



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52180

Entry Year 2017

Acreage: 1,209

County Cheboygan

Management Area: Cheboygan Basin Moraines

Revision Date: 2015-05-12

Stand Examiner: Dan Heckman

Legal Description:

T35N - R01W, Sections 4, 5 and 6

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:

Good mix of sandy soils and hardwood loams on rolling topography. Essentially no steep slopes were encountered. Organic soils are limited to a few small isolated areas.

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

This compartment has a fairly contiguous state ownership pattern.

Unique Natural Features:

Good potential for red-shouldered hawk and northern goshawk occurrences in this compartment.

Archeological, Historical, and Cultural Features:

None previously identified although it is likely that an old logging camp was once situated in this compartment.

Special Management Designations or Considerations:

None identified.

Watershed and Fisheries Considerations:

A seasonal drainage originates in stand #8 and a similar drainage passes across stand #1. No other water features were encountered within this compartment.

Wildlife Habitat Considerations:

Treatments in this compartment will maintain age class diversity in aspen and oak while creating early successional habitat benefiting deer, grouse, wild turkey and woodcock. Oak clumps and/or large crowned oak will be left where appropriate for hard mast. Openings are prescribed 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

Surface sediments consist of icecontact outwash sand and gravel. The glacial drift thickness varies between 200 and 400 feet. The Devonian Traverse Group subcrops below the glacial drift. The Traverse is used for stone and cement products. Afton

Quarry is located five miles to the southwest. Gravel pits are not located in the area, but there is good potential. The nearest oil and gas production, the Antrim Shale gas play, is located 15 miles to the south. The Antrim Shale is absent in this area and there is no known oil and gas potential.

Vehicle Access:

Very good access currently exists to most areas of the compartment.

Survey Needs:

No work is required in order to carry out the currently prescribed forest management treatments.

Recreational Facilities and Opportunities:

Currently no recreational trails or facilities are located within this compartment.

Fire Protection:

This compartment has some pockets of highly volatile fuel types. A good road system, however, provides plenty of access for fire equipment.

Additional Compartment Information:

The following reports from the Inventory are attached:

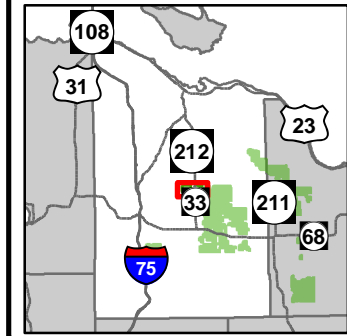
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

