



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54127

Entry Year 2023

Acreage: 1,132

County Presque Isle

Management Area: Hammond Bay Lake Plain

Revision Date: 2021-05-16

Stand Examiner: Ryan Zimmerman

Legal Description:

T36N R03E Sections 25 and 36

T36N R04E Section 30

Identified Planning Goals:

This compartment is dominated with aspen, oak and pine with some lowland species.

Soil and topography:

Gently rolling hill, but mostly flat to lowland areas.

Soils range from sand to loamy silt in the lowland drainage areas.

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

There are many private parcels that scatter throughout this compartment. Most of the private land is used has hunting camps. Fairly undeveloped.

Unique Natural Features:

N/A

Archeological, Historical, and Cultural Features:

N/A

Special Management Designations or Considerations:

N/A

Watershed and Fisheries Considerations:

There are many lowland stands that have drainages that run through them. There are also emergent wetland areas.

Wildlife Habitat Considerations:

Areas of oak should try to be perpetuated for mast producing. Aspen also is prevalent in the compartment .

Mineral Resource and Development Concerns and/or Restrictions

N/A

Vehicle Access:

There is fairly good vehicle access in the southern part of section 36 and the northern part of 25.

Survey Needs:

N/A

Recreational Facilities and Opportunities:

Snowmobile trail runs through the northern boundary as well as the southern part of section 36.

Fire Protection:

The easy to access areas are also the more fire prone areas with the pine and oak mix.

Additional Compartment Information:

The following reports from the Inventory are attached:

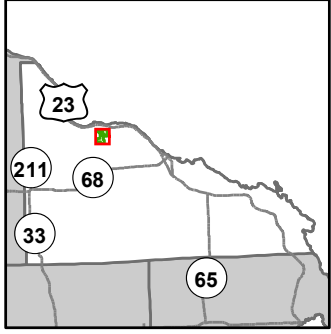
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

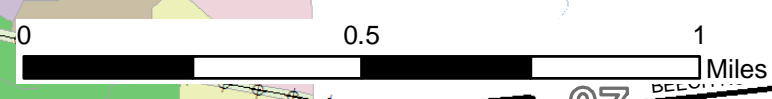
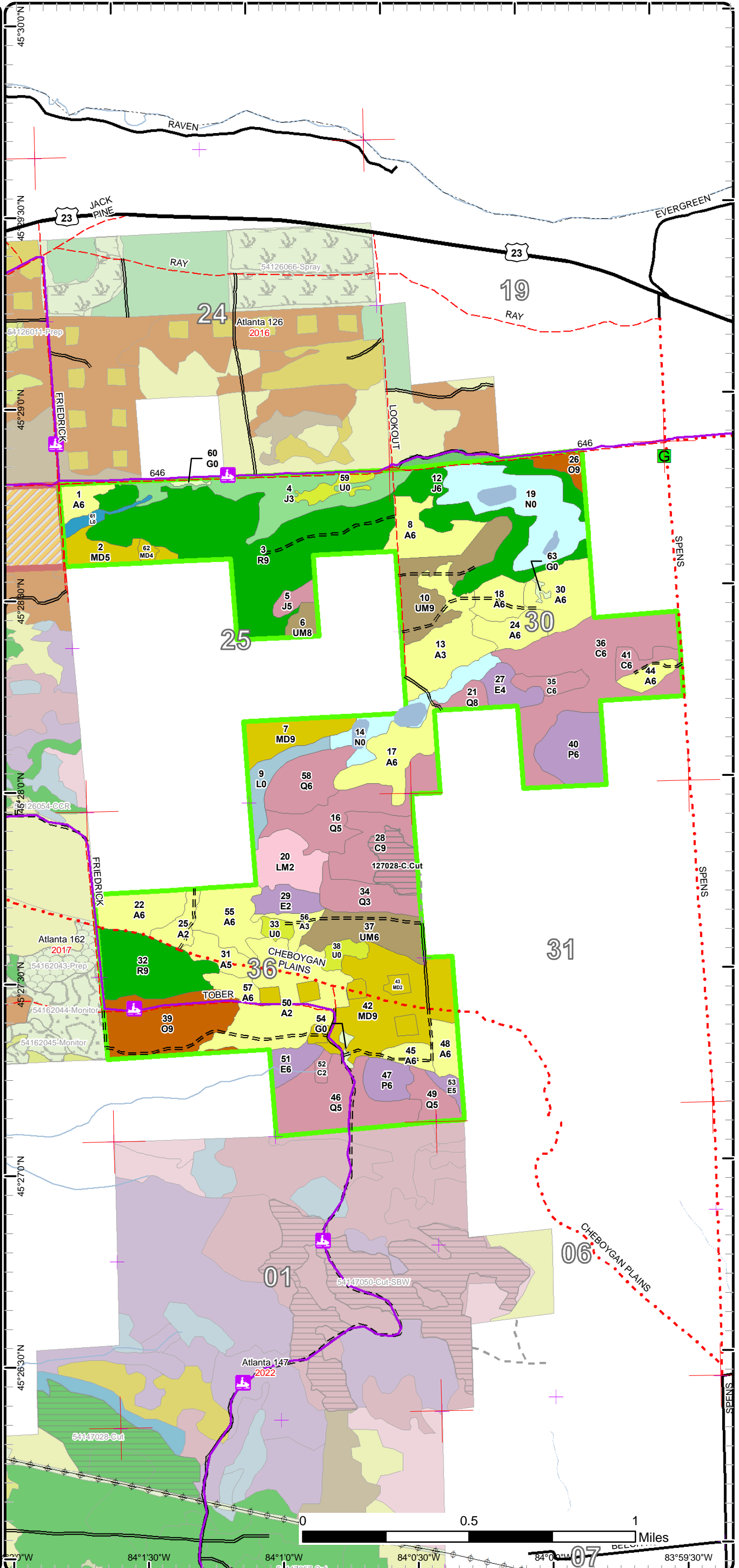
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 127
 T36N, R03E, Sec. 25, 36
 T36N, R04E, Sec. 30, 31
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Hammond Bay Lake Plain
 YOE: 2023
 Acres: 1132.3 GIS Calculated
 Examiner: Ryan Zimmerman
 Map Revised: 10/7/2021
 Map Phase: Post-Review



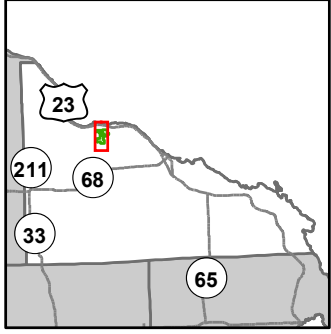
- Miris Corners
- ⊕ Remonumented Section Corners
- ▭ Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚙 Snowmobile Trails
- 🚙 Designated Snowmobile Trails
- 🌊 Lake/Pond
- 🌊 Perennial River
- 🌊 Lakes and Rivers
- G Gate
- ▭ Compartment Boundary
- ▭ Clearcut (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
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- 613 - Lowland Mixed Forest
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- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



