



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52186

Entry Year 2017

Acreage: 2,146

County Cheboygan

Management Area: Cheboygan Basin Moraines

Revision Date: 2015-09-23

Stand Examiner: John Scheele

Legal Description:

T35 - R1W Sections 21-24

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, production, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan. Specific planning goal is to introduce age class diversity by strategically establishing younger age aspen stands throughout the compartment.

Soil and topography:

This compartment is mostly flat with some rolling hills and valleys. Most of the hilly terrain is concentrated in the west half of the compartment. The upland portions of sections 21 and 22 are dominated by the Rubicon series of soils which formed in sandy deposits and are deep, excessively drained soils on outwash plains and moraines. The lowland area and drainages are dominated by soils of the Tawas series. These soils formed in well decomposed organic material over sand. They are deep, very, poorly drained and exist in depressions on outwash plains. the reminder of the compartment contains soils of the Cheboygan series. These soils formed in sandy and loamy glacial deposits and are moderately deep to dense till with permeability decreasing with increased concentrations of loamy material.

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

This compartment is on the south end of a large block of solid state ownership. There are a few scattered private parcels to the west and southeast of the compartment which are full time residences and farms.

Unique Natural Features:

Wood Turtle has been documented in the eastern part of the compartment.

Archeological, Historical, and Cultural Features:

One archaeological site is located outside of the compartment in section 26. There is no concerns.

Special Management Designations or Considerations:

A Special Conservation Area has been nominated for the Stoney Creek Campground located in Section 21. This compartment is also part of the Lee Grand Aspen Management Project (Compartments 186, 187, 188, and 189) . The project purpose is to introduce age class diversity by establishing younger age aspen stands of various sizes.

Watershed and Fisheries Considerations:

This compartment contains a portion of Stony Creek, a tributary to Milligan Creek within the Black River watershed. The standard 100 foot no-clearcut buffer should be maintained adjacent to the stream in 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 ice-contact outwash sand and gravel and coarse-textured till. The glacial drift thickness varies between 10 and 100 feet. The Devonian Traverse Group subcrops below the glacial drift. The Traverse is quarried for cement products and stone two miles to the southwest. A gravel pit is located in Section 21. Glacial cover appears to be thin in this area. I believe sand and gravel potential is probably limited. The nearest oil and gas production, the Niagaran Reef Trend, is located 12 miles to the south. Currently, none of the land within the compartment is under lease, and there is no anticipation of leasing activity in this area in the near future.

Vehicle Access:

Access to the western part of the compartment is good via Stoney Creek Road, which is a county road. The east half of the compartment has poor access due to current beaver activity and culvert failures along the existing state access road.

Survey Needs:

No survey needs required.

Recreational Facilities and Opportunities:

Stoney Creek Campground is located in Section 21 of the compartment. Portions of the Midland to Mackinaw Hiking Trail, the Michigan Shore to Shore Horse Trail and the Michigan Cross Country Cycle Trail are located in the west portion of the compartment.

Fire Protection:

There is low to minimal concerns regarding wildfire potential. Stoney Creek Campground poses a small risk for wildfire potential.

Additional Compartment Information:

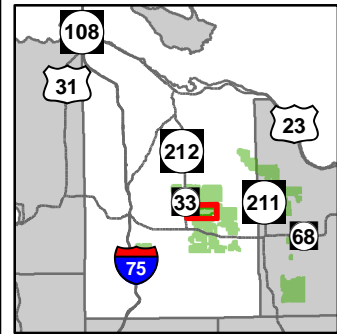
The following reports from the Inventory are attached:

- 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:

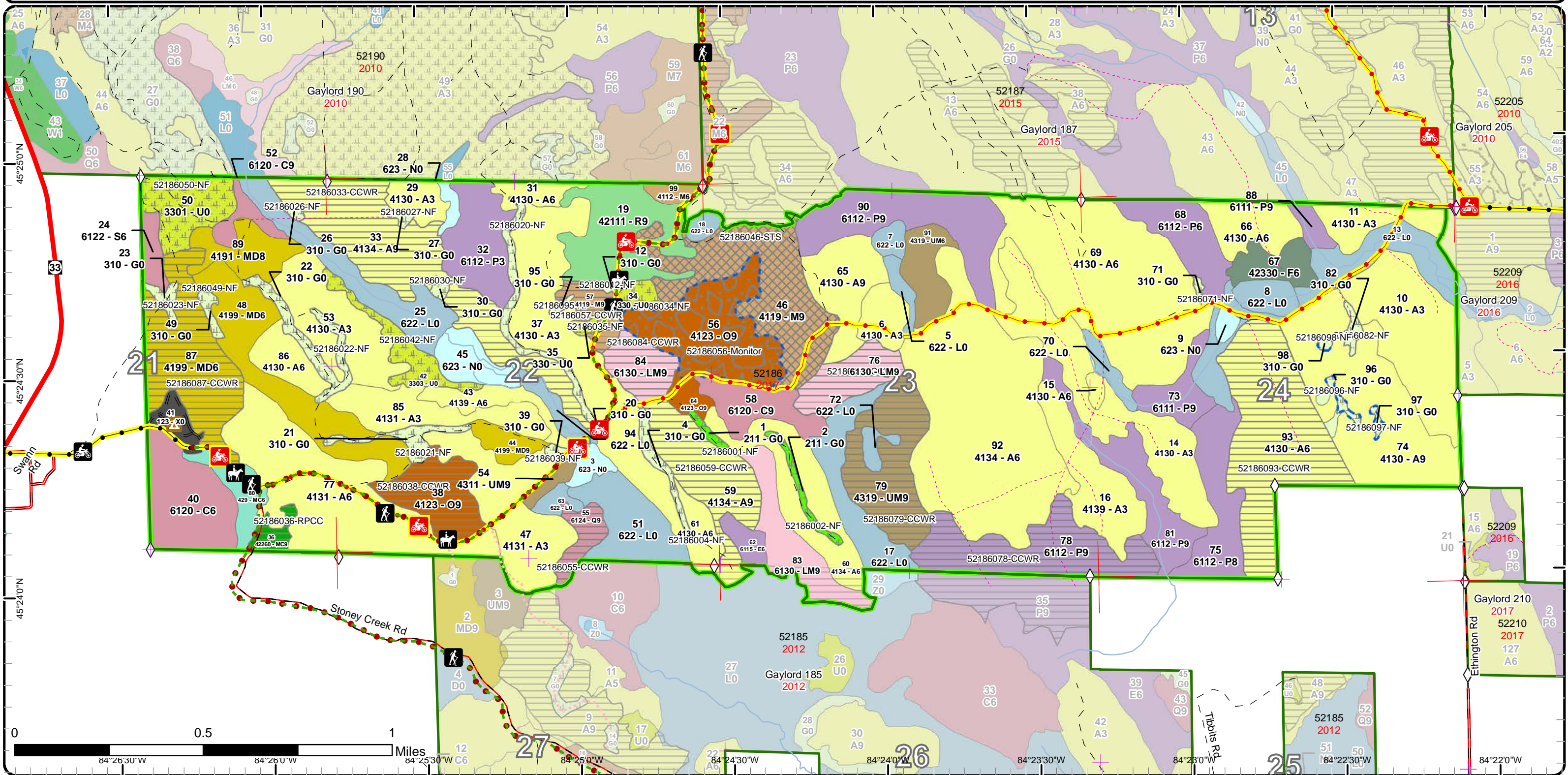
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map