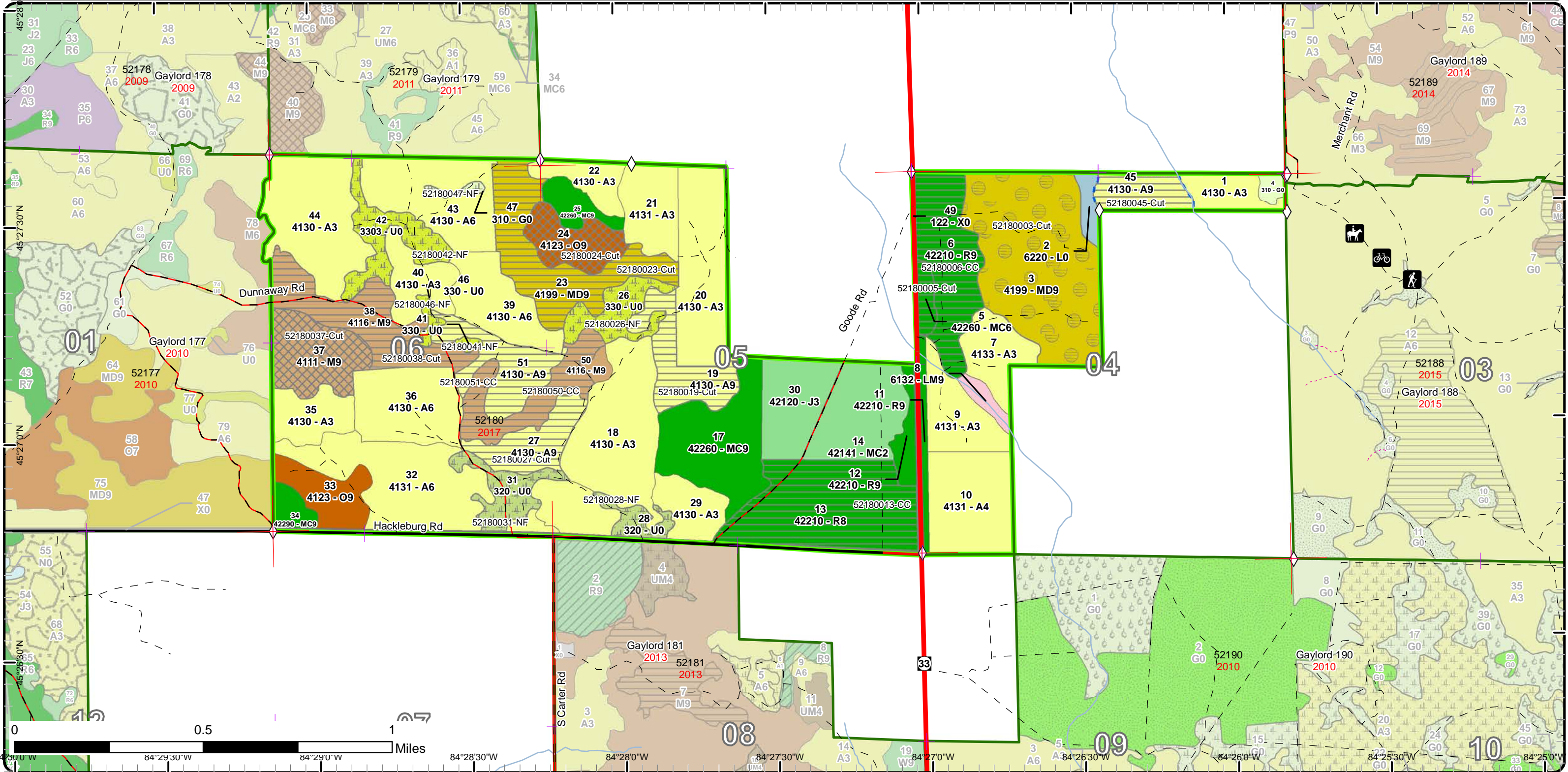
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 180
 T35N,R01W, Sec. 4-6 /nT35N,R02W, Sec. 1
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Cheboygan Basin Moraines
 YOE: 2017
 Acres: 1209 GIS Calculated
 Examiner: Dan Heckman
 Map Revised: 3/24/2016
 Map Phase: Post-Review

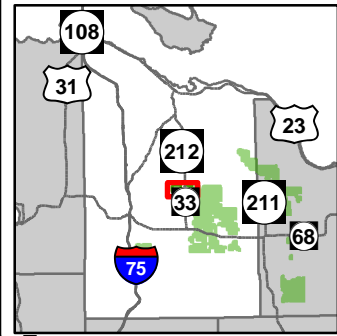


- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Bike Trails
- Hiking Trails
- Horse Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- - Poor Dirt Roads
- - County Poor Dirt Roads
- - - Trail (Non-Recreation)
- Rivers
- Compartment Boundary
- Treatments with Site Conditions (pd)
- Treatments with Site Conditions
- Patch/Strip Cut (Femelschlag)
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Other Treatment - See Comments
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 613 - Lowland Mixed Forest
- Non-Forest Covertype
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen

