

Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61009

Entry Year: 2027

Acreage: 1,781

County: Benzie

Management Area: Grand Traverse Moraine

Stand Examiner: Patrick Cotant

Legal Description:

T27N R14W sections 24, 25, 36

Identified Planning Goals:

This compartment is part of the Grand Traverse Moraine management area (MA). Vegetative management in the MA will produce various forest products; maintain or enhance biodiversity conservation and wildlife habitat; protect areas of unique character and threatened, endangered and special concern species; provide for forest-based recreational uses; and Native American non-commercial use of forest products. Timber management for this 10-year planning period includes improving the age-class structure of aspen and red pine and continued selection harvesting in high-quality northern hardwoods to achieve an all-age structure. Wildlife management objectives include increasing the structural complexity of northern hardwood communities for interior forest species and perpetuating early-successional communities for species adapted to young forests. Expected trends within this 10-year planning period are forest pest issues, particularly beech bark disease and emerald ash borer and an increase in recreational trail use. There are several mature aspen stands within the compartment with deteriorating, low-quality quaking aspen overstories and well-developed northern hardwood understories. Although the MA plan steers toward harvest and regeneration of such stands to aspen, some stands will be better managed by allowing natural succession to hardwoods. A multi-compartment Special Conservation Area, which includes hardwood stands in the north part of this compartment, is being proposed. Because of recent changes in biodiversity management direction, previously proposed parts of this SCA in compartments 4, 5, 8, and 10 have been adjusted, including elimination of SCA acreage in compartment 8. Emphasis of the revised SCA proposal is on interior hardwood forest. A description of intended management for the entire proposed SCA follows: This proposal is for a multi-compartment SCA, to be managed as core habitat for species requiring mature, interior northern hardwood forest. Stands will continue to be managed using timber harvest, but with emphasis on habitat rather than timber production. Post-harvest basal areas should be higher than normal (e.g. 90-110), therefore maintaining a higher canopy closure. Harvests should include creation of multiple down logs per acre, greater attention to retention of large-diameter, mast and cavity trees, conifers, and vertical structure, and emphasis on maintaining or improving tree species diversity.

Soil and topography:

Most of the compartment has Benzonia, Kaleva, and Nessen-Kaleva sands. Limited areas with Fogg-Benzonia sand or Marlette sandy loam harbor high-quality northern hardwoods. Most of section 24 and the northwest 2/3 of section 25 falls on a moraine ridge with level to rolling topography, including some steeper hills and a couple of shallow ponds. The southeastern 1/3 of section 25 and the north half of section 36 are on a pitted outwash plain with gently rolling topography and occasional kettle depressions. The south half of section 36 is on outwash plain, being flat to gently rolling with a couple of kettle depressions.

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

This compartment is almost completely surrounded by state forest land. There are two 80-acre private parcels within the compartment, apparently used for recreation and timber production. Some farms and rural residential properties lie within a mile or two of the compartment.

Unique Natural Features:

None.

Archeological, Historical, and Cultural Features:

The private east half of the northwest quarter of section 25 has evidence of an old homestead; previously cleared farm fields extend northeast onto state lands.

Special Management Designations or Considerations:

A large block of hardwood forest in section 24 is being proposed as part of a multi-compartment special conservation area, as described under "Identified Planning Goals" above.

Watershed and Fisheries Considerations:

This compartment is within the Platte River watershed, however with the exception of some fringe wetlands along section 24, there is no water to speak of in this compartment.

Wildlife Habitat Considerations:

The moraine ridge within Compartment 9 harbors northern hardwoods, mixed forest, and aspen associations. There are also a few small red pine plantations and forest openings. On pitted outwash plain within this compartment, there are northern hardwoods and aspen associations. There is also a red pine stand and several openings.

Wildlife considerations for northern hardwood stands involve maintaining tree species diversity, the protection of den/nesting trees & snags, coarse woody debris (CWD), and maintaining a scattering of any mast-producing trees/shrubs. This will insure use by many species of wildlife. Examples of species found include downy woodpecker, porcupine, sharp-shinned hawk, spotted salamander, wild turkey, and white-tailed deer. Ruffed grouse use different aged aspen throughout their life cycle. Younger stands provide cover while older stands provide buds and catkins (food source) for the winter months. Within each compartment, clearcutting helps facilitate different sized aspen trees by mimicking the necessary disturbance vital for regeneration. The inclusion of CWD trees for drumming logs and maintaining berry-producing shrubs is also desirable. Woodcock prefer areas that are similar to grouse, but with a higher water table. The moist soils allow woodcock to forage. Openings are evaluated for wildlife value and may require hand-felling to maintain this habitat type. Many wildlife species rely on small forest openings. These openings provide grassy nest sites, plentiful seeds and insects, and cover. Non-forest treatments should be timed to occur after any nearby timber in case the opening is needed for a timber landing. Examples of species include northern flicker, cottontail rabbit, and garter snake.

Mineral Resource and Development Concerns and/or Restrictions

There is no known potential for the occurrence of economic deposits of metallic minerals in this part of the state. The closest known active sand/gravel operation is just over one mile east. There is some potential for sand & gravel in the compartment on the uplands, but the compartment might be too far from populated areas (markets) for any aggregate resources to have much value beyond use by the county road commission or DNR for local road maintenance. The compartment is outside of the Antrim Shale gas play, and the Antrim Shale beneath the compartment is believed to be relatively thin and pinching out to the northwest. Potential for future Antrim gas development is considered very low. Potential for oil & gas from other known producing formations beneath the compartment is considered low at this time.

Vehicle Access:

Access is reasonably good throughout the compartment. There are some mud holes along Eliza Lake Road through section 24, making for difficult passage. Road berms on logging access trails in the south half of section 25 have been compromised and need to be restored.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

Three miles of the designated Shore to Shore Riding and Hiking trail are located within this compartment. One mile runs East/West along Hooker Rd, while the other 2 miles run NE/SW along Haze Rd. Snowmobile trail #3 (aka Platte River Trail) runs along the western edge of this compartment along Haze Rd. Trail protection specifications should be taken into consideration if treatments potentially impact these facilities. Specifically, appropriate measures identified in DNR Policy & Procedures "32.22xx Best Management Practices for Forest and Wildlife Management Adjacent to Recreational Trails" should be utilized. Furthermore, guidance provided by the DNR written "Logging Operations & Horse Events on State Lands" should be followed for sales impacting the Shore-To-Shore riding & hiking trail.

Fire Protection:

This area is protected by the Platte River DNR field office as well as Homestead Fire Department. Cover type here does not allow for very large fires. Pine plantations could pose a hazard for that fuel type. Access is OK in most of the area, and travel time for DNR units from the Platte River Field Office is acceptable. Urban Interface is not an issue here.

Additional Compartment Information:

The W½NW¼ of section 36 and the E½NW¼ section 25 are desirable parcels to acquire to block in state ownership should they become available for purchase.

The following reports from the Inventory are attached:

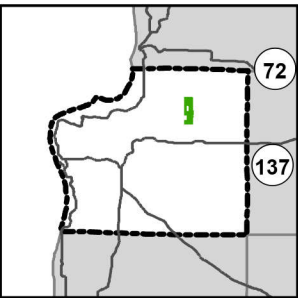
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