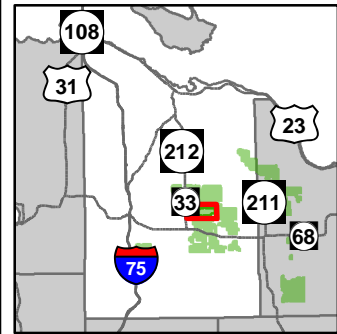
Compartment: 186
 T35N,R01W, Sec. 21-24
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Cheboygan Basin Moraines
 YOE: 2017
 Acres: 2146 GIS Calculated
 Examiner: John Scheele
 Map Revised: 3/24/2016
 Map Phase: Post-Review

- Miris Corners
- Remonumented Section Corners
- ◇ Field Grade GPS Corners
- 🏍 Motorcycle Trails (SOS License)
- 🏍 Motorcycle Trails (DNR License)
- 🚶 Hiking Trails
- 🐎 Horse Trails
- 🚲 MCCCT Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Equestrian Trails
- ORV License & Trail Permit
- ORV License
- Michigan Cross Country Cycle Trail (MCCCT)
- 🌉 Culverts
- 🏕 Campground
- 🛣 Highway
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Rivers
- ▭ Compartment Boundary
- Treatments with Site Conditions (pd)
- ▭ Treatments with Site Conditions
- ▭ Selection (Group, Single Tree)
- ▭ Clearcut (w/Reserves)
- ▭ Other Treatment - See Comments
- ▭ Regeneration Survey
- Forest Covertype
- ▭ 411 - Northern Hardwood
- ▭ 412 - Oak Types
- ▭ 413 - Aspen
- ▭ 419 - Mixed Upland Deciduous
- ▭ 421 - Planted Pines
- ▭ 422 - Natural Pines
- ▭ 423 - Other Upland Conifers
- ▭ 429 - Mixed Upland Conifers
- ▭ 430 - Upland Mixed Fores
- ▭ 611 - Lowland Deciduous Forest
- ▭ 612 - Lowland Coniferous Forest
- ▭ 613 - Lowland Mixed Forest
- Non-Forest Covertype
- ▭ 123 - Other High Intensity Urban
- ▭ 211 - Cropland
- ▭ 310 - Herbaceous Openland
- ▭ 330 - Low Density Trees
- ▭ 622 - Lowland Shrub
- ▭ 623 - Emergent Wetland
- ▭ Lakes

