



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52029

Entry Year 2018

Acreage: 2,379

County Otsego

Management Area: Grayling Outwash

Revision Date: 2016-05-16

Stand Examiner: Zach Crew

Legal Description:

T30N R4W Section 2, 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:

The compartment is very flat with little change in topography. Dominant soil types are very well drained to excessively drained loamy sands and sand series. The southeast of the compartment is dominated by excessively drained Rubicon Sands. The south west by very well drained Blue Lake Sands, and the north of the compartment by somewhat excessively drained island lake sands.

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

State ownership is fairly contiguous throughout the compartment, there are only 3 isolated parcels within the area. Most of the surrounding private property has been developed for year round residences in 5 to 40 acre parcels. The area has been heavily developed for oil and gas, with wells and pipelines common throughout the compartment and surrounding private property.

Unique Natural Features:

None known

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

None known

Watershed and Fisheries Considerations:

None

Wildlife Habitat Considerations:

This compartment has a broad mix of cover types with a good distribution of aspen age classes which supports good populations of deer, turkey, and ruffed grouse. It gets moderate to heavy hunting pressure due to its proximity to Gaylord. Conifer treatments in this compartment will be supplemented with hard and soft mast plantings to benefit grouse, turkey and deer.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 1,000 feet. The Mississippian Coldwater and Sunbury shales and Devonian Berea Sandstone and Bedford Shale (Ellsworth Shale) and Antrim Shale subcrop below the glacial drift. The bedrock is too deeply buried to be of economic value. There are no apparent sand and gravel operations in the area, but there may be potential within the compartment. Most of the compartment appears to be developed for Antrim Shale gas production. All state mineral rights in the area are leased and held by production in unitized areas.

Vehicle Access:

Access throughout the compartment is readily available with the county roads in the area, as well as seasonal county roads and pipeline roads.

Survey Needs:

Some survey assistance may be required as many treatments in this compartment bound against private property.

Recreational Facilities and Opportunities:

This compartment contains Pine Baron Pathway which has several miles of cross country ski trail. There is also a segment of snowmobile trail on the east end of Sections 12 and 13.

Fire Protection:

This compartment falls under the protection area of the Gaylord Field Office. There is some potential for large scale or complex wildfire issues in this compartment with the large number of red pine stands.

Additional Compartment Information:

The following reports from the Inventory are attached:

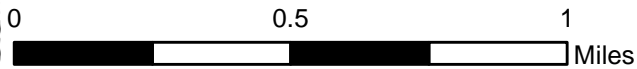
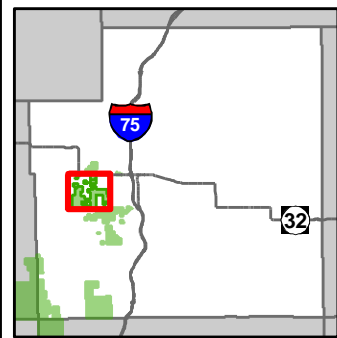
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

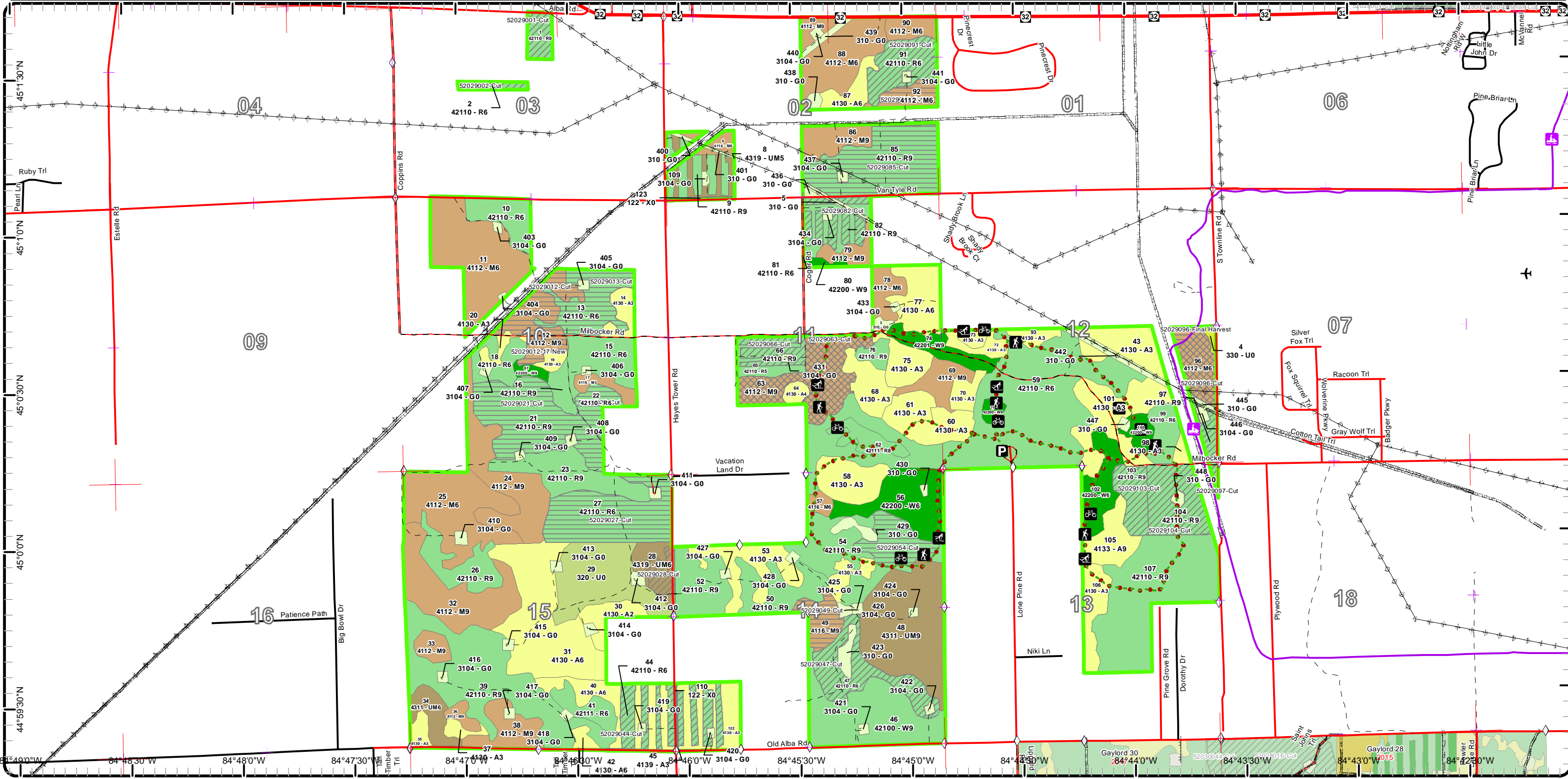
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 29
 T30N,R04W, Sec. 2-3, 10-15
 County: Otsego
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 Mgmt Area: Grayling Outwash
 YOE: 2018
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 Examiner: Zach Crew
 Map Revised: 8/26/2016
 Map Phase: Post-Review

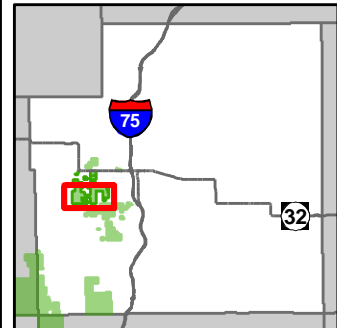
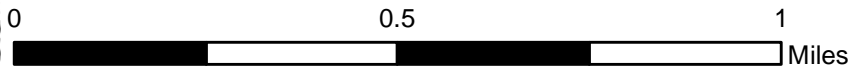


- Miris Corners
- + Remonumented Section Corners
- Field Grade GPS Corners
- P Parking Lot
- * Trailhead
- 🚲 Bike Trails
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- Pipeline
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- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees