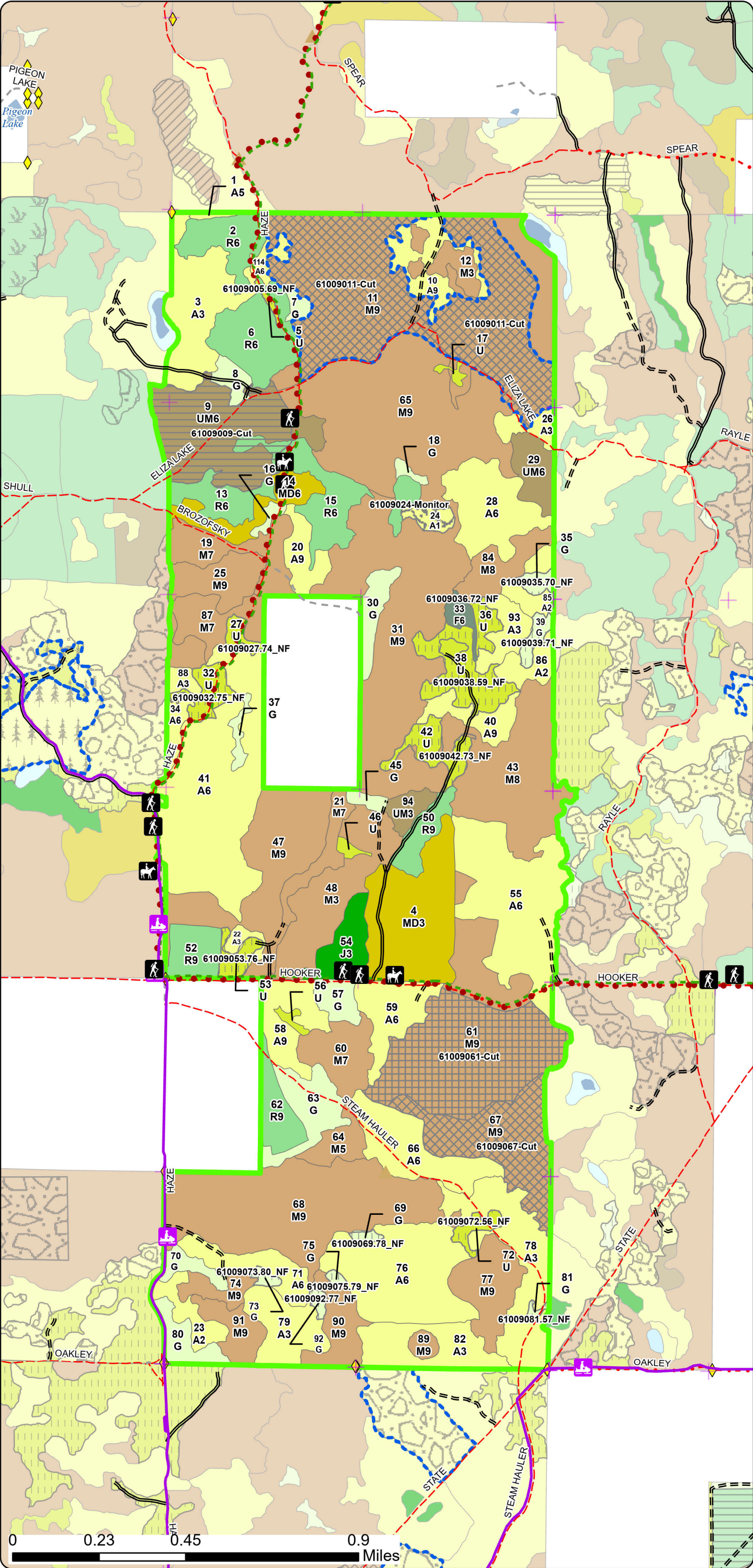
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 61009
T27N R14W 25-25, 36
County: Benzie
Unit: Traverse City
Mgmt. Area: Grand Traverse Moraine
YOE: 2027
Acres: 1,780.72 GIS Calculated
Examiner: Patrick Cotant
Date Exported: 7/1/2025
Map Phase: Web Post

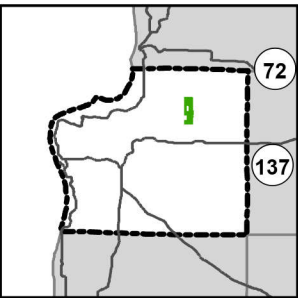


- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Designated Equestrian Trails
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lakes and Rivers
- Counties
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Selection
- Seed Tree
- Openings Mgmt.
- Monitoring - Regeneration
- Clearcut
- Selection
- Thinning
- Planting (tree species)
- Pesticide
- Openings Mgmt.
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- Herbaceous Openland

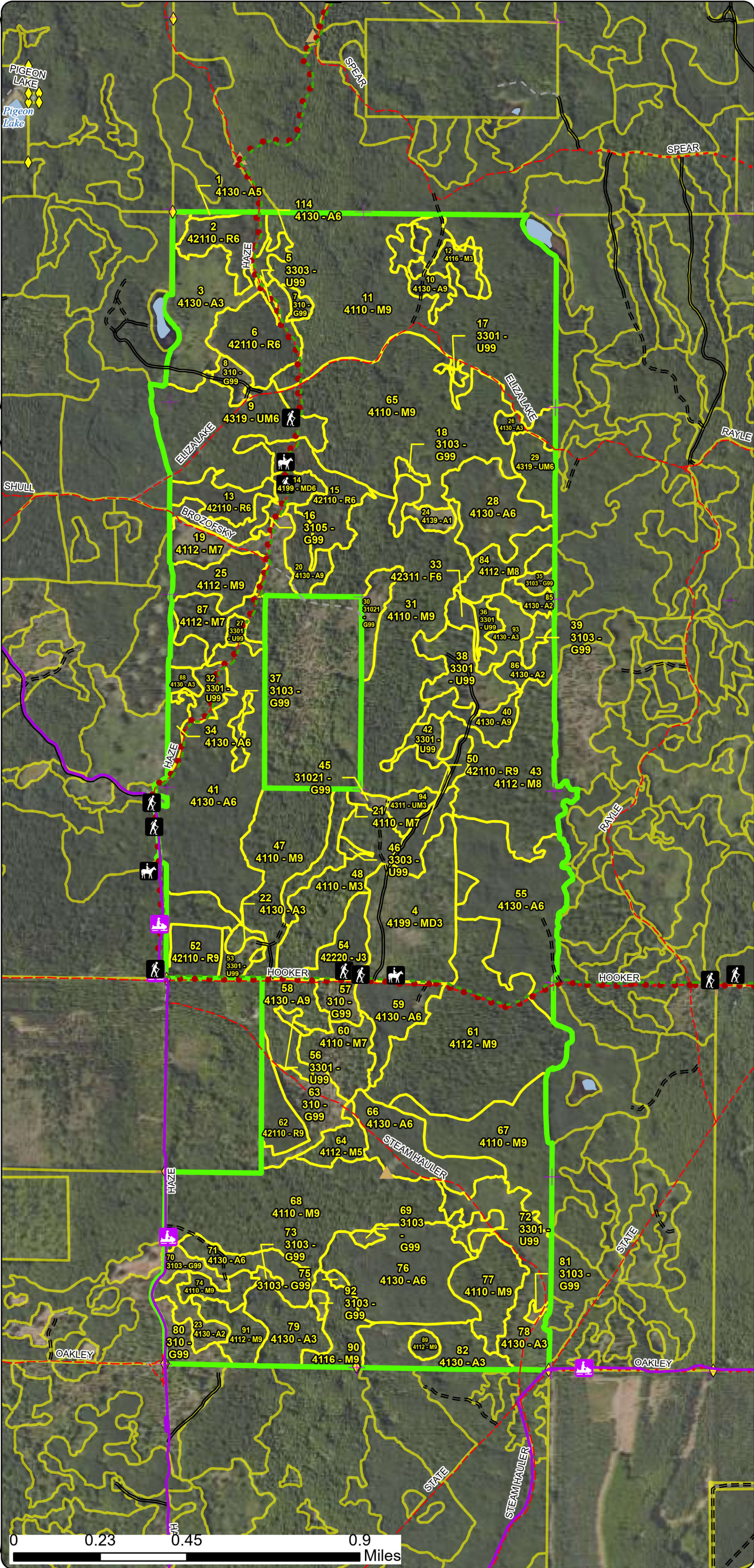


Stand Boundary Map

Compartment: 61009
T27N R14W 25-25, 36
County: Benzie
Unit: Traverse City
Mgmt. Area: Grand Traverse Moraine
YOE: 2027
Acres: 1,780.72 GIS Calculated
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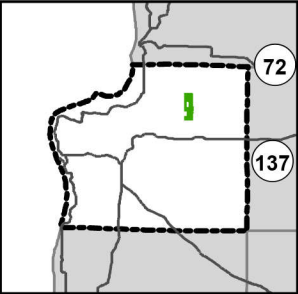


- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Designated Equestrian Trails
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
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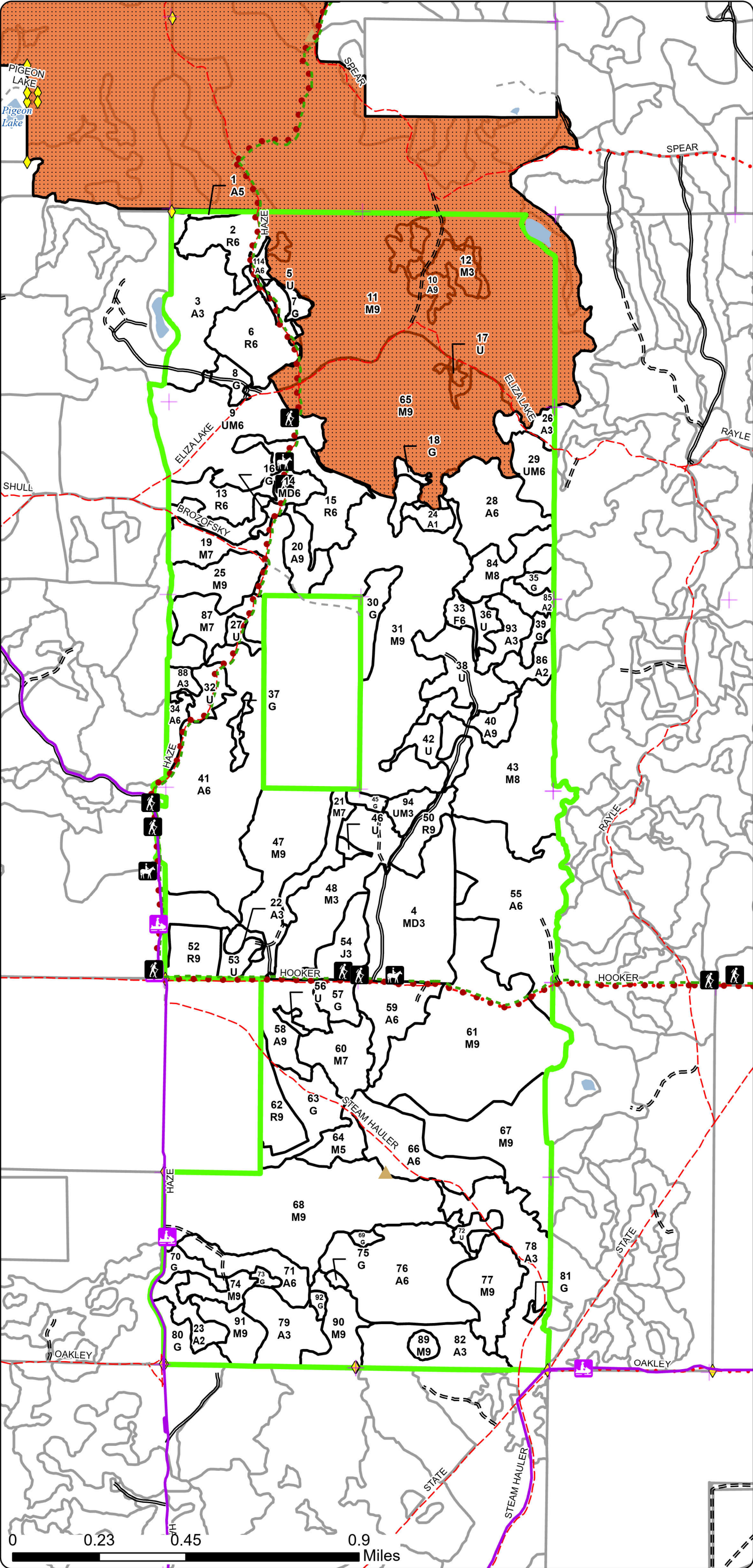


Special Conservation Areas
& Site Conditions Map

Compartment: 61009
T27N R14W 25-25, 36
County: Benzie
Unit: Traverse City
Mgmt. Area: Grand Traverse Moraine
YOE: 2027
Acres: 1,780.72 GIS Calculated
Examiner: Patrick Cotant
Date Exported: 7/1/2025
Map Phase: Web Post



- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Designated Equestrian Trails
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lakes and Rivers
- Counties
- Compartment Boundary
- Stand Boundaries
- SCA
- Other Habitat Area



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	96	59	52	230	9	0	36	0	0	0	0	0	0	0	0	0	18	500
Herbaceous Openland	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77
Jack Pine	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Low-Density Trees	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
Mixed Upland Deciduous	0	0	49	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	63
Northern Hardwood	0	9	0	36	0	0	0	15	0	0	141	447	208	0	0	0	0	26	882
Red Pine	0	0	0	0	0	0	80	0	33	0	0	0	0	0	0	0	0	0	113
Upland Mixed Forest	0	0	0	6	0	0	64	0	0	0	0	0	0	0	0	0	0	0	70
Upland Spruce/Fir	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Total	135	105	108	107	230	24	148	51	33	0	141	447	208	0	0	0	0	44	1780

Report 2 – Treatment Summary

Traverse City Mgt. Unit

Year of Entry: 2027

Acres of Harvest

Compartment 9

Total Compartment Acres: 1,781

Commercial Harvest - 342

Harvests with Site Condition - 268

Next Step Harvest - 0

Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversory Removal	Salvage	Other	Total Acres
Northern Hardwood	0	174	0	70	0	0	0	0	0	245
Upland Mixed Forest	52	0	0	0	0	0	0	0	0	52
Total	52	174	0	70	0	0	0	0	0	297

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	297	0	0	0	0	0	4	0	65	366
Next Step	0	0	0	0	0	0	315	0	0	315
Total	297	0	0	0	0	0	319	0	65	681

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

42	61009042.73_NF	10.2	3301 - Low Density Deciduous Trees	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
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Prescription This opening is dominated by bracken fern due to lack of natural disturbances. Mechanically treat bracken to reduce its extent, plant to annual rye for several years and then convert to an appropriate perennial pasture mix (i.e. clover/alfalfa) or native mix if soils will allow. Periodic maintenance such as mowing, fertilization, reseeding, burning, and/or removal of woody encroachment.

Next Step
Treatments:

Acceptable
Regen:

Other Could manage this opening with 36, 39, 38, 35, and stands in compartment 10.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

9	61009009-Cut	52.3	4319 - Mixed Upland Forest	6	54	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
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Prescription Final harvest stand to 1" spec, require chipping. Retention will be area based, retaining eastern lobe of stand which will also allow for aesthetic relief along equestrian/non-motorized pathway. In addition, harvest western lobe of stand 15 in order to make treatment area more regular shaped for cultivation purposes.

Next Step
Treatments:

Acceptable Planted red pine at plantation spacing.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

11	61009011-Cut	133.6	4110 - Sugar Maple Association	9	107	141-170	Harvest	Selection	411 - Northern Hardwood	Planting Record	No
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Prescription Thin stand to a BA of 70-90 sq ft/ac, focusing removal on suppressed and/or poorly formed trees while also releasing crop trees where present. Remove all aspen within treatment area and majority of beech - mark to leave scattered large, wolfy beech for mast and eventual snags/CWD. In general, favor high quality sugar maple as residual. In western portion of stand, create 2-3 ~1.5 acre gaps where aspen is present. Portions of stand have been excluded from treatment area due to topography influence and for area based long term retention. This stand is part of an SCA which has a goal of continuous forest canopy so more prevalent gap placement is not recommended for this stand at this time.

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

Acceptable Black cherry, aspen, red maple, sugar maple.
Regen:

Other
Comment:

Site Condition: Conservation Values

Proposed Start Date: 10/01/2026

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
27 61009027.74_ NF	2.9	3301 - Low Density Deciduous Trees	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> This opening is dominated by bracken fern due to lack of natural disturbances. Mechanically treat bracken ro reduce its extent, plant to <u>Specs:</u> annual rye for several years and then convert to an appropriate perennial pasture mix (i.e. clover/alfalfa) or native mix if soils will allow. Periodic maintenance such as mowing, fertilization, reseeding, burning, and/or removal of woody encroachment. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Could plant white spruce at east end of opening for cover and a buffer between WLD opening and private property. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
32 61009032.75_ NF	7.6	3301 - Low Density Deciduous Trees	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> This opening is dominated by bracken fern due to lack of natural disturbances. Mechanically treat bracken ro reduce its extent, plant to <u>Specs:</u> annual rye for several years and then convert to an appropriate perennial pasture mix (i.e. clover/alfalfa) or native mix if soils will allow. Periodic maintenance such as mowing, fertilization, reseeding, burning, and/or removal of woody encroachment. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
35 61009035.70_ NF	2.9	3103 - Rubus-Fern	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> This opening is dominated by bracken fern due to lack of natural disturbances. Mechanically treat bracken to reduce its extent, plant to <u>Specs:</u> annual rye for several years and then convert to an appropriate perennial pasture mix (i.e. clover/alfalfa) or native mix if soils will allow. Periodic maintenance such as mowing, fertilization, reseeding, burning, and/or removal of woody encroachment. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Could manage this opening with 36, 39, 38, 42, and stands in compartment 10. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
36 61009036.72_ NF	4.3	3301 - Low Density Deciduous Trees	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> This opening is dominated by bracken fern due to lack of natural disturbances. Mechanically treat bracken to reduce its extent, plant to <u>Specs:</u> annual rye for several years and then convert to an appropriate perennial pasture mix (i.e. clover/alfalfa) or native mix if soils will allow. Periodic maintenance such as mowing, fertilization, reseeding, burning, and/or removal of woody encroachment. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Could manage this opening with 35, 39, 38, 42, and stands in compartment 10. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
5 61009005.69_ NF	1.0	3303 - Mixed Low Density Trees	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Remove exotics as needed by herbiciding, or other methods. Seed in forage crop appropriate for site location and seasonal (i.e. summer vs. <u>Specs:</u> winter forage) wildlife uses. May want/need to work around existing beneficial vegetation (i.e. blackberry). Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
39 61009039.71_ NF	3.7	3103 - Rubus-Fern	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> This opening is dominated by bracken fern due to lack of natural disturbances. Mechanically treat bracken to reduce its extent, plant to <u>Specs:</u> annual rye for several years and then convert to an appropriate perennial pasture mix (i.e. clover/alfalfa) or native mix if soils will allow. Periodic maintenance such as mowing, fertilization, reseeding, burning, and/or removal of woody encroachment. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Could manage this opening with 36, 35, 38, 42, and stands in compartment 10. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
92 61009092.77_ NF	1.5	3103 - Rubus-Fern	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<u>Prescription</u> Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
53 61009053.76_ NF	4.9	3301 - Low Density Deciduous Trees	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Remove exotics as needed by herbiciding, or other methods. Seed in forage crop appropriate for site location and seasonal (i.e. summer vs. winter forage) wildlife uses. May want/need to work around existing beneficial vegetation (i.e. blackberry). Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
61 61009061-Cut	70.4	4112 - Maple, Beech, Cherry Association	9	117	81-110	Harvest	Seed Tree	411 - Northern Hardwood	Cutting Record	No
<u>Prescription</u> Seed tree harvest stand, retaining 10-20 sq ft/ac of large crowned sugar maple and to a lesser degree, red maple and black cherry. Very few large beech remain, these could be retained as well for mast production and eventual standing snags/coarse woody debris. Use trail protection specs for shore-to-shore trail which lies on Hooker Rd which is a county road paralleling northern edge of treatment area. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate); Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> sugar maple, red maple and black cherry. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
67 61009067-Cut	40.5	4110 - Sugar Maple Association	9	106	171-200	Harvest	Selection	411 - Northern Hardwood	Cutting Record	No
<u>Prescription</u> Thin stand to a residual BA of 70-80 sq ft/ac. Focus removal on suppressed and/or low quality trees while releasing crop trees where present. Mark to leave some larger, wolfy beech for mast and eventual standing snags/CWD. Remove all aspen within stand. Create 4-5 1.5-2 acre irregularly shaped canopy gaps, 1 or 2 of these gaps should be located near aspen clumps. Retain some large, wolfy sugar maple for seed production, nearby gaps if possible. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, black cherry, red maple and sugar maple are desired. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
69 61009069.78_NF	1.5	3103 - Rubus-Fern	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<u>Prescription</u> Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
72 61009072.56_NF	3.7	3301 - Low Density Deciduous Trees	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<u>Prescription</u> Selectively hand fell woody encroachment to maintain upland brush/grassland community (to be done with adjacent timber harvest). Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> mixed fruiting shrubs and trees, to be planted <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
73 61009073.80_ NF	1.6	3103 - Rubus-Fern	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<u>Prescription</u> Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
75 61009075.79_ NF	1.1	3103 - Rubus-Fern	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<u>Prescription</u> Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
81 61009081.57_ NF	1.0	3103 - Rubus-Fern	99			NonForestMgt	Openings Mgmt.	3205 - Mixed Upland Shrub	Previous Inventory	No
<u>Prescription</u> Selectively hand fell woody encroachment to maintain upland brush/grassland community (will be done with adjacent timber sale). Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> mixed fruiting trees and shrubs, to be planted <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
38 61009038.59_ NF	18.3	3301 - Low Density Deciduous Trees	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> This opening is dominated by bracken fern due to lack of natural disturbances. Mechanically treat bracken to reduce its extent, plant to <u>Specs:</u> annual rye for several years and then convert to an appropriate perennial pasture mix (i.e. clover/alfalfa) or native mix if soils will allow. Periodic maintenance such as mowing, fertilization, reseeding, burning, and/or removal of woody encroachment. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Some aspen root sprouts and cherry stump sprouts may occur, but the objective is openland habitat. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