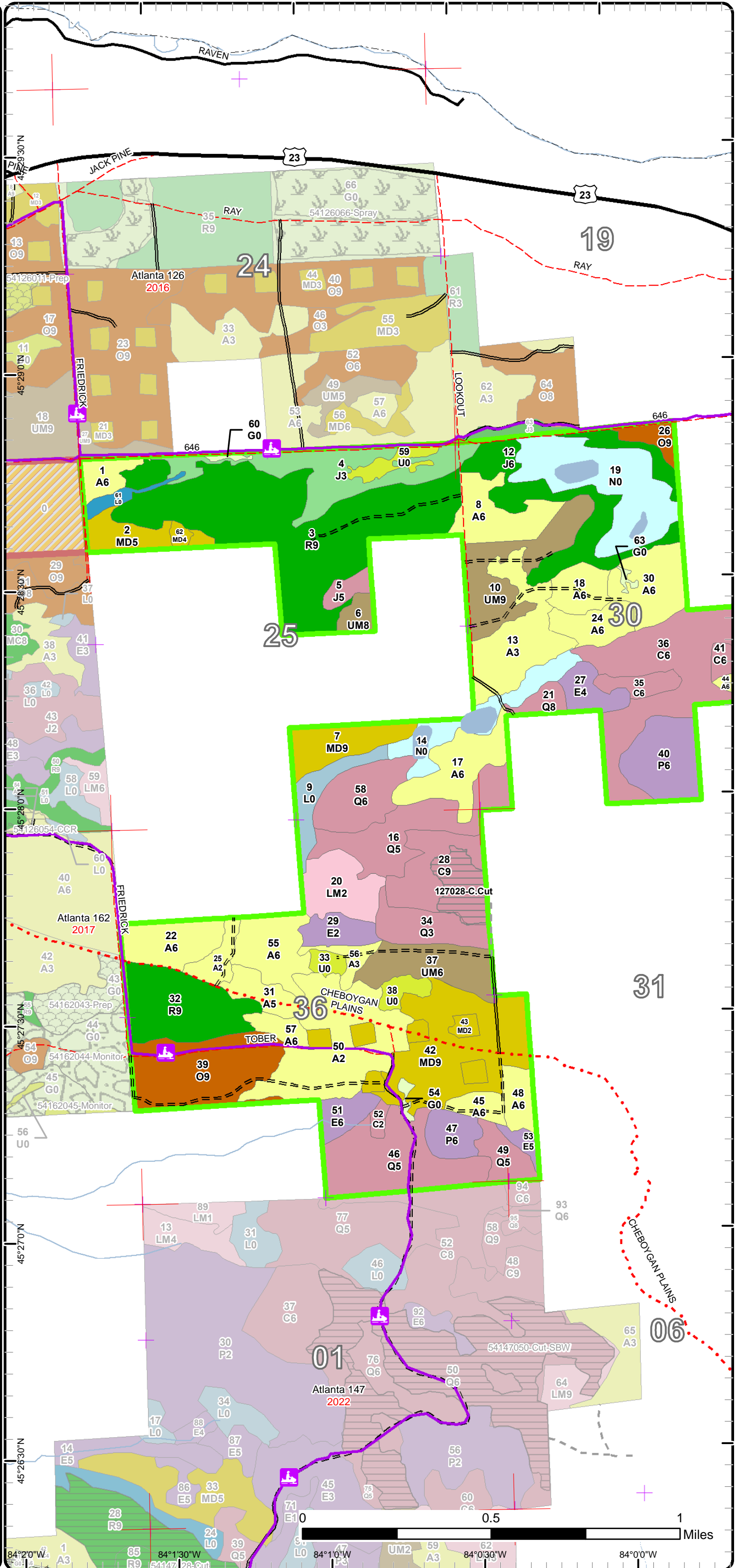
84°1'30"W 84°1'0"W 84°0'30"W 84°0'0"W 83°59'30"W

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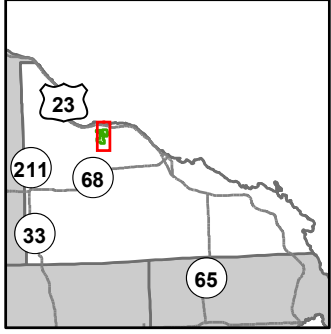


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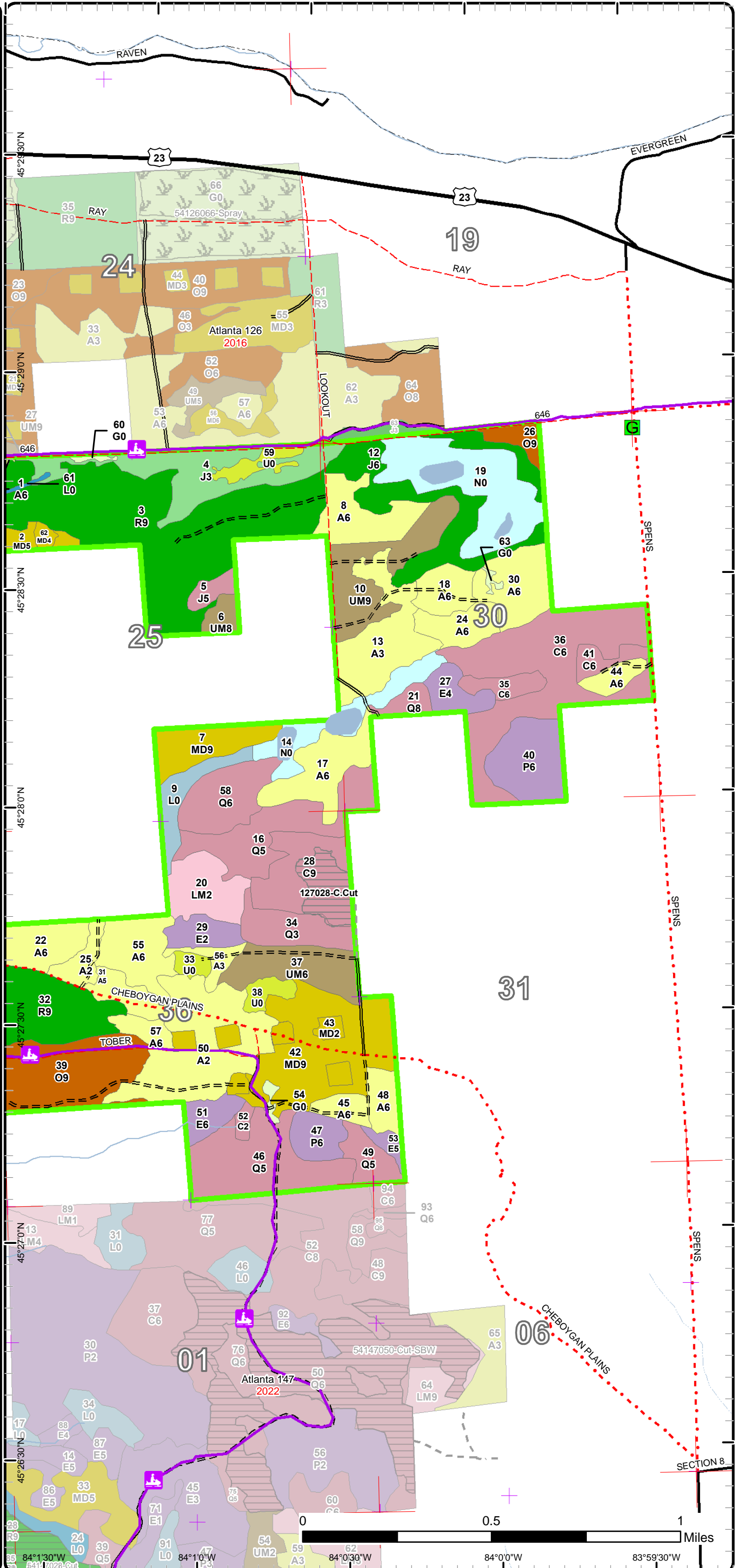