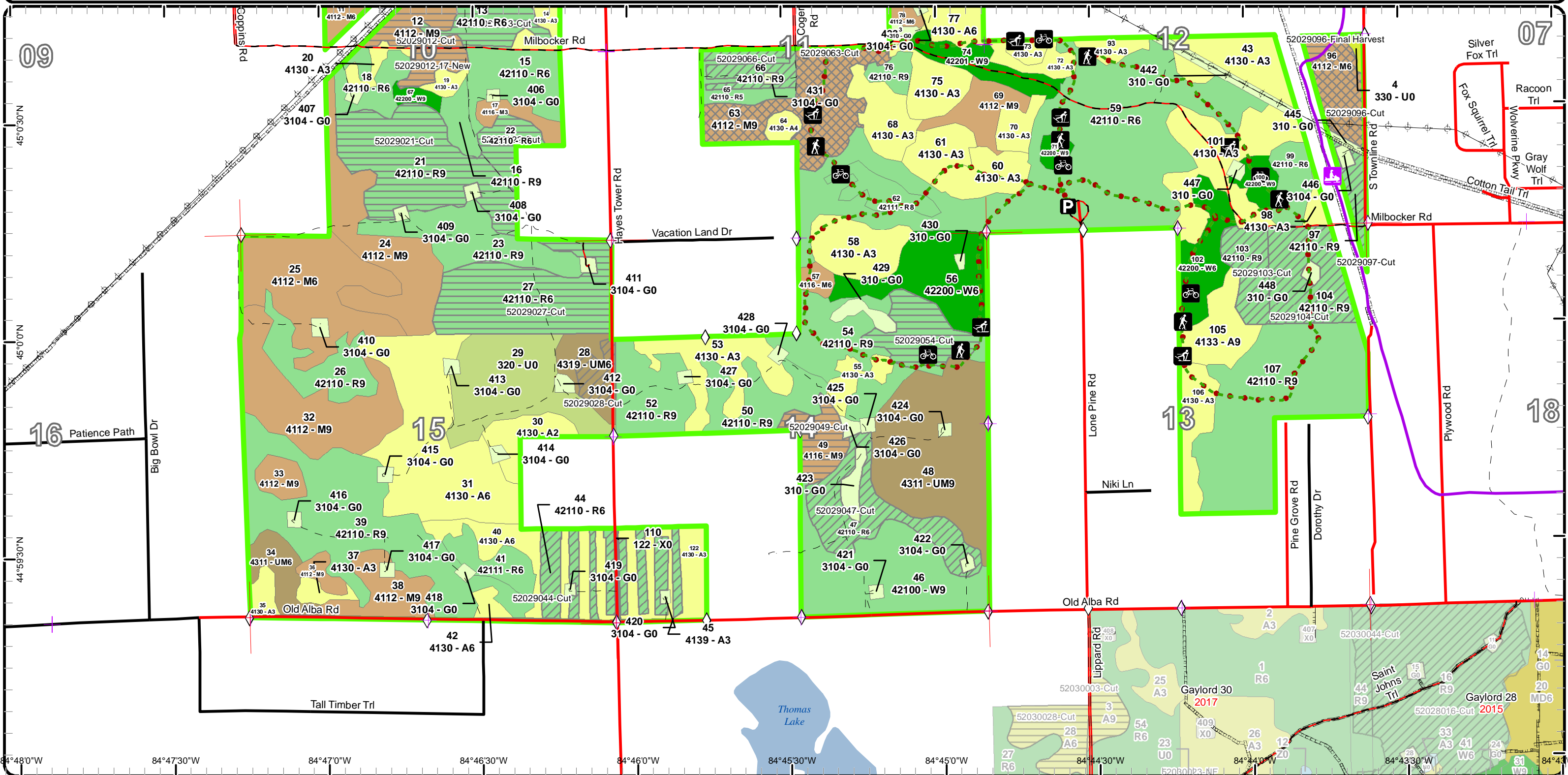


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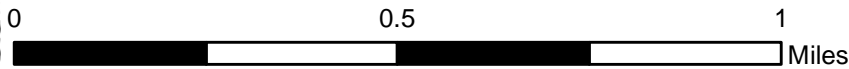
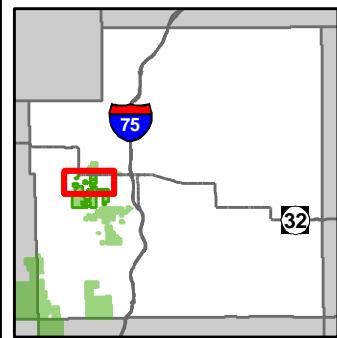


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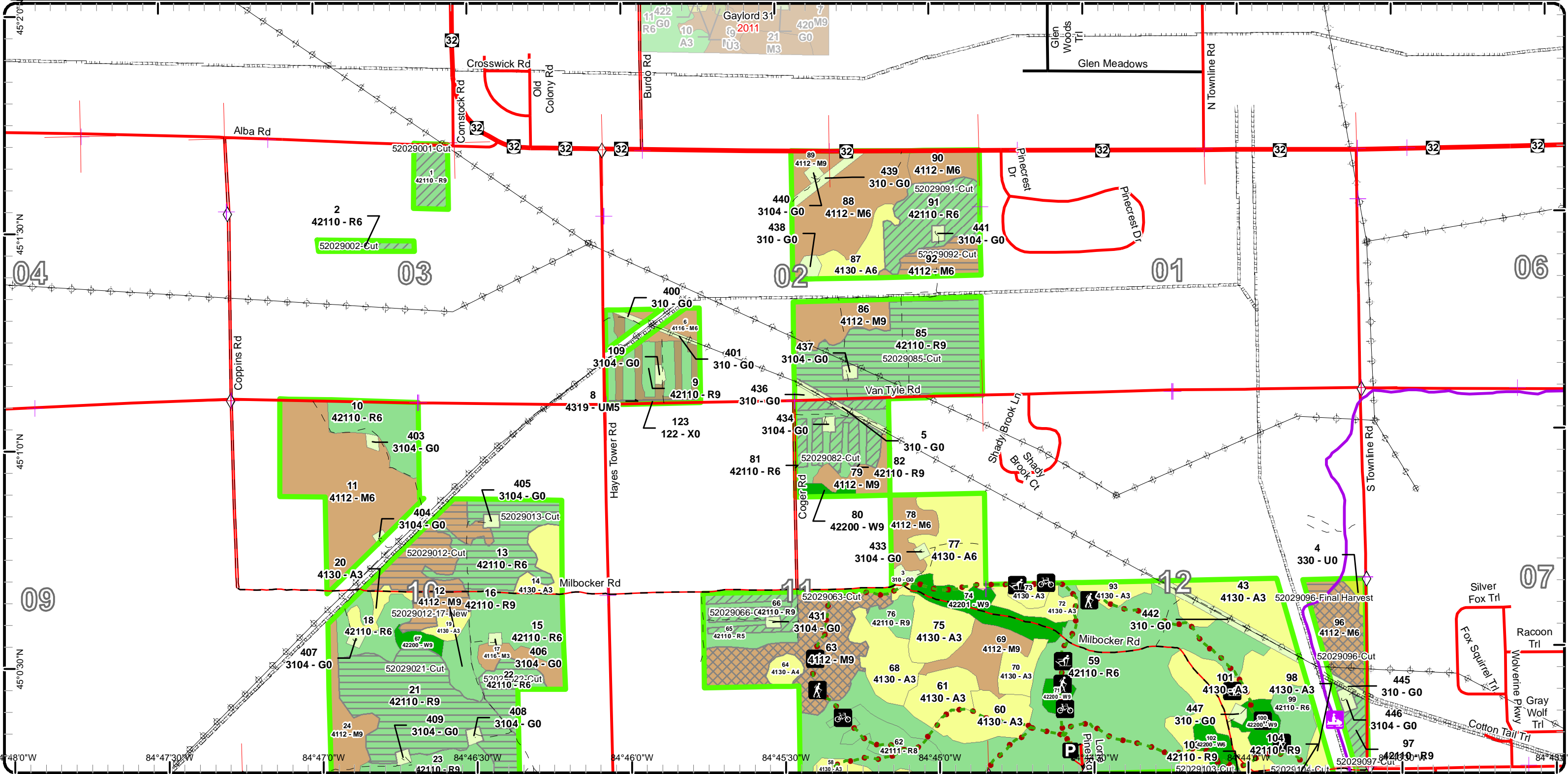


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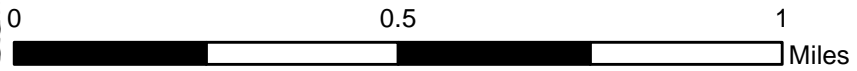
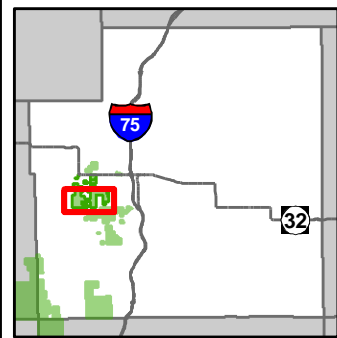