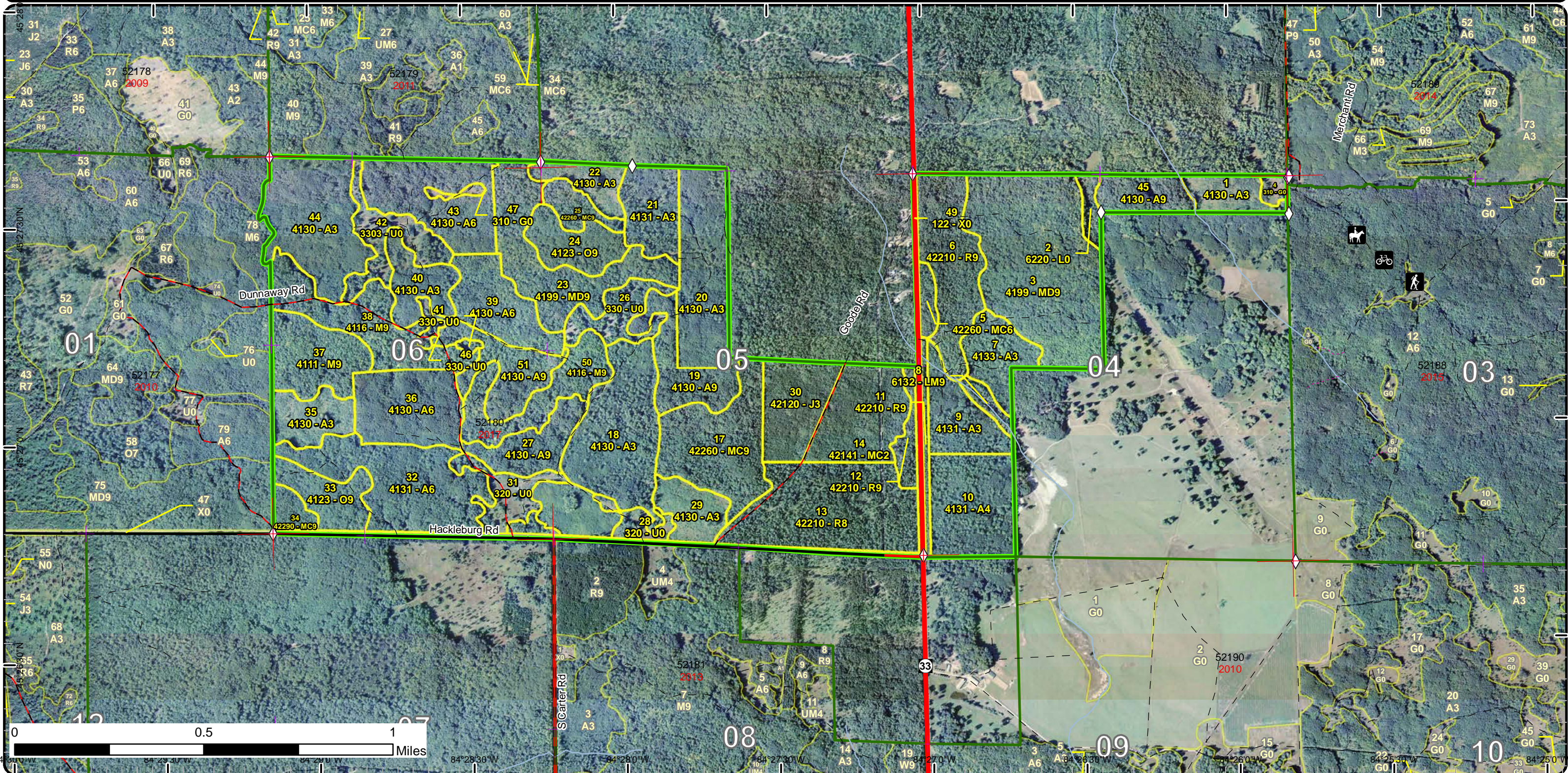


Stand Boundary Map

Compartment: 180
 T35N,R01W, Sec. 4-6 /nT35N,R02W, Sec. 1
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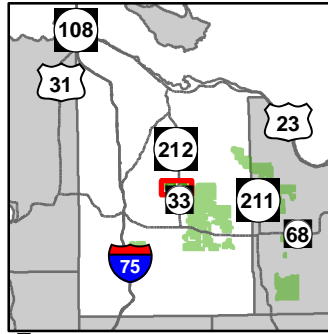


- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Bike Trails
- Hiking Trails
- Horse Trails
- Highway
- County Paved Roads
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- Rivers
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub