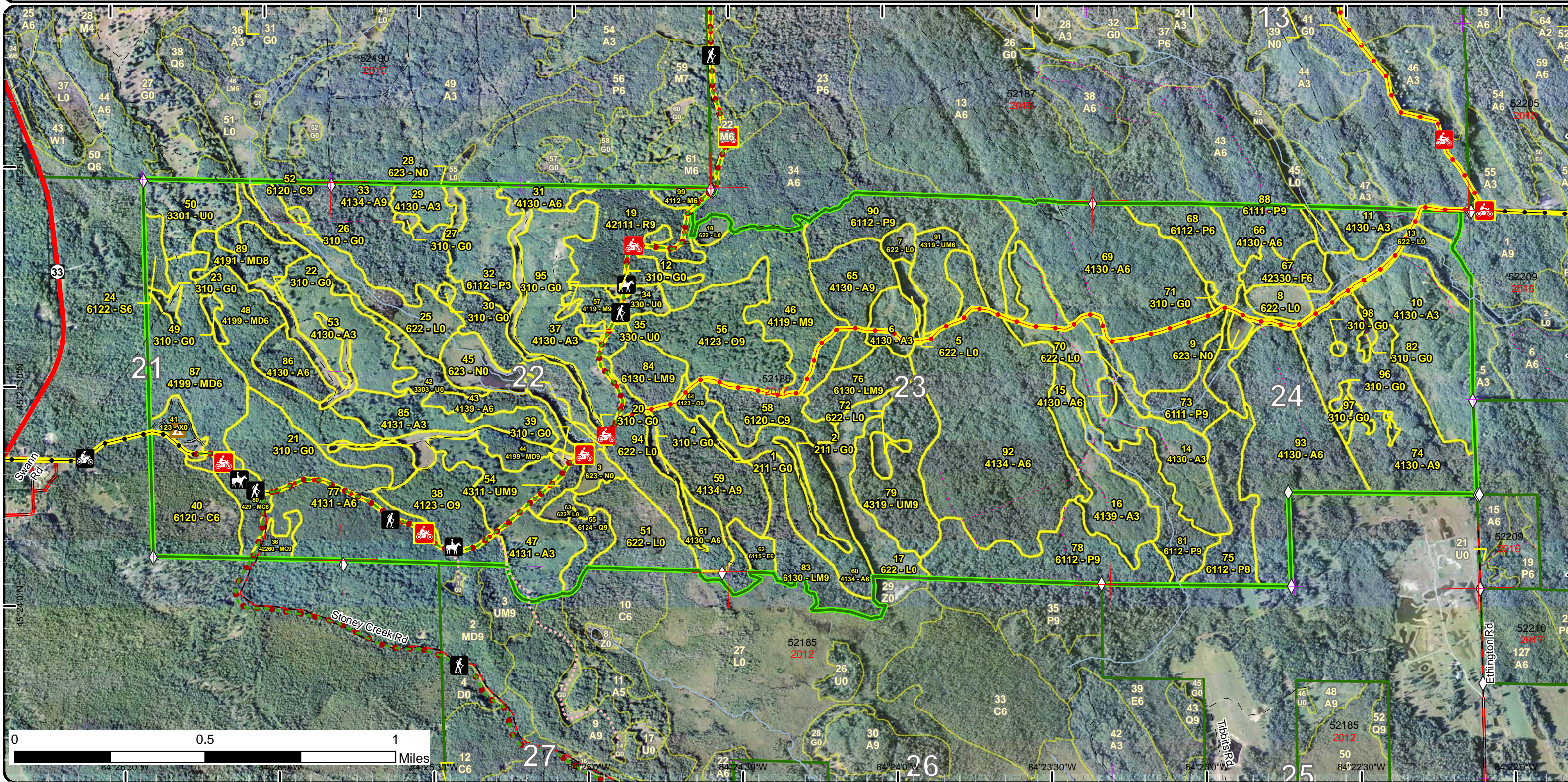


Stand Boundary Map

Compartment: 186
 T35N,R01W, Sec. 21-24
 County: Cheboygan
 Unit: Gaylord
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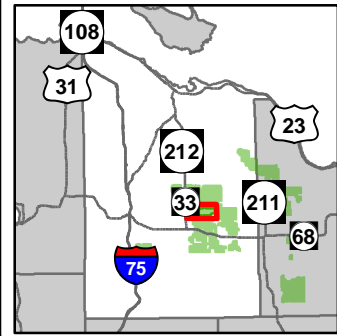


- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Motorcycle Trails (SOS License)
- Motorcycle Trails (DNR License)
- Hiking Trails
- Horse Trails
- MCCCT Trails
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- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
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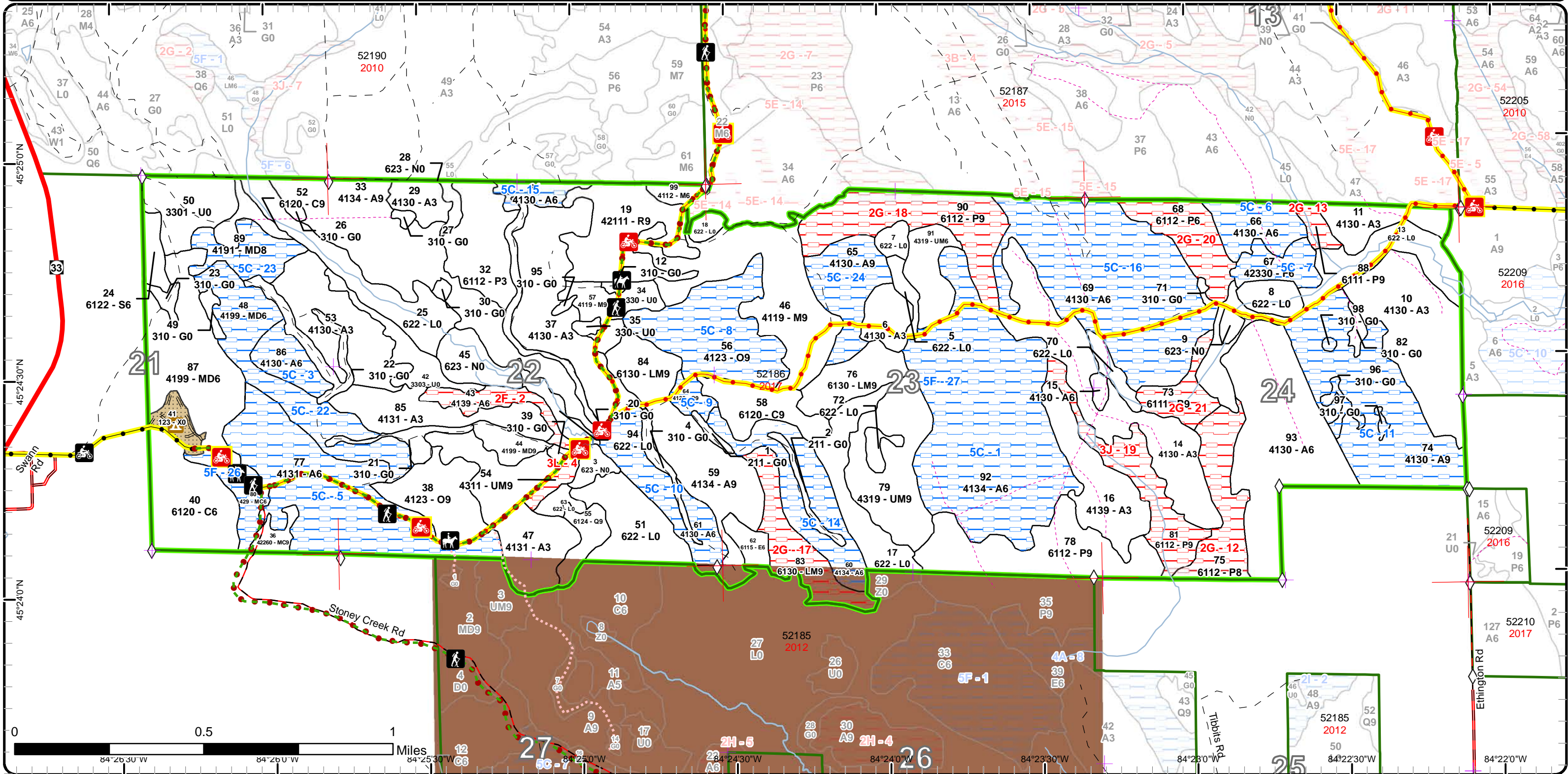