Approved Treatments:

24 61009024- Monitor	4.3	4139 - Aspen, Mixed Deciduous	1	5		Monitoring	Monitoring - Regeneration	4139 - Aspen, Mixed Deciduous	Planting Record	No
<u>Prescription</u> monitor for regeneration <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Natural regeneration to a mix of sugar maple, cherry, red pine, and aspen. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024										

Total Treatment 367.3
Acreage Proposed:



Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available	Dominant Site Conditions			
				5B	3A	5E	
467	421	28	18	Aspen	28	16	2
75	75	0	0	Herbaceous Openland		0	
13	13	0	0	Jack Pine			
40	37	0	3	Low-Density Trees		1	2
63	63	0	0	Mixed Upland Deciduous			
878	608	15	256	Northern Hardwood	15	253	3
113	113	0	0	Red Pine			
70	70	0	0	Upland Mixed Forest			
4	4	0	0	Upland Spruce/Fir			
1,724	1,405	42	277	Total Forested Acres	42	270	7
	81%	2%	16%	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	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Available	5B: Maintain for regeneration purposes	10	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Let the aspen die out naturally, releasing decent quality understory of red maple, sugar maple, and cherry.								
3	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Let aspen die out naturally and let succeed to hardwoods.								

Report 4 – Site Conditions



6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3A: Conservation values incompatible with harvest at this time	273	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is part of a multi-compartment SCA, to be managed as core habitat for species requiring mature, interior hardwood forest. Stands will continue to be managed using timber harvest, but with emphasis on habitat rather than timber production.							
11	Available	5B: Maintain for regeneration purposes	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



13	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:

Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
1	4130 - Aspen		1.3	62	Unspecified	N/A	Small, sparse stand. Mediocre quality aspen along with cherry and clumpy maple. Could cut along with hardwood/aspen stand to north, in adjacent compartment.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Cherry</td><td>20</td><td></td><td>11</td><td></td></tr><tr><td>Quaking Aspen</td><td>70</td><td>Seedling</td><td>8</td><td>62</td></tr><tr><td>Sugar Maple</td><td>5</td><td></td><td>14</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Black Cherry	20		11		Quaking Aspen	70	Seedling	8	62	Sugar Maple	5		14		Red Maple	5	Seedling	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Serviceberry (Juneberry)</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>Trace</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet	White Pine	Low	5 - 10 feet	5 - 10 feet	Beech	Trace	5 - 10 feet	5 - 10 feet				
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2	42110 - Planted Red Pine		16.2	57	111-140	N/A	Stand responding well to recent thinning, wider rows - tops are competing at this point but ba is in the 120-130 range on average. Black cherry is stump sprouts. 8-10' rows.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>95</td><td></td><td>9</td><td>57</td></tr><tr><td>Black Cherry</td><td>5</td><td>Seedling</td><td>7</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	95		9	57	Black Cherry	5	Seedling	7		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Medium	5 - 10 feet	5 - 10 feet																						
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Sub-Canopy Species	Density	Avg. Height	Size																																														
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3	4130 - Aspen	Unspecified	33.3	6		N/A	Stand regenerating well overall to aspen, red maple and cherry with white pine component. Includes long term retention at west edge and scattered individual trees.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>10</td><td>Log</td><td>1</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>75</td><td>Log</td><td>1</td><td>6</td></tr><tr><td>White Pine</td><td>2</td><td></td><td>12</td><td></td></tr><tr><td>White Pine</td><td>3</td><td>Log</td><td>1</td><td></td></tr><tr><td>Black Cherry</td><td>2</td><td></td><td>10</td><td></td></tr><tr><td>Black Cherry</td><td>8</td><td>Log</td><td>1</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	10	Log	1		Bigtooth Aspen	75	Log	1	6	White Pine	2		12		White Pine	3	Log	1		Black Cherry	2		10		Black Cherry	8	Log	1													
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Black Cherry	2		10																																														
Black Cherry	8	Log	1																																														
4	4199 - Other Mixed Upland Deciduous	Sapling Well	48.5	11	1-50	N/A	Was a mature red pine plantation, clearcut in December 2018, retaining mature hardwoods and as much of the maple understory sapling layer as possible. Conversion to hardwoods is the goal. Some patches of mature aspen within this area were also cut and have resulted in aspen regen patches in the regenerating stand, primarily in the southern portion of the stand. Also areas of thick beech and ironwood regeneration resulting from cut. Red pine seedlings 2-4' in height in southern and western portion of stand. Fair amount of sugar maple is various sapling height classes.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>2</td><td></td><td>14</td><td>70</td></tr><tr><td>Red Pine</td><td>5</td><td>Log</td><td>1</td><td></td></tr><tr><td>Sugar Maple</td><td>25</td><td>Log</td><td>1</td><td>11</td></tr><tr><td>Red Maple</td><td>4</td><td></td><td>12</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>10</td><td>Log</td><td>1</td><td></td></tr><tr><td>Black Cherry</td><td>4</td><td></td><td>12</td><td></td></tr><tr><td>Ironwood</td><td>25</td><td>Log</td><td>1</td><td></td></tr><tr><td>Beech</td><td>25</td><td>Log</td><td>1</td><td>11</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	2		14	70	Red Pine	5	Log	1		Sugar Maple	25	Log	1	11	Red Maple	4		12		Bigtooth Aspen	10	Log	1		Black Cherry	4		12		Ironwood	25	Log	1		Beech	25	Log	1	11		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
5	3303 - Mixed Low Density Trees	Unspecified	1.0			No	Unlisted species is lycopodium. Ground cover info is mainly from 2005 inventory.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Black Cherry	Medium	>20 feet	>20 feet	
								Poverty Grass	Medium	Not Applicable	Not Applicable	
								Serviceberry (Juneberry)	Medium	Variable	Variable	
								Mixed Grasses	Low	Not Applicable	Not Applicable	
								Red Pine	Low	Variable	Variable	
								Quaking Aspen	Low	>20 feet	>20 feet	
								Unlisted - See Comments	Low	Not Applicable	Not Applicable	
								Cladonia (Reindeer moss)	Medium	Not Applicable	Not Applicable	
Bracken Fern	Medium	Not Applicable	Not Applicable									
6	42110 - Planted Red Pine	Poletimber Well	25.1	57	141-170	N/A	Patches of deciduous trees throughout the plantation, creating some variation in basal area. Responding well to thinning, tops competing and where uniform red pine at stocking levels to warrant thinning.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Sugar Maple	2	Sapling	6	
								Black Cherry	13	Seedling	7	
								Red Pine	85	Seedling	8	57
Sub-Canopy Species	Density	Avg. Height	Size									
Beech	Medium	5 - 10 feet	5 - 10 feet									
7	310 - Herbaceous Openland	Unspecified	2.6			Yes	Ground cover info is mainly from 2005 inventory. Pines = RP, WP. All trees >5" dbh were cut and removed in a summer 2019 timber sale.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Deciduous Saplings	Low	Variable	Variable	
								Bracken Fern	Full	Not Applicable	Not Applicable	
								Pines (spp.)	Trace	Variable	Variable	
								Serviceberry (Juneberry)	Trace	10 - 20 feet	10 - 20 feet	
								Mixed Grasses	Low	Not Applicable	Not Applicable	
8	310 - Herbaceous Openland	Unspecified	4.9			Yes	Ground cover info is mainly from 2005 inventory. All trees >5" dbh were cut and removed in a summer 2019 timber sale.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Deciduous Saplings	Trace	5 - 10 feet	5 - 10 feet	
								Serviceberry (Juneberry)	Low	10 - 20 feet	10 - 20 feet	
								Mixed Grasses	Low	Not Applicable	Not Applicable	
								Cladonia (Reindeer moss)	Medium	Not Applicable	Not Applicable	
								Bracken Fern	High	Not Applicable	Not Applicable	
								White Pine	Low	Variable	Variable	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																			
9	4319 - Mixed Upland Forest		52.9	54	111-140	N/A	Mixed stand with areas of remnant white pine plantation intermixed with hardwoods throughout. Planted white pine sometimes forms canopy; other places it is overtopped by hardwoods.																																																																			
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10	4130 - Aspen	Sawtimber Well	15.0	69	Unspecified	N/A	Large aspen, pockets of thick maple regen in places. Also dense ironwood advanced regen in areas of stand. Lots of CWD from dying aspen. Sugar maple distributed throughout, some variability in stocking especially in west of stand.																																																																			
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Beech	Low	Variable	Variable																																																																							
11	4110 - Sugar Maple Association		155.4	107	141-170	N/A	High quality hardwoods, especially on hills and ridges. AFOCa habitat; more toward AFO at east end of stand: more cherry and beech on slope toward pond. Some area of poles, saplings, and some aspen clones throughout, most notably in the west based on inventory transect. Beech and ironwood regen is thick in spots, high density while other pockets of stand are more open, likely resulting from past management in NE. BA is variable in spots, on average in the 150 range. Some plots 100/110 while a couple were over 200 sq ft/ac. Fair amount of course woody debris in areas of stand, some isolated blowdown of 6-8 trees. Occasional top die back in sugar maple and baswood but overall nice quality stand.																																																																			
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12	4116 - Mixed N. Hardwood - Aspen	Sapling Well	9.2	5	1-50	N/A	Regenerating well, aspen and beech dominated with mixed deciduous species throughout. No pine regen above snow level at time of inventory. Species variability throughout with smaller pockets of stand heavier to aspen, larger piece has more beech and pockets of minimal overall stocking.																																																																			
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13	42110 - Planted Red Pine		12.6	57	111-140	N/A	Responding well to thinning, overall relatively small dbh and quite a bit of defect but not yet at stocking levels to warrant second thinning. 110-120 overall average sq ft/ac. Some small dieback pockets of a dozen trees or so. Sugar maple regen patches. BC stump sprouts.																																																																			
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14	4199 - Other Mixed Upland Deciduous		14.7	43	81-110	N/A	Remnant BC/A/M, scattered planted RP, over pole A/RM. Overall small dbh and relatively low quality on all species. Stocking variability in narrower western finger of stand.																																														
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15	42110 - Planted Red Pine		26.3	57	111-140	N/A	Parts of stand have thick SM regen but predominantly beech sprouts, high density. Responding OK to thinning, stand was opened up quite a bit w/ recent third row thinned, irregular rows probably contribute to this. In addition, based on aerial imagery this stand had lower density in places along with a more significant deciduous component prior to recent thinning. Ba currently averaging 110-120, just into the identified BA range and at times lower.																																														
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16	3105 - Mixed Upland Herbaceous	Unspecified	2.0			No	Fair amount of maple regeneration. Log cherries with juneberry underneath. St. johns wort/mixed grasses/cladonia/poverty grass. Ground cover info is mainly from 2005 inventory.																																														
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17	3301 - Low Density Deciduous Trees	Unspecified	1.2			No	2005 comments: West lobe is all raspberry/blackberry. East portion is all goldenrod. No need for maintenance at this time. Would like to keep this opening as-is. Do not use as a timber landing. Ground cover info is from 2005.																																														
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Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
18	3103 - Rubus-Fern	Unspecified	1.6				No	Hillside. All bracken fern ground cover with a little bit of grasses. Unlisted specie is hawkweed. Ground cover info is from 2005. Deciduous saplings are beech, sugar maple, ironwood.				
							Sub-Canopy Species		Density	Avg. Height	Size	
							Black Cherry		Low	>20 feet	>20 feet	
							Deciduous Saplings		Medium	Variable	Variable	
							Blackberry/Raspberry		Trace	5 - 10 feet	5 - 10 feet	
							Unlisted - See Comments		Trace	< 5 feet	< 5 feet	
							Bracken Fern		Full	Not Applicable	Not Applicable	
Quaking Aspen	Low	>20 feet	>20 feet									
19	4112 - Maple, Beech, Cherry Association	Sawtimber Poor	19.7	98	1-50		N/A	Mediocre regeneration stocking following recent harvest. Patchy with pockets of aspen, pin cherry, ironwood and trace beech. Advanced trace sugar maple present that was protected but very little overall at the stand level. Slowly filling in, monitor regen next yoe. Fairly dense sedge in areas of stand.				
							Canopy Species		% Cover	Size Class	DBH	Age
							Black Cherry		40		12	
							Sugar Maple		15		10	
							Red Maple		45		12	98
Sub-Canopy Species	Density	Avg. Height	Size									
Black Cherry	Medium	5 - 10 feet	5 - 10 feet									
Red Maple	Low	Variable	Variable									
Ironwood	Low	5 - 10 feet	5 - 10 feet									
20	4130 - Aspen		10.2	66	81-110		N/A	SM regen is in pockets. Quaking aspen is dying off, will succeed to hardwoods. Some decent quality sugar maple.				
							Canopy Species		% Cover	Size Class	DBH	Age
							Black Cherry		18		14	
							Sugar Maple		10		14	
							Red Maple		10		12	
							Bigtooth Aspen		5		16	
							Quaking Aspen		55		14	66
							Ironwood		2	Seedling	6	
							Sub-Canopy Species		Density	Avg. Height	Size	
							Serviceberry (Juneberry)		Low	>20 feet	>20 feet	
							Sugar Maple		Medium	Variable	Variable	
							Red Maple		Low	Variable	Variable	
Ironwood	High	Variable	Variable									
21	4110 - Sugar Maple Association	Sawtimber Poor	9.7	104	1-50		N/A	Beech and ironwood regen is thick from recent harvest, some trace sugar maple regen.				
							Canopy Species		% Cover	Size Class	DBH	Age
							Basswood		10		15	
							Sugar Maple		85		12	104
							Red Pine		5		16	
Sub-Canopy Species	Density	Avg. Height	Size									
Sugar Maple	Low	Variable	Variable									
Beech	High	5 - 10 feet	5 - 10 feet									
Ironwood	High	5 - 10 feet	5 - 10 feet									
22	4130 - Aspen	Sapling Well	3.1	5			N/A	Clearcut winter 2019-2020. Scattered mature hardwoods retained.				
							Canopy Species		% Cover	Size Class	DBH	Age
							Sugar Maple		5	Log	1	
							Red Maple		5	Log	1	
							Bigtooth Aspen		75	Log	1	5
							Quaking Aspen		15	Log	1	
Sub-Canopy Species	Density	Avg. Height	Size									
Sugar Maple	Low	>20 feet	>20 feet									
Deciduous Saplings	Low	Variable	Variable									