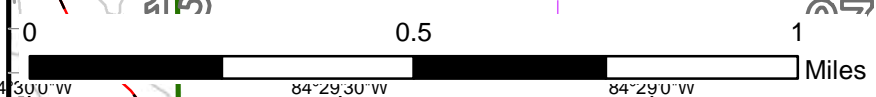
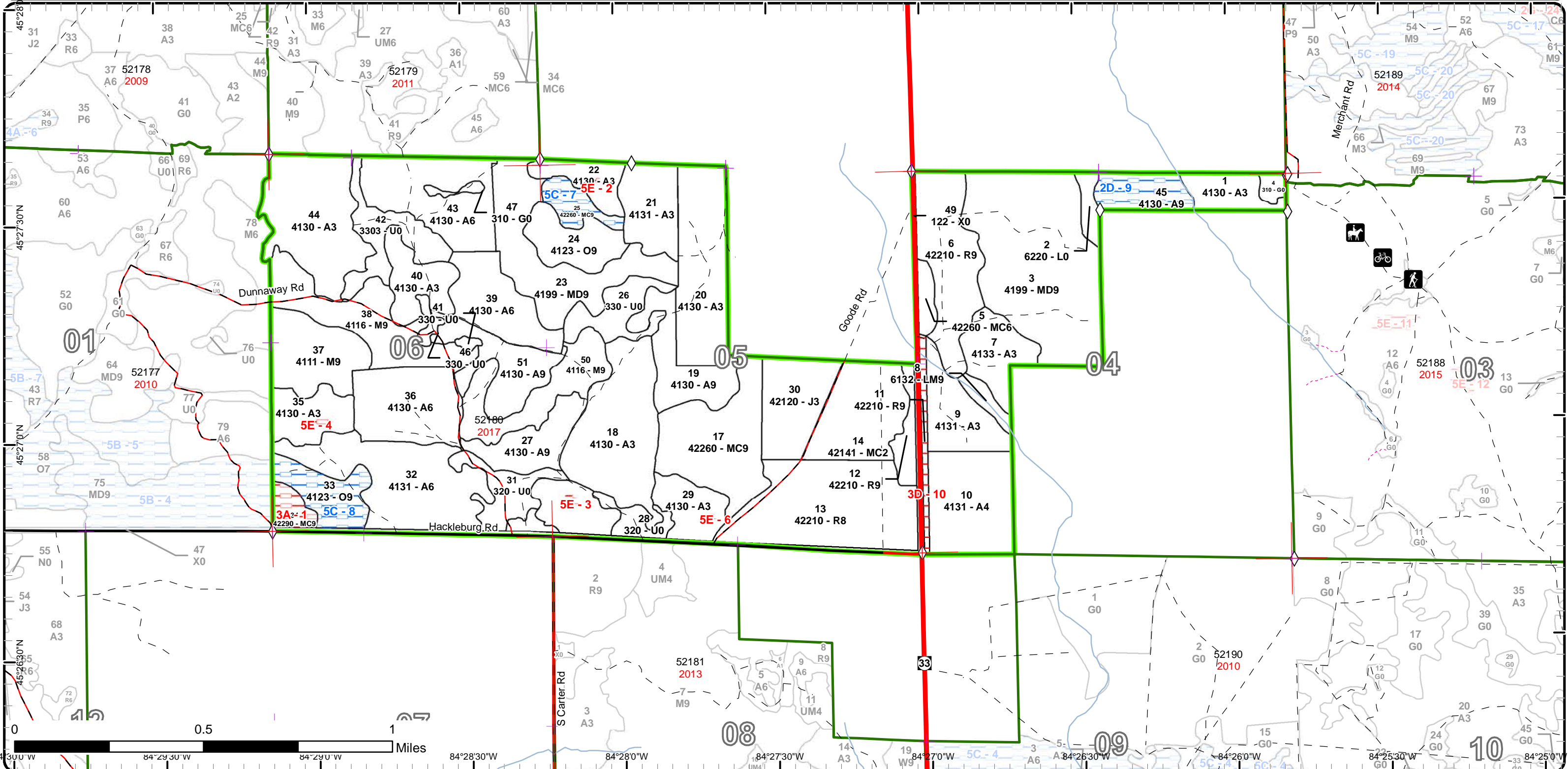


Special Conservation Areas & Site Conditions Map

Compartment: 180
 T35N,R01W, Sec. 4-6 / nT35N,R02W, Sec. 1
 County: Cheboygan
 Unit: Gaylord
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- Miris Corners
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- Bike Trails
- Hiking Trails
- Horse Trails
- Highway
- County Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3A: Potential old growth / biodiversity
- 3D: Recreational / Scenic values
- 5E: Long-Term Retention
- Stand Boundaries
- Special Conservation Areas



84°30'00" W
84°29'30" W
84°29'00" W
84°28'30" W
84°28'00" W
84°27'30" W
84°27'00" W
84°26'30" W
84°26'00" W
84°25'30" W
84°25'00" W

Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	75	132	213	0	85	0	15	0	70	0	0	0	0	0	0	0	0	590
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Jack Pine	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Low-Density Trees	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Lowland Mixed Forest	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	5
Lowland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	46	0	0	0	92	0	0	0	0	138
Natural Mixed Pines	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	62	67
Northern Hardwood	0	0	0	0	0	0	0	39	0	28	30	0	0	0	0	0	0	0	97
Oak	0	0	0	0	0	0	0	0	0	19	0	0	19	0	0	0	0	0	38
Planted Mixed Pines	0	0	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Red Pine	0	0	0	0	0	0	0	8	46	0	0	0	0	0	0	0	0	64	118
Upland Shrub	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Urban	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Total	94	75	195	213	0	85	0	62	56	163	30	0	19	92	0	0	0	126	1210



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Compartment 180

Year of Entry:

Acres of Harvest

Total Compartment Acres: 1,209

Commercial Harvest - 397
 Harvests with Site Condition - 15
 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	85	0	0	0	0	0	0	0	0	85
Mixed Upland Deciduous	46	0	63	0	0	0	0	0	0	109
Natural Mixed Pines	5	0	0	0	0	0	0	0	0	5
Northern Hardwood	64	30	0	0	0	0	0	0	0	93
Oak	0	19	0	0	0	0	0	0	0	19
Red Pine	99	0	0	0	0	0	0	0	0	99
Total	300	49	63	0	0	0	0	0	0	412

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	412	0	0	0	0	0	0	65	0	477
Next Step	0	164	105	0	0	210	517	19	0	1014
Total	412	164	105	0	0	210	517	19	65	1491



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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
3 52180003-Cut	62.9	4199 - Other Mixed Upland Deciduous	Sawtimber Well	121	111-140	Harvest	Strip/Patch/Gap Cut (Femelschlag)	412 - Oak Types	Uneven-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Group selection to create large (100' - 200') canopy gaps to regenerate oak. Harvest approximately 10% to 15% of the stand. Excessive beech regen may be a problem, monitor and treat if necessary to allow oak regeneration. Recommend cutting clones of aspen with some adjacent oak. I believe the aspen will help suppress any beech regen and oak should be able to keep up with the aspen.

Next Step
Treatments:

Acceptable Minimum stocking level of red oak, maple and aspen in the gaps.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/01/2016

5 52180005-Cut	5.3	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	78	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Clearcut all species 2" and greater.
Specs:

Next Step SitePrep, Trenching; Pesticide, Aerial; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial
Treatments:

Acceptable Well stocked RP.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/01/2016

6 52180006-CC	40.4	42210 - Natural Red Pine	Sawtimber Well	78	141-170	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Clearcut everything over 2" DBH. Leave retention in north and south parts of stand where aspen is more prevalent. Leave oak. Trench and plant to red pine. Possibly plant some oak or other mast producing tree.

Next Step SitePrep, Trenching; Pesticide, Aerial; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial
Treatments:

Acceptable Minimum stocking of red pine.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/01/2016

13 52180013-CC	59.0	42210 - Natural Red Pine	Sawtimber Medium	72	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 Clearcut everything over 2" DBH. Leave retention in island, possibly in the NW corner of the stand. Leave oak.
Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial; Planting, Initial Plant; Monitoring, Artificial Regen(1yr)
Treatments:

Acceptable Well stocked Red Pine.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/01/2016



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
19	52180019-Cut	24.7	4130 - Aspen	Sawtimber Well	85	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut all species 2" and greater. Leave oak.

Specs:

Next Step

Treatments:

Acceptable Well stocked aspen.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

23	52180023-Cut	46.4	4199 - Other Mixed Upland Deciduous	Sawtimber Well	85	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clear-cut leaving less than 10 BA of oak for mast. Leave the minor component of wp and red pine for species and size class diversity. Focus the

Specs: area retention around pockets of oak.

Next Step

Treatments:

Acceptable Medium stocked aspen, oak, and mixed northern hardwoods.

Regen:

Other When marking oak to leave, include some of the recruited pole sized stems around the larger crowned oak. Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

24	52180024-Cut	19.4	4123 - Red Oak	Sawtimber Well	85	111-140	Harvest	Group Selection	4123 - Red Oak	Uneven-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Create large (150-200ft) canopy gaps to encourage oak reproduction. Place about 1-2 gaps every 5 acres, then thin between gaps releasing the

Specs: crowns of high quality oak.

Next Step Monitoring, Natural Regen (Intermediate); Other, Other

Treatments:

Acceptable In gaps, well stocked oak, aspen, and red maple.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

26	52180026-NF	16.2	330 - Low-Density Trees	Nonstocked		1-50	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016



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
27	52180027-Cut	20.0	4130 - Aspen	Sawtimber Well	86	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**Prescription Clearcut all species 2" and greater. Leave oak.Specs:Next StepTreatments:Acceptable Well stocked aspen.Regen:Other Old next step comments:Comment:Proposed Start Date: 10/01/2016

28	52180028-NF	7.4	320 - Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription Brush, mow, plant, herbicide, and/or burn to maintain opening. Plant hard and soft mast.Specs:Next StepTreatments:AcceptableRegen:Other Old next step comments:Comment:Proposed Start Date: 10/01/2016

31	52180031-NF	15.3	320 - Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription Brush, mow, plant, herbicide and/or burn to maintain opening. Planting of hard and soft mast.Specs:Next StepTreatments:AcceptableRegen:Other Old next step comments:Comment:Proposed Start Date: 10/01/2016