Special Conservation Areas & Site Conditions Map

Compartment: 186
 T35N,R01W, Sec. 21-24
 County: Cheboygan
 Unit: Gaylord
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- - - County Poor Dirt Roads
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- - - Closed Roads
- Rivers
- Compartment Boundary
- ▨ SCA
- Available w/ Constraints
- - - Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- Special Conservation Areas
- Cold Water Streams
- ▨ Wildlife Management Areas



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	339	0	0	0	0	620	0	0	0	110	0	0	0	0	0	0	0	1069
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	44	0	19	0	0	0	63
Cropland	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Herbaceous Openland	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Low-Density Trees	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
Lowland Aspen/Balsam Poplar	0	28	0	0	0	0	52	23	14	103	0	0	0	0	0	0	0	0	220
Lowland Conifers	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
Lowland Deciduous	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Mixed Forest	0	0	0	0	0	0	0	16	0	0	45	0	0	0	0	0	0	0	61
Lowland Shrub	163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	163
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7
Marsh	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Mixed Upland Deciduous	0	0	0	0	0	0	0	25	51	0	0	45	0	0	0	0	0	0	121
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
Northern Hardwood	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	71	75
Oak	0	0	0	0	0	0	0	0	0	26	55	0	0	0	0	0	0	0	81
Red Pine	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0	41
Upland Conifers	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	12
Upland Mixed Forest	0	0	0	0	0	0	16	0	0	0	46	0	0	0	0	0	0	0	62
Upland Spruce/Fir	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	13
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	298	367	0	0	0	0	747	64	94	133	261	45	44	0	19	0	0	71	2143



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Compartment 186

Year of Entry:

Acres of Harvest

Total Compartment Acres: 2,146

Commercial Harvest - 485
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	183	0	0	0	0	0	0	0	0	183
Lowland Aspen/Balsam Poplar	47	0	0	0	0	0	0	0	0	47
Lowland Conifers	9	0	0	0	0	0	0	0	0	9
Lowland Mixed Forest	35	0	0	0	0	0	0	0	0	35
Mixed Upland Deciduous	51	0	0	0	0	0	0	0	0	51
Natural Mixed Pines	5	0	0	0	0	0	0	0	0	5
Northern Hardwood	10	61	0	0	0	0	0	0	0	71
Oak	26	0	0	0	0	0	0	0	0	26
Upland Mixed Forest	57	0	0	0	0	0	0	0	0	57
Total	424	61	0	0	0	0	0	0	0	485

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	485	0	0	0	0	0	49	0	100	634
Next Step	0	0	0	0	0	0	485	0	0	485
Total	485	0	0	0	0	0	534	0	100	1119



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	52186001-NF	1.9	211 - Cropland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

2	52186002-NF	3.9	211 - Cropland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

4	52186004-NF	5.1	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, burn and/or herbicide 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

12	52186012-NF	1.1	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, burn, and/or herbicide to maintain openings. 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
20	52186020-NF	8.8	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

21	52186021-NF	6.5	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, burn, and/or herbicide 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

22	52186022-NF	11.1	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, burn and/or herbicide 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

23	52186023-NF	2.8	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, burn, and/or herbicide to maintain opening. Planting of hard/soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
26	52186026-NF	1.2	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

27	52186027-NF	1.3	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

30	52186030-NF	1.3	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

33	52186033-CCWR	70.9	4134 - Aspen, Spruce/Fir	Sawtimber Well	91	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Do not cut cedar. Leave a 100 feet 'no clear cut' area from the center of the stream along the west edge of the stand. This area can be identified as the stand retention area. Also include a 'no clear cut' area along the small stream coming from Stand 28. Keep harvesting equipment out of the lowland areas. Do not put landing in wildlife opening. Do not cut any trees with recreation trail markers, protect all trail sign post, and post 'logging activity' warning signs where necessary during harvest.

Next Step

Treatments:

Acceptable Acceptable regeneration includes a moderate to well-stocked mix of aspen and coniferous species.

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
34	52186034-NF	6.0	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, burn, and/or herbicide 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

35	52186035-NF	1.6	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, burn, and/or herbicide 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

36	52186036- RPCC	5.3	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	91	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Final harvest Red Pine. Mark some Red and White Pine to leave. No retention due to small stand size. Do not cut any trees with recreation trail markers, protect all trail sign post, and post 'logging activity' warning signs where necessary during harvest.

Specs:

Next Step

Treatments:

Acceptable Acceptable regeneration includes a moderate to well-stocked mix of aspen and deciduous species.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

38	52186038- CCWR	26.3	4123 - Red Oak	Sawtimber Well	81	81-110	Harvest	Clearcut with Retention	412 - Oak Types	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Mark 30 - 40 BA of oak to leave. Concentrate leave trees in clumps or individual trees with the largest crowns.

Specs: Also leave any White Pine or Red Pine. Uncut areas on the steep south-facing slope can act as stand retention. Do not cut any trees with recreation trail markers, protect all trail sign post, and post 'logging activity' warning signs where necessary during harvest.

Next Step

Treatments:

Acceptable Acceptable regeneration includes a moderate to well-stocked mix of oak and deciduous species.

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
39	52186039-NF	1.2	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

42	52186042-NF	13.3	3303 - Mixed 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, burn and/or herbicide 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

46	52186046-STS	60.6	4119 - Mixed Northern Hardwoods	Sawtimber Well	71	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Mark stand to 60 -70 residual BA. Cut all aspen and beech. Expand regeneration gaps around aspen clones when possible. Do not cut any oak and mark some beech to leave for mast. Mark those beech which are free of beech bark disease if any. Post 'logging activity' warning signs where necessary during harvest.

Specs:

Next Step

Treatments:

Acceptable Acceptable regeneration includes a moderate to well-stocked mix of deciduous species.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

49	52186049-NF	2.4	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, burn, and/or herbicide to maintain opening. Planting of hard/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
50	52186050-NF	23.0	3301 - Low Density Deciduous Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

55	52186055- CCWR	9.4	6124 - Lowland Spruce-Fir	Sawtimber Well	71	Unspec ified	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Leave White Pine. Put retention in northwest part of stand around the very large diameter White pine with the broken top.