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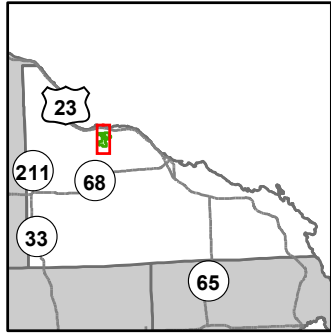


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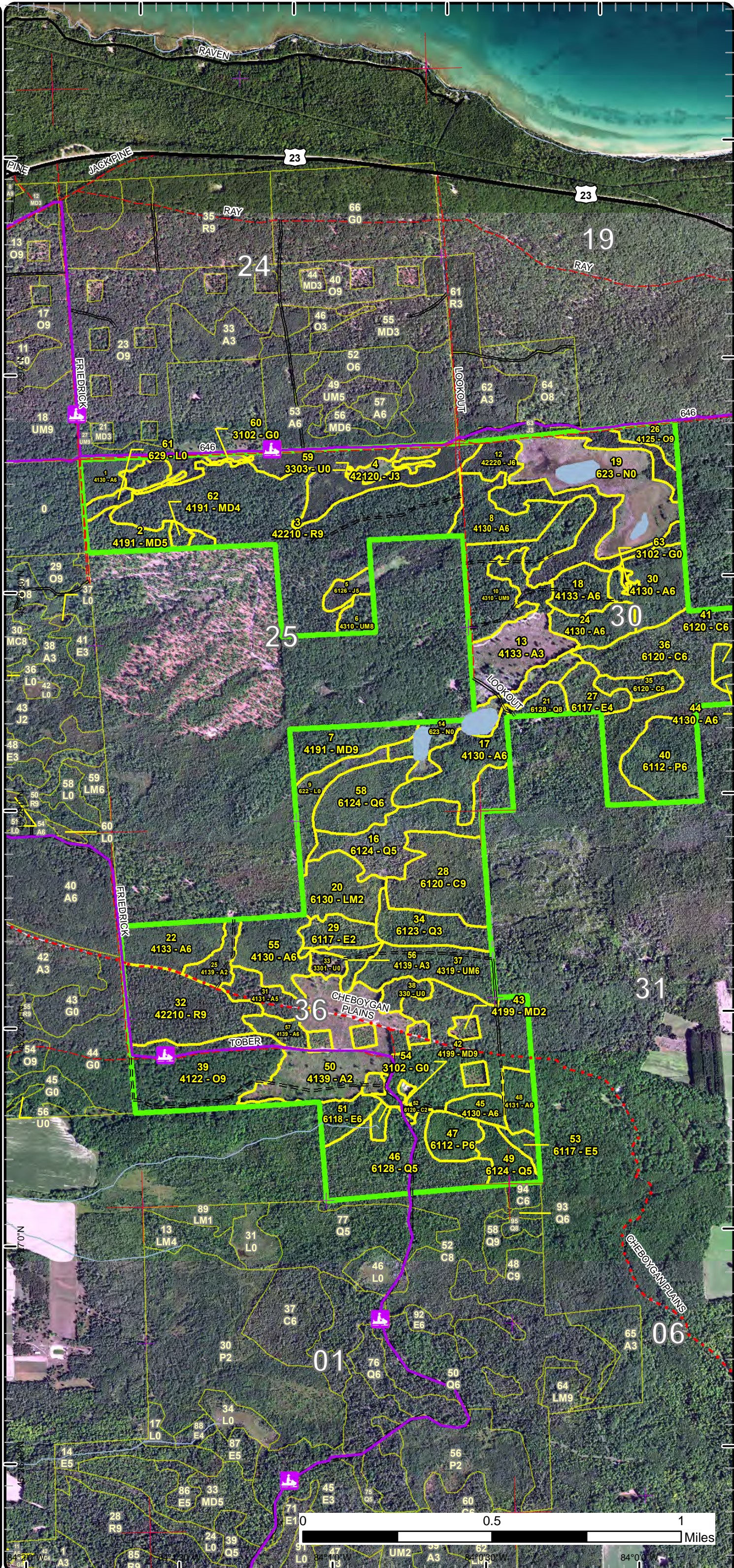


Stand Boundary Map

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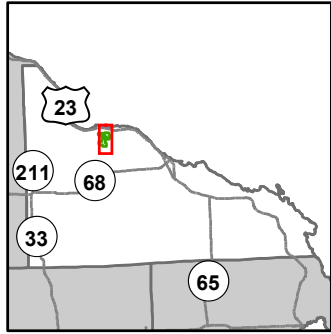


