEARS.
28	4110 - Sugar Maple Association	Poletimber Well	38.3	90	81-110	Lesser stocked stand of mostly sugar maple, with lesser amounts of basswood and beech, on mostly flat topography. BA is presently about 86 sq. ft. Sugar maple is mostly poletimber with beech having more sawlog-sized trees. Beech is in various stages of decline from BBD. A beech salvage would leave very low post-harvest BA of mostly sugar maple poletimber. Possible thinning in 20 - 30 years after beech has fallen out of stand.
29	42110 - Planted Red Pine	Poletimber Well	22.1	61	111-140	RED PINE STAND IN TRANSITION FROM POLETIMBER TO SMALLER SAWLOGS. STAND RECEIVED SECOND MARKED THINNING, COMPLETED AUGUST 2011. PRESENT BA IS ABOUT 140 SQ. FT. POSSIBLE THINNING NEXT YO. E.
30	4111 - S.Maple, Hard Mast Association	Sawtimber Well	101.1	90	111-140	High quality mixed northern hardwood, mostly sugar maple sawlogs, on rolling terrain. Stand is located between N. Conway Rd. to the east, which is a designated snowmobile trail, the utility ROW to the west, and Scheirschmidt Rd. to the south. Stand was thinned in 1980-81. Light hardwood understory present, with more of a dense stocking in the south 1/4 of stand. Present BA is about 125 sq. ft. Prescribe selection harvest this YO. E.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
32	42110 - Planted Red Pine	Sawtimber Well	32.6	61	111-140	STAND RECEIVED SECOND THINNING, COMPLETED SEPTEMBER 2011. BECAUSE RESIDUAL ROWS WERE VERY NARROW AND ON HILLY GROUND, EVERY THIRD ROW WAS CUT. THIS METHOD WAS VERY SUCCESSFUL IN THAT 1/3 OF THE VOLUME WAS REMOVED AND THERE WAS ALMOST NO DAMAGE TO RESIDUAL ROWS BECAUSE EQUIPMENT HAD MORE ROOM TO OPERATE. PRESENT BA IS ABOUT 140 SQ. FT. NO TREATMENT WILL BE PRESCRIBED THIS YO. LARGER AVERAGE DIAMETERS ARE DESIRED BEFORE A POSSIBLE FINAL HARVEST. PRESCRIBE ONE LAST THINNING OR FINAL HARVEST NEXT YO.
33	4130 - Aspen	Poletimber Well	15.7	37	51-80	SMALL STAND OF YOUNG ASPEN POLETIMBER FROM 1981 FINAL HARVEST. FAIRLY DENSE MIXED HARDWOOD UNDERSTORY PRESENT. FINAL HARVEST THIS YO WITH ADJACENT STAND 7 BECAUSE OF THE RELATIVELY SMALL ACREAGE OF STAND 33, AND ALSO TO AVOID HAVING TO DRIVE THROUGH SAPLINGS IN STAND 7 IN 10 OR 20 YEARS.
34	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	17.5	80	81-110	Poor quality mixed hardwood stand, mostly red maple, with multiple aspen clones present also. South half of stand is flat, north half consists of a significant slope, but operable. Adjacent to E. Stutsmanville Rd. which is also a designated snowmobile trail. Manage this stand for aspen component. Final harvest this YO.
35	4111 - S.Maple, Hard Mast Association	Sapling Well	26.8	18	Immature	DENSE, YOUNG HARDWOOD REGEN FROM FINAL HARVEST IN 2000. STAND IS PART OF AN 80 ACRE PARCEL THE STATE ACQUIRED IN 2001 FROM PRIVATE OWNERSHIP. SMALL OPENINGS AND A FEW LARGE, UNCUT HARDWOOD LOG TREES SCATTERED THROUGHOUT STAND.
36	4110 - Sugar Maple Association	Poletimber Well	57.3	90	81-110	STAND WAS ACQUIRED FROM PRIVATE OWNERSHIP IN 2001. STAND WAS THINNED PRIOR TO STATE'S ACQUISITION AND NOW CONSISTS OF MOSTLY SUGAR MAPLE POLETIMBER IN TRANSITION INTO SMALLER SAWLOGS. PRESENT BA IS ABOUT 100 SQ. FT. LARGER DIAMETERS ARE FOUND IN SOUTH HALF OF STAND. HEAVY ADVANCED HARDWOOD UNDERSTORY PRESENT. POSSIBLE THINNING IN 10 - 20 YEARS.