Specs:

Next Step

Treatments:

Acceptable

Acceptable regeneration includes a moderate to well-stocked mix of aspen and coniferous species.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

56	52186056- Monitor	48.8	4123 - Red Oak	Sawtimber Well	91	51-80	Monitoring	Natural Regen (Intermediate)	412 - Oak Types	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Age-Class or Site Quality**

Prescription Regeneration survey during inventory.

Specs:

Next Step

Treatments:

Acceptable

Well stock level of oak and deciduous species.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

57	52186057- CCWR	10.2	4119 - Mixed Northern Hardwoods	Sawtimber Well	91	81-110	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut stand to regenerate. Leave all pole-sized oak for future retention and mast trees. Mark 10 - 20 BA of log-sized oak to leave. Do not cut any blue marked trees on Hiking/ORV recreation trail. Do not cut any trees with recreation trail markers, protect all trail sign post, and post 'logging activity' warning signs where necessary during harvest.

Specs:

Next Step

Treatments:

Acceptable

Acceptable regeneration includes a moderate to well-stocked mix of oak and deciduous species.

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
59	52186059-CCWR	35.4	4134 - Aspen, Spruce/Fir	Sawtimber Well	91	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Harvest stand to regenerate. Leave oak, White Pine, and cedar. Put retention area along west side of stand to protect drainage/stream. Put another retention area in center of stand around a pocket of low canopy closure that has full regeneration under it. Do not put landing in center of wildlife opening. Post 'logging activity' warning signs where necessary during harvest.											
<u>Specs:</u>											
<u>Next Step Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well-stocked mix of aspen and coniferous species.											
<u>Other Comment:</u> Old next step comments:											
<u>Proposed Start Date:</u> 10/01/2016											
71	52186071-NF	1.0	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Brush, mow, plant, burn, and/or herbicide to maintain opening. Planting of hard/soft mast.											
<u>Specs:</u>											
<u>Next Step Treatments:</u>											
<u>Acceptable Regen:</u>											
<u>Other Comment:</u> Old next step comments:											
<u>Proposed Start Date:</u> 10/01/2016											
76	52186076-CCWR	19.4	6130 - Fir, Aspen, Maple	Sawtimber Well	96	Unspec ified	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Harvest stand to regenerate. No cut oak. Put a 100 foot retention/protection area in east part of stand adjacent to the stream. Do not cut any trees with recreation trail markers, protect all trail sign post, and post 'logging activity' warning signs where necessary during harvest.											
<u>Specs:</u>											
<u>Next Step Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well-stocked mix of deciduous and coniferous species.											
<u>Other Comment:</u> Old next step comments:											
<u>Proposed Start Date:</u> 10/01/2016											
78	52186078-CCWR	47.3	6112 - Lowland Aspen	Sawtimber Well	50	Unspec ified	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Harvest stand to regenerate. Maintain a 100 foot 'no clear cut' area from the center of the streams. Cut between May 1 and October 1 to minimize potential rutting problems. Add stand 35 of Compartment 185 to the sale. Post 'logging activity' warning signs where necessary during harvest.											
<u>Specs:</u>											
<u>Next Step Treatments:</u>											
<u>Acceptable Regen:</u> Acceptable regeneration includes a moderate to well-stocked mix of aspen and coniferous species.											
<u>Other Comment:</u> Old next step comments:											
<u>Proposed Start Date:</u> 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
79	52186079- CCWR	40.9	4319 - Mixed Upland Forest	Sawtimber Well	91	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Leave a 100 foot retention/protection area from the edge of the stream along the western part of the stand. Post
Specs: 'logging activity' warning signs where necessary during harvest.

Next Step
Treatments:

Acceptable Acceptable regeneration includes a moderate to well-stocked mix of aspen and coniferous species.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/01/2016

82	52186082-NF	2.4	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, burn, and/or herbicide to maintain opening. Planting of hard/soft mast.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/01/2016

84	52186084- CCWR	15.5	6130 - Fir, Aspen, Maple	Sawtimber Well	61	Unspec ified	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. Leave oak and cedar. Put retention/protection area along west edge of stand around drainage. Post 'logging
Specs: activity' warning signs where necessary during harvest.

Next Step
Treatments:

Acceptable Acceptable regeneration includes a moderate to well-stocked mix of aspen and coniferous species.
Regen:

Other Old next step comments:
Comment:

Proposed Start Date: 10/01/2016

87	52186087- CCWR	50.9	4199 - Other Mixed Upland Deciduous	Poletimber Well	71	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Harvest stand to regenerate. No cut White and Red Pine in south part of stand along Stoney Creek Road. Leave a retention area around the
Specs: campground sites. Mark some individual oak trees to leave as well some clumps of 2 to 3 oaks to leave. Also leave all pole-sized oaks. Do not
cut any trees with recreation trail markers, protect all trail sign post, and post 'logging activity' warning signs where necessary during harvest.

Next Step
Treatments:

Acceptable Acceptable regeneration includes a moderate to well-stocked mix of aspen and deciduous species.
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
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91	52186091-Cut-SBW	16.2	4319 - Mixed Upland Forest	Poletimber Well	51	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	Draft Proposal
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Habitat Cut: No

Site Condition:

Prescription Salvage clear cut. Cut all species 2" dbh and greater. Retain under-represented species (if found). No retention due to salvage prescription.
Specs:

Next Step
Treatments:

Acceptable Regen: Acceptable regeneration will meet minimum stocking requirements for aspen. Mixed hardwood and softwood will be acceptable at any density.

Other Comment: Old next step comments:

Proposed Start Date: 10/01/2016

93	52186093-CCWR	76.8	4130 - Aspen	Poletimber Well	56	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Harvest stand to regenerate. Expand treatment boundary to the west into lower ground where possible and leave retention pocket around the
Specs: low pocket in south part of the stand. Cut in dry summer or frozen winter.