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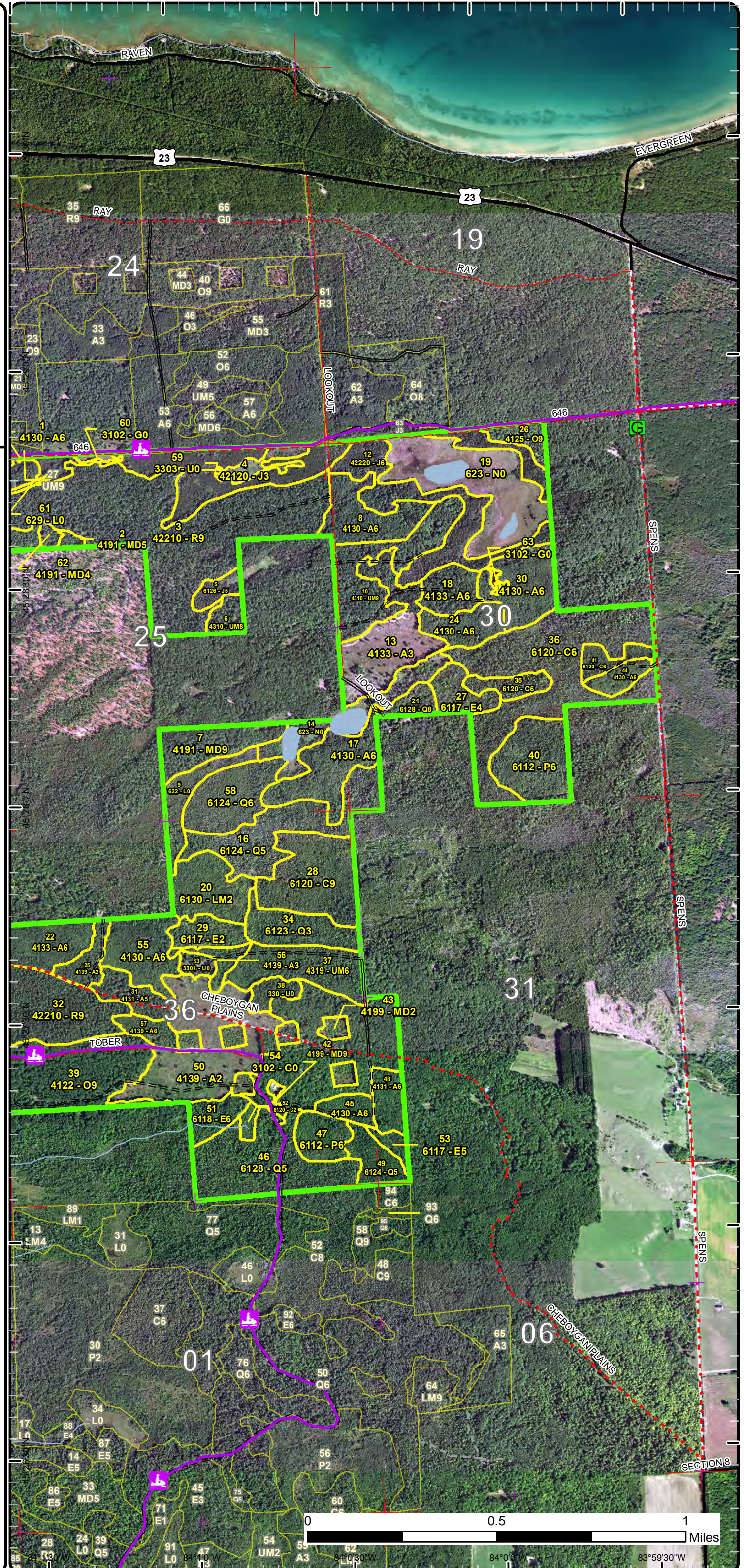


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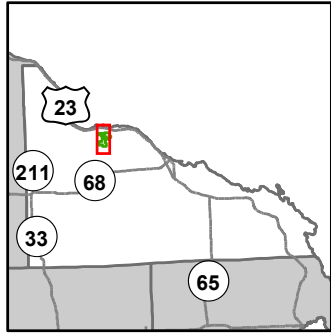
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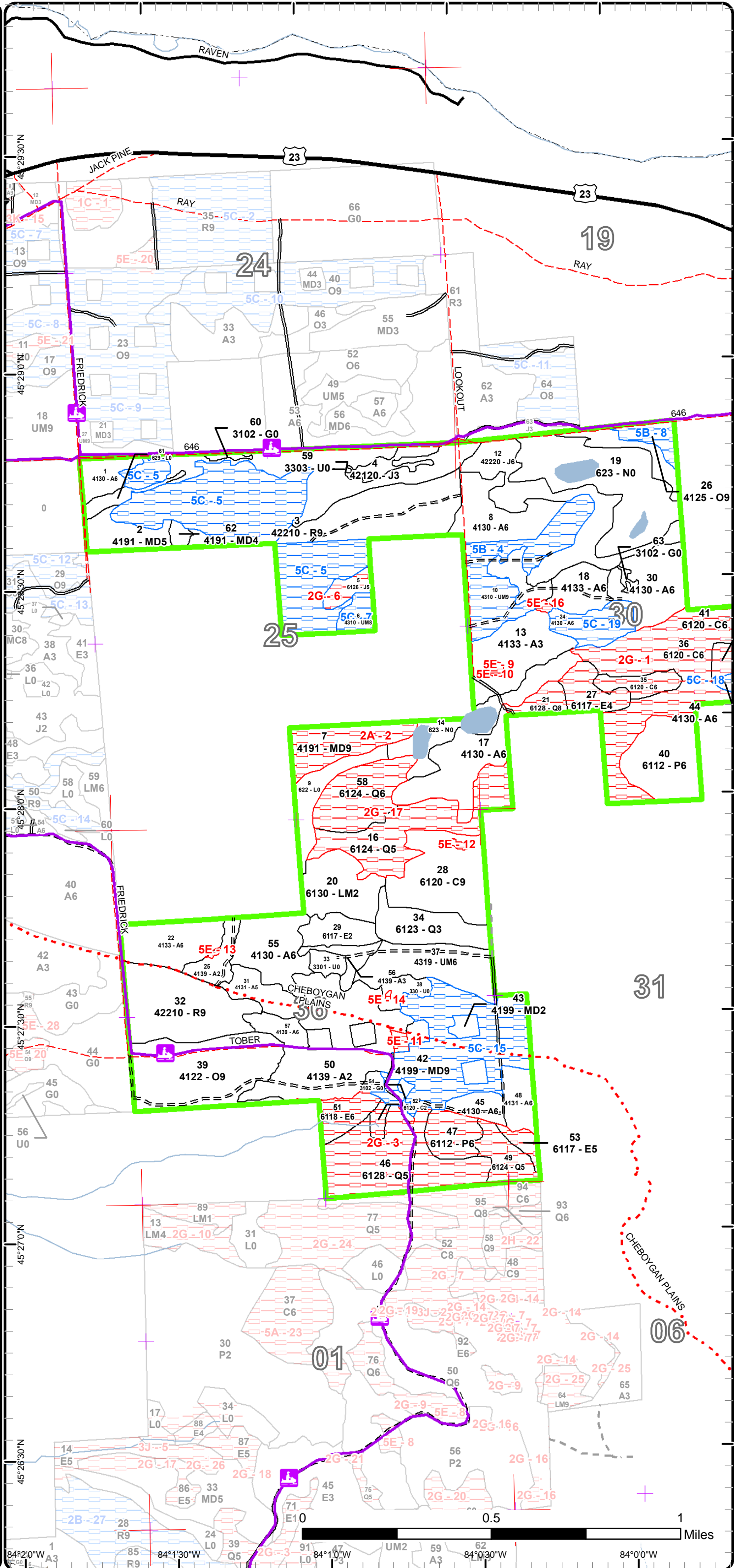
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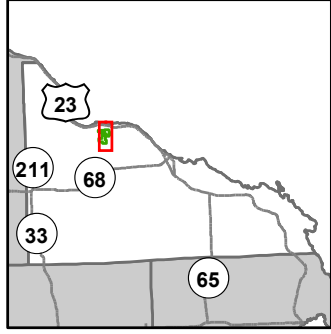


