



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52058

Entry Year 2021

Acreage: 1,785

County Antrim

Management Area: Jordan Valley

Revision Date: 2019-05-28

Stand Examiner: John St. Pierre

Legal Description:

T30N R6W Sections 1, 12, and 13

Identified Planning Goals:

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

Soil and topography:

The north half of this compartment is primarily Kalkaska – Montcalm Complex and the south half is dominated by Kalkaska – East Lake Complex. Both soil types are finer textured loamy sands that are somewhat excessively drained and rapidly permeable. They formed in sandy glacial drift on outwash plains, moraines and old beach ridges. Rolling hills are very common with very few flat areas. Steep slopes are present, especially associated with the lowland areas which are mostly dominated by very poorly drained Tawas muck. This moderately permeable over rapidly permeable soil formed in woody material underlain by sandy mineral deposits.

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

This compartment is solid state ownership with the USFWS Jordan River Fish Hatchery to the northeast and farms to the east and south. Some smaller five to forty-acre wooded parcels are also adjacent to the south and east.

Unique Natural Features:

The Jordan River and its many tributaries within this compartment.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

Stand 31 is captured as a Special Conservation Area (SCA) due to its unique composition, steep slopes and associated water features.

Watershed and Fisheries Considerations:

This compartment contains portions of the Jordan River, Six Tile Creek, Five Tile Creek, Racket Creek, and Section 13 Creek, all within the Jordan River Watershed. Since all streams are part of the Jordan River Natural River zone, Natural River buffers should be applied.

Wildlife Habitat Considerations:

This compartment provides upland and lowland habitats adjacent to the river. Much of the area provides potential for raptor nesting, which should be a consideration when setting up timber harvests. Regenerating areas will provide cover for species dependent on young forests for the next 10 years.

Mineral Resource and Development Concerns and/or Restrictions

An active sand/gravel pit is located less than two miles to the southeast, and there is good sand & gravel potential within the compartment, though development is unlikely allowed. This area has high potential for natural gas from the Antrim Shale. The surrounding area has been developed for the Antrim. However, this area is part of the JVMA and surface development for hydrocarbons is not allowed. Antrim gas is being drained from State lands and nondevelopment leases with horizontal drain holes have been drilled to capture the State's gas in some areas. This area is not being leased at this time. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Pinney Bridge Road and Jordan River Road provide seasonal accessibility but only access a small portion of the compartment. Many roads created to move wood products have been closed to vehicle traffic over the years. Most of these old haul roads will require constant berm maintenance/improvement to maintain their 'closed' status.

Survey Needs:

Establishment of 1-2 survey corners in areas located in the southeast quarter of Section 13 would be beneficial. The remainder of the compartment has been thoroughly surveyed.

Recreational Facilities and Opportunities:

This compartment is popular for hunting, fishing, mushrooming and fall color touring as well as having the North Country Pathway, Landslide Overlook and Snowmobile Trail #766.

Fire Protection:

Fire suppression needs would be provided by the Bellaire Field Office and local VFD's.

Additional Compartment Information:

The following reports from the Inventory are attached:

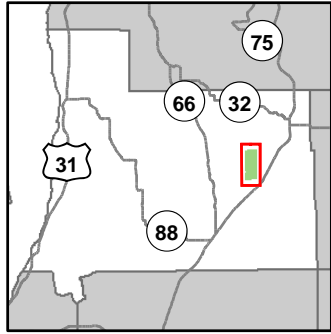
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

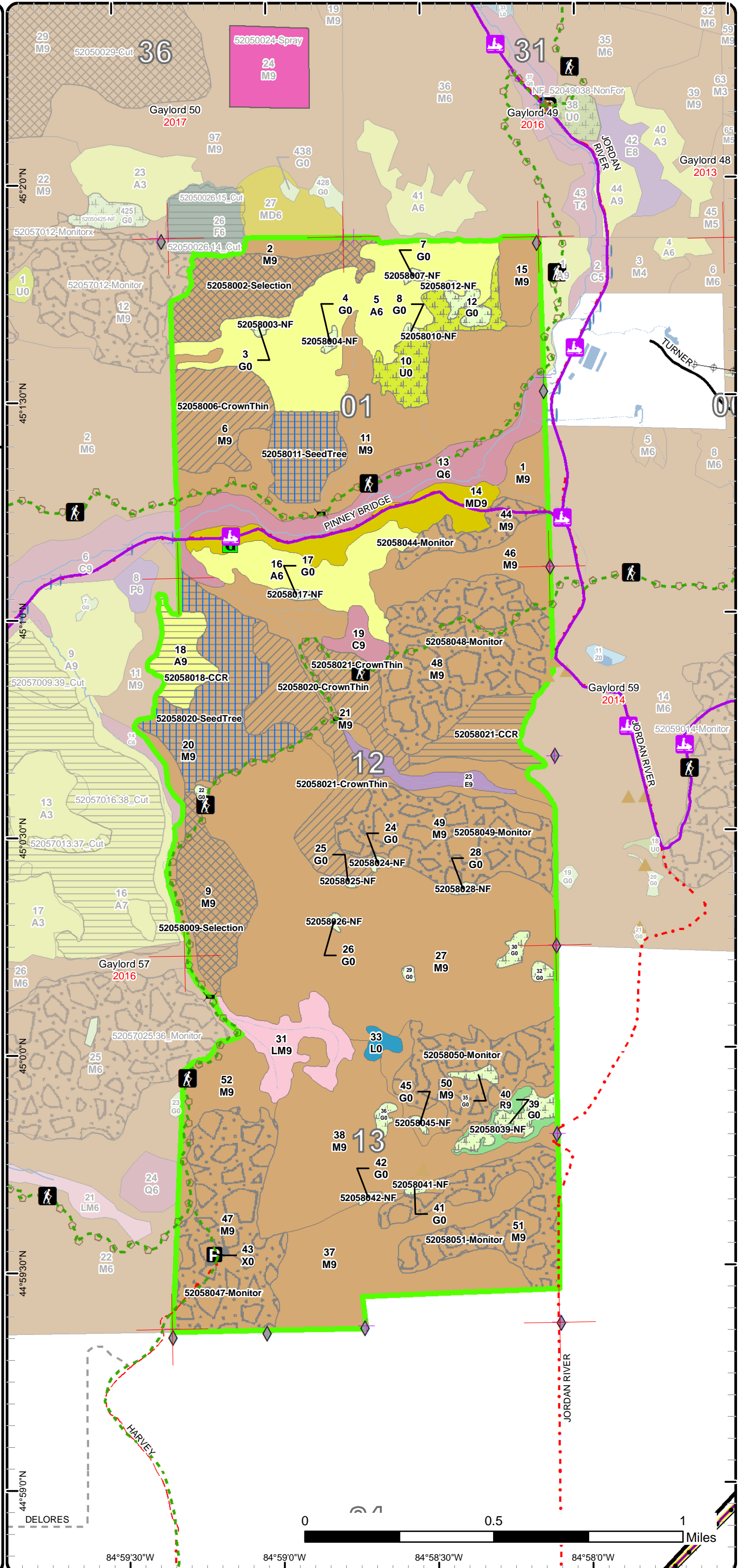
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatments Map

Compartment: 58
 T30N, R06W, Sec. 1, 12, 13
 County: Antrim
 Unit: Gaylord
 Mgmt Area: Jordan Valley
 YOE: 2021
 Acres: 1,785 GIS Calculated
 Examiner: John St. Pierre
 Map Revised: 10/8/2019
 Map Phase: Post-Review

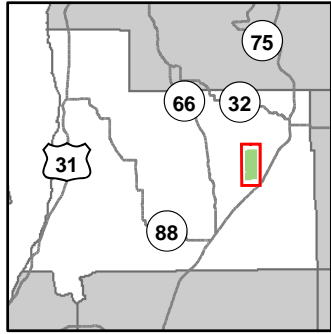


- Miris Corners
- Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- Federal / State Highway
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- Active Railroads
- 👤 Hiking Trails
- 🏠 Snowmobile Trails
- Designated Hiking Trails
- Designated Ski Trails
- Designated Snowshoe Trails
- ORV License
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- ▲ Berms
- 🚪 Gate
- 🌉 Bridges
- 👉 Culvert
- 🅑 Parking Lot
- 🌟 Trailhead
- ⚡ Powerline
- Compartment Boundary
- Other Treatment - See Comments
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- ▨ Seed Tree (w/Reserves)
- ▨ Thinning (Crown, Low, Systematic)
- ▨ Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 629 - Mixed non-forested wetland
- Lakes