37	4110 - Sugar Maple Association	Sawtimber Well	14.2	90	111-140	High quality northern hardwood sawtimber stand, mostly sugar maple. Stand is smaller acreage. This stand was part of Stand 44 adjacent to the south but was not included in the current harvest because it had a lower stocking levels of ash/beech. Fair amount of larger diameters especially in the south half of the stand. Present BA is about 117 sq. ft. hold this stand for 10 - 20 years and prescribe it with Stand 36 adjacent to the north to give the timber sale more acreage/volume. Also, a fair amount of hardwood selection is already prescribed presently in this compartment.
38	4130 - Aspen	Sapling Well	37.9	27	Immature	BT ASPEN/NORTHERN HARDWOOD MIXED REGEN FROM 1991 FINAL HARVEST, IN TRANSITION FROM SAPS TO POLETIMBER. FINAL HARVEST IN 20 - 30 YEARS.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
39	42110 - Planted Red Pine	Sawtimber Well	16.4	61	111-140	RED PINE PLANTATION, MOSTLY SAWLOGS AND BOLTWOOD, ON ROLLING TOPOGRAPHY. FIRST MARKED THINNING COMPLETED 6/2002. SECOND MARKED THINNING WAS COMPLETED IN MAY 2012. CURRENT BA IS ABOUT 130 SQ. FT. A FAIR AMOUNT OF UTILITY POLES ARE PRESENT IN THE STAND. AVERAGE DIAMETERS ARE LARGE ENOUGH TO PRESCRIBE A FINAL HARVEST ON THIS STAND THIS YO. E.
40	4110 - Sugar Maple Association	Poletimber Well	82.7	90	111-140	Fairly high quality stand of mostly sugar maple poletimber and small sawlogs, on mostly flat topography. Stand was thinned in 1981. Very light regen in understory, mostly beech saps. Present BA is about 113 sq. ft. With the amount of hardwood selection harvests already prescribed, this would be a good stand to hold treatment on for 10 years. Prescribe selection harvest next YO. E.
42	42110 - Planted Red Pine	Sawtimber Well	22.0	61	111-140	RED PINE PLANTATION, MOSTLY SAWLOGS AND BOLTWOOD, ON ROLLING TOPOGRAPHY. PRESENT BA IS ABOUT 130 SQ. FT. SALVAGE HARVEST FROM ICE DAMAGE OCCURED IN 1998. FIRST MARKED THINNING COMPLETED 07/2002. SECOND MARKED THINNING WAS COMPLETED IN 05/ 2012. LARGER DIAMETERS AND DENSE HARDWOOD UNDERSTORY IN EASTERN 1/3 OF STAND. FINAL HARVEST EASTERN 1/3 OF STAND NEXT YO. E. THIN WESTERN 2/3 OF STAND NEXT YO. E.
43	4110 - Sugar Maple Association	Sawtimber Well	64.9	90	81-110	HIGH QUALITY NORTHERN HARDWOOD STAND, MOSTLY SUGAR MAPLE SAWTIMBER. STAND WAS TSI'D IN EARLY 1960'S AND THINNED IN 1981. A SELECTION HARVEST WAS COMPLETED IN 2013. PRESENT BA IS ABOUT 90 SQ. FT. POSSIBLE SELECTION HARVEST IN 20 YEARS.
44	4119 - Mixed Northern Hardwoods	Sawtimber Well	117.6	90	111-140	High quality mixed northern hardwood. Stand is currently under an active contract and is being harvested at this time. Stand was originally prescribed for an out-of-year ash/beech salvage but was changed to a selection harvest because of the amount of sugar maple and basswood present. Post-harvest BA will be about 65 - 70 sq. ft.
45	4110 - Sugar Maple Association	Sawtimber Well	77.2	90	81-110	Fairly high quality mixed northern hardwood stand, mostly sugar maple. Mostly sawtimber in the north half of the stand with more poletimber located in the south half. Several pockets of mostly beech. White ash exists throughout the stand. Beech and white ash in various stages of mortality. Stand BA is presently about 110. Stand was TSI'd in the mid 1950's and thinned in 1981. Prescribe a selection harvest, along with all live ash/beech harvested as well this YO. E.