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- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams

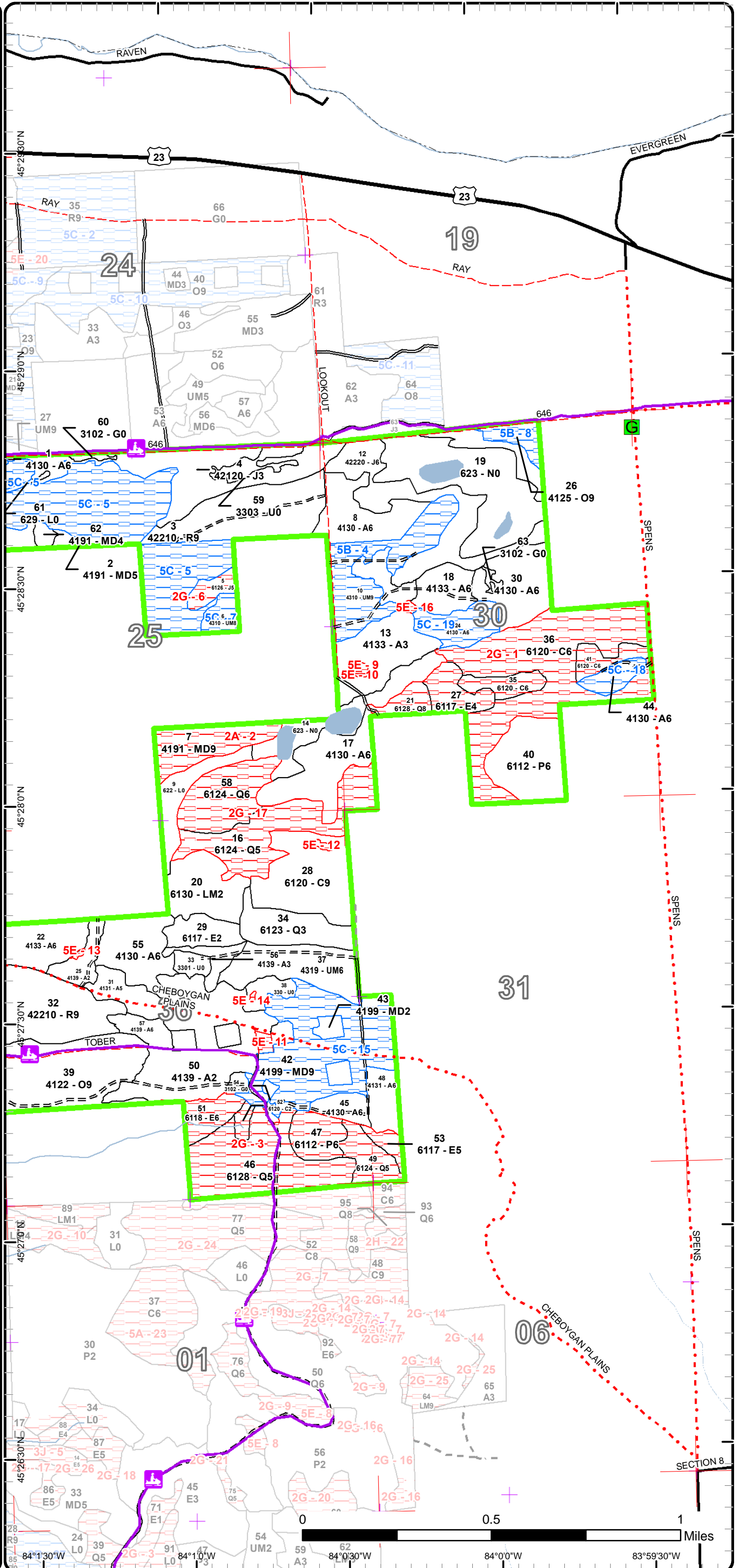


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Report 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Compartment 127 Year of Entry 2023

Ryan Zimmerman : Examiner



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	89	0	5	118	35	18	0	0	0	0	0	0	0	0	0	0	0	265
Cedar	0	0	0	0	2	6	0	0	0	0	76	32	0	0	0	0	0	0	116
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Jack Pine	0	0	0	36	0	46	0	0	0	0	0	0	0	0	0	0	0	0	81
Low-Density Trees	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Lowland Aspen/Balsam Poplar	0	0	0	0	24	10	0	0	0	0	0	0	0	0	0	0	0	0	34
Lowland Conifers	0	0	0	0	17	10	0	0	0	0	55	40	0	0	0	0	6	0	128
Lowland Deciduous	0	0	0	9	0	4	0	0	19	0	0	0	0	0	0	0	0	0	32
Lowland Mixed Forest	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Shrub	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Marsh	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
Mixed Upland Deciduous	0	0	13	15	0	0	0	0	0	53	18	0	0	0	0	0	0	0	98
Oak	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	50
Red Pine	0	0	0	0	0	0	0	0	0	150	0	0	0	0	0	0	0	0	150
Upland Mixed Forest	0	0	0	0	23	0	0	0	0	35	0	0	0	0	0	0	0	0	58
Total	101	89	13	85	184	111	18	0	19	0	364	105	40	0	0	0	6	0	1133



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 127

Year of Entry: 2023

Acres of Harvest

Total Compartment Acres: 1,132

Commercial Harvest - 125
 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
Cedar	14	0	0	0	0	0	0	0	0	14
Oak	43	0	0	0	0	0	0	0	0	43
Red Pine	69	0	0	0	0	0	0	0	0	69
Total	125	0	0	0	0	0	0	0	0	125

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	125	0	0	0	0	0	0	0	0	125
Next Step	0	180	90	0	0	90	259	0	0	619
Total	125	180	90	0	0	90	259	0	0	744



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

3	54127003-Cut	33.7	42210 - Natural Red Pine	Sawtimber Well	93	111- 140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription 6 inch stump spec
Specs: Bark Beetle spec
 Snowmobile trail spec for hauling across the trail.
 Optional chipping spec