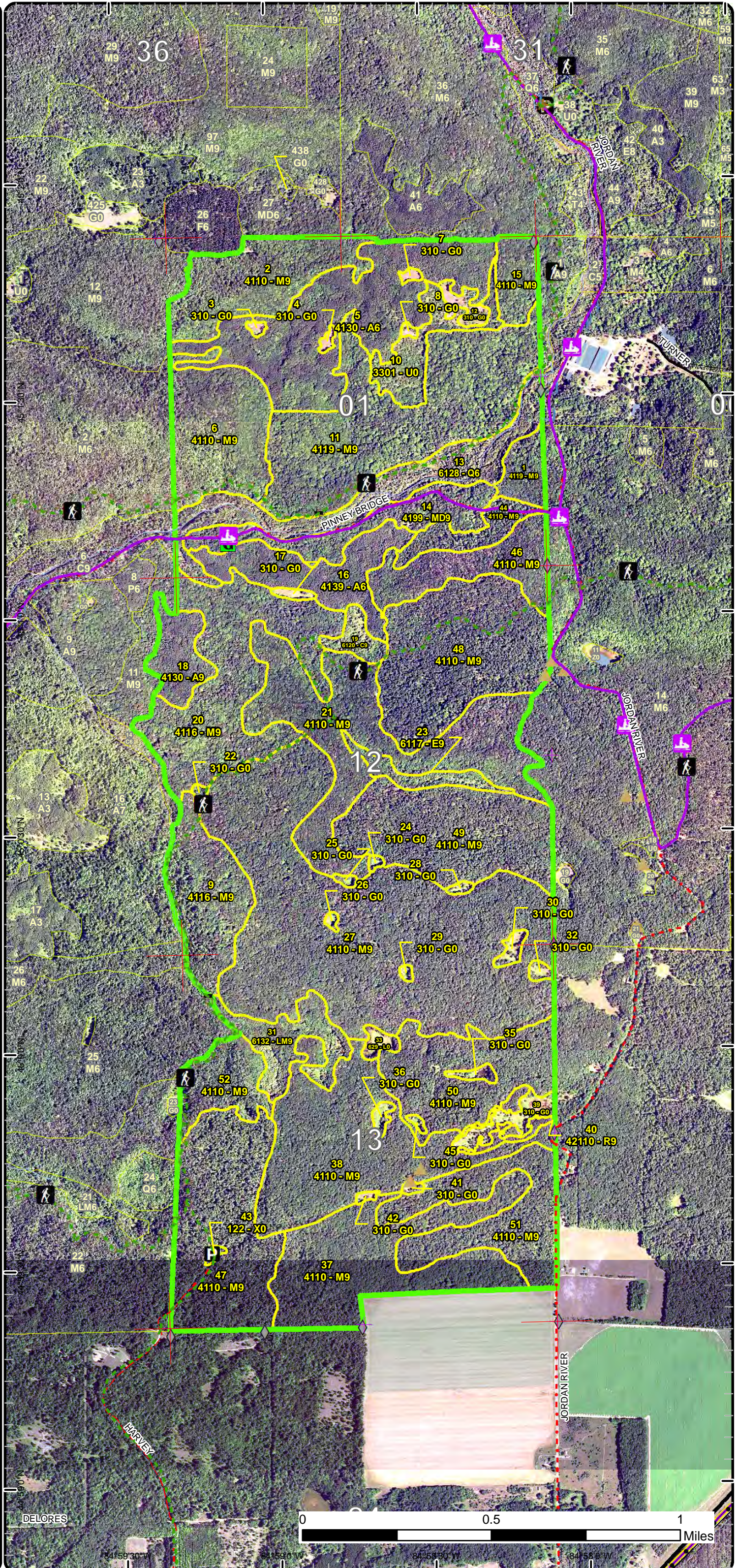


Stand Boundary Map

Compartment: 58
 T30N, R06W, Sec. 1, 12, 13
 County: Antrim
 Unit: Gaylord
 Mgmt Area: Jordan Valley
 YOE: 2021
 Acres: 1,785 GIS Calculated
 Examiner: John St. Pierre
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- Miris Corners
- Remonumented Section Corners
- ◆ Field Grade Corners
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- Designated Snowshoe Trails
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- ⚡ Powerline
- Compartment Boundary
- Stand Boundaries
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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	0	0	0	140	0	19	0	0	0	0	0	0	0	0	0	0	0	159
Cedar	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Herbaceous Openland	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Low-Density Trees	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0	55
Lowland Deciduous	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	10
Lowland Mixed Forest	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	27
Lowland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	36
Northern Hardwood	0	0	0	0	0	0	0	0	1419	0	0	0	0	0	0	0	0	0	1419
Red Pine	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	6
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	64	0	0	0	140	0	26	0	0	1492	0	63	0	0	0	0	0	0	1783



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Compartment 58

Year of Entry: 2021

Acres of Harvest

Total Compartment Acres: 1,785

Commercial Harvest - 326
 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	19	0	0	0	0	0	0	0	0	19
Northern Hardwood	24	84	0	89	0	109	0	0	0	306
Total	44	84	0	89	0	109	0	0	0	326

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	326	0	0	0	0	0	370	0	49	745
Next Step	0	0	0	0	0	0	217	0	0	217
Total	326	0	0	0	0	0	587	0	49	962



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
2	52058002- Selection	45.5	4110 - Sugar Maple Association	Sawtimber Well	85	111- 140	Harvest	Single Tree Selection	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Single Tree Selection. Target 80BA.

Specs:

- 'Maintain for Regen' site condition identified in north. This area of desirable sugar maple regen might expand/contract during prep.
- Steep along northern and southern boundary. Run red line at the bottom of slopes in northern and southern boundary locations and give equipment room to work/turn.
- On steep slopes that equipment is unlikely to reach the top of, only mark 1/3 to 1/2 way Up the slope. On accessible ridge tops, only mark 10-15ft into downward facing slopes. When slopes appear completely operable, go ahead and mark. Expect some 'zero' plots during timber cruise.
- Create clearcut patches (100ft minimum) around some of the scattered aspen clones and in areas of poorer quality timber. Use 2" spec inside patches.
- AVOID marking pole/sap sugar maple stems of better form/quality
- Retain underrepresented species (y.birch, elm, hemlock, b.cherry, xlog beech, wolf/den trees, etc.)

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Medium or better stocking mixture of aspen, basswood, and sugar/red maple within the clearcut patches. Release of canopy crop trees & pole sugar maple stems in remainder of Rx. Expect a strong response from ironwood and beech.

Other - USE Shortwood & Slope Protection Specs

Comment: - Protect/exclude sensitive features (stick nests, seeps, etc.)

- Access is from the north, off J.River Rd. Old overgrown skids trails that exist in this compartment will need opening work. See 'Administrative Access Rds' layer for available options.

Proposed Start Date: 10/1 /2020

3	52058003-NF	1.0	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 StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2020

4	52058004-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 opening. Planting of hard and soft mast.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2020



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
6	52058006- CrownThin	38.1	4110 - Sugar Maple Association	Sawtimber Well	87	111- 140	Harvest	Crown Thinning	4110 - Sugar Maple Association	Two-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Crown Thin to release crop trees & pole stems. Target 80BA.

Specs:

- 'Too steep' and Natural Rivers buffer already identified in south. 'Too steep' in south might expand/contract during prep. N.C.Path is present within Nat.Riv buffer.
- Steep along north, east, and west boundary, as well as interior locations. Run red line at the bottom of slopes in northern and eastern boundary locations and give equipment room to work/turn. Where appropriate, do the same for western boundary.
- On steep slopes that equipment is unlikely to reach the top of, only mark 1/3 to 1/2 way Up the slope. On accessible ridge tops, only mark 10-15ft into downward facing slopes. When slopes appear completely operable, go ahead and mark. Expect some 'zero' plots during timber cruise.
- AVOID marking pole/sap sugar maple stems of better form/quality
- Retain underrepresented species (y.birch, elm, hemlock, b.cherry, xlog beech, wolf/den trees, etc.)

Next StepTreatments:

Acceptable Though not a regeneration harvest, conduct a brief regen assessment during 2029 inventory cycle.

Regen:

Other - USE Shortwood & Slope Protection Specs

Comment: - Protect/exclude sensitive features (seeps, stick nests, etc.)

- Access is from the north, off J.River Rd. Old overgrown skids trails that exist in this compartment will need opening work. See "Administrative Access Rds" layer for available options.

Proposed Start Date: 10/1 /2020

7	52058007-NF	1.0	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 StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2020

8	52058008-NF	0.8	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 and soft mast.

Specs:Next StepTreatments:AcceptableRegen:OtherComment:

Proposed Start Date: 10/1 /2020



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
9	52058009-Selection	38.5	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	85	111-140	Harvest	Single Tree Selection	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Single Tree Selection. Target 70BA.

- Specs:
- Maintain a 150ft Natural Rivers Buffer on the Rx's west boundary, along Section 13 Creek. Rx layer reflects this buffer.
 - NCPATHWAY along west boundary too. Nat.Riv Buff will exclude most of path. Where path isn't excluded: protect trail marker trees, limit areas where equip can cross, post warning signs prior to harvest, and protect the path in specs.
 - Create clearcut patches around some of the scattered aspen clones. Use 2" spec inside patches.
 - AVOID marking pole/sap sugar maple stems of better form/quality
 - Retain underrepresented species (y.birch, elm, hemlock, b.cherry, xlog beech, wolf/den trees, etc.)

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Medium or better stocking mixture of aspen, basswood, and sugar/red maple within the clone clearcut patches. Release of canopy crop trees & pole/sap sugar maple stems in remainder of Rx. Expect a strong response from ironwood and beech.

Other - USE Shortwood Spec

Comment: - Protect/exclude sensitive features (stick nests, seeps, etc.)

- Marginal quality stems prevalent in Rx area

- Access is best accomplished at the S.E. end of this compartment, off Jordan River Rd. Through a series of open, then closed/bermed haul routes.

Proposed Start Date: 10/1 /2020

10	52058010-NF	22.2	3301 - Low Density Deciduous Trees	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	320 - Upland Shrub		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

Comment:

Proposed Start Date: 10/1 /2020

11	52058011-SeedTree	26.0	4119 - Mixed Northern Hardwoods	Sawtimber Well	85	111-140	Harvest	Seed Tree with Retention	4116 - Mixed N. Hardwood - Aspen	Two-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Seed Tree w/Retention. Residual avg. is flexible, aim for ~5-10BA.

- Specs:
- Maintain a 300ft Natural Rivers Buffer along the treatment's southern boundary near the Jordan River. Rx layer accounts for this buffer.
 - NCPATHWAY is present within buffer, sign & protect in specs.
 - Do Not run the east boundary right up to or downslope to the perennial stream. Boundary excluded retention and 'Water quality/BMP' site conditions already identified in east. Use additional retention to capture sensitive/unique features if observed.
 - Leave a scattered seed source of desirable hardwood species. Wind firm individuals are present and/or leave in clumps. Residual BA can vary/doesn't have to be consistent throughout.
 - Mark to leave some larger beech & aspen to become future snag material
 - Do not cut incidental species, including but not limited to: elm, y.birch, conifer, etc.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Medium or better stocking level mixture of sugar maple, basswood, aspen, red maple, and black cherry. Expect a strong response from ironwood and beech.