47	4110 - Sugar Maple Association	Sawtimber Well	60.7	90	81-110	Fair quality mixed northern hardwood stand, mostly sawtimber. Stand was TSI'd in late 1950's and thinned in 1981. Present BA is lower (about 85 sq. ft.). E. Stutsmanville Rd., which is also a designated snowmobile trail, runs through stand. Possible selection harvest in 20 years.
48	4130 - Aspen	Sapling Well	17.8	16	Immature	Fairly dense mixed aspen/hardwood regen from 2002 final harvest. Located on a fairly steep south facing slope. Prescribe final harvest in about 40 years.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
49	4110 - Sugar Maple Association	Sawtimber Well	19.7	90	81-110	Small stand of mixed northern hardwood, mostly sugar maple boltwood and sawtimber. E. Stutsmanville Rd. runs through center of the stand. North of the road is flat, south of the road is a significant north facing slope that would make harvesting difficult in places. Slightly lower BA presently (100 sq. ft.). Possibly treat this stand next YOE, especially if a nearby stand is treated also, to make it more commercially attractive to producers.
50	4112 - Maple, Beech, Cherry Association	Poletimber Well	332.1	90	81-110	Variable mixed northern hardwood, mostly poletimber, on rolling topography with some steep slopes. Lesser quality in places, areas of more densely stocked beech and red maple. Lower BA presently, about 105 sq. ft. Possible thinning, at least part of the stand, in 10 - 20 years.
51	4130 - Aspen	Sapling Well	17.6	16	Immature	Fairly dense mixed aspen/hardwood regen from 2002 final harvest. Stand is located on fairly steep south-facing slope. Final harvest in about 40 years.
52	4130 - Aspen	Sapling Well	19.3	27	Immature	Fairly dense mixed aspen/hardwood regen from 1991 final harvest. Located on south-facing slope. Final harvest in 20 - 30 years.
53	4130 - Aspen	Sapling Well	22.2	27	Immature	Mixed aspen/hardwood regen from 1991 final harvest. Located on fairly steep south-facing slope. Final harvest in 20 - 30 years.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	320 - Upland Shrub	1.8	No	UPLAND BRUSH AND ENCROACHING SAPLINGS WITHIN OLD BORROW PIT. A LARGE PILE OF TIRES AND OTHER TRASH EXISTS IN THIS STAND AND IS DOCUMENTED FOR CLEAN-UP.
13	310 - Herbaceous Openland	42.6	No	THIS STAND IS THE UTILITY RIGHT-OF-WAY THAT RUNS N-S THROUGH THE COMPARTMENT. MOSTLY GRASS, WITH SPARSE SCATTERED SHRUBS AND ENCROACHING ASPEN/HARDWOOD SEEDLINGS ENCROACHING ALONG THE EDGES. NUMEROUS STEEP HILLS.
14	122 - Road/Parking Lot	1.9	No	GRASS STAND ADJACENT TO ROBINSON RD., HAS RECYCLE CONTAINERS ON SITE.
19	330 - Low-Density Trees	25.4	No	Scattered sugar maple, red maple, black cherry, pin cherry saplings and small poletimber and upland brush.
22	6220 - Alder/willow	78.7	No	LOWLAND BRUSH, MOSTLY TAG ALDER, LOCATED WITHIN PLEASANTVIEW SWAMP. HEADWATER AREA OF WEST BR. MAPLE RIVER. NO LEGAL ACCESS. CONSIDER DISPOSAL.
31	330 - Low-Density Trees	2.8	No	SMALL GRASS OPENING ADJACENT TO N. CONWAY RD. ENCROACHING HARDWOOD SAPLINGS AND POLETIMBER PRESENT.
41	330 - Low-Density Trees	2.1	No	SMALL, SPARSE UPLAND BRUSH/HARDWOOD SAPLING STAND SURROUNDED ON 3 SIDES BY RED PINE PLANTATION.
46	320 - Upland Shrub	25.3	No	Stand consists of upland shrubs and encroaching hardwood/aspens saplings. Eastern portion of stand potential old homestead site.
54	320 - Upland Shrub	1.7	No	SMALL UPLAND BRUSH STAND WITH ENCROACHING HARDWOOD SAPS ADJACENT TO PRIVATE PROPERTY AND COUNTY ROAD.