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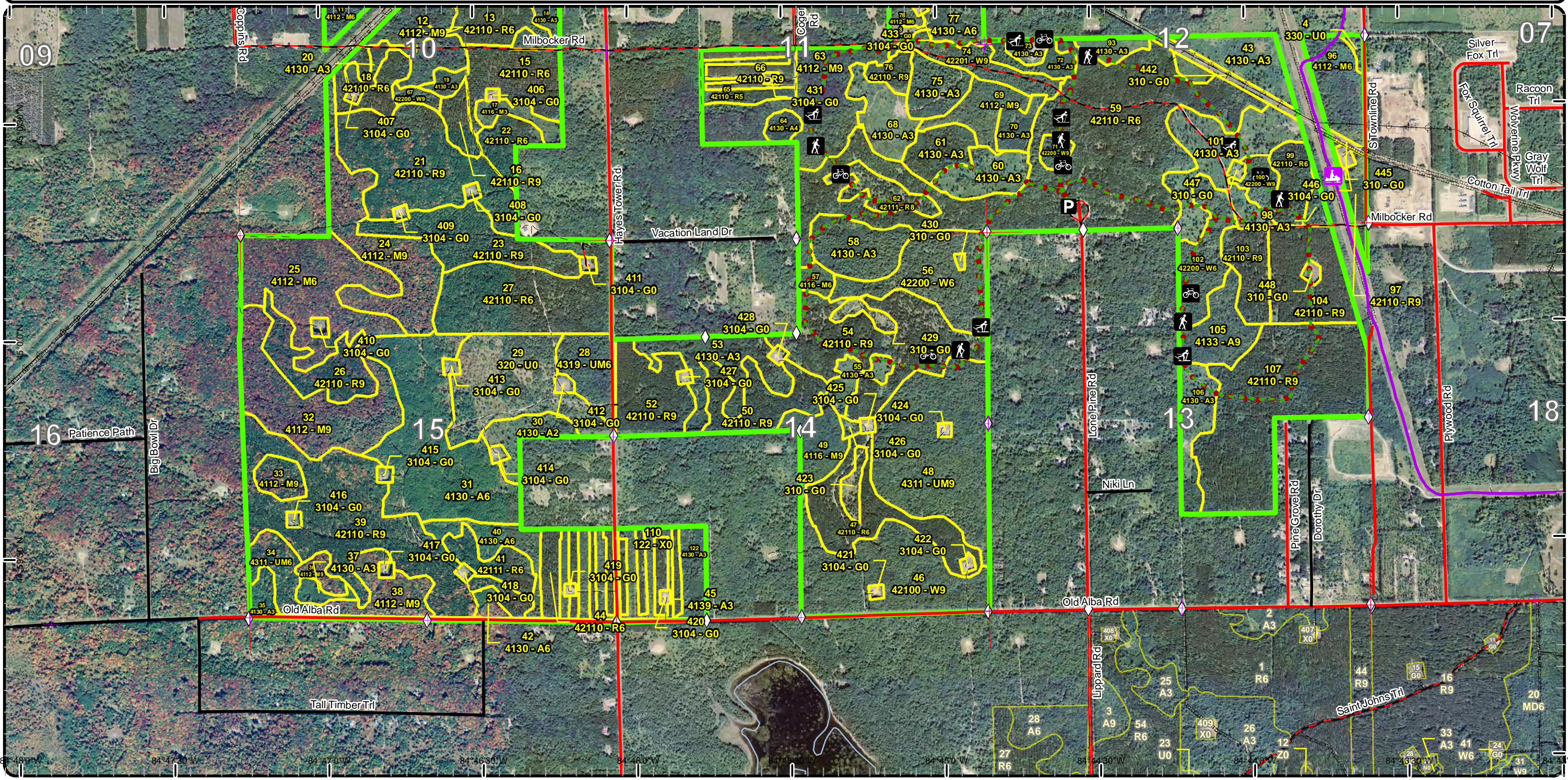


Stand Boundary Map

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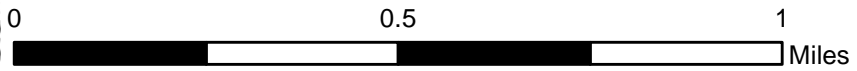
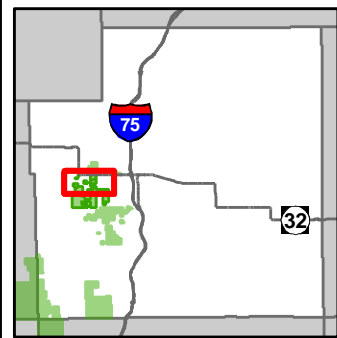


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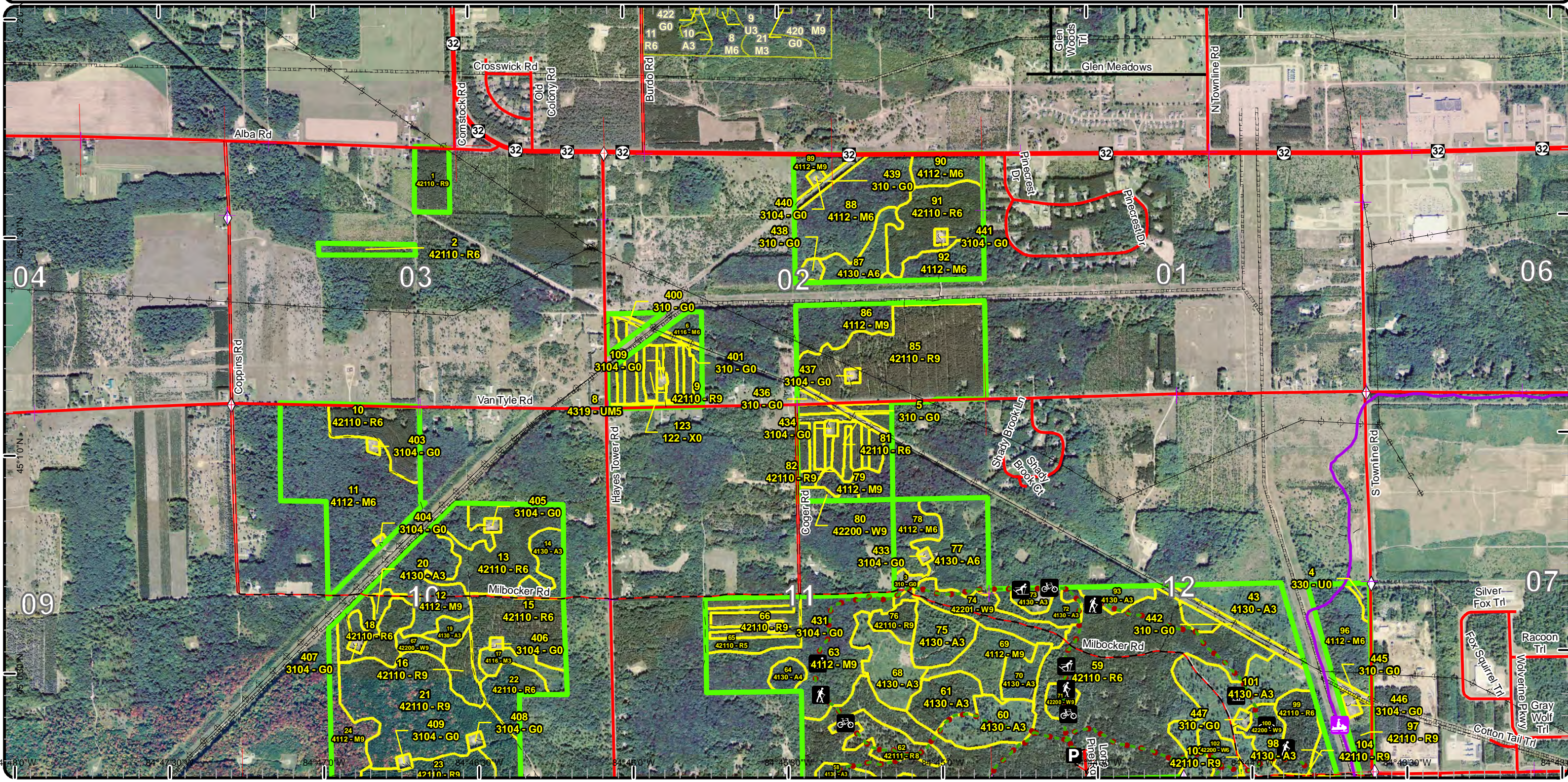


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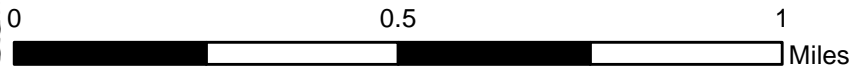
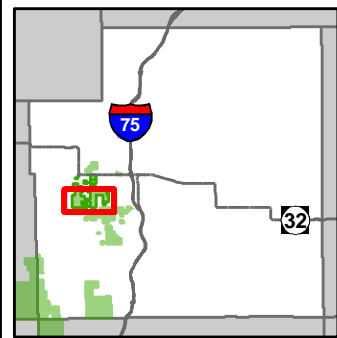