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
23	4130 - Aspen	Unspecified	8.9	5		N/A	Stand regenerating well, some stocking variability, 75% canopy closure overall. Some advanced sugar maple that was protected in pockets, growing fairly well. Includes retained deciduous from harvest. Areas of browse on aspen regen.																																								
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24	4139 - Aspen, Mixed Deciduous	Unspecified	4.4	5		N/A	Looks to still be less than 25% stocked making it non forested. Scattered sugar maple, cherry and beech regen throughout.																																								
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25	4112 - Maple, Beech, Cherry Association	Sawtimber Well	20.6	104	111-140	N/A	Medium quality hardwood stand. Ironwood dominant in sapling layer with scattered beech, cherry and red maple. Sugar Maple lingering in seedling layer, not very numerous at this time.																																								
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26	4130 - Aspen	Sapling Well	6.1	25	Unspecified	N/A	Some stocking variability but less stocked sreas filling in. Aspen dominant with black cherry, sugar maple and some beech.																																								
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27	3301 - Low Density Deciduous Trees	Unspecified	2.9			No	Pockets of upland deciduous with bracken fern. Ground cover info is mainly from 2005 inventory.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
28	4130 - Aspen	Poletimber Well	28.0	25	1-50	N/A	Much open ground especially in central area of stand, overall canopy closure of 75%. Aspen is clumped, big tooth is decent quality and has moved into small pole sized class. Called stand pole sized, it is just transitioned into this class, plenty of large sapling sized trees throughout. Cherry is very slowly creeping out into open areas, specifically in central area of stand. Few NH seedlings other than cherry and beech. Lots of raspberry/blackberry.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Cherry	20	Pole	4	25	Black Cherry	Low		Variable	Variable
Bigtooth Aspen	55	Sapling	5	25	Beech	Low		5 - 10 feet	5 - 10 feet
Quaking Aspen	25	Pole	4	25					
29	4319 - Mixed Upland Forest	Poletimber Well	11.4	57	81-110	N/A	Some solid planted WP, other areas with WP overtopped by mixed hardwoods. 8-10' rows. SM seedlings in places. Much of stand has significant beech and ironwood regen at this time.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	5	Seedling	8		Beech	Medium		5 - 10 feet	5 - 10 feet
Sugar Maple	40		9		White Pine	Low		Variable	Variable
Red Maple	10		12		Ironwood	Medium		5 - 10 feet	5 - 10 feet
White Pine	45	Seedling	8	57					
30	31021 - Cool Season Grass	Unspecified	8.9			No	Part of larger opening that is private (low density deciduous trees). The public portion is herbaceous openland. Black cherry, with cool season grasses, including timothy (?), some goldenrod, leafy spurge, and hoary alyssum. Mixed pine saplings: SP, RP, WP.		
					Sub-Canopy Species	Density		Avg. Height	Size
					Mixed Grasses	Full		Not Applicable	Not Applicable
					Autumn Olive	Trace		5 - 10 feet	5 - 10 feet
					Black Cherry	Low		>20 feet	>20 feet
					Black Cherry	Low		>20 feet	>20 feet
					Pines (spp.)	Trace		Variable	Variable
					Cladonia (Reindeer moss)	Trace		Not Applicable	Not Applicable
					Bracken Fern	Low		Not Applicable	Not Applicable
					Leafy Spurge	Trace		Not Applicable	Not Applicable
31	4110 - Sugar Maple Association		95.3	115	81-110	N/A	High quality hardwoods: AFOCa. Residual in good overall condition following recent harvest, some damage and some epicormic branching. Ironwood and beech regen are high in stocking, some black cherry regeneration, very little sugar maple regen. Variable stocking with skid trails, gaps but overall ~90 sq ft/ac.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Basswood	15		14		Sugar Maple	Low		>20 feet	>20 feet
Black Cherry	2		14		Ironwood	High		10 - 20 feet	10 - 20 feet
Sugar Maple	75		12	115	Beech	High		10 - 20 feet	10 - 20 feet
Red Maple	2		14						
Beech	2		22						
Yellow Birch	2		12						
Ironwood	2	Seedling	7						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
32	3301 - Low Density Deciduous Trees	Unspecified	7.6			No	Bracken fern with poverty grass/cladonia underneath. Aspen/cherry thicket toward north end. Ground cover info is mainly from 2005 inventory.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								White Pine	Trace	Variable	Variable	
								Black Cherry	Low	>20 feet	>20 feet	
								Black Cherry	Medium	10 - 20 feet	10 - 20 feet	
								Scotch Pine	Trace	Variable	Variable	
								Deciduous Saplings	Low	Variable	Variable	
								Poverty Grass	Medium	Not Applicable	Not Applicable	
								Cladonia (Reindeer moss)	Medium	Not Applicable	Not Applicable	
								Bracken Fern	Full	Not Applicable	Not Applicable	
								Quaking Aspen	Trace	>20 feet	>20 feet	
Quaking Aspen	Trace	5 - 10 feet	5 - 10 feet									
33	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	3.8	50	51-80	N/A	2-storied: old hardwoods over dense, limby spruce.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black Cherry	15		12	
								Sugar Maple	5		12	
								White Spruce	80	Sapling	7	50
34	4130 - Aspen	Poletimber Well	5.1	48	51-80	N/A	Some older hardwoods along north and east edges, but mostly pole timber. Substantial sugar maple regen in varying sapling sizes - primarily <15' in height and 2-4" dbh, relatively low stocking of merchantable overstory otherwise, allow small stand to convert entirely to sugar maple pole stand over time.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Quaking Aspen	50		7	48
								Sugar Maple	3		14	
								Red Maple	30		7	90
								Bigtooth Aspen	10	Seedling	7	
								White Pine	2		14	
								Black Cherry	5		7	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Sugar Maple	Medium	>20 feet	>20 feet	
								Ironwood	High	Variable	Variable	
35	3103 - Rubus-Fern	Unspecified	2.9			No	Little frost pocket. All bracken fern. Expanded 2015 to include failed regeneration area from surrounding 2008 clearcut.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Red Maple	Low	>20 feet	>20 feet	
								Bracken Fern	Full	Not Applicable	Not Applicable	
								Beech	Trace	5 - 10 feet	5 - 10 feet	
								Serviceberry (Juneberry)	Trace	10 - 20 feet	10 - 20 feet	
								Blackberry/Raspberry	Medium	5 - 10 feet	5 - 10 feet	
								Black Cherry	Low	10 - 20 feet	10 - 20 feet	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
36	3301 - Low Density Deciduous Trees	Unspecified	4.4			No	Log black cherry and all bracken fern. Hilly terrain. Spruce trees to the west.
37	3103 - Rubus-Fern	Unspecified	2.8			No	Mostly sapling/pole black cherry with a few cherries that are log-sized. Bracken fern with poverty grass. Fern dominates, but a good amount of grass spread evenly.
38	3301 - Low Density Deciduous Trees	Unspecified	19.8			Yes	(2015 inventory notes: Log-sized black cherries with juneberry and seedling maples underneath. Plenty of rubus/blackberry. Mixed forbs (goldenrod) in spots. Fair amount of poverty grass/cladonia. Spots of St. Johnswort.) 2018: mature cherry and aspen was commercially harvested from most of the stand for opening maintenance in June, 2017. A dense patch of advanced hardwood regen was retained in the north part of the stand.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
39	3103 - Rubus-Fern	Unspecified	3.7			No	All bracken fern. A few log red maple and black cherry. A couple pole cherry mixed in. Expanded in 2015 to include a failed regeneration area of an adjacent clearcut.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Serviceberry (Juneberry)	Trace	5 - 10 feet	5 - 10 feet	
								Witch Hazel	Trace	5 - 10 feet	5 - 10 feet	
								Sugar Maple	Low	>20 feet	>20 feet	
								Red Maple	Low	10 - 20 feet	10 - 20 feet	
								Bracken Fern	Full	Not Applicable	Not Applicable	
								Black Cherry	Low	>20 feet	>20 feet	
								Scotch Pine	Trace	5 - 10 feet	5 - 10 feet	
40	4130 - Aspen		10.2	65	81-110	N/A	Poor, low stocked aspen succeeding to maple.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black Cherry	25		12	
								Quaking Aspen	50		9	65
								Red Maple	10	Seedling	7	
								Bigtooth Aspen	15		12	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Sugar Maple	Medium	Variable	Variable	
								Red Maple	High	Variable	Variable	
Black Cherry	Medium	Variable	Variable									
41	4130 - Aspen	Poletimber Well	81.4	34	Unspecified	N/A	Decent quality aspen with cherry distributed throughout. Ironwood with some sugar maple and cherry in understory.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black Cherry	10	Seedling	7	34
								Red Maple	3		7	
								Bigtooth Aspen	22	Seedling	8	34
								Quaking Aspen	65	Seedling	7	34
								Sub-Canopy Species	Density	Avg. Height	Size	
								Ironwood	High	Variable	Variable	
								Black Cherry	Medium	10 - 20 feet	10 - 20 feet	
Sugar Maple	Low	5 - 10 feet	5 - 10 feet									
42	3301 - Low Density Deciduous Trees	Unspecified	9.6			No	Main opening is bracken fern/rubus with a few spots of cladonia/poverty grass. Slow succession to northern hardwoods.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Red Pine	Trace	5 - 10 feet	5 - 10 feet	
								Black Cherry	Low	>20 feet	>20 feet	
								Black Cherry	Low	>20 feet	>20 feet	
								Quaking Aspen	Trace	>20 feet	>20 feet	
								Maple (spp.)	Low	>20 feet	>20 feet	
								Cladonia (Reindeer moss)	Low	Not Applicable	Not Applicable	
								Bracken Fern	High	Not Applicable	Not Applicable	
								Serviceberry (Juneberry)	Low	5 - 10 feet	5 - 10 feet	
								Mixed Grasses	Medium	Not Applicable	Not Applicable	
								Deciduous Saplings	Medium	Variable	Variable	
								Blackberry/Raspberry	Medium	5 - 10 feet	5 - 10 feet	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
43	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	54.4	105	51-80	N/A	Selection harvest with canopy gaps placed throughout stand. Residual in good condition, decent quality hardwood stand overall. Beech regen is pretty thick throughout stand, no sugar maple sapling regeneration advancing aside from the 2-3" dbh sapling layer that was present prior to harvest - this is in pretty low numbers.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Cherry		10		12		Beech		High	Variable	Variable
Sugar Maple		20		9		Sugar Maple		Low	>20 feet	>20 feet
Red Maple		65		13	105					
Quaking Aspen		2		11						
Beech		3		10						
45	31021 - Cool Season Grass	Unspecified	2.5			No	2005 comments: Partially private. 70% cool season grasses. 30% rubus/spotted knapweed/slightly degraded.			
Sub-Canopy Species		Density	Avg. Height	Size						
Black Cherry		Low	Variable	Variable						
Red Pine		Trace	5 - 10 feet	5 - 10 feet						
Blackberry/Raspberry		Medium	5 - 10 feet	5 - 10 feet						
Maple (spp.)		Trace	>20 feet	>20 feet						
St. Johns Wort		Trace	Not Applicable	Not Applicable						
Spotted Knapweed		Low	Not Applicable	Not Applicable						
Mixed Grasses		High	Not Applicable	Not Applicable						
46	3303 - Mixed Low Density Trees	Unspecified	1.5			No				
Sub-Canopy Species		Density	Avg. Height	Size						
Red Pine		Low	10 - 20 feet	10 - 20 feet						
Black Cherry		Low	Variable	Variable						
Sugar Maple		Low	>20 feet	>20 feet						
Ironwood		Low	Variable	Variable						
Autumn Olive		Low	5 - 10 feet	5 - 10 feet						
47	4110 - Sugar Maple Association	Sawtimber Well	50.0	104	81-110	N/A	AFOCa: past record of leeks, blue cohosh, jack in the pulpit, Canadian white violet, etc. High quality hardwood stand, residual in good condition following recent treatment. Small amount of mature planted red pine along the southeast edge.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		75		12	104	Sugar Maple		Low	>20 feet	>20 feet
Basswood		20		15		Beech		High	Variable	Variable
Beech		3		20		Ironwood		High	Variable	Variable
Black Cherry		1		14						
Red Pine		1		16						
48	4110 - Sugar Maple Association	Sapling Well	35.7	28	1-50	N/A	Some patches of JP regen, some overtopped or broken from snow. Scattered remnant sawlog trees; mostly sugar maple, a few basswood, black cherry and red pine. Very good advanced sugar maple regeneration. Will likely be pole sized next yoe.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		65	Pole	4	28	Sugar Maple		High	5 - 10 feet	5 - 10 feet
Sugar Maple		5		22		Beech		Low	5 - 10 feet	5 - 10 feet
Quaking Aspen		4	Log	3	28	Ironwood		Low	5 - 10 feet	5 - 10 feet
Beech		1	Log	2						
Jack Pine		5	Log	3	28					
Black Cherry		20	Log	3	28					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
50	42110 - Planted Red Pine		9.5	70	111-140	N/A	Good quality red pine, some to 15-16" dbh. Responding well to recent thinning. BA averages 120 sq ft/ac, some areas a bit lower. Sugar maple regen is present in lower density but distributed throughout. With BA at current levels it maple should advanced rapidly. Monitor maple specifically for recruitment and overall condition next yoe.																																								
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52	42110 - Planted Red Pine		11.8	70	141-170	N/A	Responding well to recent thinning, red pine fairly good quality. Regen is coming back thick with desirable species present, variable heights and species make up.																																								
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53	3301 - Low Density Deciduous Trees	Unspecified	4.9			No	Pines = Scotch, red, jack. Ground cover info is mainly from 2005 inventory.																																								
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54	42220 - Natural Jack Pine	Sapling Well	13.4	28	Unspecified	N/A	Thick JP regeneration from harvested plantation. Some patches of snow damaged trees - bent/broken. Jack pine is sapling sized with some trees reaching just merchantable size. A few scattered mature sugar maples throughout stand..																																								
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55	4130 - Aspen	Poletimber Well	58.0	35	1-50	N/A	Decent quality aspen stand with cherry and maple throughout along with trace beech. Overall small pole stand with advanced sapling layer. A few small openings in stand. Fair amount of bent/broken stems from snow storm damage.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
56	3301 - Low Density Deciduous Trees	Unspecified	1.5			No	Unlisted specie is trout lily. Ground cover info is mainly from 2005 inventory.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Blackberry/Raspberry	Medium	5 - 10 feet	5 - 10 feet	
								Black Cherry	Low	5 - 10 feet	5 - 10 feet	
								Red Pine	Low	Variable	Variable	
								Sugar Maple	Medium	5 - 10 feet	5 - 10 feet	
								Red Maple	Trace	>20 feet	>20 feet	
								Bracken Fern	Medium	Not Applicable	Not Applicable	
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								Serviceberry (Juneberry)	Trace	10 - 20 feet	10 - 20 feet	
								Mixed Grasses	Medium	Not Applicable	Not Applicable	
57	310 - Herbaceous Openland	Unspecified	6.9			Yes	Scattered mature maple and cherry surrounded by juneberry and maple saplings. Ground cover is rubus/fern, with cladonia and mixed grasses. Ground cover info is mainly from 2005 inventory. Most of the mature trees were removed in a Feb. 2020 harvest.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Jack Pine	Trace	>20 feet	>20 feet	
								Black Cherry	Trace	>20 feet	>20 feet	
								Black Cherry	Trace	>20 feet	>20 feet	
								Blackberry/Raspberry	Medium	5 - 10 feet	5 - 10 feet	
								Poverty Grass	Trace	Not Applicable	Not Applicable	
								Serviceberry (Juneberry)	Trace	10 - 20 feet	10 - 20 feet	
								Mixed Grasses	Low	Not Applicable	Not Applicable	
								Red Pine	Trace	5 - 10 feet	5 - 10 feet	
								Sugar Maple	Low	Variable	Variable	
								Sugar Maple	Trace	>20 feet	>20 feet	
								Sugar Maple	Trace	>20 feet	>20 feet	
								Cladonia (Reindeer moss)	Medium	Not Applicable	Not Applicable	
								Bracken Fern	Medium	Not Applicable	Not Applicable	
Juniper	Trace	< 5 feet	< 5 feet									
58	4130 - Aspen		17.7	65	51-80	N/A	Poor, sparse QA giving way to SM.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black Cherry	4	Seedling	8	
								Sugar Maple	20		8	53
								Red Maple	5	Sapling	7	
								Bigtooth Aspen	15		14	
								Beech	1	Seedling	7	
								Quaking Aspen	55		11	65
								Sub-Canopy Species	Density	Avg. Height	Size	
								Black Cherry	Low	10 - 20 feet	10 - 20 feet	
Sugar Maple	Medium	>20 feet	>20 feet									
Beech	Low	5 - 10 feet	5 - 10 feet									