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Fully stocked planted red pine
Regen:

Other Corners are in place.
Comment:

Site Condition
Proposed Start Date: 10/1 /2022

32	54127032-Cut	35.0	42210 - Natural Red Pine	Sawtimber Well	91	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription 6 inch stump spec
Specs: Bark Beetle spec
 Snowmobile trail spec
 Optional chipping spec.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Fully stocked planted red pine
Regen:

Other
Comment:

Site Condition
Proposed Start Date: 10/1 /2022

39	54127039-Cut	21.3	4122 - Oak, Pine	Sawtimber Well	95	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription 6 inch stump spec
Specs: 2 inch diameter spec
 snowmobile protection spec
 Move all slash to east half of stand 39
 Oak wilt spec
 No chipping

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr);
Treatments: Monitoring, Artificial Regen(3yr)

Acceptable Fully stocked red pine
Regen:

Other Would prefer to use garlon instead of oust for chem to increase likelihood of oak to come back mixed in with the pine.
Comment:

Site Condition
Proposed Start Date: 10/1 /2022

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
39 54127039-Cutx	21.8	4122 - Oak, Pine	Sawtimber Well	95	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> 6 inch stump spec. <u>Specs:</u> snowmobile trail protection spec oak wilt spec place slash and tops over oak stumps as much as possible from this treatment as well as the treatment on the west side of the stand. Use edge retention. No chipping</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Moderate to well stocking of any mix of aspen, oak, pine or red maple.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Approved Treatments:

28 127028-C.Cut	13.5	6120 - Lowland Cedar	Sawtimber Well	104	51-80	Harvest	Clearcut with Retention	6120 - Lowland Cedar	Even-Aged	No
<p><u>Prescription</u> Clear cut: Leave 3-5 cedar per acre for seed source. Cutting east 1/2 of stand. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regen is any mixture of cedar, mixed conifers and aspen. Cedar Regen may take up to 5 yrs or more to establish but adjacent stands have a large amount of cedar regen present.</p> <p><u>Other Comment:</u> Acceptable regen is any mixture of cedar, mixed conifers and aspen. Cedar Regen may take up to 5 yrs or more to establish but adjacent stands have a large amount of cedar regen present. Old next step comments: Monitor success of cedar regen, and look at future cuts in area next entry.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>										

Total Treatment 125.3
Acres Proposed:

Report 4 – Site Conditions

Atlanta Mgt. Unit
Ryan Zimmerman : Examiner

Compartment: 127
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions						
		With Condition			5B	5C	2A	2G	5E		
265	243	18		3	Aspen		18				3
117	31	0		85	Cedar				85		1
4	4	0		0	Herbaceous Openland						
82	77	0		5	Jack Pine				5		
15	15	0		0	Low-Density Trees						0
35	24	0		10	Lowland Aspen/Balsam Poplar				10		
128	17	0		111	Lowland Conifers				111		
31	9	0		22	Lowland Deciduous				22		
20	20	0		0	Lowland Mixed Forest						
16	16	0		0	Lowland Shrub						
66	66	0		0	Marsh						
98	28	52		18	Mixed Upland Deciduous		52	18			0
50	43	7		0	Oak	7					
150	69	81		0	Red Pine		81				
58	23	35		0	Upland Mixed Forest	30	5				0
1,132	684	193		255	Total Forested Acres	36	157	18	233		4
	60%	17%		23%	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)	98	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2A: Adjacent landowner denied access	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit

Ryan Zimmerman : Examiner

Compartment: 127

Year of Entry: 2023

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	75	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5B: Maintain for regeneration purposes	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wait until understory is more established.							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	81	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5B: Maintain for regeneration purposes	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Ryan Zimmerman : Examiner

Compartment: 127
Year of Entry: 2023

9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This retention was from Sale No. 54-037-15-01.							
13	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention from Sale No. 54-036-15-01							
14	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention from Stand 38 of Sale No. 54-036-15-01							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	53	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit

Ryan Zimmerman : Examiner

Compartment: 127

Year of Entry: 2023

16	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention from Stand 11, Sale No. 54-036-15-01.							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	56	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Should have another 10 years to grow.							

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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
1	4130 - Aspen	Poletimber Well	8.3	37	51-80	N/A	Has a couple wet(ish) spots.																																									
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2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	12.7	28	1-50	N/A	Just starting to convert into pole size trees. West half is lower stocking than east half.																																									
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3	42210 - Natural Red Pine	Sawtimber Well	114.6	93	111-140	N/A	stand was thinned in 2007. Eastern 1/3 has very high red maple understory. The southern area has decent red and white pine regen. Western 1/3 has some heavier red maple and aspen understory.																																									
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4	42120 - Planted Jack Pine	Sapling Well	36.4	27	1-50	N/A	It is about to be pole sized trees. Some are pole sized.																																									
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5	6126 - Lowland Jack Pine	Poletimber Medium	4.9	45	1-50	N/A	Stand swapped from Non-Forested to Forested. Stand is mix of ages. Old marsh filling in.																																									
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6	4310 - Pine, Oak Mix	Sawtimber Medium	5.4	98	81-110	N/A	New stand added. Stand was thinned in 2007.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	18.0	108	81-110	N/A	Tag alder on southern and eastern part of stand where it transitions to lowland.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	50	Log	13	108	Red Maple	Low	Variable	Sapling
Bigtooth Aspen	20	Log/Pole	10		Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	10	Log/Pole	10		White Pine	Low	Variable	Sapling
Red Pine	10	Log	14					
White Pine	10	Log	14					

8	4130 - Aspen	Poletimber Well	20.1	46	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	5		White Pine	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	7	Pole	6		Red Maple	Low	Variable	Sapling
Bigtooth Aspen	75	Pole	6	46				
White Pine	5	Log/Pole	10					
Red Pine	3	Log/Pole	11					

9	622 - Lowland Shrub	Nonstocked	12.1		Unspecified	No	Mostly tag alder
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10	4310 - Pine, Oak Mix	Sawtimber Well	29.5	90	111-140	N/A	stand was thinned in 1993. Now it is a mix of mature oak and pine with young aspen and pine.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	30	Log	12	90	Red Maple	Low	>20 feet	Sapling
Bigtooth Aspen	15	Log/Pole	10		Bigtooth Aspen	Medium	>20 feet	Sapling
Red Pine	30	Log	12		White Pine	Low	Variable	Sapling
White Pine	20	Log	12		Red Pine	Low	Variable	Sapling
Red Maple	5	Pole/Log	9		Black/Red (Hybrid) Oak	Low	Variable	Sapling