Other - USE Drumming Log & Slope Protection Spec

Comment: - USE Spec 2.2.10 (or similar spec), "No chipping tops and limbs". Meant to blockade some regen from browse.

- Access is from the north, off J.River Rd. Old overgrown skids trails that exist in this compartment will need opening work. See "Administrative Access Rds" layer for available options.

Proposed Start Date: 10/1 /2020



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
12	52058012-NF	5.3	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

Comment:

Proposed Start Date: 10/1 /2020

17	52058017-NF	1.7	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

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

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

18	52058018- CCR	19.4	4130 - Aspen	Sawtimber Well	50	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut w/Retention.

Specs:

- Use island/boundary excluded retention to capture unique/sensitive features, desirable regen, etc.
- Do not cut incidental species, including but not limited to: elm, y.birch, any conifer, etc.
- Harvest during drier summer/frozen winter months
- Use drumming log spec

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Medium or better stocking level of aspen with components of sugar maple, basswood, red maple, black cherry, and American elm. Expect a strong response from ironwood.

Other - Old, over grown access leading to the Rx area was observed west of Racket Creek, off Pinney Bridge Rd. These travel south off P.B. Rd.

Comment: Would not recommend this option during sled season (blind corners/too narrow on P.B. Rd). Might be 'Too close' to Racket Creek as well.
- Access Opt.#2 is located at the S.E. end of this compartment, off Jordan River Rd. Through a series of open, then closed/bermed haul routes that end at the south end of Stand 20. A longer haul but appears ~usable year round/negates conflicts w/sleds.

Proposed Start Date: 10/1 /2020

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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
20	52058020-CrownThin	3.9	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	87	111-140	Harvest	Crown Thinning	4116 - Mixed N. Hardwood - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**Prescription Crown Thinning. Target 80BA.

Specs:

- Prep with Stand 21's crown thin
- Loosely use NCPathway as the boundary. This will negate incursions into adjacent water features. Back off the path as needed based upon topography. Protect trail marker trees, place warning signs prior to harvest, and protect path in specs.
- AVOID marking pole/sap sugar maple stems of better form/quality
- Retain underrepresented species (y.birch, elm, hemlock, b.cherry, xlog beech, wolf/den trees, etc.)

Next StepTreatments:Acceptable Regen: Though not a regeneration harvest, conduct a brief regen assessment during 2029 inventory cycle.Regen:Other - USE Shortwood SpecComment: - Protect/exclude sensitive features if observed (stick nests, seeps, etc.)

- Marginal quality stems & aspen prevelant in Rx area.

- Access options: see 'Other Comments' for Stand 21's crown thin Rx.

Proposed Start Date: 10/1 /2020

20	52058020-SeedTree	62.8	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	87	111-140	Harvest	Seed Tree with Retention	4116 - Mixed N. Hardwood - Aspen	Two-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription Seed Tree w/Retention. Residual avg. is flexible, aim for ~5-10BA.

Specs:

- Maintain a 300ft Natural Rivers Buffer along the treatment's S.W. boundary near Section 13 Creek. Rx layer accounts for this buffer.
- Do Not run the north boundary right up to or downslope to Racket Creek in north.
- NCPathway travels along southern boundary. Use the pathway as the southern boundary, protect trail marker trees, only allow equip to cross the path in one location, use some retention near the path, post warning signs prior to harvest, and protect the path in specs.
- Use island/boundary excluded retention to capture sensitive features, desirable regen, etc. Some sugar maple regen already captured, see S.C. 5E-25.
- Leave a scattered seed source of desirable hardwood species. Wind firm individuals are present and/or leave in clumps. Residual BA can vary/doesn't have to be consistent throughout.
- Mark to leave some larger beech & aspen to become future snag material
- Do not cut incidental species, including but not limited to: elm, y.birch, conifer, etc.

Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable Regen: Medium or better stocking level mixture of sugar maple, basswood, aspen, red maple, and black cherry. Expect a strong response fromRegen: ironwood.Other - USE Drumming Log & Slope Protection SpecComment: - USE Spec 2.2.10 (or similar spec), "No chipping tops and limbs". Meant to blockade some regen from browse.

- Access options: see 'Other Comments' for Stand 18's Rx.

Proposed Start Date: 10/1 /2020



Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
21	52058021-CCR	24.4	4110 - Sugar Maple Association	Sawtimber Well	85	111-140	Harvest	Clearcut with Retention	4110 - Sugar Maple Association	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Clearcut w/Retention.

- Specs:
- Boundary excluded retention and 'Too steep' already identified in south. Use additional retention to capture sensitive features if observed.
 - Stick nest present on west boundary (in xlog beech). Not sure if active. Exclude/protect as needed.
 - Steep in areas. Expand boundary out, where appropriate, to give equipment room to turn.
 - S.E. boundary has been 'bumped out' to meet up with an old haul route
 - Do not cut incidental species, including but not limited to: elm, y.birch, hemlock, xlog beech, etc.
 - Use slope protection & drum log specs
 - Use spec 2.2.10 (or similar spec), "No chipping tops and limbs". Meant to blockade some regen from browse.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Medium or better stocking level mixture of sugar maple, basswood, and black cherry. Expect a strong response from ironwood, beech, and white ash.

Other - Be cautious during prep, heavy ash mortality in areas

Comment: - Access options: see 'Other Comments' for Stand 21's crown thin Rx.

Proposed Start Date: 10/1 /2020

21	52058021-CrownThin	67.2	4110 - Sugar Maple Association	Sawtimber Well	85	111-140	Harvest	Crown Thinning	4110 - Sugar Maple Association	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Crown Thin TSI to release crop trees & pole/sap stems. Target 80BA.

- Specs:
- 'Too steep' areas already excluded from Rx layer (S.C.2F-21). These might expand/contract during prep.
 - Do Not run boundary right up to or downslope to Racket Creek
 - Two stick nests observed in Rx area (see Arc/Comp map). Not sure if active. Protect/exclude as needed.
 - NCPATHWAY in Rx area. Protect trail marker trees, limit areas where equip can cross, post warning signs prior to harvest, and protect the path in specs.
 - AVOID marking pole/sap sugar maple stems of better form/quality
 - Retain underrepresented species (y.birch, elm, hemlock, b.cherry, xlog beech, wolf/den trees, etc.)

Next Step

Treatments:

Acceptable Regen: Though not a regeneration harvest, conduct a brief regen assessment during 2029 inventory cycle.

Regen: Where path isn't excluded: protect trail marker trees, limit areas where equip can cross, post warning signs prior to harvest, and protect the trail in specs.

Other - USE Shortwood & Slope Protection Specs

Comment: - Protect/exclude sensitive features if observed (seeps, drainages, etc.)

- The best access to Rx areas East of Racket Creek is through two different closed/bermed haul routes located off Jordan River Rd. One extends west into Stand 48, the other into Stand 14 (of Comp59).

- Access to Rx areas West of Racket Creek is best accomplished at the S.E. end of this compartment, off Jordan River Rd. Through a series of open, then closed/bermed haul routes.

Proposed Start Date: 10/1 /2020

22	52058022-NF	0.9	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:

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020



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
24	52058024-NF	0.8	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

Comment:

Proposed Start Date: 10/1 /2020

25	52058025-NF	0.9	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

Comment:

Proposed Start Date: 10/1 /2020

26	52058026-NF	0.8	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 and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020

28	52058028-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 opening. Planting of hard and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020



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
29	52058029-NF	0.8	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
Comment:

Proposed Start Date: 10/1 /2020

30	52058030-NF	2.9	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
Comment:

Proposed Start Date: 10/1 /2020

32	52058032-NF	1.7	310 - Herbaceous Openland	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No

Site Condition:

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

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

35	52058035-NF	2.2	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
Comment:

Proposed Start Date: 10/1 /2020



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
36	52058036-NF	2.1	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

Comment:

Proposed Start Date: 10/1 /2020

39	52058039-NF	8.9	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

Comment:

Proposed Start Date: 10/1 /2020

41	52058041-NF	0.9	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

Comment:

Proposed Start Date: 10/1 /2020

42	52058042-NF	0.8	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 and soft mast.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
44	52058044-Monitor	16.2	4110 - Sugar Maple Association	Sawtimber Well	85	51-80	Monitoring	Natural Regen (Re-Inventory)	4110 - Sugar Maple Association	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Regen needs more time. Assess regen again during 2029 inventory cycle. See stand comments regarding assessment during 2019 inventory.
Specs:

Next Step
Treatments:

Acceptable Acceptable regen comment from '09 Rx: "A mix of deciduous species that mimics the composition of the parent stand."
Regen:

Other PU1 'Prime Cut Hardwoods', Rx: Selection to 80BA, Billsby Lumber, closed 10/30/15.
Comment:

Proposed Start Date: 10/1 /2020

45	52058045-NF	0.8	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 and soft mast.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2020

47	52058047-Monitor	83.8	4110 - Sugar Maple Association	Sawtimber Well	85	81-110	Monitoring	Natural Regen (Re-Inventory)	4110 - Sugar Maple Association	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Regen needs more time. Assess regen again during 2029 inventory cycle. See stand comments regarding assessment during 2019 inventory.
Specs:

Next Step
Treatments:

Acceptable Acceptable regen comment from '09 Rx: "A mix of deciduous species that mimics the composition of the parent stand."
Regen:

Other PU 'West' of 'Landslide Hardwoods', Billsby Lumber, closed 6/11/14.
Comment:

Proposed Start Date: 10/1 /2020

48	52058048-Monitor	94.3	4110 - Sugar Maple Association	Sawtimber Well	85	81-110	Monitoring	Natural Regen (Re-Inventory)	4110 - Sugar Maple Association	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Regen needs more time. Assess regen again during 2029 inventory cycle. See stand comments regarding assessment during 2019 inventory.
Specs:

Next Step
Treatments:

Acceptable Acceptable regen comment from '09 Rx: "A mix of deciduous species that mimics the composition of the parent stand."
Regen:

Other PUs 2-4 'Prime Cut Hardwoods', Billsby Lumber, closed 10/30/15.
Comment:

Proposed Start Date: 10/1 /2020



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
49	52058049-Monitor	71.0	4110 - Sugar Maple Association	Sawtimber Well	85	81-110	Monitoring	Natural Regen (Re-Inventory)	4110 - Sugar Maple Association	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Regen needs more time. Assess regen again during 2029 inventory cycle. See stand comments regarding assessment during 2019 inventory.
Specs:

Next Step
Treatments:

Acceptable Acceptable regen comment from '09 Rx: "A mix of deciduous species that mimics the composition of the parent stand."
Regen:

Other PUs 5-6 'Prime Cut Hardwoods', Billsby Lumber, closed 10/30/15.
Comment:

Proposed Start Date: 10/1 /2020

38	52058050-Monitor	47.6	4110 - Sugar Maple Association	Sawtimber Well	85	81-110	Monitoring	Natural Regen (Re-Inventory)	4110 - Sugar Maple Association	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Regen needs more time. Assess regen again during 2029 inventory cycle. See stand comments regarding assessment during 2019 inventory.
Specs:

Next Step
Treatments:

Acceptable Acceptable regen comment from '09 Rx: "A mix of deciduous species that mimics the composition of the parent stand."
Regen:

Other PU 'North' of 'Landslide Hardwoods', Billsby Lumber, closed 6/11/14.
Comment:

Proposed Start Date: 10/1 /2020

51	52058051-Monitor	57.4	4110 - Sugar Maple Association	Sawtimber Well	85	81-110	Monitoring	Natural Regen (Re-Inventory)	4110 - Sugar Maple Association	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Regen needs more time. Assess regen again during 2029 inventory cycle. See stand comments regarding assessment during 2019 inventory.
Specs:

Next Step
Treatments:

Acceptable Acceptable regen comment from '09 Rx: "A mix of deciduous species that mimics the composition of the parent stand."
Regen:

Other PU 'East' of 'Landslide Hardwoods', Billsby Lumber, closed 6/11/14.
Comment:

Proposed Start Date: 10/1 /2020

**Total Treatment
 Acreage Proposed: 754.8**

Report 4 – Site Conditions

Gaylord Mgt. Unit
John St. Pierre : Examiner

Compartment: 58
Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions									
		With Condition				5B	5C	1A	2F	2G	2H	3G	3J	5E	
159	156	0		4	Aspen		0	4	0					0	
8	0	0		8	Cedar		0			8				0	
37	37	0		0	Herbaceous Openland										
22	22	0		0	Low-Density Trees		0		0						
55	0	0		55	Lowland Conifers			52						3	
10	0	0		10	Lowland Deciduous									10	
27	0	0		27	Lowland Mixed Forest			2					25		
4	4	0		0	Lowland Shrub										
36	0	3		33	Mixed Upland Deciduous		3	26		7				0	
1419	1153	70		196	Northern Hardwood	7	63	50	115	0	0			25	5
6	6	0		0	Red Pine										
1	1	0		0	Urban										
1,785	1,379	73		333	Total Forested Acres	7	66	134	115	15	0	25	39	5	
	77%	4%		19%	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	1A: Federal/State/Local Law	116	3J: Water quality / BMPs (stream, river, or lake)	2F: Too steep	3D: Recreational / Scenic values	Unspecified
Comments: Natural Rivers Vegetative buffer (100ft off either side), Natural Rivers Zoning Buffer (400ft off either side), and High Conservation Value Area (HCVA) capturing the Jordan River. Contact the Natural Rivers Specialist for further details. 'Too Steep' in many areas and North Country Pathway present north of J.River. Seeps and drainages common throughout.							
2	Unavailable	1A: Federal/State/Local Law	18	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Natural Rivers Vegetative buffer (100ft off either side), Natural Rivers Zoning Buffer (400ft off either side), and High Conservation Value Area (HCVA) capturing Section Thirteen Creek. Contact the Natural Rivers Specialist for further details. This S.C. has been 'shaved down' to 150ft in Stand 9 (crown thin Rx) and 300ft Stand 20 (seed tree Rx). Natural Rivers Specialist recommended/approved these alterations.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John St. Pierre : Examiner

Compartment: 58
Year of Entry: 2021

3	Unavailable	2F: Too steep	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Not exact, but shaped condition to capture only the 'Too steep' area(s). Seeps, wash-outs, and sensitive squishy soils in some mid-slope locations.							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This portion of Stand 15 is on mostly level ground prior to the prominent down slope that leads toward the Jordan River. Marginal quality hardwood that could be harvested when (all or portions of) Stand 5 is treated in '31 YOE.							
7	Available	5B: Maintain for regeneration purposes	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Extension of the 5B-3 condition in C50S27. Better than average sugar maple regen (saplings/poles) present in/around area covered by this condition.							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Seep complex at north end of S.C. that results in a perennial stream that flows into JRiv. Not exact, but shaped condition to capture the likely 'Too steep' area(s).							
9	Unavailable	2F: Too steep	11	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Not exact, but shaped condition to capture the 'Too steep' area(s) that slope down towards the Jordan River. Seep with intermittent water flow at bottom of slope on east boundary. Southern boundary of this condition bumps into the Natural Rivers Zoning/Buffer S.C..							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John St. Pierre : Examiner

Compartment: 58
Year of Entry: 2021

10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Coincide any future management within this stand (the portions north of the creek) with management that may occur within NW areas of C59S14. ~Northern 1/2 of stand is a better candidate for final harvest. Southern areas could be selectively managed.							
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Creek corridor. Flows west into JRiv.							
12	Unavailable	2F: Too steep	50	3J: Water quality / BMPs (stream, river, or lake)	2G: Too wet (sensitive soils, does not include access issues)	3D: Recreational / Scenic values	Unspecified
Comments: The vast majority of this 'Too steep' captures a prominent south facing slope that extends down to the Jordan River. Numerous seeps and seep fed drainages emanate out these slopes. North Country Pathway and Natural Rivers zone/buffer straddles river corridor too. From an operations standpoint, equipment would have no option but to climb up and down the steep slopes, creating very likely soil erosion issues.							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	28	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments: Site condition covers Racket Creek and feeder tribs that originate from seep complexes. Arbitrarily used 100ft (50ft either side) for Racket and 50ft (25ft either side) for tribs. 'Too steep' and 'Too wet' in areas.							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments: Not all, but a good portion of this site conditioned area rests atop a low, wet, seep complex. Water table very close to surface, some slopes present too.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John St. Pierre : Examiner

Compartment: 58
Year of Entry: 2021

15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Could possibly treat these Stand 14 5C's when/if Stand 16 is managed in the future.							
16	Unavailable	2F: Too steep	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Steepest feature observed in C058. Clino percents = 55%, 60%, 45% (east to west).							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Best suited to be managed in the future with Stand 16. Not 'Too steep' but certainly not flat/level.							
18	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Difficult hilly terrain but portions could be managed with either Stand 14 (C059) or when Stand 48 (C058) is treated again in the future.							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: The stand itself is 'Too wet'. And two seep fed streams originate along the western boundary. These then flow into Racket Creek.							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Consider treating this 5C area with Stand 16 in the future. A portable bridge is likely needed to access the eastern island polygon (seep fed, flowing creeks).							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John St. Pierre : Examiner

Compartment: 58
Year of Entry: 2021

21	Unavailable	2F: Too steep	8	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Not exact, but shaped condition to capture the likely 'Too steep' area(s). Didn't observe (because of snow), but seeps and drainages could be present too. Will also serve as L.T. Retention for harvests occurring in Stand 21.							
22	Unavailable	2F: Too steep	6	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: The portion of Stand 48 excluded during '11YOE sale prep as 'Too steep' and/or Racket Creek corridor protection.							
23	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Not exact, but shaped condition to capture the likely 'Too steep' area(s). Didn't observe (because of snow), but seeps and drainages could be present too.							
24	Unavailable	2F: Too steep	7	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Not exact, but shaped condition to capture the likely 'Too steep' area(s). Numerous seep complexes that feed Section 13 Creek (in Stand 31) located in and at bottom (Std.31) of this 'Too steep'.							
25	Unavailable	5E: Long-Term Retention	0	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments: Depression with high stocking of advanced sugar maple regeneration. Could expand/contract this S.C. during Stand 20 sale prep.							
26	Unavailable	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John St. Pierre : Examiner

Compartment: 58
Year of Entry: 2021

28	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small, steeper sloped northern area of Stand 6 that wasn't clearcut with Stand 5 back in the early 80's. Small size and steeper/difficult slope doesn't make it worth including with the Crown Thin currently rx'd in the remainder of Stand 6. Consider treating with Stand 5 when it's managed in the future.							
29	Unavailable	5E: Long-Term Retention	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: L.T. Retention for the final harvest occurring in Stand 21. Steep with little option to turn at the bottom of this S.C..							
30	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments: Generally pole sized mix of good form northern hardwood. Eastern areas part of sale that took place in Stand 14 C59 in early 2000's (orange marked trees still visible).							
31	Unavailable	3G: Other Influence zones - See comments	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Carrying forward the SCA that has covered this stand since 2009. Was previously a 'Habitat Area' SCA. Now captured as 'Springs, Wetlands, Riparian Areas' SCA. See stand comments regarding all the unique features found within this stand.							
33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This portion of Stand 11 is on mostly level ground prior to the prominent down slope that leads toward the Jordan River. Marginal quality hardwood that could be harvested when (all or portions of) Stand 5 is treated in '31 YOE.							