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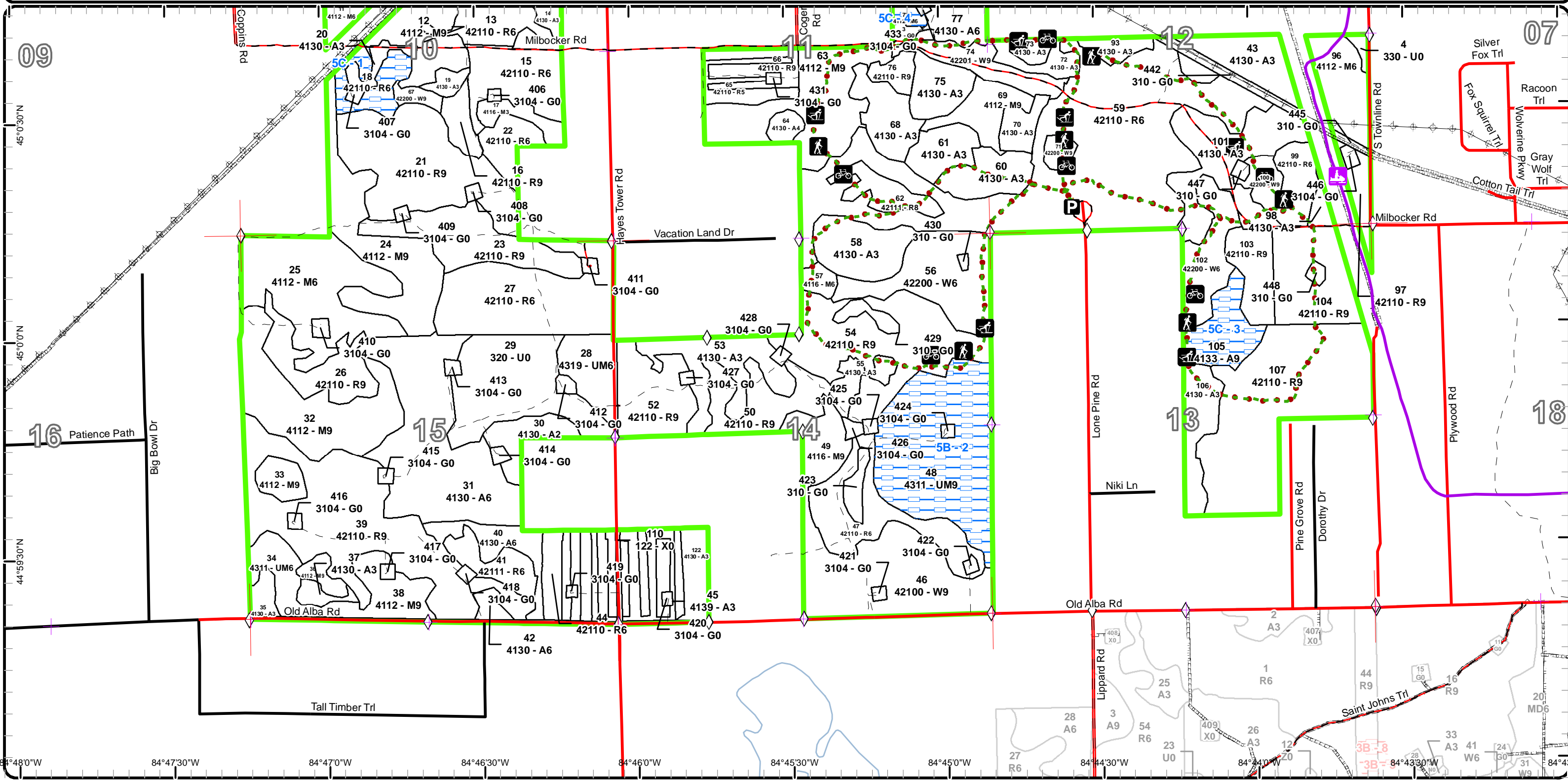


Special Conservation Areas & Site Conditions Map

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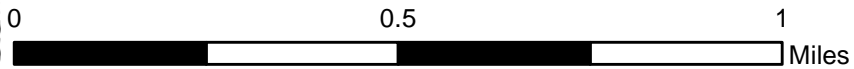
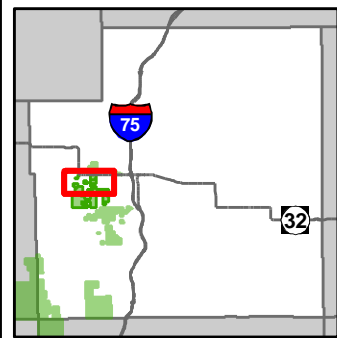
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- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality



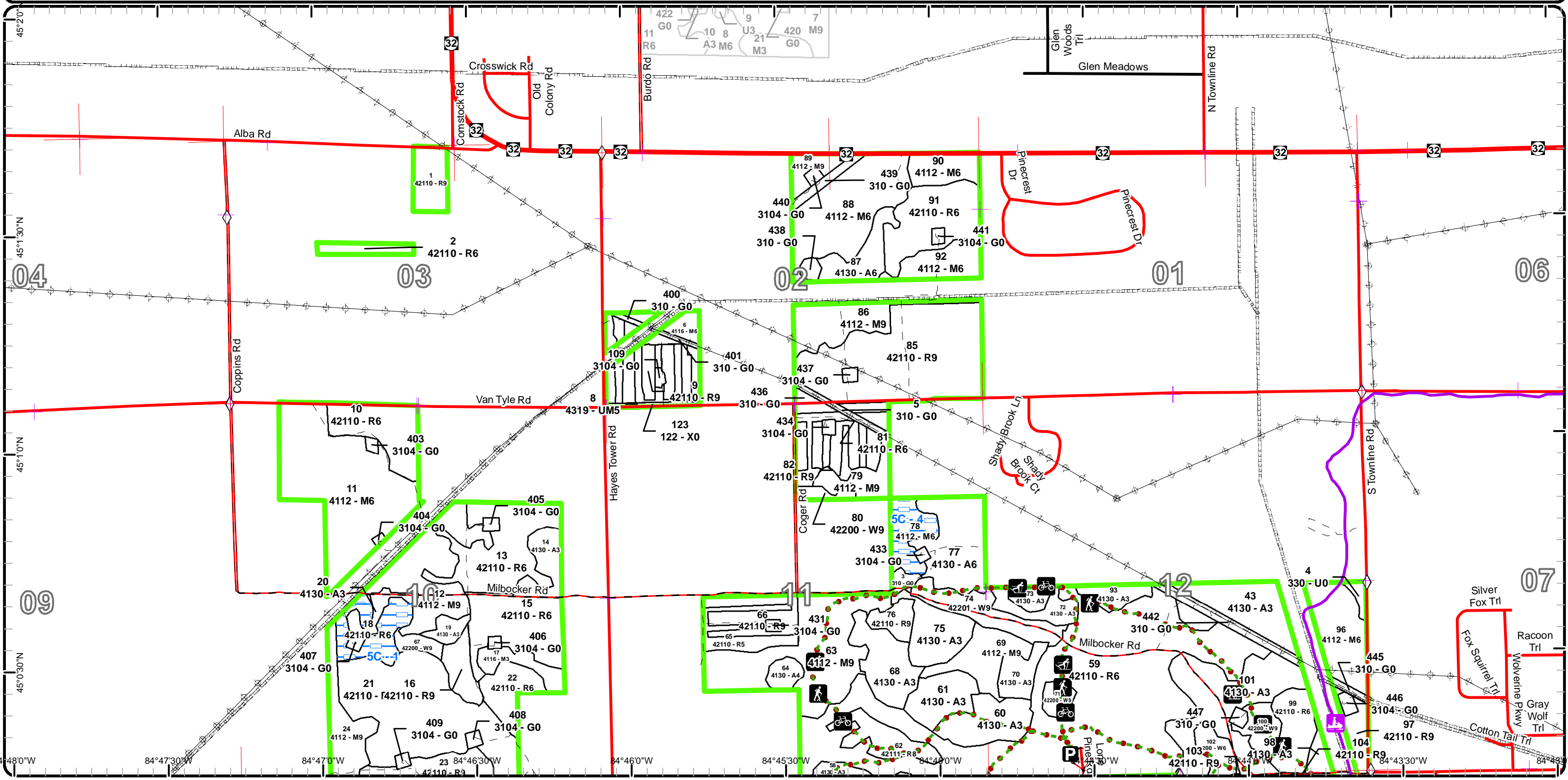
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- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Stand Boundaries



45°2'0" N, 45°1'30" N, 45°1'0" N, 45°0'30" N
 84°48'0" W, 84°47'30" W, 84°47'0" W, 84°46'30" W, 84°46'0" W, 84°45'30" W, 84°45'0" W, 84°44'30" W, 84°44'0" W

Report 1 – Total Acres by Cover Type and Age Class

Gaylord Mgt. Unit
Zach Crew : Examiner

Compartment 29 Year of Entry 2018



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	140	129	80	79	0	19	0	0	0	0	0	0	0	0	0	0	0	447
Herbaceous Openland	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Northern Hardwood	0	7	0	0	0	0	0	36	420	17	0	0	0	0	0	0	0	4	484
Red Pine	0	0	0	21	0	0	665	371	0	0	0	0	0	0	0	0	0	0	1056
Upland Mixed Forest	0	0	0	10	0	0	13	76	17	0	0	0	0	0	0	0	0	0	116
Upland Shrub	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
White Pine	0	0	0	0	0	0	40	101	7	4	0	0	0	0	0	0	0	0	151
Total	124	147	129	111	79	0	737	584	444	21	0	0	0	0	0	0	0	4	2378



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Compartment 29

Year of Entry: 2018

Acres of Harvest

Total Compartment Acres: 2,379

Commercial Harvest - 561
 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
Northern Hardwood	59	63	0	0	0	0	0	0	0	123
Red Pine	243	0	0	0	0	186	0	0	0	429
Upland Mixed Forest	0	0	0	0	0	9	0	0	0	9
Total	302	63	0	0	0	195	0	0	0	561

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	561	0	0	0	0	0	0	0	0	561
Next Step	0	265	531	0	0	22	640	180	0	1638
Total	561	265	531	0	0	22	640	180	0	2199



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
1	52029001-Cut	10.1	42110 - Planted Red Pine	Sawtimber Well	67	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Mark to thin stand with a BA of 120-140

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

2	52029002-Cut	4.8	42110 - Planted Red Pine	Poletimber Well	67	201+	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mark to thin stand with a target BA of 120-140

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

12	52029012-17- New	7.5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	72	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest, no retention south of the gas well road.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of deciduous species that meets the criteria for minimum stocking.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

12	52029012-Cut	22.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	72	81-110	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, standard retention.

Specs:

Next Step SitePrep, Trenching; Planting, Initial Plant; Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,

Treatments: Other

Acceptable A fully stocked red pine stand.

Regen:

Other There was an archeological hit in this section but it is located in a stand that won't be impacted by this treatment.

Comment:

Proposed Start Date: 10/01/2017



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
13	52029013-Cut	30.5	42110 - Planted Red Pine	Poletimber Well	56	111- 140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Final harvest stand, standard retention. The fingers on the east and west side of the stand would make good retention areas.