37	52180037-Cut	29.5	4111 - S.Maple, Hard Mast Association	Sawtimber Well	92	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription Crop tree release, implementing 1-2 100' canopy gap per 5 acres for regeneration of hardwood species. Target residual BA of 80 sq ft / acre.Specs: Salvage all beech.Next StepTreatments:Acceptable Poor to moderate stocked northern hardwood species in gaps. Monitor beech regeneration and discuss options with TMS if it becomes the dominant seedling.Other Old next step comments:Comment:Proposed Start Date: 10/01/2016



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
38	52180038-Cut	38.6	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	68	51-80	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clear-cut 2 in and greater, leave all oak.

Specs:

Next Step

Treatments:

Acceptable Well stocked stand of aspen and mixed had species.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

41	52180041-NF	1.2	330 - Low-Density Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

42	52180042-NF	20.4	3303 - Mixed Low Density Trees	Nonstocked		1-50	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

45	52180045-Cut	15.3	4130 - Aspen	Sawtimber Well	66	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Portable Bridge Needed**

Prescription Clearcut to 2" DBH.

Specs:

Next Step

Treatments:

Acceptable Minimum stocking of aspen.

Regen:

Other Possible access from east with portable bridge or through private to the south. Old next step comments:

Comment:

Proposed Start Date: 10/01/2016



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
46	52180046-NF	2.8	330 - Low-Density Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

47	52180047-NF	1.8	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

50	52180050-CC	25.4	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	85	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut leaving retention in islands, leave oak.

Specs:

Next Step

Treatments:

Acceptable Minimum stocking of aspen, maple and oak.

Regen:

Other Monitor this stand to ensure beech regen does not dominate. Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

51	52180051-CC	25.0	4130 - Aspen	Sawtimber Well	85	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut leaving retention in islands. Leave oak.

Specs:

Next Step

Treatments:

Acceptable Minimum stocking of aspen, maple and oak.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

**Total Treatment
Acreage Proposed: 477.1**

Report 5 – Site Conditions

Gaylord Mgt. Unit
Dan Heckman : Examiner

Compartment: 180
Year of Entry: 2017

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		2D	5C	2G	3A	3D	5E	
590	571	15	3	Aspen	15						3
5	5	0	0	Herbaceous Openland							
28	28	0	0	Jack Pine							
41	41	0	0	Low-Density Trees							
5	5	0	0	Lowland Mixed Forest							
6	6	0	0	Lowland Shrub							
139	109	0	29	Mixed Upland Deciduous			29				
68	51	10	7	Natural Mixed Pines		10		7			
97	97	0	0	Northern Hardwood							
38	19	19	0	Oak		19					
35	35	0	0	Planted Mixed Pines							
119	109	0	10	Red Pine					6	4	
23	23	0	0	Upland Shrub							
19	19	0	0	Urban							
1,209	1,117	43	49	Total Forested Acres	15	28	29	7	6	7	
	92%	4%	4%	Relative Percent							

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3A: Potential old growth / biodiversity	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stand may meet type 1 or 2 old growth standards.							
2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Gaylord Mgt. Unit
Dan Heckman : Examiner

Compartment: 180
Year of Entry: 2017

4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	2D: Portable Bridge Needed (Dept. bridge will be adequate)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3D: Recreational / Scenic values	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Gaylord Mgt. Unit
Dan Heckman : Examiner

Compartment: 180
Year of Entry: 2017

11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 6 – 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

Mgt. Unit

Compartment:

Year of Entry



Report 7 – 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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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Sapling Well	13.2	7	Immature	Good looking regeneration.
3	4199 - Other Mixed Upland Deciduous	Sawtimber Well	92.2	121	111-140	Some good looking, large oak. Some decent maple stems. Beech scale is present in this stand. There are a few small clones of log/pole size aspen in the north part of the stand.
5	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	5.3	78	81-110	Significant mortality of jack pine. Some very large red pine in this stand. PARVHa.
6	42210 - Natural Red Pine	Sawtimber Well	40.4	78	141-170	Red pine looks healthy. Jack pine is starting to die. The aspen is mostly in the north and south parts of the stand. PARVHa.
7	4133 - Aspen, Mixed Pine	Sapling Well	19.6	18	Immature	Oak and white pine were not cut during last harvest. Nice mixed stand.
8	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	4.9	71	51-80	THIS IS A NARROW DRAINAGE AT THE BASE OF A FAIRLY STEEP SLOPE.
9	4131 - Aspen, Oak	Sapling Well	22.7	18	Immature	
10	4131 - Aspen, Oak	Poletimber Poor	38.9	28	51-80	
11	42210 - Natural Red Pine	Sawtimber Well	6.0	77	201+	OPIC - FMD: STAND WAS LEFT AS A BUFFER WHEN STANDS #9 AND #10 WERE CUT. CONTINUE TO MANAGE AS A BUFFER ZONE. ASPEN WILL EVENTUALLY DIE OUT. THE WHITE PINE UNDERSTORY WILL SOON DOMINATE.
12	42210 - Natural Red Pine	Sawtimber Well	7.9	67	81-110	OPIC - FMD: THIS SHOULD BE MANAGED AS A TRAVEL INFLUENCE BUFFER ZONE.
13	42210 - Natural Red Pine	Sawtimber Medium	64.4	72	111-140	STAND WAS TREATED IN 1998 BY REMOVING EVERYTHING EXCEPT RED PINE, WHITE PINE AND OAK. PARVHa.
14	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Medium	35.1	17	1-50	Aspen and volunteer jack pine are out competing the red pine in a lot of the stand.
17	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	45.9	67	81-110	Very mixed stand of mixed pine and oak, with a small component of aspen. This stand has various age and size classes of all species listed. There is an area on the eastern edge of the stand that is heavier to red and white pine with a very dense wp understory. The stand contains many large diameter red and white pine around 20 - 24" DBH that is 100+ years old.... none meeting legacy tree specifications though.
18	4130 - Aspen	Sapling Well	52.5	27	Immature	OAK RESIDUAL IS WIDELY SCATTERED, EXCEPT IN ONE AREA ALONG THE EASTERN EDGE OF THE STAND WHERE IT APPROACHES 40 SQFT / ACRE, ALONG WITH MORE PINE RESIDUAL AS WELL. A WILDFIRE IN 2000 BURNED INTO THE SOUTHERN EDGE OF THIS STAND.