Next Step
Treatments:

Acceptable Regen: Acceptable regeneration includes a moderate to well stocked mix of Aspen

Other Comment: Barbed-wire fence in middle of stand running east to west. Best access is from the south through private. Access from the north will require a lot of road work. Old next step comments:

Proposed Start Date: 10/01/2016

95	52186095-NF	0.9	310 - Herbaceous Openland	Nonstocked	0	Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

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

Next Step
Treatments:

Acceptable Regen:

Other Comment: Old next step comments:

Proposed Start Date: 10/01/2016

96	52186096-NF	1.8	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition: Age-Class or Site Quality

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

Next Step
Treatments:

Acceptable Regen:

Other Comment: Old next step comments:

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
97	52186097-NF	1.0	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No **Site Condition: Age-Class or Site Quality**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

98	52186098-NF	0.7	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No **Site Condition: Age-Class or Site Quality**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

**Total Treatment
Acreage Proposed: 634.1**

Report 5 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 186
Year of Entry: 2017

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions						
		With Condition				5C	5F	2F	2G	3J	3L	
1069	531	525		12	Aspen	512	13	12				
63	63	0		0	Cedar							
6	6	0		0	Cropland							
52	47	5		0	Herbaceous Openland	5						
44	44	0		0	Low-Density Trees							
222	76	0		146	Lowland Aspen/Balsam Poplar	0			117	29		
9	9	0		0	Lowland Conifers							
6	6	0		0	Lowland Deciduous							
60	35	0		25	Lowland Mixed Forest				25			
163	163	0		0	Lowland Shrub	0						
7	7	0		0	Lowland Spruce/Fir							
25	25	0		0	Marsh							
122	59	63		0	Mixed Upland Deciduous	63						
5	5	0		0	Natural Mixed Pines							
75	75	0		0	Northern Hardwood							
81	26	55		0	Oak	55						
41	41	0		0	Red Pine							
12	0	12		0	Upland Conifers		12					
62	57	0		5	Upland Mixed Forest							5
13	0	13		0	Upland Spruce/Fir	13						
8	8	0		0	Urban							
2,146	1,285	673		188	Total Forested Acres	647	26	12	142	29		5
	60%	31%		9%	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	120	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments:							
Evaluated for SBW Salvage. Declined due to amount of prescribed harvesting activity in this compartment. The aspen will be ready for harvesting during next cycle.							

Report 5 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 186
Year of Entry: 2017

2	Unavailable	2F: Too steep	12	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3L: Other wildlife concerns	5	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Wildlife habitat/corridor.							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	83	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW salvage. Smaller sized acreage and difficult access to stand make it undesirable for management at this time.							

Report 5 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 186
Year of Entry: 2017

8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Decided at pre-review to delay treatment until next YOЕ.							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	80	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Gaylord Mgt. Unit

John Scheele : Examiner

Compartment: 186

Year of Entry: 2017

14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	33	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW Salvage. Declined due to low merchantability of balsam fir and desire to let aspen mature further until management occurs.							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	109	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	46	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	29	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 186
Year of Entry: 2017

20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Decided during pre-review to delay treatment until next YOE.							
26	Available	5F: Evaluated for Forest Health Considerations	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand will likely be harvested during the next cycle. Evaluated for SBW Salvage but the stand is a good candidate to hold to grow. The BF is hardly merchantable and will be more marketable in the next inventory cycle.							

Report 5 – Site Conditions

Gaylord Mgt. Unit
John Scheele : Examiner

Compartment: 186
Year of Entry: 2017

27	Available	5F: Evaluated for Forest Health Considerations	13	Unspecified	Unspecified	Unspecified	Unspecified
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Comments:

There are a lot of harvests taking place in this compartment. It was decided at review to leave this stand for another entry to maintain age class diversity. A harvest is not recommended at this time.



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
Stoney Creek Camp Sites	Concentrated Recreation Area	State Forest Campground	Proposed SCA	8
Comments				



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
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	General Comments:
6	4130 - Aspen	Sapling Well	11.4	7	Immature	
10	4130 - Aspen	Sapling Well	54.7	7	Immature	
11	4130 - Aspen	Sapling Well	16.6	6	Immature	Some wet drainages in stand that were left uncut when the stand was harvested.
14	4130 - Aspen	Sapling Well	57.8	7	Immature	
15	4130 - Aspen	Poletimber Well	2.3	51	Unspecified	Leave as retention for stand 14.
16	4139 - Aspen, Mixed Deciduous	Sapling Well	31.2	7	Immature	Cut in 2008.
19	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	40.6	53	141-170	Thinned in 2009. Very branchy individual maple and beech trees. Fairly branchy red pine.
24	6122 - Black Spruce	Poletimber Well	6.8	71	Unspecified	
29	4130 - Aspen	Sapling Well	9.4	6	Immature	
31	4130 - Aspen	Poletimber Well	7.8	50	Unspecified	
32	6112 - Lowland Aspen	Sapling Well	28.5	6	Immature	Retention pocket in southeast/central of stand.
33	4134 - Aspen, Spruce/Fir	Sawtimber Well	70.9	91	Unspecified	Red maple pole timber in the sub-canopy also. Remnant road running east to west from stand 27 to stand 26. Aspen is overmature. Current beaver activity on west side of stand. Access from east from Wildlife opening. Some individually larger aspen and balsam fir. Variable diameters, higher ground ridges from north to south.
36	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	5.3	91	51-80	No sapling WP in canopy. Some XL white pine and red pine. Some of stand is on extreme slope. Deer bedding under red pine. Basal area ranges from 70-140, averages at 100.
37	4130 - Aspen	Sapling Well	49.9	6	Immature	Rolling hillside.
38	4123 - Red Oak	Sawtimber Well	26.3	81	81-110	Red oak is Log/Pole with no XL. Basal areas range from 90-140, averaging around 110. Rolling, hilly east side of stand. Nice quality oak overstory. Heavy deer presence under oak. Fairly hilly in other spots of stand. Heavy deer tracks under oak and pine.