Specs:

Next Step SitePrep, Trenching; Planting, Initial Plant; Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,
Treatments: Other

Acceptable A fully stocked red pine plantation

Regen:

Other There was an archeological hit in this section, but it is located in a stand that won't be impacted by this treatment.

Comment:

Proposed Start Date: 10/01/2017

21	52029021-Cut	59.6	42110 - Planted Red Pine	Sawtimber Well	56	141- 170	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 stand, standard retention,

Specs:

Next Step SitePrep, Trenching; Planting, Initial Plant; Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,
Treatments: Other

Acceptable A fully stocked red pine plantation.

Regen:

Other There was an archeological hit in this section, but it is located in a stand that won't be impacted by this treatment.

Comment:

Proposed Start Date: 10/01/2017

22	52029022-Cut	11.4	42110 - Planted Red Pine	Poletimber Well	56	171- 200	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, standard retention. Since stands 21 and 22 after they are replanted will be merged into one stand, retention for either stand will
Specs: count toward the total acres of both.

Next Step SitePrep, Trenching; Planting, Initial Plant; Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,
Treatments: Other

Acceptable A fully stocked red pine plantation.

Regen:

Other There is an archeological hit in this section, but it is located in a stand that won't be impacted by this treatment.

Comment:

Proposed Start Date: 10/01/2017

27	52029027-Cut	56.2	42110 - Planted Red Pine	Poletimber Well	56	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 stand, focus retention around pockets of understory oak, or areas where the canopy is dominated by natural white pine.

Specs:

Next Step SitePrep, Trenching; Planting, Interplant; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other,
Treatments: Other

Acceptable A fully stocked red pine plantation.

Regen:OtherComment:

Proposed Start Date: 10/01/2017



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
28	52029028-Cut	9.1	4319 - Mixed Upland Forest	Poletimber Well	70	81-110	Harvest	Crown Thinning	4319 - Mixed Upland Forest	Uneven- Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Mark stand to cut with a target BA of 80. Run red line around hardwood dominated portion of stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of species that mimics the canopy that meets minimum stocking criteria.

Regen:

Other Could potential be set up as several small fuelwood sales.

Comment:

Proposed Start Date: 10/01/2017

44	52029044-Cut	30.5	42110 - Planted Red Pine	Poletimber Well	62	171- 200	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 with a target residual BA of 120.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

47	52029047-Cut	32.1	42110 - Planted Red Pine	Poletimber Well	60	171- 200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Remove every third row, only remove non red pine species if they obstruct harvesting operations.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Rows may need to be delineated for the logging operation.

Comment:

Proposed Start Date: 10/01/2017

49	52029049-Cut	15.0	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	69	81-110	Harvest	Clearcut with Retention	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand, follow standard retention guidelines.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable A mix of deciduous species that meets minimum stocking requirements.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



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
54	52029054-Cut	22.1	42110 - Planted Red Pine	Sawtimber Well	60	111- 140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Final harvest, standard retention, focus retention around pockets of understory oak, or areas dominated by natural white pine. Also, utilize
Specs: retention to address visibility concerns along Pine Baron Trail. Harvest in snow off conditions.

Next Step SitePrep, Trenching; Planting, Initial Plant; Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr);
Treatments: Pesticide, Other - Specify

Acceptable A fully stocked red pine plantation
Regen:

Other It was decided at compartment review that roughly half of the stand would be treated now, and half on a later date to address visual and
Comment: recreational concerns along the Pine Baron Pathway.

Proposed Start Date: 10/01/2017

63	52029063-Cut	45.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	76	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand with a target residual BA of 80. Pockets of Red Pine in the SE should be thinned to a target residual BA of 100. Establish regen gaps
Specs: where applicable, at a rate of no less than 1/5 acres. Regen gaps should be at least 75 feet in diameter. Protect pathway during operations.

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

Acceptable Any mix of species that mimics the composition of the canopy that meets criteria for minimum stocking.
Regen:

Other Keep in mind that site quality drops off along the South and East edges of stand, so red line may not run along stand boundaries in those
Comment: portions.

Proposed Start Date: 10/01/2017

66	52029066-Cut	12.3	42110 - Planted Red Pine	Sawtimber Well	62	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 stand to a target residual of 120 BA. Focus on poor quality/forked tops.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

82	52029082-Cut	15.4	42110 - Planted Red Pine	Sawtimber Well	67	171- 200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mark to thin stand to a target residual of 120 BA. Focus on poor quality/forked tops
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
85	52029085-Cut	63.2	42110 - Planted Red Pine	Sawtimber Well	67	171-200	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Final harvest stand, leave as close to 3 percent retention as possible. Concentrate retention around sparse areas of the plantation that have other species growing up with the red pine. Also establish retention utilizing the white pine understory in the SE and the Eastern portion of the stand.

Next Step SitePrep, Trenching; Planting, Initial Plant; Planting, Interplant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Regen: A fully stocked red pine plantation that meets minimum stocking standards

Other Comment: Use a 20 factor prism when cruising this stand.

Proposed Start Date: 10/01/2017

91	52029091-Cut	25.3	42110 - Planted Red Pine	Poletimber Well	52	171-200	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription First entry thinning, cut rows will more than likely have to be marked out for operations. Only cut no red pine trees if they impede harvest operations. Target residual BA of 120-140.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Proposed Start Date: 10/01/2017

92	52029092-Cut	11.9	4112 - Maple, Beech, Cherry Association	Poletimber Well	73	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest stand, standard retention

Next Step Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any mix of species that meets the requirements for minimum stocking.

Other Comment: Possible we could replant this to red pine along with stand 85

Proposed Start Date: 10/01/2017

96	52029096-Cut	18.2	4112 - Maple, Beech, Cherry Association	Poletimber Well	76	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mark stand with a target residual BA of 80. Retain some of the larger poorer quality aspen to develop into standing snags and for large CWD recruitment. If appropriate mark out trees to drop for nurse logs to provide a seed bed for the few scattered yellow birch and hemlock. Protect trail during operations. Mark out regen gaps(minimum 75 feet diameter) where applicable at a rate of no less than 1 per 5 acres.

Next Step Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: A mix of species similar to the composition of the canopy that meets minimum stocking levels.

Other Comment: There was an archeological hit in this section, but it was located in a stand that will not be impacted by this treatment.

Proposed Start Date: 10/01/2017



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
96	52029096- Final Harvest	2.6	4112 - Maple, Beech, Cherry Association	Poletimber Well	76	111- 140	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Final harvest portion of stand north of the snowmobile trail. No retention due to small stand size.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable An aspen dominated stand that meets minimum stocking requirements.

Regen:

Other There was an archeological hit in this section, but it is located in a stand that will not be impacted by this treatment.

Comment:

Proposed Start Date: 10/01/2017

97	52029097-Cut	7.9	42110 - Planted Red Pine	Sawtimber Well	66	201+	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand to roughly 120 BA. Target damaged trees and trees with fork tops/lower quality.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other There was an archeological hit in this section, but it is located in a stand that will not be impacted by this treatment.

Comment:

Proposed Start Date: 10/01/2017

103	52029103-Cut	15.9	42110 - Planted Red Pine	Sawtimber Well	56	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand to roughly 120 BA. Protect pathway during operations, harvest in snow off conditions.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other This stand doesn't meet silvicultural criteria but if we are to harvest stands 97 and 104 it makes sense to thin the portions of this stand that need it as well.

Comment:

Proposed Start Date: 10/01/2017

104	52029104-Cut	31.9	42110 - Planted Red Pine	Sawtimber Well	61	171- 200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand to roughly 120 BA. Target damaged trees and forked tops/lower quality. Protect pathway during operations. Harvest in snow off conditions.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

**Total Treatment
Acreage Proposed: 560.9**

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew : Examiner

Compartment: 29
Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5B	5C
		With Condition	Not Available			
446	427	19	0	Aspen		19
64	64	0	0	Herbaceous Openland		
2	2	0	0	Low-Density Trees		
485	473	11	0	Northern Hardwood		11
1055	1042	13	0	Red Pine		13
116	41	76	0	Upland Mixed Forest	76	
48	48	0	0	Upland Shrub		
10	10	0	0	Urban		
152	152	0	0	White Pine		
2,379	2,260	119		Total Forested Acres	76	44
	95%	5%	0%	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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Available	5B: Maintain for regeneration purposes	76	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Gaylord Mgt. Unit
Zach Crew : Examiner