12	42220 - Natural Jack Pine	Poletimber Well	40.5	42	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Pole	4		Balsam Fir	Low	Variable	Sapling
White Pine	10	Pole/Log	6		Bigtooth Aspen	Low	Variable	Sapling
Red Pine	5	Pole	6		Red Maple	Low	Variable	Sapling
Jack Pine	80	Pole/Sapling	5	42	Jack Pine	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
13	4133 - Aspen, Mixed Pine	Sapling Well	31.9	6	Immature	N/A	Clearcut in 2015.																																																						
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14	623 - Emergent Wetland	Nonstocked	20.7		Unspecified	No	Middle of stand and southern part have more water than the rest of the stand.																																																						
16	6124 - Lowland Spruce-Fir	Poletimber Medium	33.4	102	1-50	N/A	Very wet, low quality and lower density.																																																						
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Black/Red (Hybrid) Oak	5	Pole	6																																																										
18	4133 - Aspen, Mixed Pine	Poletimber Well	11.1	38	1-50	N/A	Just converting into pole size.																																																						
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19	623 - Emergent Wetland	Nonstocked	45.0		Unspecified	No	Most of the stand is covered in water.																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
20	6130 - Fir, Aspen, Maple	Sapling Medium	19.6	25	Immature	N/A	This had a lot of old ruts still very visible in the stand. It is slow growing and low stocking.																																																																
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21	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	5.5	153	51-80	N/A	Old growth white pine in stand. East side of stand has smaller trees than west 2/3. Transitions from upland(ish) to lowland.																																																																
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22	4133 - Aspen, Mixed Pine	Poletimber Well	18.7	34	1-50	N/A	This stand is dominated by aspen and has scattered mixed pine.																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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25 4139 - Aspen, Mixed Deciduous Sapling Medium 7.5 4 Immature N/A Harvested 12/2016

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Sapling	1	4
Red Oak	10	Sapling	1	
Bigtooth Aspen	45	Sapling	1	4
White Pine	4	Sapling	1	
Red Pine	1	Sapling	1	

26 4125 - Black, N. Pin Oak Sawtimber Well 6.5 92 81-110 N/A Stand was thinned in 2008.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	90	Log	13	92	Red Maple	Low	Variable	Sapling
Red Pine	5	Log	11		Bigtooth Aspen	Low	Variable	Sapling
White Pine	5	Log	12		White Pine	Low	Variable	Sapling
					Red Pine	Low	Variable	Sapling
					Black/Red (Hybrid) Oak	Low	Variable	Sapling

27 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Poor 9.6 70 1-50 N/A Forgot to get an age.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	50	Pole	5	70	Tag Alder	High	5 - 10 feet	Tall Shrub
Quaking Aspen	10	Pole	6					
Balsam Fir	10	Sapling/Pole	4					
Paper Birch	5	Pole	6					
Northern White Cedar	10	Pole	6					
Black Spruce	10	Pole/Sapling	5					
Balsam Poplar	5	Pole/Sapling	5					

28 6120 - Lowland Cedar Sawtimber Well 31.9 104 51-80 N/A Currently being harvested. Update after harvest. The area of the stand that was not harvested is too wet.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	5	Pole	7	
Northern White Cedar	93	Pole/Log	8	104
White Pine	2	Log	14	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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29 6117 - Lowland Deciduous, Mixed Coniferous Sapling Medium 9.3 25 Immature N/A Transition from upland to lowland stand. Standing water in many spots throughout.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling	3		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen	30	Sapling	4	25				
Balsam Fir	15	Sapling	4					
Black Spruce	10	Sapling	3					
Paper Birch	20	Sapling	3					
White Pine	3	Sapling	3					
Red Pine	3	Sapling	4					
Tamarack	4	Sapling	3					

30 4130 - Aspen Poletimber Well 20.6 35 1-50 N/A Scattered mature oak. Just converting into pole size.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	5		Red Maple	Low	Variable	Sapling
Black/Red (Hybrid) Oak	10	Pole	5		Jack Pine	Low	Variable	Sapling
Bigtooth Aspen	75	Pole	5	35				
Red Pine	5	Pole	5					

31 4131 - Aspen, Oak Poletimber Medium 10.0 34 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	20	Pole	5		Red Maple	Medium	Variable	Sapling
Bigtooth Aspen	50	Pole	5	34	Red Oak	Low	Variable	Sapling
White Pine	5	Pole	5		White Pine	Low	Variable	Sapling
Red Pine	5	Pole	5		Red Pine	Low	Variable	Sapling
Red Maple	20	Pole	5					

32 42210 - Natural Red Pine Sawtimber Well 35.0 91 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	3	Pole	6		Red Maple	High	10 - 20 feet	Sapling
Red Pine	91	Log/Pole	12	91	Red Oak	Low	10 - 20 feet	Sapling
Red Oak	6	Pole/Sap/Log	6		White Pine	Low	5 - 10 feet	Sapling

This stand was crown thinned as part of Sale Name: CP's Red Pine and Oak Spread; Sale No.: 54-036-15-01. The sale completion date was 3/15/17. The residual cruise BA was 84 (76 BA red pine, 5 BA red oak, 3 BA white pine)

33 3301 - Low Density Deciduous Trees Nonstocked 3.5 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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34 6123 - Lowland Fir Sapling Well 16.6 38 1-50 N/A Stream that is running through the stand from east to west.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling/Pole	4	
Paper Birch	2	Sapling	4	
Quaking Aspen	10	Sapling/Pole	4	
Balsam Poplar	4	Sapling/Pole	4	
Balsam Fir	60	Sapling/Pole	3	38
Black Spruce	2	Sapling	3	
Northern White Cedar	10	Sapling	3	
White Pine	2	Sapling/Pole	5	

35 6120 - Lowland Cedar Poletimber Well 6.9 98 51-80 N/A Forgot to get an age on this stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Pole	7		Balsam Fir	Medium	Variable	Sapling
Black Spruce	5	Pole	7		Northern White Cedar	Medium	Variable	Sapling
Northern White Cedar	78	Pole	8	98				
White Pine	2	Log/XLog	14					

36 6120 - Lowland Cedar Poletimber Well 69.4 98 51-80 N/A Spots with some cedar regen. Openings from trees that have fallen out have balsam fir regen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	6		Balsam Fir	Medium	Variable	Sapling
Black Spruce	10	Pole	7		Northern White Cedar	Medium	Variable	Sapling
Northern White Cedar	60	Pole	6	98	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Tamarack	25	Pole	7		Red Maple	Low	Variable	Sapling