Report 4 – Site Conditions

Gaylord Mgt. Unit
John St. Pierre : Examiner

Compartment: 58
Year of Entry: 2021

34	Unavailable	5E: Long-Term Retention	2	2F: Too steep	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
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Comments:

Boundary excluded L.T. Retention for the portion of Stand 11 prescribed for harvest. Not exact but meant to capture 'Too steep' area leading down toward a perennial seep fed stream that empties into the Jordan River.



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
	Habitat Area		SCA	27
Comments				
Maintain SCA for unique stand attributes and wildlife values, influences on the Jordan River.				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
1	4119 - Mixed Northern Hardwoods	Sawtimber Well	12.3	85	111-140	N/A	Creek along southern boundary, flows west into JRiv. Two distinct/different areas within this stand, small acreage, didn't split. ~Southern 1/2 is a higher stocked mix of marginal HM, BW, RM stems with scattered decent quality stems. Very minimal seed/sap regen in this area (appears Rx hasn't occurred here in a while, missing the non-desirable regen 'flush'). Once into western areas (near slope to JRiv) and north portion, stocking decreases (except in A-clone pockets), quality takes a big hit (open grown/wolffy), and the non-desirable seed/sap layer is much more dense (RM, IW, BE). A very linear 'feature', prob old access to JRiv, in south. Another, perhaps seasonal drainage 'valley', in north.																																																										
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2	4110 - Sugar Maple Association	Sawtimber Well	53.1	85	111-140	N/A	A good portion of ~center is atop a generally level hill top. NW face is steep, SW might be 'Too steep' in areas. Gradual slopes in remain locales that lead up to center flat area. HM DBH's vary. A lot of HM sap/poles, especially in northcenter areas that extend into C50S27. Some higher quality stems (a few in north, some in south), yet a lot of marginals across all species with defect (multi-stem common). Scat aspen indivs and small clonal pckets (east & hilltop). Trace logRO, living logWA (WA snags thruout). TGin'09= MOSTLY ROLLING HILLS WITH SOME FLAT AREAS AND SOME VERY STEEP. LOTS OF SUPPRESSED HM 2-4" DIAMETER ~ 35 FEET TALL. AREAS OF NOT VERY GOOD QUALITY - CLUMPY. SUGAR MAPLE SI = 62.																																																										
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3	310 - Herbaceous Openland	Nonstocked	1.0		Unspecified	No	All the signs of a old landing. Small but clean. Spotted knapweed with other grasses.																																																										
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4	310 - Herbaceous Openland	Nonstocked	1.1		Unspecified	No	Small, very clean, knapweed with grass opening. Seep complex that results in a flowing stream located not far to east in Stand 11.																																																										
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5	4130 - Aspen	Poletimber Well	100.5	35	51-80	N/A	Cut '81-84. Where aspen overstory dominates (most places) there's generally a sub-canopy component of NHD species, usually heavy to IW, HM, and lesser components of RM, WA, BC. Overstory in some perimeter and interior areas dominated by NHD saps/a few poles. Ironwood saps usually overwhelming in such locations. BTA/QA DBH's vary but small/med poles most common. Observed some small log sizes. Rolling terrain, steeper spots in west. Logger 'skipped' a few trees in these areas. GPS'ed a small seep complex w/flowing water on north boundary near Stand 2.																																																										
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6	4110 - Sugar Maple Association	Sawtimber Well	57.8	87	111-140	N/A	<p>Eyeballs said M6, numbers say M9. 75% of the 12 BA-swings had >30% 'in' log size trees. Went with M9 yet this stand isn't heavily stocked with saw (BW is majority of saw). Plethora of HM saps&poles in sub-canopy (it's quite dense). A lot of 3-5" saps and 5-8" poles. Quite a few with good form, others suppressed/flat tops. Many beginning to co-mingle in & with the overstory canopy. Non-desirable sub-can species were rather benign but present (beech saps heavier in S/SW). Overstory is decent/better quality pole/smaller log HM, single&multi-stem BW of varying log/pole size and form/quality, and more red maple (variable log size/quality) as you move south. Overall quality decreases as you move south. Trace A.Elm, BTA, and quite a few large snagged out WA present. Cored a 15" BW that showed a growth release ~30yrs ago. No obvious signs of past management. Hilly with probable 'Too steep' in SE (seep w/flowing water there too) and in southcentral. N.Country Path along south boundary.</p>																																																																		
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7	310 - Herbaceous Openland	Nonstocked	1.0		Unspecified	No	<p>Saw 1-Juniper, few WhtSpruce on edge, knapweed throughout, Raspberry on edges, and some invasive/non-native Honeysuckle on edge. Not yet being reclaimed, still a small yet clean opening.</p>																																																																		
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8	310 - Herbaceous Openland	Nonstocked	0.8		Unspecified	No	<p>Small opening. South half is clean, north has some scrub cherry, aspen, maple, and juniper saps & poles. Spotted knapweed present.</p>																																																																		
9	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	46.4	85	111-140	N/A	<p>A lot of marginals (across most species) with scattered ok/better quality stems mixed in. No rhyme/reason as to when better stems pop-up. Somewhat 2-aged with what I'd consider a good stocking of subcan&can HM poles throughout, some with promising form. Xlog aspen a strong component (mostly BTA, QA closer to Sec.13 Crk), as individuals, most in clone clumps of +-12 or so. Some have fallen out, dense IW/BE regen in those areas. Canopy RM prevalent in north (some xlogs) and nearing creek (poles/logs). Trace Elm/YB in can. Variable DBH's and BA (50-220) depending on where you are. Doesn't appear to of been managed (at least not for some time, no record found). NCPATH and Natural Rivers Buffer populate the western boundary.</p>																																																																		
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10	3301 - Low Density Deciduous Trees	Nonstocked	22.2		Unspecified	No	Unclear if a failed final harvest or an area that has historically been open/low density trees. May of been cut along w/Std5 in '81-84. A lot of scrub sap & pole cherry. Composition is clumpy, areas ~forested then moves into non-forested. Quite a bit of WLD sign (tracks in snow) when I visited. Observed trace invasive honeysuckle and scotch pine. Surrounding stands/timber types dip in/out of this stand along perimeter.		
				Canopy Species	Density	Avg. Height		Size	
				Cherry (spp.)	High	10 - 20 feet		Sapling	
				Cherry (spp.)	Medium	>20 feet		Pole	
				Sugar Maple	Low	10 - 20 feet		Sapling	
				Red Maple	Low	10 - 20 feet		Sapling	
				Beech	Trace	5 - 10 feet		Sapling	
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				Sugar Maple	Low	>20 feet		Pole	
				Hawthorn (spp.)	Trace	< 5 feet		Tall Shrub	
				Juniper	Low	5 - 10 feet		Tall Shrub	
				Honeysuckle (spp.)	Trace	< 5 feet		Tall Shrub	
				Scotch Pine	Trace	5 - 10 feet		Sapling	
11	4119 - Mixed Northern Hardwoods	Sawtimber Well	125.1	85	111-140	N/A	Overall poor quality in most areas, many species multi-stemmed. Shape of north boundary is the result of past Rx's being run up to the prominent slope the leads south down to J.Riv. Numerous high risk/inoperable areas. Composition can change quickly. NHW species most prevalent, some mid-slopes closer to JRiv & western areas have a strong aspen component (some near cycle end). Slopes (most 'Too Steep'), seeps, perennial/intermitt drainages common. Drainages have carved out areas. Mapped two streams, one very prominent that originates from a seep complex located at the top of the 'witches hat' shaped center portion of the stand, near Std4. Stream flows into JRiv and doesn't appear seasonal. Merged a 6ac inclusion (was M6Std9 in '09) of ~somewhat better quality stems into this stand.		
				Canopy Species	Density	Avg. Height		Size	
				Sugar Maple	Low	10 - 20 feet		Sapling	
				Beech	Medium	10 - 20 feet		Sapling	
				Ironwood	Medium	10 - 20 feet		Sapling	
				Sugar Maple	Low	< 5 feet		Seeding	
				Ironwood	Medium	< 5 feet		Seeding	
				Black Cherry	Low	< 5 feet		Seeding	
				Striped Maple	Trace	10 - 20 feet		Sapling	
12	310 - Herbaceous Openland	Nonstocked	5.3		Unspecified	No	Same composition as the opening in Stand 07 with areas of scattered cherry and aspen. Has all the signs of previously being a landing location (mounded edges).		
				Canopy Species	Density	Avg. Height		Size	
				Spotted Knapweed	High	Unspecified		Non-Wood	
13	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	55.3	105	111-140	N/A	Edge call, difficult to get to interior locations. Was on either side of this stand on numerous occasions. Built upon what Greco had listed from '09. M-types sneak in along perimeter locations. T.G. in '09 = SWAMP AROUND JORDAN RIVER. MOSTLY SMALL DIAMETER CEDAR AND HEMLOCK. DEER BROWSE COMMON. CEDAR SI = 37.		
				Canopy Species	Density	Avg. Height		Size	
				Red Maple	Low	< 5 feet		Sapling	
				Canopy Species	% Cover	Size Class		DBH	Age
				Yellow Birch	10	Pole		8	
				Northern White Cedar	40	Pole/Log/XLog	8	105	
				Hemlock	25	Log/Pole	10		
				Black Spruce	6	Pole	7		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																						
14	4199 - Other Mixed Upland Deciduous	Sawtimber Well	35.6	85	111-140	N/A	<p>Fine line of being an AorMD-type. Something for everyone here. Aspen dominates eastern 1/3, along Pinney BrdgRd, and then becomes scattered in clumps/clonal pockets moving west. NHW dominates all remaining areas. Conifer mixes close to JRiv (hem, WP, NWC clumps, ~fir), trc BE/WA/BikChrry. Seeps, slopes (some steep), drainages common. East 1/3 south of Pinney very seepy/squishey, YB p/saps and smaller DBH's prevalent in seepy area (cattail marsh there too). Decent, generally diverse sap layer starting to recruit in areas. TG=LET STAND CONVERT TO HDWD TO AVOID BEAVER PROBLEMS AND VISUAL CONCERNS. SOME WET AREAS WITH SEEPS.</p>																																																																																						
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15	4110 - Sugar Maple Association	Sawtimber Well	15.3	85	111-140	N/A	<p>Sugar maple and BW dominate, variable DBH's for both, medium log size most common. Like TG said, west half is flat before steep slope drop off to east. Stem quality/form better in east at slope bottom. Poorer quality, multi-stem on top in west, more IW saps on top too. Seeps/squishey/wash-outs in some mid-slope areas, a few yellow birch in these spots. Couple clumps of xlog BTA present. Most of the slopes present are 'Too Steep'.</p> <p>TG in'09 = WEST HALF IS FLAT AND DROPS OFF TO THE EAST. MULTI STEM CLUMPS COMMON. SOME GOOD SINGLE STEMS. SUGAR MAPLE SI = 62.</p>																																																																																						
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16	4139 - Aspen, Mixed Deciduous	Poletimber Well	39.5	37	1-50	N/A	<p>Couldn't locate a cut record. Aspen dominated areas and M-Type dominated areas. MIBest IR shows it well. Darker red is M-Type (stump-sprt S/P & P/S HM, multi-stem P/S BW, and a surprising amount of P/S BC) and lighter red is aspen (mostly QA, med size pole). Blk cherry of mediocre form/quality doing well and dominating some areas. QA generally avg. quality, some poorer qual in east (wet/seeps there). BTA poles in south finger east of Std19 looked good. BW seeds/saps quite prevalent, a lot of IW regen. BA generally <70.</p>																																																																																						