Compartment: 29
Year of Entry: 2018

4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	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
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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42110 - Planted Red Pine	Sawtimber Well	10.1	67	141-170	Stand thinned 2010. Good spacing, trees growing well
2	42110 - Planted Red Pine	Poletimber Well	4.8	67	201+	THINNED 2008 - ACCESS GRANTED. Small narrow parcel that would probably be advisable to dispose of considering the difficulty of management
6	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	5.7	72	51-80	Low quality Red Maple and Black Cherry, occasional Quaking Aspen and White Pine.
8	4319 - Mixed Upland Forest	Poletimber Medium	10.2	27	Immature	JP C/C 1988. RP PLANTED IN 1990. HERBICIDE RELEASE 1994. SCATTERED SUCCESSFUL PLANTATION ~ 25 FT TALL. MANY AREAS FAILING. COMPETITION IS MOSTLY BC AND ASP. SOME JP, OAK AND HDWD SEEDLINGS/SAPS. RUBUS. MANUAL REMOVAL OF COMPETITION WAS THE RX. Release treatments have not been effective in establishing this plantation
9	42110 - Planted Red Pine	Sawtimber Well	14.6	62	141-170	MARKED THINNING 2001. NICE RP CLEAN ~ 35 FT. CLEAN UNDERSTORY. SOME AREAS OF NATURAL RP REGEN. VISUAL MGMT OF STRIPS ALONG ROADS. THINNED 2010.
10	42110 - Planted Red Pine	Poletimber Well	18.9	55	141-170	THINNED 2009. Thinning looks great, nice looking red pine stand.
11	4112 - Maple, Beech, Cherry Association	Poletimber Well	61.8	78	81-110	THINNED 2001. WELL SPACED - GOOD QUALITY HM POLES.
12	4112 - Maple, Beech, Cherry Association	Sawtimber Well	29.8	72	81-110	THINNED 2001. About 1/3 of the stand is low quality clumps of red maple, the rest is a fair quality single stemmed hardwood stand, but still lower in quality than stand 11 to the NW
13	42110 - Planted Red Pine	Poletimber Well	30.5	56	111-140	OPIC - FMD: ROWS NOT WELL DEFINED - NONCONSISTENT STOCKING. LIMBY. RANGE OF DIAM DEPENDING ON STOCKING. SOME ASP AND BC.
14	4130 - Aspen	Sapling Well	9.5	27	Immature	HARVESTED 1990. A3 ~ 35 FT TALL. NICE REGEN. SOME RESIDUAL WP.
15	42110 - Planted Red Pine	Poletimber Well	25.5	56	111-140	Thinned Spring 2011 Bisbelle Forest Products. Rows marked out during thinning, run east/west.
16	42110 - Planted Red Pine	Sawtimber Well	7.7	56	111-140	MOSTLY WELL STOCKED - SOME SPARSE AREAS. LIMBY WITH IRREGULAR ROWS IS COMMON. Stand thinned spring 2011, cut every fourth row, Bisbelle forest products
17	4116 - Mixed N. Hardwood - Aspen	Sapling Well	7.4	6	Immature	Stand clear-cut spring 2011 Bisbelle Forest Products, residual WP left standing.
18	42110 - Planted Red Pine	Poletimber Well	13.4	56	171-200	MOSTLY WELL STOCKED - SOME SPARSE AREAS. LIMBY WITH IRREGULAR ROWS IS COMMON. Stand thinned spring 2011, cut every fourth row, Bisbelle forest products