37 4319 - Mixed Upland Forest Poletimber Well 23.1 38 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	6		Red Maple	Medium	Variable	Sapling
Red Oak	10	Pole	5		Balsam Fir	Low	Variable	Sapling
Bigtooth Aspen	20	Pole	5	38	White Pine	Low	Variable	Sapling
Balsam Fir	5	Pole	5		Red Pine	Low	Variable	Sapling
White Pine	20	Pole	5					
Red Pine	20	Pole	5					
Jack Pine	5	Pole	5					
Black Spruce	4	Pole	5					
Paper Birch	1	Pole	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
38	330 - Low-Density Trees	Nonstocked	5.2	0	Unspecified	42260 - Natural Pine, Mixed Deciduous	This stand was harvested as part of Sale Name: CP's Red Pine and Oak Spread; Sale No.: 54-036-15-01. The sale completion date was 3/15/17. A seed tree was completed with 19 BA of residual red pine and oak. Acceptable regen is any mix of pine, oak and aspen. Residual seed trees will be left indefinitely. This is not quite stocked enough to be considered a forested stand. But there are saplings less than 5 feet tall that is moderately stocked. Mostly aspen and red maple regen.																																																				
39	4122 - Oak, Pine	Sawtimber Well	43.1	95	81-110	N/A	stand was thinned in 2008																																																				
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40	6112 - Lowland Aspen	Poletimber Well	24.3	35	1-50	N/A																																																					
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41	6120 - Lowland Cedar	Poletimber Well	6.2	47	1-50	N/A	Forgot to get an age.																																																				
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42	4199 - Other Mixed Upland Deciduous	Sawtimber Well	52.5	96	81-110	N/A	More aspen in the north and east.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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43 4199 - Other Mixed Upland Deciduous Sapling Medium 13.2 13 Immature N/A 5 spot cut done in 2008. Each spot has some variability.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Sapling	3	13
Red Oak	30	Sapling	3	13
Bigtooth Aspen	28	Sapling	3	
White Pine	2	Sapling	3	

44 4130 - Aspen Poletimber Well 6.1 52 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole	6		Balsam Fir	Low	5 - 10 feet	Sapling
Bigtooth Aspen	90	Pole	7	52	Red Maple	Low	Variable	Sapling
Balsam Fir	2	Pole	5		White Pine	Low	Variable	Sapling
White Pine	3	Pole	7					

45 4130 - Aspen Poletimber Well 6.1 43 1-50 N/A Slightly smaller trees than stand 48.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	5	
Bigtooth Aspen	85	Pole	5	43
Balsam Fir	3	Sapling	4	
Black/Red (Hybrid) Oak	5	Pole/Sapling	5	
White Pine	2	Pole	7	

46 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 40.4 112 51-80 N/A Aspen is dying out. Very wet and low quality trees that are still alive.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	8		Balsam Fir	Medium	Variable	Sapling
Paper Birch	5	Pole	8		Northern White Cedar	Low	Variable	Sapling
Quaking Aspen	15	Log	12		Red Maple	Medium	Variable	Sapling
Balsam Poplar	2	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	13	Pole	6		Paper Birch	Trace	Variable	Sapling
Black Spruce	5	Pole	6		Black Spruce	Low	Variable	Sapling
Northern White Cedar	45	Pole	8	112				

47 6112 - Lowland Aspen Poletimber Well 10.4 45 1-50 N/A Hardly pole size trees. Very wet low quality. Still has ruts visable.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	60	Pole/Sapling	5	45	Balsam Fir	Full	Variable	Sapling
Balsam Fir	5	Pole/Sapling	5					
Northern White Cedar	5	Pole/Sapling	5					
Paper Birch	10	Pole/Sapling	5					
Black Spruce	10	Sapling/Pole	4					
Red Maple	10	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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48	4131 - Aspen, Oak	Poletimber Well	8.6	44	51-80	N/A	Just converting into pole size trees.
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	20	Log	10	
Bigtooth Aspen	70	Pole	6	44
White Pine	2	Pole	6	
Balsam Fir	3	Pole	5	
Red Maple	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Red Maple	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	Low	Variable	Sapling

49	6124 - Lowland Spruce-Fir	Poletimber Medium	10.0	45	1-50	N/A	Ruts still present. Very wet low quality.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	15	Pole/Sapling	5	
Balsam Fir	20	Pole/Sapling	5	
Black Spruce	30	Sapling/Pole	4	
Northern White Cedar	30	Pole/Sapling	5	45
Red Maple	5	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	Tall Shrub

50	4139 - Aspen, Mixed Deciduous	Sapling Medium	49.2	6	Immature	N/A	Cut in 2015
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	50	Sapling	1	6
Red Maple	35	Sapling	1	
Black/Red (Hybrid) Oak	13	Sapling	1	
White Pine	1	Sapling	1	
Red Pine	1	Sapling	1	

51	6118 - Lowland Deciduous with Cedar	Poletimber Well	8.6	71	51-80	N/A	wet, stand has two small strip cuts. both have good amount of cedar regen.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Pole/Log	9	71
Paper Birch	5	Pole	8	
Quaking Aspen	25	Pole	9	
Balsam Fir	10	Pole	6	
Black Spruce	5	Pole	6	
Northern White Cedar	20	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
Northern White Cedar	Low	Variable	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub

52	6120 - Lowland Cedar	Sapling Medium	2.3	39	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	3	
Paper Birch	10	Sapling	3	
Balsam Poplar	10	Sapling	3	
Balsam Fir	10	Sapling	3	
Black Spruce	10	Sapling	3	
Northern White Cedar	50	Sapling	3	39

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
53	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	3.5	45	1-50	N/A	Tag alder pocket in the middle of the stand.																																																									
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54	3102 - Grass	Nonstocked	1.6	0	Unspecified	No	Old landing location and now used as camp site during rifle hunting season.																																																									
55	4130 - Aspen	Poletimber Well	20.0	34	1-50	N/A																																																										
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58 6124 - Lowland Spruce-Fir Poletimber Well 22.0 102 51-80 N/A Very wet low quality.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	30	Pole	8		Balsam Fir	Medium	Variable	Sapling
Black Spruce	20	Pole	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	30	Pole	8	102	Red Maple	Medium	Variable	Sapling
Tamarack	20	Pole	7		Northern White Cedar	Low	Variable	Sapling

59 3303 - Mixed Low Density Trees Nonstocked 6.0 0 Unspecified No Wet area, but starting to fill in with some trees.

60 3102 - Grass Nonstocked 1.3 0 Unspecified No Starting to fill in with natural regen. Pretty wet.

61 629 - Mixed non-forested wetland Nonstocked 4.1 0 Unspecified No Flooding area that has sparse tree growth.

62 4191 - Mixed Upland Deciduous with Conifer Poletimber Poor 1.9 28 1-50 N/A Low density pocket. Kind of wet.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Pole/Sapling	5	28
Red Oak	10	Sapling/Pole	4	
Bigtooth Aspen	20	Pole/Sapling	5	
White Pine	20	Pole/Sapling	5	
Red Pine	15	Sapling/Pole	4	

63 3102 - Grass Nonstocked 0.9 0 Unspecified No Old landing location