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17	310 - Herbaceous Openland	Nonstocked	1.7		Unspecified	No	<p>Small but clean opening. Had to of been the landing when Std16 was cut. Like all the other openings I've seen in this comp, spotted knapweed is present.</p>																																																																																						
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18	4130 - Aspen	Sawtimber Well	19.4	50	81-110	N/A	DBH's in transition from A6 to smaller log A9. Log sizes have slight advantage yet not well stocked w/logs. Areas heavier to BTA clones have/are converting to small/med size log. QA clones lagging behind, most still pole. BA's swings variable (90,80,140,160). A few 'logger skipped' these trees seem to be present (now larger log size Blkchrry, RM, HM, BW). Sub-can w/desirables and some non-desires, scat Am.elm was a welcom site. Merged Std12 from Comp57 into this stand (was an A6). Re-visited 5/2/19 to see snow-off. Ground was soft but not holding water, no seeps observed.																																																																	
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19	6120 - Lowland Cedar	Sawtimber Well	8.4	109	141-170	N/A	Mixed cedar stand a top ground very close to water table. Two seep fed streams begin on west boundary, then flow into Racket Crk. A 'main vein' of cedar (~west 1/2), inside which BA's are high and DBH's are mainly pole size. Some very large xlog cedar/decid sizes on 'vein' perimeter. Eastern areas marshy and very low stocked with scattered cedar clumps (more saps there too, some YB). Wildlife using heavily as cover, so no NWC/Hem regen. Large old stumps observed. NCPATH skirts southern bound.																																																																	
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20	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	93.7	87	111-140	N/A	Healthy but mediocre quality. A few decent quality stems here/there. BW and HM dominate. BTA&QA make a strong showing east of Racket Creek, in southern 'bowl', and perimeter near Std18. Am.Elm scat about in canopy and decent presence in sub-can. 2-prominent seep feed streams east of Racket Crk (they originate in Std19), flow NW then into Racket. Rolling terrain, didn't see anything 'Too steep'. NCPATH winds through southern portions of stand. Trace hemlock & y.birch (creek corridors), and beech observed.																																																																	
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21	4110 - Sugar Maple Association	Sawtimber Well	107.7	85	111-140	N/A	Racket Creek travels through middle of this stand, NCPathway too. Stands 'X' shape mainly the result of past/adjacent Rx's. A mix of marginal and decent/to good quality&form stems (HM, BW). Marginals w/decent stems common in NW&NE 'blobs'. Highest quality in SW 'blob', poorest in SE. SE blob has a copious amount of WA mortality (log DBH), most on the ground, some snags remain. 2-prominent 'hills' w/steep slopes in SE, south boundary along Std23 'Too steep' and nowhere for equip to turn. A few other areas in this stand, generally near Racket Crk, are 'Too steep'. Mentionable stocking of better form/quality HM sap/pole present in sub-can.																																																													
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22	310 - Herbaceous Openland	Nonstocked	0.9		Unspecified	No	Small opening, probably an old landing. Starting to be reclaimed by tree species. Cherry saps/poles/logs present. NCPathway skirts southern boundary.																																																													
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23	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	10.4	85	141-170	N/A	Stream corridor stand for sure. Racket Creek forms in the east, right where this stand begins. Hemlock/cedar much more dense immediately along the creek, variable DBH's. Then lower density/broad mixing of northern hardwood/conifer species outside the 'core' creek area. Stand 'tapers' into a northern hardwood stand as you move further away from creek (w/scat hemlock clumps). Steep and/or inoperable slopes along pretty much the entirety of the stand. Wildlife corridor when I visited, so no cedar/hemlock regen.																																																													
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24	310 - Herbaceous Openland	Nonstocked	0.8		Unspecified	No	CLEAN SMALL GRASS OPENING IN A DEPRESSION.																																																													
25	310 - Herbaceous Openland	Nonstocked	0.9		Unspecified	No	SMALL CLEAN GRASS OPENING - SLIGHT DEPRESSION.																																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments									
26	310 - Herbaceous Openland	Nonstocked	0.8		Unspecified	No	Old landing with earthen mounds/piles present. One colony of phragmites present, very tall, so I believe it to be the exotic/invasive variety. Other invasive concerns present too (honeysuckle and mullen).									
								Canopy Species	Density	Avg. Height	Size					
								Blackberry/Raspberry	Medium	5 - 10 feet	Tall Shrub					
								Honeysuckle (spp.)	Low	5 - 10 feet	Tall Shrub					
								Phragmites (exotic)	Low	Unspecified	Non-Wood					
								Ironwood	Low	Variable	Sapling					
								Sugar Maple	Low	Variable	Sapling					
								Beech	Low	Variable	Sapling					
								White Ash	Low	Variable	Sapling					
27	4110 - Sugar Maple Association	Sawtimber Well	256.5	85	81-110	N/A	Thinned in '05 (see Draft notes). Took 23-swings, varied quite a bit (106BA avg, ranged 40-170). Variability forced many swings. BA range could fit into low range of 111-140 on the right day. Very noticeable amount of orange marked trees still standing (xlog to sap), Greco saw this in '09, yet not enough to influence overall BA variability. Overall better quality HM, some decent BW stems, but marginals of both common. Perimeter locales pick up lower % species (RM in NW, Hem in SW). Scattered Elm,BC,BE throughout. Some areas of better HM seed/sap regen, most mersiously browsed (frowny face). Merged a few small southern 'chunks' into this stand that most likely weren't part of '05 thin.									
								Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
								Sugar Maple	57	Log/Pole	12	85	Sugar Maple	Medium	Variable	Sapling
								Basswood	30	Log/Pole	11		Beech	Medium	Variable	Sapling
													Ironwood	High	5 - 10 feet	Sapling
													Ironwood	High	< 5 feet	Seeding
													Ironwood	Low	>20 feet	Pole
													Beech	Medium	< 5 feet	Seeding
													Sugar Maple	Medium	< 5 feet	Seeding
													Sugar Maple	Medium	>20 feet	Pole
													White Ash	Low	Variable	Sapling
													Basswood	Low	Variable	Sapling
													Prickly Or Wild Gooseberry	Low	< 5 feet	Tall Shrub
													American Elm	Trace	>20 feet	Sapling
								28	310 - Herbaceous Openland	Nonstocked	1.1		Unspecified	No	SMALL NARROW GRASS OPENING IN A DEPRESSION - SOME CHERRY.	
29	310 - Herbaceous Openland	Nonstocked	0.8		Unspecified	No	Old landing with mounds/piles still present. Invasive concerns. A couple of phragmites colonies, very tall, believe it to be the non-native/invasive variety. Honeysuckle too.									
								Canopy Species	Density	Avg. Height	Size					
								Blackberry/Raspberry	High	5 - 10 feet	Tall Shrub					
								Phragmites (exotic)	Low	Unspecified	Non-Wood					
								White Ash	Low	Variable	Sapling					
								Sugar Maple	Low	Variable	Sapling					
								Ironwood	Low	Variable	Sapling					
								Honeysuckle (spp.)	Low	5 - 10 feet	Tall Shrub					
Elderberry	Low	5 - 10 feet	Tall Shrub													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
30	310 - Herbaceous Openland	Nonstocked	2.9		Unspecified	No	Fairly open/clean. Saw one Scotch pine seedling <3ft. Probably an old landing but wasn't 'all beat up' (no mounds, piles, etc.). Defined forest rd/old skid trail close to southern boundary.					
								Canopy Species	Density	Avg. Height	Size	
								Black Cherry	Medium	>20 feet	Sapling	
								Black Cherry	Medium	>20 feet	Pole	
								Sugar Maple	Medium	5 - 10 feet	Sapling	
								American Elm	Trace	>20 feet	Log	
								Basswood	Trace	>20 feet	Log	
								Ironwood	Low	Variable	Sapling	
								Beech	Trace	< 5 feet	Seeding	
								Spotted Knapweed	Medium	Unspecified	Non-Wood	
								Honeysuckle (spp.)	Low	5 - 10 feet	Tall Shrub	
								Hawthorn (spp.)	Trace	< 5 feet	Tall Shrub	
Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub									
31	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	27.3	85	141-170	N/A	Southern boundary loaded with seeps that gradually build up momentum and converge in NW to form Section 13 Creek. Lowland 'core' corridor dominated by hemlock in areas, NWC in other areas. RM prevalent throughout. Upland 'rollers' in north more NHW dominant w/Hem clumps. Southern rollers more of a RM/Hem mix. Took most BA swings in 'core' area, NHW %'s might be a bit higher than canopy data reflects. A few sub-acre non-forest areas where seeps emerge, largest one is in SE. Observed quite a few old, large stumps. Trace canopy BE. A stand very much worth visiting and protecting.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	32	Pole/Log/XLog	9	85
								Northern White Cedar	26	Log/Pole/XLog	10	
								Hemlock	26	Log/Pole/XLog	13	130
								Yellow Birch	6	Log/Pole	11	
								Canopy Species	Density	Avg. Height	Size	
								Sugar Maple	Low	>20 feet	Sapling	
								Sugar Maple	Low	>20 feet	Pole	
								Ironwood	Low	Variable	Sapling	
								Ironwood	Low	>20 feet	Pole	
								Beech	Low	5 - 10 feet	Sapling	
Red Maple	Low	>20 feet	Sapling									
Yellow Birch	Low	>20 feet	Sapling									
32	310 - Herbaceous Openland	Nonstocked	1.7		Unspecified	No	Grassy opening in a depression. Similar to it's cousin to Stand 30 to the west. Mostly clean. Old ground blind on PVT prop along east line.					
								Canopy Species	Density	Avg. Height	Size	
								Black Cherry	Medium	>20 feet	Sapling	
								Black Cherry	Medium	>20 feet	Pole	
								Sugar Maple	Medium	5 - 10 feet	Sapling	
								American Elm	Trace	>20 feet	Log	
								Basswood	Low	>20 feet	Log	
								Ironwood	Low	Variable	Sapling	
								Beech	Trace	< 5 feet	Seeding	
								Spotted Knapweed	Medium	Unspecified	Non-Wood	
								Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub	
								33	629 - Mixed non-forested wetland	Nonstocked	3.6	
Canopy Species	Density	Avg. Height	Size									
								Northern White Cedar	Medium	>20 feet	Log	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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35	310 - Herbaceous Openland	Nonstocked	2.2		Unspecified	No	CLEAN OPENING IN A VALLEY. DROPS DOWN TO A DRIED POND ON THE EAST EDGE. SOME CHERRY MOVING IN.
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36	310 - Herbaceous Openland	Nonstocked	2.1		Unspecified	No	What Greco said: "Looks like it holds water, seasonally". Lowland shrubs present, some QA pole/logs on north boundary. NHW saps/poles along boundary too. Mentioned this is Std38/50 comments, the areas surrounding this stand and Std45 (G0) have an M8/9 canopy with a high/full sap layer that's quite heavy to HM regen. Not sure if it's the result of past Rx, being close to water table, terrain variability, combination, or none of the above. Good to see either way.
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37	4110 - Sugar Maple Association	Sawtimber Well	88.1	85	81-110	N/A	Something happened here but have no record (thin ~20yrs ago?, elm salvage?). Variable BA's swings, 50-150, with a 101BA avg, could fit into 111-140 on the right day. Canopy is a mix of marginals w/some better stems here/there. Quality seemed to improve in western locales. Larger avg. DBH's than most other stands in C58. BC and Elm scattered throughout, trace canopy BE, Hem, YB. Regen layer is interesting, 2-classes of HM/IW saps (response to past Rx's?). A layer of older HM/IW saps >20ft (consistent throughout, 2-5", ~60yrs), then a layer of younger 5-20ft saps (<1"). Younger HM regen quite dense in areas (east finger especially), then areas with none of this regen.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	42	Log/Pole/XLog	13	
Basswood	45	Log/Pole/XLog	14	85
Black Cherry	8	Log/XLog/Pole	14	