Stand	Gaylord Mgt. Unit		Report 8 – Forested Stands			Compartment: 180 Year of Entry: 2017
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	4130 - Aspen	Sawtimber Well	24.7	85	111-140	Quality and health is rapidly declining, need to treat this YOE to ensure adequate regeneration.
20	4130 - Aspen	Sapling Well	44.9	27	Immature	OPIC - FMD: SOME WIDELY SCATTERED OAK WERE MARKED TO LEAVE.
21	4131 - Aspen, Oak	Sapling Well	22.0	17	Immature	Regeneration has filled in nicely from clear-cut with reserves (oak was left) that was completed in 1999. Oak that was harvested has also regenerated well. There are a couple of sparse areas that are still filling in.
22	4130 - Aspen	Sapling Well	12.9	7	Immature	Stand was clearcut as part of 52-134-07-01. Regen looks great, well stocked stand about 10-20 Ft tall now.
23	4199 - Other Mixed Upland Deciduous	Sawtimber Well	46.4	85	81-110	This stand has beech bark disease in it. The aspen is rapidly declining. There is also a thick beech understory in many areas.
24	4123 - Red Oak	Sawtimber Well	19.4	85	111-140	This stand has some nice quality oak without a real heavy Understory of beech. There are varying sizes of oak sawlogs and large poles.
25	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	9.6	61	111-140	Uneven aged stand of mixed pine, dominated by wp. All size classes represented in this stand. Dominant age reflects the majority of the wp in the log size class.
27	4130 - Aspen	Sawtimber Well	20.0	86	Unspecified	Aspen is mature / over mature and beginning to decline. TWO MIMS PLOTS ARE LOCATED IN THIS STAND. Previous comment: WOULD SUGGEST WE NOT HARVEST THIS STAND SO AS TO NOT DISTURB THESE RESEARCH PLOTS. LEAVING A BUFFER AROUND EACH PLOT WOULD ELIMINATE MUCH OF THE POTENTIAL HARVEST AREA.
29	4130 - Aspen	Sapling Well	31.5	7	Immature	Stand was clearcut as part of 52-134-07-01. Regen looks good, a few sparse areas still filling in.
30	42120 - Planted Jack Pine	Sapling Well	27.5	17	1-50	
32	4131 - Aspen, Oak	Poletimber Well	57.4	47	51-80	OAK AND NORTHERN HARDWOODS WERE LEFT AS RESIDUAL WHEN THIS STAND WAS CUT IN 1969.
33	4123 - Red Oak	Sawtimber Well	18.6	116	111-140	High quality NRO. OPIC - FMD: EASTERN PORTION OF THE STAND HAD SOME MATERIAL REMOVED DURING THE 1969 HARVEST OF STAND #32.
34	42290 - Natural Mixed Pine	Sawtimber Well	6.8	125	111-140	Many Red Pine and white pine in the 20-26" size classes. small stand along Hackleburg rd.
35	4130 - Aspen	Sapling Well	17.5	7	Immature	Stand was clearcut as part of 52-134-07-01. Regen looks great, well stocked stand. Old rr grade bisects the stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	4130 - Aspen	Poletimber Well	35.1	27		
37	4111 - S.Maple, Hard Mast Association	Sawtimber Well	29.5	92	111-140	Decent quality northern hardwood stand, however lots of multi stemmed trees. Beech bark disease is present in this stand.
38	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	38.7	68	51-80	THIS IS A MIX OF HARDWOODS AND ASPEN OF VARYING QUALITY. Most of the hardwood is poor quality, aspen is beginning to decline.
39	4130 - Aspen	Poletimber Well	27.8	44	81-110	OPIC - FMD: STAND WAS HARVESTED IN 1972. Appears that areas heavy to aspen were clear-cut, areas heavier to hardwood were left. The aspen regen from that harvest is now 6-8 in dbh. most of the older hardwood and aspen is around the perimeter of the stand. Central and eastern parts of the stand are sparsely stocked with merchantable timber, lots of ironwood.
40	4130 - Aspen	Sapling Well	18.0	18	Immature	Well stocked aspen regen from harvest 2 entries ago.
43	4130 - Aspen	Poletimber Well	41.2	27	Unspecified	Some pockets of significant self thinning with many aspen snags standing and on the ground.
44	4130 - Aspen	Sapling Well	49.5	17	Immature	There are a few small valleys in this stand that hold some moisture- these areas are sparsely stocked and dominated by rubus spp. Oak is a combination of regeneration and residual from the harvest.
45	4130 - Aspen	Sawtimber Well	15.3	66	81-110	OPIC - FMD: BRIAN WAS CONCERNED ABOUT THE NORTH/SOUTH SEASONAL DRAINAGE FROM THE STANDPOINT OF RUTTING ECT. BECAUSE OF THIS WE AGREED TO ONLY HARVEST THAT PORTION OF STAND #1 LYING ON THE EAST SIDE OF THE DRAINAGE. THIS STAND WAS CREATED AS A RESULT OF THAT DECISION AND WILL NOT BE HARVESTED AT THIS TIME. POSSIBLY IF WE PURCHASE THE RANCH PROPERTY TO THE SOUTH WE COULD HARVEST THIS ISOLATED STAND AT A LATER DATE.
50	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	28.4	85	81-110	Poor quality hardwood, aspen is beginning to decline. Beech scale present.
51	4130 - Aspen	Sawtimber Well	25.0	85	111-140	Some poor quality hardwood in this stand. Aspen is showing signs of old age.



Stand	Cover Type	Acres	Managed Site	General Comments:
2	6220 - Alder/willow	5.6	No	Wet. Some cattail in places. Sparse sapling size paper birch, black ash and balsam poplar as well as some tag alder and willow.
4	310 - Herbaceous Openland	3.3	No	NATURAL GRASS OPENING.
26	330 - Low-Density Trees	16.2	No	OPIC - FMD: SEMI-OPEN GRASS STAND WITH QUITE A BIT OF OPEN GROWN HARDWOODS THROUGHOUT.
28	320 - Upland Shrub	7.4	No	OPIC - FMD: A WILDFIRE BURNED THIS STAND FIVE YEARS AGO.
31	320 - Upland Shrub	15.3	No	OPIC - FMD: COULD HAVE BEEN AN OLD LOGGING CAMP. SEVERAL APPLE TREES OCCUR WITHIN THE OPENING AND A NARROW GAUGE RAILBED LEADS FROM IT TO THE WEST. A MICROWAVE RADIO TOWER IS CURRENTLY LOCATED WITHIN THIS STAND UNDER AN EASEMENT AGREEMENT.
41	330 - Low-Density Trees	1.2	No	
42	3303 - Mixed Low Density Trees	20.4	No	Open grown hardwood species, a few clones of aspen, and a pocket of large red and white pine in the SW corner.
46	330 - Low-Density Trees	2.8	No	
47	310 - Herbaceous Openland	1.8	No	
49	122 - Road/Parking Lot	18.7	No	M-33