Stand	Gaylord Mgt. Unit		Report 8 – Forested Stands			Compartment: 186 Year of Entry: 2017
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
40	6120 - Lowland Cedar	Poletimber Well	36.5	111	Unspecified	Poor quality, dense cedar. Some log, 12" dbh cedar. Pockets of blowdown in east part of stand.
43	4139 - Aspen, Mixed Deciduous	Poletimber Well	12.2	50	Unspecified	Factor limit stand. Too steep with lowland on north edge.
44	4199 - Other Mixed Upland Deciduous	Sawtimber Well	8.1	61	81-110	BA = 95. A few individually larger oak and sugar maple, >18" dbh.
46	4119 - Mixed Northern Hardwoods	Sawtimber Well	60.6	71	81-110	Variable basal areas, ranging from 60-130, averaging around 95. Very branchy beech. Some scale but most of the stand and the individual trees appear free of scale. Some individually larger oak and beech. Stand is a hillside facing east/southeast. Variable diameters. Many deer runways and lots of activity to and around oak.
47	4131 - Aspen, Oak	Sapling Well	45.4	8	Immature	Pockets with higher basal area of oak.
48	4199 - Other Mixed Upland Deciduous	Poletimber Well	45.3	101	81-110	Hogs Back Ridge - extreme slopes. Mostly poor quality sugar maple/mixed hardwood; some better quality trees. East facing slope. Multi-stemmed sugar maple and beech. Oak 100+ years old. No beech scale found. Pockets of higher basal area of oak on slopes and southeast of stand. BA is 100.
52	6120 - Lowland Cedar	Sawtimber Well	7.1	111	Unspecified	Transition stand from high to low ground. Some larger cedar, 16-18" dbh.
53	4130 - Aspen	Sapling Well	35.6	5	Immature	
54	4311 - Pine, Aspen Mix	Sawtimber Well	4.7	91	81-110	This is a retention buffer along the stream. Heavy deer use and good over. Habitat diversity corridor.
55	6124 - Lowland Spruce- Fir	Sawtimber Well	9.4	71	Unspecified	The balsam fir is beginning to fall over. Fairly tall balsam fir; a few L/XL spruce, red maple, and aspen in the east portion of the stand. Aspen is deteriorating. Factor limit this stand due to low volume and too wet.
56	4123 - Red Oak	Sawtimber Well	48.8	91	51-80	Stand was thinned in 2010. Lots of deer evidence. Large beech were removed resulting in full pockets of beech regeneration. Basal area and diameters are variable. There are some XL oak. Residual oak are nice quality with no epicormic branching. Basal area around 64.
57	4119 - Mixed Northern Hardwoods	Sawtimber Well	10.2	91	81-110	Very poor quality maple and beech. Light BBD. Rolling to hilly terrain. Some larger trees, 14-18 dbh, log and xl. Difficult to work on terrain with equipment. Multi-stemmed beech. Deer activity under larger oaks.
58	6120 - Lowland Cedar	Sawtimber Well	19.4	131	Unspecified	Balsam fir and some individual cedar is falling over. Some larger DBH cedar. Slash is beginning to occur. Variable DBH sizes in cedar. Short, poor quality cedar.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
59	4134 - Aspen, Spruce/Fir	Sawtimber Well	38.8	91	Unspecified	No sapling paper birch in canopy. Over-mature aspen with trunk rot. Balsam and large spruce falling over. Some larger aspen in southern tip of stand. Occasional pockets of lower ground. Access south part of the stand through the herbaceous opening to the west to protect the draining from rutting.
60	4134 - Aspen, Spruce/Fir	Poletimber Well	34.7	50	Unspecified	Balsam fir pole timber also in the subcanopy. Cut next year of entry. Expand cutting boundary into adjacent low-ground stand to the west.
61	4130 - Aspen	Poletimber Well	26.7	50	Unspecified	Some larger diameter spruce and fir near the stand edge adjacent to the lowland shrub.
62	6115 - Lowland Ash	Poletimber Well	6.3	51	Unspecified	Poor quality ash with EAB.
64	4123 - Red Oak	Sawtimber Well	5.8	91	51-80	Wet spot in center of stand, south of road. BA = 70.
65	4130 - Aspen	Sawtimber Well	26.7	50	Unspecified	Balsam fir beginning to die out and fall over. Some larger timber in the north and east part of the stand, diameters >16".
66	4130 - Aspen	Poletimber Well	18.7	51	Unspecified	Blow-down beginning. Poor quality and poor health. Drainage (low ground) in center of stand. Leave this as retention.
67	42330 - Upland Fir	Poletimber Well	13.1	76	Unspecified	Tall balsam fir, dying out. Some larger diameter aspen and fir. There's a small drainage in the west part of the stand. Few L/XL white spruce. Similar stand to the north in comp 187 is Rx's for 2015 YO. This is surrounded by a stream and/or wetland.
68	6112 - Lowland Aspen	Poletimber Well	23.1	61	Unspecified	Drainage ways flowing south.
69	4130 - Aspen	Poletimber Well	110.7	51	Unspecified	No sapling bigtooth or quaking aspen in canopy. Nice quality stand. Leave for next year of entry. Some larger diameter, >10"dbh, aspen, maple. Poor quality beech. Some small drainages flowing to the east. Balsam fir along edge of stand.
73	6111 - Lowland Balsam Poplar	Sawtimber Well	13.8	71	Unspecified	Drainageway/stream. Some blowdown. Cedar is fairly short.
74	4130 - Aspen	Sawtimber Well	74.8	56	Unspecified	Pockets (approximately 20% of stand) of non-forested openings, 3101. Lesser quality quaking aspen compared to adjacent stand. Pockets of larger (12-14" dbh) bigtooth aspen with trunk conks. Grouse activity. Access from north will need quite a lot of road preparation. Best access is from the south across the private parcel.
75	6112 - Lowland Aspen	Sawtimber Medium	29.5	81	Unspecified	Very wet stand. Factor limit.
76	6130 - Fir, Aspen, Maple	Sawtimber Well	19.4	96	Unspecified	Blow-down is beginning to occur. Quaking aspen is over-mature and starting to deteriorate/blow over. This stand transitions from high ground to low ground.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
77	4131 - Aspen, Oak	Poletimber Well	82.7	50	Unspecified	Deer scraping under oaks. Some part of the stand are rather hilly, facing north, Leave for next year of entry. Pockets of variable aspen diameter - some smaller, some larger than 7". Higher beech percentage in north part of stand. Address this cover type next YOE. Higher oak percentage north of road on south facing slope.