Canopy Species	Density	Avg. Height	Size
Sugar Maple	High	Variable	Sapling
Ironwood	Medium	Variable	Sapling
Ironwood	Medium	< 5 feet	Seeding
Ironwood	Low	>20 feet	Pole
Beech	Low	< 5 feet	Seeding
Beech	Low	10 - 20 feet	Sapling
Sugar Maple	Medium	< 5 feet	Seeding
Sugar Maple	Medium	>20 feet	Pole
American Elm	Low	>20 feet	Sapling
Black Cherry	Trace	Variable	Sapling
Hemlock	Trace	>20 feet	Pole

38	4110 - Sugar Maple Association	Sawtimber Well	102.5	85	81-110	N/A	Thinned '04/05, 7-swings returned 108BA avg. Overstory residuals generally better form and quality, looked healthy. HM regen is present, somewhat good, but generally found in patches. IW saps/seeds have staked a claim in most areas. Minimal BE regen. Area near/bordering Stds36/45 (G0's) have an M8/9 canopy with a high/full sap layer of mainly HM. This extends east into areas of stand Std50 (areas the Regen Rx doesn't cover). Rolling terrain. Merged a few northern 'chunks' into this stand that weren't part of '05 thin. 'Orphan' chunk in north surrounded by Std31 is heavy to canopy RM. Sub-acre inclusion heavy to sub-can elm and can elm/b.cherry squished between Stds 39/40.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	55	Log/Pole/XLog	12	85
Basswood	34	Log/Pole/XLog	14	

Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	Variable	Sapling
Ironwood	High	10 - 20 feet	Sapling
Ironwood	High	< 5 feet	Seeding
Ironwood	Low	>20 feet	Pole
Sugar Maple	Medium	< 5 feet	Seeding
Sugar Maple	Medium	>20 feet	Pole
White Ash	Low	Variable	Sapling
American Elm	Trace	>20 feet	Sapling
Hemlock	Low	>20 feet	Pole
Blackberry/Raspberry	Low	5 - 10 feet	Tall Shrub
Beech	Low	< 5 feet	Seeding
Beech	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
39	310 - Herbaceous Openland	Nonstocked	8.9		Unspecified	No	Quite a bit of invasive suckle along perimeter and some interior. Token RP, BW, and Elm scattered around. Cherry clumps throughout. East area definitely holds water, can see it on imagery. Probably seasonal.					
								Canopy Species	Density	Avg. Height	Size	
								Honeysuckle (spp.)	Medium	5 - 10 feet	Tall Shrub	
								Red Pine	Low	>20 feet	Log	
								Basswood	Low	>20 feet	Log	
Cherry (spp.)	Medium	10 - 20 feet	Pole									
Blackberry/Raspberry	Medium	5 - 10 feet	Tall Shrub									
40	42110 - Planted Red Pine	Sawtimber Well	6.5	56	111-140	N/A	Rows range anywhere from 1 to ~12 wide (bigger 'blobs'=more rows). Average was 3-6 rows. This made RP stocking levels/BA's quite inconsistent (ranged 70-230, less if you subtract scat deciduous stems). Some limby open grown RP's in perimeter locales, better quality where stocking is heavier. Some of, if not the best/desirable regen I've witnessed in this comp. Full HM saps in southern poly, high in north poly. Black cherry and elm regen too. IW regen scarce but more prevalent in north poly, minimal BE. Scat elm in canopy.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Pine	94	Log/Pole	12	56
								Canopy Species	Density	Avg. Height	Size	
								Sugar Maple	Full	10 - 20 feet	Sapling	
								Ironwood	Medium	10 - 20 feet	Sapling	
								Beech	Low	10 - 20 feet	Sapling	
								Black Cherry	Low	Variable	Sapling	
								American Elm	Low	Variable	Sapling	
								Basswood	Trace	Variable	Sapling	
Sugar Maple	High	< 5 feet	Seeding									
Hawthorn (spp.)	Low	5 - 10 feet	Tall Shrub									
Honeysuckle (spp.)	Medium	5 - 10 feet	Tall Shrub									
41	310 - Herbaceous Openland	Nonstocked	0.9		Unspecified	No	Rubus, low, evenly scat 1-Scotch Pine sap IW/HM saps, medium, perimeter Black Cherry pole/log, clump of					
42	310 - Herbaceous Openland	Nonstocked	0.8		Unspecified	No	Rubus, medium, evenly scat Invasive Honeysuckle, medium, along perimeter IW/HM saps, medium, perimeter Black Cherry pole/log, clump of					
43	122 - Road/Parking Lot	Nonstocked	1.0	0	Unspecified	No	PARKING AREA FOR LANDSLIDE OVERLOOK. OUTHOUSE AND INFO SIGNS.					
44	4110 - Sugar Maple Association	Sawtimber Well	16.2	85	51-80	N/A	Selection completed in '15. Overstory residuals appeared healthy, can. closure low end of 75-100%. Re-inventory regen Rx, so spent most time assessing sub-can regen layer. Too soon to call a failure, heading in that direction. What's listed in the sub-can is mainly the regen response to the selection. Nearly all listed species were <1" DBH but >3ft. There's also a 'layer' of larger DBH/taller saps. I assume these to of been present prior to harvest (MiFI wouldn't allow 2-sap listing of same specie). Those species were: IW Med Sap 10-20ft, BE Med Sap V, SM Sap Low >20ft. Some regen the result of stump-sprouts, some from seed. Browse was apparent but didn't appear to be recent.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Sugar Maple	69	Log/Pole	12	85
								Yellow Birch	8	Log/Pole/XLog	14	
								Basswood	14	Log/Pole	12	
								Canopy Species	Density	Avg. Height	Size	
								Sugar Maple	Medium	5 - 10 feet	Sapling	
								Beech	Medium	5 - 10 feet	Sapling	
								Ironwood	High	5 - 10 feet	Sapling	
								White Ash	High	5 - 10 feet	Sapling	
Red Maple	Low	5 - 10 feet	Sapling									
Basswood	Medium	Variable	Sapling									
Witch Hazel	Low	5 - 10 feet	Tall Shrub									
Blackberry/Raspberry	Full	5 - 10 feet	Tall Shrub									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
45	310 - Herbaceous Openland	Nonstocked	0.8	0	Unspecified	No	No lowland shrubs present like Std36 but looks like it holds water, seasonally. NHW saps/poles along boundary. Mentioned this is Std38/50 comments, the areas surrounding this stand and Std36 (G0) have an M8/9 canopy with a high/full sap layer that's quite heavy to HM regen. Not sure if it's the result of past Rx, being close to water table, terrain variability, combination, or none of the above. Good to see either way.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
46	4110 - Sugar Maple Association	Sawtimber Well	36.3	85	81-110	N/A	Stand shape the result of recent ('15) thin Rx's north & south of. Except for some eastern and western areas, this stand resides a top a north facing 'Too steep' slope. Steepest feature I've observed in C058. A lot of WA mortality, most were large log. Some still standing snags, many as DDW. Beech more prevalent in western areas (w/scale and nearly dead). WA/BE mortality seems to be allowing recruit of HM in can/subcan positions. More M6 appearance in west. BW and HM generally marginal quality but some better quality stems are present.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	54	Log/Pole/XLog	12	85	Sugar Maple	Medium	>20 feet	Sapling
Basswood	34	Log/Pole/XLog	12		Beech	Low	10 - 20 feet	Sapling
Beech	8	Log/Pole	12		Ironwood	Medium	10 - 20 feet	Sapling
					Sugar Maple	Medium	>20 feet	Pole
					Beech	Low	< 5 feet	Seeding
					Ironwood	High	< 5 feet	Seeding
					Prickly Or Wild Gooseberry	Low	< 5 feet	Tall Shrub