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
59	4130 - Aspen	Sapling Well	18.2	25	Unspecified	N/A	Decent quality aspen, just transitioned to pole size with larger size sapling class present. Some open pockets, including a larger opening at the NE end that has been used as a timber landing.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	56	Sapling	6	25	Black Cherry	Low		10 - 20 feet	10 - 20 feet
Black Cherry	4	Pole	4	25	Pines (spp.)	Trace		Variable	Variable
Quaking Aspen	40	Sapling	5	25	Sugar Maple	Medium		10 - 20 feet	10 - 20 feet
					Blackberry/Raspberry	Medium		5 - 10 feet	5 - 10 feet
					Beech	Low		10 - 20 feet	10 - 20 feet
60	4110 - Sugar Maple Association	Sawtimber Poor	17.4	102	1-50	N/A	SM saplings denser in more open spots. Northeast end has better quality. Most of the stand is older semi-open sugar maple, many multi-stemmed. Not sure what the objective is for this stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Cherry	10		12		Serviceberry (Juneberry)	Trace		10 - 20 feet	10 - 20 feet
Sugar Maple	90		12	102	Sugar Maple	High		Variable	Variable
61	4112 - Maple, Beech, Cherry Association		91.3	117	81-110	N/A	Mediocre quality hardwood stand, predominantly red and sugar maple. Stocking is a bit variable but averages about 100BA. Ironwood and beech advanced regen is thick and in the 10-25' range. Decent amount of course woody debris along with scattered standing snags.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	30		12		Blackberry/Raspberry	Low		5 - 10 feet	5 - 10 feet
Red Maple	55		14	117	Ironwood	High		10 - 20 feet	10 - 20 feet
Beech	5		22		Sugar Maple	Low		>20 feet	>20 feet
Black Cherry	10		13		Red Maple	Low		10 - 20 feet	10 - 20 feet
					Beech	High		Variable	Variable
					Black Cherry	Low		Variable	Variable
62	42110 - Planted Red Pine		11.9	72	171-200	N/A	Decent quality red pine, significant hardwood understory throughout. Fair amount of advanced sugar maple along with beech and black cherry in places. Die back pocket in SE of stand, scotch pine patch present in northern portion of stand as well.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	88		12	72	Beech	Medium		Variable	Variable
Sugar Maple	1	Seedling	7		Sugar Maple	High		Variable	Variable
Quaking Aspen	1		13						
Black Cherry	2		12						
Scotch Pine	8		10						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
63	310 - Herbaceous Openland	Unspecified	16.9			Yes	Cherry and red maple sprouting from 2020 harvest. Stand is moving toward a low stocked forested stand.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Juniper	Trace	5 - 10 feet	5 - 10 feet	
								Red Pine	Low	Variable	Variable	
								Red Pine	Trace	>20 feet	>20 feet	
								Red Maple	Trace	>20 feet	>20 feet	
								Maple (spp.)	Trace	>20 feet	>20 feet	
								Maple (spp.)	Low	Variable	Variable	
								Cladonia (Reindeer moss)	Low	Not Applicable	Not Applicable	
								Blackberry/Raspberry	Trace	5 - 10 feet	5 - 10 feet	
								Black Cherry	Low	>20 feet	>20 feet	
								Black Cherry	Trace	>20 feet	>20 feet	
								Spotted Knapweed	Medium	Not Applicable	Not Applicable	
								Serviceberry (Juneberry)	Trace	10 - 20 feet	10 - 20 feet	
Mixed Grasses	High	Not Applicable	Not Applicable									
64	4112 - Maple, Beech, Cherry Association	Poletimber Medium	8.8	88	81-110	N/A	Semi-open stand feeling in around older, larger trees. Older BC and RM are nursing along a seedling/sapling stand of RM/SM. Black cherry snags present, stand providing some vertical structure of hardwood species.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Sugar Maple	13		6	
								Red Maple	25		8	88
								Ironwood	2	Seedling	6	
								Black Cherry	60		9	88
65	4110 - Sugar Maple Association	Sawtimber Well	99.2	107	81-110	N/A	Good quality stand, some significant topo throughout. minimal damage from resent harvest, some top damage but overall in good condition. Some epicormic branching where stand was opened up and/or along primary skid trails. BA averages 90 sq ft/ac.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Maple (spp.)	High	Variable	Variable	
								Ironwood	Medium	>20 feet	>20 feet	
66	4130 - Aspen	Poletimber Well	27.1	34	1-50	N/A	Decent quality aspen, majority small pole sized but still a fair amount of large sapling class trees. Hardwood understory is pretty consistent throughout, with sugar maple, cherry and ironwood dominant.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Bigtooth Aspen	38	Seedling	7	34
								Quaking Aspen	60	Sapling	6	34
								Black Cherry	2	Seedling	6	34