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	4130 - Aspen	Sapling Well	3.7	27	Immature	C/C 1990. A3 ~ 25 FT TALL. NICE THICK REGEN.
20	4130 - Aspen	Sapling Well	4.8	27	Immature	A3 ~ 30 FT TALL. NICE REGEN. C/C 1990. White pine left in the over story. Juneberry and Hawthorn found on the edges around the gas well site. Witch hazel is scattered throughout the stand.
21	42110 - Planted Red Pine	Sawtimber Well	59.6	56	141-170	STAND DOMINATED BY RP WITH SCATTERED ASP AND RM. ALSO, POCKETS OF A/RM OVER RP AND POCKETS OF PURE ASPEN ARE COMMON. Variable stocking, lack of defined rows, red pine of very poor quality, limby.
22	42110 - Planted Red Pine	Poletimber Well	11.4	56	171-200	OPEN GROWN - LIMBY. Patchy stocking in spots, could be restarted
23	42110 - Planted Red Pine	Sawtimber Well	32.8	56	111-140	MOSTLY LIMBY RP IN IRREGULAR ROWS. SOME NICE AND SOME POOR QUALITY. MIX ED WITH SOME ASP, BC, RM AND WP. Fourth row thinning spring 2011 Bisbell forest products.
24	4112 - Maple, Beech, Cherry Association	Sawtimber Well	43.9	75	81-110	MOSTLY SINGLE STEM RM POLES. NICE STAND - HM SEEDLING/SAP UNDERSTORY. FAVOR HM. RUN LINE BETWEEN ADJACENT STAND TO EXCLUDE POOR QUALITY/NON MERCH. STAND THINNED 3/2010.
25	4112 - Maple, Beech, Cherry Association	Poletimber Well	55.8	74	81-110	LOTS OF SMALL DIAM - NON MERCH SAPS UNDER POOR QUALITY OVERSTORY.
26	42110 - Planted Red Pine	Sawtimber Well	22.5	56	111-140	Stand thinned in 2012 Sale #520150801 Redemption Rp----old comments: GOOD QUALITY IN WELL STOCKED AREAS. RED LINE SHOULD ONLY INCLUDE PR THAT NEEDS THINNING. SOME HDWD MIXED IN AND SOME PORKY DAMAGE. MAY NEED TO MARK. Much better stocking on the east side of the stand
27	42110 - Planted Red Pine	Poletimber Well	56.2	56	111-140	MOSTLY OPEN GROWN/LIMBY RP. MANY SPARSE AREAS WITH IRREGULAR ROWS. SOME AREAS RP PLANTED UNDER ASPEN OR WP. SOME OPEN AREAS.
28	4319 - Mixed Upland Forest	Poletimber Well	17.1	70	81-110	Developing white pine poles throughout stand. Aspen falling over or in decline where found. White pine with some aspen dominate the West and south of the stand. Center and East edge of stand red maple dominated with some white pine/sugar maple, and yellow birch mixed in with a sugar maple dominate understory.
30	4130 - Aspen	Sapling Medium	12.1	5	Immature	Harvested 2012. Some residual pine left throughout. Small portion in the east along pvt boundary was not harvest (approx. 1/2 acre). Sale # 520150801 Redemption Rp. ---Old comments: THERE IS A FENCE ALONG THE PVT BOUNDARY. MOSTLY POOR QUALITY ASPEN. AREAS OF HEAVY WP UNDERSTORY ~ 20 - 30 FT TALL. MARK SOME WP TO LEAVE. WILDLIFE REQUESTED TAKING ENOUGH WP TO ENCOURAGE ASPEN REGEN.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	4130 - Aspen	Poletimber Well	74.7	39	1-50	A3 ~ 45 FT TALL. NICE REGEN - SOME RESIDUAL HDWD.
32	4112 - Maple, Beech, Cherry Association	Sawtimber Well	49.1	75	81-110	NICE HDWD WITH DECENT CROP TREES. STAND THINNED 3/2010.
33	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.7	76	81-110	MIXED STAND WITH SOME RP AND NICE ASPEN. MOSTLY CLUMPS OF POOR QUALITY HDWD.
34	4311 - Pine, Aspen Mix	Poletimber Well	13.2	52	81-110	UNDERPLANTED RP - SUPPRESSED. HEAVY HDWD UNDERSTORY. Mixed stand
35	4130 - Aspen	Sapling Well	4.8	28	Immature	A3 ~ 30 FT TALL. White Pine and Red Pine left.
36	4112 - Maple, Beech, Cherry Association	Sawtimber Well	4.8	73	81-110	MOSTLY FAIR QUALITY RM POLES WITH SOME OLD DECLINING ASPEN. Thinned summer 2010 by firewood cutters.
37	4130 - Aspen	Sapling Well	3.8	28	Immature	A3 ~ 35 FT TALL. THICK ASPEN REGEN WITH HDWD SAPS UNDER. Looks like pine left in the over story
38	4112 - Maple, Beech, Cherry Association	Sawtimber Well	18.2	76	81-110	MIX OF POOR TO GOOD QUALITY HDWD DOMINATED BY RM. ASPEN IS DECLINING. SOME NICE SINGLE STEMS. Thinned by firewood cutters summer 10/11
39	42110 - Planted Red Pine	Sawtimber Well	87.1	56	111-140	Sale thinned 2011/12 Ruthless RP # 520210801. MOSTLY WELL STOCKED - LIMBY BUT GOOD QUALITY. SOME SCATTERED ASP, RM AND BC. IRREGULAR ROWS.
40	4130 - Aspen	Poletimber Well	14.0	28	Immature	A3 ~ 30 - 40 FT TALL. NICE REGEN. Some scattered black cherry and red maple as well. Stand 125 to the south, while 10 years younger, was rolled into this stand due to it not meeting acreage requirements to be mapped out.
41	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	12.3	52	81-110	OPEN GROWN AND LIMBY. SOME ASPEN AND RM. Poor stocking
42	4130 - Aspen	Poletimber Well	3.5	28	Immature	A3 ~ 30 - 40 FT TALL. NICE REGEN.
43	4130 - Aspen	Sapling Well	21.5	7	Immature	Cut spring 2010. Scattered wildlife shrubs present. White Pine/Red Pine marked to leave.
44	42110 - Planted Red Pine	Poletimber Well	30.5	62	171-200	Thinned in 2002, some areas with dense understory
45	4139 - Aspen, Mixed Deciduous	Sapling Well	23.1	15	Immature	Mostly Quaking Aspen regen and Black Cherry stump sprouts. One strip on the east side of Hayes Tower road is dominated by Jack Pine, all volunteers, not replanted. Aspen regen ~ 25 feet tall. Wildlife shrubs present.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	42100 - Planted White Pine	Sawtimber Well	59.0	62	111-140	Limby multi stemmed white pine, occasional Red Pine and Quaking Aspen. A few stems are decent but most have lost leaders and are wolfy.
47	42110 - Planted Red Pine	Poletimber Well	32.1	60	171-200	Decent stocking in most spots, where stocking is higher quality improves.
48	4311 - Pine, Aspen Mix	Sawtimber Well	75.9	62	111-140	AREAS OF WP REGEN LOOK PLANTED. WP LIMBY WITH FORKED TOPS COMMON. POOR QUALITY EXCEPT EAST EDGE OF STAND. Highly variable stand. Some pockets of Red pine on the west side of the stand look to have been under planted? Some of the white pine appears to have been planted as well in areas?
49	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	15.0	69	81-110	MOSTLY POOR QUALITY RM. SOME NICE SINGLE STEMS. LOTS OF ASPEN
50	42110 - Planted Red Pine	Sawtimber Well	24.5	58	141-170	Stand thinned in 2002 and 2012. Decent Red Pine.
52	42110 - Planted Red Pine	Sawtimber Well	26.8	58	141-170	Stand thinned in 2012. THINNED 2002. NICE PINE - LIMBY. FAIRLY CLEAN UNDERSTORY. SOME OAK REGEN. AREAS OF HEAVY M3 FROM HEAVY THINNING. In west rows run E/W, and in the east rows run N/S. Some very sparse areas along south private boundary line.
53	4130 - Aspen	Sapling Well	26.6	15	Immature	REMOVAL/RP THINNING 2002. MOSTLY ASPEN ~ 10 FT TALL. MIX WITH HDWD AND RESIDUAL RP. NICE REGEN WHERE THERE IS NO RP OVERSTORY.
54	42110 - Planted Red Pine	Sawtimber Well	58.6	60	111-140	Some pockets are open/sparse, especially in the north of the stand, areas of Red Maple and Aspen. Quality of stand degrades as you head north. A 1/2 - 1 acre clump of white pine in the nw corner
55	4130 - Aspen	Sapling Well	8.1	5	Immature	Harvested 2012 residual white pine left throughout. #520150801 Redemption RP. fully stocked aspen regen, red maple sprouting where it was cut, a few scattered oak saplings.
56	42200 - Natural White Pine	Poletimber Well	37.2	52	111-140	Open Grown and limby White Pine throughout, scattered decent logs. Scattered Quaking Aspen and Red Maple. Black Cherry has developed into poles where the stand is more open.
57	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	4.1	67	111-140	Poor quality red maple, a 1/3 of the stand is in decaying aspen. A very small stand with the rec trail running right through the middle of it making it difficult to harvest.
58	4130 - Aspen	Sapling Well	22.0	16	Immature	A3 ~ 15 FT TALL. AREAS OF HEAVY WP/RP RESIDUAL. ASPEN REGEN SPARSE WHERE OVERSTORY IS HEAVY. C/C 2001. Area of thick Red Pine regen in the north center of the stand 10 - 15 feet tall, red maple and black cherry sprouting where they were cut.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
59	42110 - Planted Red Pine	Poletimber Well	163.5	56	141-170	MIX OF WELL STOCKED TO SPARSE WITH SOME OPEN AREAS. MOSTLY SHORT, LIMBY AND OPEN GROWN. ASPEN IS DECLINING. LARGE WP STUMPS COMMON. A few scattered pockets (~1/4 acre of pure white pine)
60	4130 - Aspen	Sapling Well	15.9	6	Immature	Group W aspen cut spring 2011. White pine marked to leave, retention pocket in the South west of stand.
61	4130 - Aspen	Sapling Well	13.0	16	Immature	C/C 2001. 3 ~ 15 FT TALL. SCATTERED HEAVY WP AND RP RESIDUAL. Good looking regen, already a few Big Tooth Aspen poles developing.
62	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Medium	11.6	56	51-80	OPEN GROWN RP. SPARSE AREAS. LIMBY AND POOR QUALITY. SOME SCATTERED ASPEN. LOTS OF OLD WP STUMPS. Oak regen concentrated around opening edges
63	4112 - Maple, Beech, Cherry Association	Sawtimber Well	45.1	76	111-140	DECENT RM AND HM SINGLE STEM POLES. ASPEN IS DYING. White Pine and Red Pine scattered around the south edge, further north you go into the stand aspen is less common. South and East edges of stand quality drops off. A few hemlock saplings on the edge should be protected. Some scattered birch.
64	4130 - Aspen	Poletimber Poor	4.2	39	51-80	Nicely developing aspen
65	42110 - Planted Red Pine	Poletimber Medium	9.5	27	1-50	Planted in 1990, successful, heavy understory, Black Cherry and Quaking Aspen dominate where the planting failed.
66	42110 - Planted Red Pine	Sawtimber Well	12.3	62	141-170	Thinned in 2002, some oak in the understory, could be thinned again.
67	42200 - Natural White Pine	Sawtimber Well	3.5	86	81-110	Small stand, mostly large diameter white pine with some intermixed red maple in the canopy.
68	4130 - Aspen	Sapling Well	16.8	6	Immature	Stand cut spring 2011, White Pine and Red Pine marked to leave in the over story.
69	4112 - Maple, Beech, Cherry Association	Sawtimber Well	14.4	75	81-110	Fair quality hardwoods, losing quality towards the south and west. Large white pine in the over story, very little desirable understory. White pine understory is thicker in the south, less canopy closure.
70	4130 - Aspen	Sapling Well	7.6	16	Immature	C/C 2001. NICE ASPEN REGEN. A3 ~ 15 FT TALL. SOME WP RESIDUAL. Wildlife shrubs present.
71	42200 - Natural White Pine	Sawtimber Well	4.0	67	141-170	MOSTLY NICE WP. SOME FORKED AND LIMBY. AREAS OF HEAVY RM UNDERSTORY. BECK GROVE. A few pockets of Quaking Aspen, Red Maple, and Black Cherry.
72	4130 - Aspen	Sapling Well	7.3	16	Immature	C/C 2001. NICE ASP REGEN. SOME RM STUMP SPROUTS. RES PINE TO THE WEST. A3 ~ 15 FT TALL.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
73	4130 - Aspen	Sapling Well	3.8	6	Immature	C/C . Cut spring 2011, nothing left in the over story
74	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	15.6	67	81-110	Limby open grown white pine, a few nice stems, intermixed with some nappy aspen that is dying out.l
75	4130 - Aspen	Sapling Well	14.8	16	Immature	C/C 2001. A3 ~ 20-25 FT TALL WITH RES WP AND RP. Regen is good where residual is low.
76	42110 - Planted Red Pine	Sawtimber Well	5.8	56	141-170	Scattered Aspen and Red maple in the over story.
77	4130 - Aspen	Poletimber Well	24.3	27	Immature	C/C 1990. A3 ~ 35 FT TALL. NICE REGEN. SOME OPEN AREAS AND SOME HILLS.
78	4112 - Maple, Beech, Cherry Association	Poletimber Well	11.1	68	111-140	Poor to fair quality, mostly red maple, Aspen is decining and has hypoxylon canker. Better quality in the north.
79	4112 - Maple, Beech, Cherry Association	Sawtimber Well	8.8	77	51-80	WEST IS CLUMPS WITH SOME HEMLOCK REGEN ~ 8 FT TALL. THIN - FAVOR HM. MARKED AND SOLD AS SMALL SALE "FIREWOOD". CUT AND CLOSED 8/17/2009.
80	42200 - Natural White Pine	Sawtimber Well	3.2	57	111-140	MOSTLY POOR QUALITY WEEVILED WP. SOME MORTALITY. SOME CHERRY AND ASPEN.
81	42110 - Planted Red Pine	Poletimber Well	10.5	27	Immature	NICE YOUNG RP ~ 30 FT TALL. SOME OAK, JP, HDWD AND ASPEN COMPETITION. EXCELLENT GROWTH THE PAST FEW YEARS. AREAS OF PURE M3. JP C/C 1988. RP PLANTED 1990.
82	42110 - Planted Red Pine	Sawtimber Well	15.4	67	171-200	FMD: THINNED 1989. NICE CLEAN RP ~ 40 FT. MARKED 2002. Ready for another marked thinning this YOE.
85	42110 - Planted Red Pine	Sawtimber Well	63.2	67	171-200	GOOD QUALITY WELL SPACED RP LOGS. CLEAN ~ 35 FT. VERY CLEAN UNDERSTORY. LET CANOPY CLOSE TO HELP PRUNE. THINNED 1989. MARKED 2002.
86	4112 - Maple, Beech, Cherry Association	Sawtimber Well	17.3	81	81-110	THINNED 2002. GOOD QUALITY - NICE SINGLE STEMS. HM MOVING IN - THICK M3 UNDERSTORY.
87	4130 - Aspen	Poletimber Well	11.1	27	Immature	C/C 1990. A3 ~ 25 FT TALL. NICE THICK REGEN.
88	4112 - Maple, Beech, Cherry Association	Poletimber Well	36.4	72	81-110	NICE POLE STAND - GOOD QUALITY. THINNED 1992. LOTS OF NON - MERCH. SCATTERED HEMLOCK. THINNING PLOT EXISTS EAST OF POWERLINE ALONG M-32. SEE FILE FOR INFO.SW 1/3 of stand of very poor quality, should of been harvested with the rest of stand 87. NE 2/3 comparable to stand 89.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
89	4112 - Maple, Beech, Cherry Association	Sawtimber Well	5.7	73	81-110	OPIC - FMD: NICE POLE STAND - GOOD QUALITY. LOTS OF NON - MERCH. SCATTERED HEMLOCK. THINNING PLOT EXISTS EAST OF POWERLINE ALONG M-32. SEE FILE FOR INFO.
90	4112 - Maple, Beech, Cherry Association	Poletimber Well	9.7	66	51-80	VERY POOR QUALITY MULTI - STEM RM SPROUTS. SOME HEMLOCK.
91	42110 - Planted Red Pine	Poletimber Well	25.3	52	171-200	LIMBY - IRREGULAR ROWS. SCATTERED RM AND ASP. PAINTED TRAIL SYSTEM FROM PRIVATE.
92	4112 - Maple, Beech, Cherry Association	Poletimber Well	11.9	73	81-110	VERY POOR QUALITY RM CLUMPS.
93	4130 - Aspen	Sapling Well	5.8	6	Immature	Cut spring 2011. Nice well stocked regen ~ 10 feet
96	4112 - Maple, Beech, Cherry Association	Poletimber Well	20.7	76	111-140	Over mature aspen, most located along the west edge of stand and in the NW corner across the snowmobile trail. Some decent white pine logs in the south, scattered hemlock regen also concentrated in the south, areas of decent northern hardwoods.
97	42110 - Planted Red Pine	Sawtimber Well	7.9	66	201+	FAIR QUALITY RP. CLEAN ~ 30 FT. SELF PRUNING NICELY
98	4130 - Aspen	Sapling Well	3.6	17	Immature	C/C 2000. NICE ASPEN REGEN ~ 25 feet tall, white pine left in the over story.
99	42110 - Planted Red Pine	Poletimber Well	13.3	56	111-140	HEAVILY THINNED 2000. OPEN GROWN. POOR FORM - SHORT AND LIMBY. SOME WP. HEAVY M3 UNDERSTORY. Some areas sparse to begin with, looks like all non pine species cut when it was thinned, lots of White pine in the north east corner. Aspen sprouted where it was cut.
100	42200 - Natural White Pine	Sawtimber Well	7.2	72	111-140	NICE SMALL STAND OF GOOD QUALITY WP. A good amount of beneficial wildlife shrubs found in the understory
101	4130 - Aspen	Sapling Well	39.6	6	Immature	Stand cut spring 2011. nice regen ~ 10 feet tall. White Pine marked to leave.
102	42200 - Natural White Pine	Poletimber Well	21.9	62	141-170	Large white pine, areas of good stocked white pine understory. Other areas almost pure red maple and aspen, with a heavy hardwood understory.
103	42110 - Planted Red Pine	Sawtimber Well	15.9	56	141-170	Thinned in 2000. Very limby and stocky, good stocking levels in most of the stand though.
104	42110 - Planted Red Pine	Sawtimber Well	31.9	61	171-200	Thinned 2000, some areas rather heavily. Better stocking in the north half of the stand, thicker understory south of the opening due to it being more open.