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
47	4110 - Sugar Maple Association	Sawtimber Well	89.6	85	81-110	N/A	Re-inventory regen Rx, spent most time looking at regen layer. Canopy resides looked healthy though. Lumped together HM/IW sap classes (saps present prior to Rx, and those that established afterwards). HM sap classes are; >20ft (present before Rx) and 5-10ft (after Rx). IW classes; 10-20ft (before) and 5-10ft (after). Initial HM regen looks promising in areas. Per usual, IW is responding very well but HM seeds/saps are taking hold in many areas, some close to being above browse ht. WA seeds/saps 1-10ft, looking like they might let loose. BE & Rubus regen not overwhelming. Some southern areas either skipped or lightly marked. Trace Hem/BE in canopy, QA sub-acre pocket in SW, NWC in NW on steep slopes. Landslide scenic overlook and parking lot in stand. NCPATH along western boundary.

Canopy Species	% Cover	Size Class	DBH	Age	Canopy Species	Density	Avg. Height	Size
Sugar Maple	64	Log/Pole	12	85	Sugar Maple	Medium	Variable	Sapling
Basswood	25	Log/Pole/XLog	13		Ironwood	High	Variable	Sapling
					Ironwood	High	< 5 feet	Seeding
					Ironwood	Low	>20 feet	Pole
					Beech	Low	< 5 feet	Seeding
					Beech	Medium	5 - 10 feet	Sapling
					Sugar Maple	Medium	< 5 feet	Seeding
					Sugar Maple	Medium	>20 feet	Pole
					White Ash	Medium	Variable	Sapling
					Hemlock	Trace	>20 feet	Pole
					Basswood	Low	5 - 10 feet	Sapling
					Elderberry	Medium	5 - 10 feet	Tall Shrub
					Blackberry/Raspberry	Medium	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																			
48	4110 - Sugar Maple Association	Sawtimber Well	94.3	85	81-110	N/A	Selection completed in '15. Overstory residuals appeared healthy, can.closure low end of 75-100%. Re-inventory regen Rx, so spent most time assessing sub-can regen layer. Too soon to call a failure, heading that direction. What's listed in the sub-can is mainly the regen response to the selection. Nearly all listed species were <1" DBH but >3ft. There's also a 'layer' of larger DBH/taller saps. I assume these to of been present prior to harvest (MiFI wouldn't allow 2-sap listing of same specie). Those species were: IW Med Sap >20ft, SM Sap Low >20ft. STRONG IW response, BE high in spots. Saw less HM/BW regen than Std44, but bigger Rx area and 1ft of snow during my visit. Browse was apparent but didn't appear to be recent.																																																																			
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49	4110 - Sugar Maple Association	Sawtimber Well	79.3	85	81-110	N/A	Selection completed in '15. Overstory residuals appeared healthy, can.closure low end of 75-100%. Re-inventory regen Rx, so spent most time assessing sub-can regen layer. Must of been last units of 'Prime Cut Hardwds' to be cut, regen 'flush' not quite what I observed in units cut to the north. The 'flush' is poised to explode. Too soon to call a failure, heading that direction. What's listed in the sub-can is a mix of regen response from the selection and larger/taller saps present before harvest. Ironwood saps I couldn't include in sub-can were: Sap Med >20ft. Beech&WA regen will be prolific in areas very soon. 2ft of snow during my visit, difficult to observe seedlings if present. Browse was apparent, especially on BW stump-sprout saps (10-20ft if not browsed, <5ft if browsed).																																																																			
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50	4110 - Sugar Maple Association	Sawtimber Well	60.2	85	81-110	N/A	Thinned in '14. Overstory residuals appeared healthy, BA swings erratic/high, appears stand wasn't evenly marked (9-swings, 100BA avg). Re-inventory regen Rx, so spent most time assessing sub-can regen layer. Surprising lack of Rubus but recent heavy snowfall could've smothered these. Too soon to call a failure, heading that direction. What's listed in the sub-can is a mix of regen response from the selection and larger/taller saps present before harvest. HM saps (selection appears to of released these in areas) I couldn't include in sub-can were: Sap LowtoMed density 5-10ft. HM seeds/saps not above browse height are taking a beating. Decent stocking of marginal/decent form HM saps&poles (>20ft) throughout the stand. 2+ft of snow during my visit, difficult to observe the true seedling layer, but a lot of IW coming in. Trace overstory Hem (dead tops if alive) and saw one YB (that was alive). Elm still in canopy and sub-can positions. Merged a few small NW 'chunks' into this stand that weren't part of '14 thin. Areas not covered by the regen Rx (extending out from G0 Std45) have an M8/9 canopy with a high/full sap layer of mainly HM. This extends westward into areas of stand Std38 and around G0 Std36.																																																																			
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Stand **Level 4 Cover Type** **Size Density** **Acres** **Stand Age** **BA Range** **Managed Site** **General Comments**

51 4110 - Sugar Maple Association Sawtimber Well 58.4 85 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	56	Log/Pole	12	85
Basswood	36	Log/Pole	13	

Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	Variable	Sapling
Ironwood	High	Variable	Sapling
Ironwood	High	< 5 feet	Seeding
Ironwood	Low	>20 feet	Pole
Sugar Maple	Medium	>20 feet	Pole
Sugar Maple	Low	< 5 feet	Seeding
Beech	Low	< 5 feet	Seeding
Beech	Medium	5 - 10 feet	Sapling
White Ash	Medium	Variable	Sapling
Blackberry/Raspberry	High	5 - 10 feet	Tall Shrub
American Elm	Trace	>20 feet	Sapling
Elderberry	Low	5 - 10 feet	Tall Shrub

Re-inventory regen Rx, spent most time looking at regen layer. Canopy resides looked healthy though. Lumped together HM/IW sap classes (saps present prior to Rx, and those that established afterwards). HM sap classes are; >20ft (present before Rx) and 5-10ft (after Rx). IW classes; 10-20ft (before) and 5-10ft (after). Per usual, IW is responding very well, didn't see much HM seed/sap response yet. WA seeds/saps 1-10ft, poking through snow in spots. BE & Rubus regen high in areas. Has appearance of being the last PU of 'Landslide Hardwoods' to get cut.

52 4110 - Sugar Maple Association Sawtimber Well 26.0 85 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	40	Log/Pole/XLog	12	
Basswood	46	Log/Pole/XLog	13	85
Red Maple	8	Log/Pole	11	

Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	>20 feet	Sapling
Ironwood	Medium	5 - 10 feet	Sapling
Sugar Maple	Medium	< 5 feet	Seeding
Sugar Maple	Medium	>20 feet	Pole
Ironwood	Low	< 5 feet	Seeding
Ironwood	Low	>20 feet	Pole
Beech	Low	< 5 feet	Seeding
Beech	Medium	5 - 10 feet	Sapling
White Ash	Low	< 5 feet	Seeding
Hemlock	Low	>20 feet	Pole

Some orange marked trees and redline still visible. Greco commented "WEST EDGE WAS THINNED IN 1998". Believe the Rx originated out of C057 (NE portion of Std22) as I didn't find a record for it in C058 folders. Sub-can regen not overwhelmed with non-desirables. And did see areas with better HM seeds that were ~5ft. They showed signs of past browse pressure. NCPATH travels along northern and western boundary. Scat sub-can Hem, canopy Hem near Std.31. Steep slopes along east boundary.