78	6112 - Lowland Aspen	Sawtimber Well	47.3	50	Unspecified	Higher balsam fir percentages than the stand to the north. Old railroad grade runs through the middle part of the stand. Very tall white spruce starting to fall over. Balsam fir is also beginning to deteriorate and fall over. Larger timber in west part of stand; quaking aspen >18" dbh.
79	4319 - Mixed Upland Forest	Sawtimber Well	40.9	91	81-110	No XL quaking aspen in canopy. Sapling and pole balsam fir in the subcanopy. The balsam fir is beginning to fall over.
80	429 - Mixed Upland Conifers	Poletimber Well	12.4	50	81-110	Few large (XL) white pine.
81	6112 - Lowland Aspen	Sawtimber Well	29.2	81	Unspecified	Drainages throughout stand. Too wet for harvesting activity. Factor Limit.
83	6130 - Fir, Aspen, Maple	Sawtimber Well	25.4	91	Unspecified	Aspen starting to die. Balsam falling over. A lot of slash and blowdown in same areas; blowdown is beginning to occur. Drainage/small stream along east edge of stand. Poor quality aspen. Expand cutting boundary into this stand when cutting adjacent stand in the next YOE. Consider a Factor Limit. Too wet to cut.
84	6130 - Fir, Aspen, Maple	Sawtimber Well	15.5	61	Unspecified	Balsam fir is dying out and beginning to fall over. Very tall balsam fir and aspen. There is a drainage along west edge of stand. Aspen is beginning to deteriorate; it does not look healthy. Pocket of spruce in west part of stand should be left as the retention area. Blow-down is beginning to occur among the older balsam fir, aspen, and white spruce.
85	4131 - Aspen, Oak	Sapling Well	26.9	5	Immature	<1% white pine, 12", log, in stand.
86	4130 - Aspen	Poletimber Well	13.3	50	Unspecified	Poor quality aspen. Flat stand surrounded by steep slopes on three sides. Larger aspen have trunk rot.
87	4199 - Other Mixed Upland Deciduous	Poletimber Well	50.9	71	51-80	Age is also current, validated in the field. Trace amounts of red and white pine in canopy, 14" dbh. Nice quality oak. Deer tracks in oak pockets. Pockets of 12" dbh aspen along west edge of stand of lesser quality. Leave unharvested acreage along campground. Pockets of higher density oaks. Hogsback ridge/steep slopes in some areas. Do not cut white pine, red pine in south part of stand along road. BA is 70.
88	6111 - Lowland Balsam Poplar	Sawtimber Well	5.2	51	Unspecified	Stream in middle of stand. EAB present.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
89	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	17.3	61	1-50	Very branchy white pine; short. Fairly hilly terrain. Pockets of aspen are overmature. Overall basal area is relatively low, but higher in vegetated pockets.
90	6112 - Lowland Aspen	Sawtimber Well	45.1	81	Unspecified	Drainages flow from west to east in the west part of the stand. Larger balsam fir beginning to blow over. Drainage in north part of stand flows south. Factor Limit - too wet.
91	4319 - Mixed Upland Forest	Poletimber Well	16.2	51	51-80	Blow-down beginning to occur. Slopes to the west toward lowland shrub. Fairly rolling terrain. Balsam fir is relative short.
92	4134 - Aspen, Spruce/Fir	Poletimber Well	132.8	50	Unspecified	Higher amounts of balsam fir in the west portion of the stand. Leave this stand for age class distribution and factor limit for this year of entry.
93	4130 - Aspen	Poletimber Well	76.8	56	Unspecified	This is a ridgeline with higher ground. Good quality trees. Some >10" dbh aspen. Small pocket of jack pine along the west edge of the stand. Barbed-wire fence runs east to west along the 40-line in stand. Jack pine is dying out. Best access is from the south through private. Access from the north will require a lot of road work.
99	4112 - Maple, Beech, Cherry Association	Poletimber Well	4.4	83	81-110	Relativley sparse stand of poor quality hardwood, limby, open grown at one point in time. Crowns have now closed in and are quite large.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	211 - Cropland	1.9	Yes	Wildlife division planted this opening.
2	211 - Cropland	3.9	Yes	Wildlife Division planted this opening.
3	623 - Emergent Wetland	5.4	No	
4	310 - Herbaceous Openland	5.1	No	
5	622 - Lowland Shrub	4.5	No	
7	622 - Lowland Shrub	4.4	No	
8	622 - Lowland Shrub	8.7	No	
9	623 - Emergent Wetland	2.7	No	
12	310 - Herbaceous Openland	1.1	No	
13	622 - Lowland Shrub	37.6	No	
17	622 - Lowland Shrub	25.4	No	
18	622 - Lowland Shrub	3.6	No	
20	310 - Herbaceous Openland	8.8	No	
21	310 - Herbaceous Openland	6.5	No	
22	310 - Herbaceous Openland	11.1	No	
23	310 - Herbaceous Openland	2.8	No	
25	622 - Lowland Shrub	30.9	No	
26	310 - Herbaceous Openland	1.2	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
27	310 - Herbaceous Openland	1.3	No	
28	623 - Emergent Wetland	3.0	No	
30	310 - Herbaceous Openland	1.3	No	
34	330 - Low-Density Trees	6.0	No	
35	330 - Low-Density Trees	1.6	No	
39	310 - Herbaceous Openland	1.2	No	
41	123 - Other High Intensity Urban	7.7	No	Campground.
42	3303 - Mixed Low Density Trees	13.3	No	
45	623 - Emergent Wetland	14.3	No	
49	310 - Herbaceous Openland	2.4	No	
50	3301 - Low Density Deciduous Tree	23.0	No	
51	622 - Lowland Shrub	27.8	No	
63	622 - Lowland Shrub	4.1	No	
70	622 - Lowland Shrub	5.7	No	
71	310 - Herbaceous Openland	1.0	No	
72	622 - Lowland Shrub	3.7	No	
82	310 - Herbaceous Openland	2.4	No	
94	622 - Lowland Shrub	7.1	No	



Stand	Cover Type	Acres	Managed Site	General Comments:
95	310 - Herbaceous Openland	0.9	No	Wildlife division wanted to create this stand during pre-review. Rolling hillside.
96	310 - Herbaceous Openland	3.4	No	Wildlife division wanted to create this stand during pre-review.
97	310 - Herbaceous Openland	1.0	No	Wildlife division wanted to create this stand during pre-review.
98	310 - Herbaceous Openland	0.7	No	