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Gaylord Mgt. Unit

Report 7 – Forested Stands

Compartment: 29
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
105	4133 - Aspen, Mixed Pine	Sawtimber Well	18.9	52	81-110	Predominantly aspen, several pockets of white pine
106	4130 - Aspen	Sapling Well	16.9	6	Immature	Stand cut spring 2011. White Pine left individually and in islands.
107	42110 - Planted Red Pine	Sawtimber Well	89.4	61	81-110	Thinned in 2000. Heavily thinned. Much more open than stand 104 to the north, heavy hardwood and aspen understory.
122	4130 - Aspen	Sapling Well	10.8	17	Immature	All white pine and some red pine left on the east edge of the stand. Can't find old sale file, and trees too small to core, so age is an estimate. Assumed stand was final harvested the same time as 45.



Stand	Cover Type	Acres	Managed Site	General Comments:
3	310 - Herbaceous Openland	2.1	No	Grassy opening, beginning to fill in with some Black Cherry, Aspen, and White Pine.
4	330 - Low-Density Trees	2.0	No	brushy open area filling in with some aspen, cherry, red maple
5	310 - Herbaceous Openland	2.9	No	Powerline easement
29	320 - Upland Shrub	48.4	No	OPEN WITH MOSTLY CHERRY BRUSH AND SCATTERED A3. Some white pine filling in also
109	3104 - Degraded	0.8	No	Gas well site
110	122 - Road/Parking Lot	8.4	No	Old Alba Road
123	122 - Road/Parking Lot	1.8	No	Van Tyle Road and cleared ROW
400	310 - Herbaceous Openland	0.7	No	POWERLINE.
401	310 - Herbaceous Openland	0.9	No	POWERLINE.
403	3104 - Degraded	0.8	No	GAS WELL. VALVES ONLY. KNAPWEED.
404	3104 - Degraded	0.5	No	GAS WELL. VALVES ONLY. KNAPWEED.
405	3104 - Degraded	1.0	No	GAS WELL. VALVES ONLY. KNAPWEED.
406	3104 - Degraded	0.7	No	GAS WELL. VALVES ONLY. KNAPWEED.
407	3104 - Degraded	1.0	No	GAS WELL. VALVES ONLY. KNAPWEED.
408	3104 - Degraded	1.1	No	GAS WELL. VALVES ONLY. KNAPWEED.
409	3104 - Degraded	0.9	No	GAS WELL. VALVES ONLY. KNAPWEED.
410	3104 - Degraded	1.4	No	GAS WELL. PUMP JACK AND SHED.
411	3104 - Degraded	1.1	No	GAS WELL. VALVES AND SHED. KNAPWEED.



Stand	Cover Type	Acres	Managed Site	General Comments:
412	3104 - Degraded	1.5	No	GAS WELL. VALVES ONLY. K NAPWEED.
413	3104 - Degraded	1.1	No	GAS WELL. VALVES ONLY. K NAPWEED.
414	3104 - Degraded	1.2	No	GAS WELL. VALVES ONLY. K NAPWEED.
415	3104 - Degraded	1.1	No	GAS WELL. VALVES ONLY. K NAPWEED.
416	3104 - Degraded	1.0	No	GAS WELL. VALVES AND SHED. K NAPWEED.
417	3104 - Degraded	1.0	No	GAS WELL. VALVES ONLY. K NAPWEED.
418	3104 - Degraded	0.9	No	GAS WELL. VALVES AND SHED. K NAPWEED.
419	3104 - Degraded	0.6	No	GAS WELL. VALVES ONLY. K NAPWEED.
420	3104 - Degraded	0.6	No	GAS WELL. VALVES ONLY. K NAPWEED.
421	3104 - Degraded	0.9	No	GAS WELL - VALVES ONLY. K NAPWEED.
422	3104 - Degraded	0.9	No	GAS WELL - VALVES ONLY. K NAPWEED.
423	310 - Herbaceous Openland	4.6	No	FULL OF OLD STUMPS. SCATTERED BC AND RP.
424	3104 - Degraded	0.8	No	GAS WELL. VALVES AND SHED. K NAPWEED.
425	3104 - Degraded	1.0	No	GAS WELL. VALVES AND SHED. K NAPWEED.
426	3104 - Degraded	1.4	No	DEPRESSION WITH SCATTERED ASP, OAK AND PINE.
427	3104 - Degraded	0.8	No	GAS WELL. VALVES AND SHED. K NAPWEED.
428	3104 - Degraded	1.0	No	GAS WELL - VALVES ONLY. K NAPWEED.
429	310 - Herbaceous Openland	4.1	No	TWO DEPRESSIONS WITH SCATTERED BC AND RP (EAST) ASP AND EROSION ON HILLSIDES (WEST).



Stand	Cover Type	Acres	Managed Site	General Comments:
430	310 - Herbaceous Openland	0.6	No	SMALL OPENING WITH SOME SCATTERED HDWD.
431	3104 - Degraded	0.8	No	GAS WELL. PUMP JACK AND SHED. KNAPWEED.
433	3104 - Degraded	0.7	No	GAS WELL. OLD PUMP JACK. KNAPWEED.
434	3104 - Degraded	0.9	No	GAS WELL. PUMP JACK. KNAPWEED.
436	310 - Herbaceous Openland	1.1	No	SOME RES RP AND JP.
437	3104 - Degraded	1.0	No	GAS WELL. PUMP JACK AND SHED. EDGES HEAVY TO RP AND JP SEEDLINGS.
438	310 - Herbaceous Openland	1.7	No	ASP AND HDWD MOVING IN.
439	310 - Herbaceous Openland	3.2	No	POWERLINE.
440	3104 - Degraded	1.0	No	GAS WELL. PUMP JACK AND SHED.
441	3104 - Degraded	0.9	No	GAS WELL. PUMP JACK AND SHED. KNAPWEED.
442	310 - Herbaceous Openland	6.4	No	POWERLINE.
445	310 - Herbaceous Openland	1.3	No	POWERLINE.
446	3104 - Degraded	1.4	No	LOOKS EXPANDED. 2 WELLS (BARE GROUND). VALVES AND SHED FOR ONE WELL AND JUST VALVES FOR THE OTHER.
447	310 - Herbaceous Openland	1.1	No	SLIGHT DEPRESSION. CLEAN OPENING. SOME WP AND CHERRY.
448	310 - Herbaceous Openland	1.4	Yes	NICE CLEAN OPENING. RX FOR MAINTENANCE BY WILDLIFE DIVISION.