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
67	4110 - Sugar Maple Association		40.5	106	171-200	N/A	Fair quality hardwood stand, sugar maple dominant with basswood distributed throughout along with scattered cherry, beech and aspen. Aspen clones include other species, not pure aspen - mainly concentrated along east edge. Some larger sugar maple snags, scattered red maple and a few hemlock. Some more substantial topo in stand, specifically along east edge, should be operable.																																																
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68	4110 - Sugar Maple Association		88.3	97	81-110	N/A	Responding well to recent thinning, canopy stems in good condition, good quality stand - some epicormic branching at gap edges and near skid trails. Beech and ironwood regen has essentially taken over understory and is generally full coverage throughout stand. Variable stocking in portions of stand with pockets at 100-120 BA, overall average found to be 85 sq ft/ac. Very little ground cover (AFO phase?). Better quality west side. Small numbers of aspen, elm, yellow birch, hemlock and wolf beech.																																																
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69	3103 - Rubus-Fern	Unspecified	1.6			No	Lots of orange hawkweed, trout lily, some St. John's wort. Ground cover info is mainly from 2005 inventory.																																																
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70	3103 - Rubus-Fern	Unspecified	5.3			Yes	Ground cover info is mainly from 2005 inventory: almost all rubus; cladonia and bracken fern mixed in; counted 3 hawthorn shrubs.																																																
71	4130 - Aspen	Poletimber Well	14.6	34	1-50	N/A	Well stocked advanced aspen regen moving into pole class, similar to other 34 year old stand there are plenty of large sapling class stems. Some stocking variability in areas of stand along with pockets of black cherry where there is less aspen. Quaking is fair quality, generally big tooth is much better. Some bent/broken stems from snow.																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
72	3301 - Low Density Deciduous Trees	Unspecified	3.7			Yes	Mostly pole/log black cherry with a few sugar maple mixed in. Terrain is rolling. A few aspen in spots. Allot of strawberry along SW hill. 2018 comment: mature deciduous trees were cut along with the surrounding aspen clearcut in spring 2018.
73	3103 - Rubus-Fern	Unspecified	1.6			No	Nice diverse natural opening. Accessible via narrow woods road. Fruiting shrubs = cherry, juneberry. Ground cover info is mainly from 2005 inventory.
74	4110 - Sugar Maple Association	Sawtimber Well	7.1	95	51-80	N/A	Fair quality hardwood stand on small ridge, more clump/multi stemmed trees than stand to north. Ironwood and beech dominated understory throughout, slightly less dense than other nearby stands treated at same time.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																				
75	3103 - Rubus-Fern	Unspecified	1.1			No	Frost hole - natural opening. Some St. John's wort.																																																																				
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76	4130 - Aspen		48.5	34	1-50	N/A	No residuals or CWD. Numerous hardwood seedlings/saplings (cherry ironwood, red maple, juneberry), raspberry. Denser/more BTA/better quality on high ground; more QA/lower quality/sparser and generally lower density on lower slopes/depressions. Still fully stocked, just transitioned to pole sized with larger saplings present.																																																																				
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77	4110 - Sugar Maple Association		21.1	114	51-80	N/A	Residual hardwood in good condition following harvest, minimal epicormic branching and canopies in good shape. Ironwood regen is thick, some dense pockets of beech as well. Bramble throughout. No sugar maple regen observed above snow level, however ~20' in height sapling layer is scattered throughout. Age is on a larger than average SM. Some hemlock in patches, a few beech and aspen. 85 ba average outside of canopy gaps.																																																																				
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78	4130 - Aspen	Sapling Well	37.2	8		N/A	Stand regenerating well to aspen with a mix of cherry, red maple and white pine throughout. Some pockets of variable density, also evidence of browse in portions of stand. Overall, canopy closure is ~85%.																																																																				
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79	4130 - Aspen	Sapling Well			18.9	17	1-50	N/A	Hilly, steep in places. Majority of stand is regenerating well with good stocking of aspen, cherry and red maple along with some sugar maple. Hawthorn pockets at edges providing good cover.																																											
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80	310 - Herbaceous Openland	Unspecified			9.4			Yes	Islands of timber intermixed with openings. Opening have black cherry, rubus, trout lily (unlisted specie), and cladonia. Ground cover info is mainly from 2005 inventory. February 2020 harvest: cut most mature deciduous trees to maintain this stand in open habitat; scattered individual trees retained.																																											
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81	3103 - Rubus-Fern	Unspecified			1.0			Yes	NE finger is grown in with young aspen and choke cherry. When adjacent aspen gets harvests, cut up into opening. Lots of trout lily. Ground cover info is mainly from 2005 inventory. 2018 comment: deciduous trees were cut in summer 2017 along with surrounding aspen timber sale.																																											
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82	4130 - Aspen	Sapling Well			22.3	17	Unspecified	N/A	Stand was clearcut in summer 2008. Some mature timber was left on steeper slopes along the north and south borders of the stand, plus a few scattered leave trees. Generally well stocked; some small open areas w/ lower density stems.																																											
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84	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	13.3	104	81-110	N/A	Stand responding ok to last thinning, however not much in terms of desirable regen. Beech and Ironwood dominant with some cherry and trace sugar maple.																																																
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85	4130 - Aspen	Sapling Poor	7.5	17	Unspecified	N/A	Variable stocking on regen, previous notes say failed regen but stand is slowly regenerating to aspen, albeit somewhat patchy and with pockets that are relatively open. Current stocking level is 60-65% canopy closure overall.																																																
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86	4130 - Aspen	Sapling Medium	7.4	17	Unspecified	N/A	Some sparse/open pockets, but generally well stocked overall and responding well to harvest at this point.																																																
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87	4112 - Maple, Beech, Cherry Association	Sawtimber Poor	15.0	98	1-50	N/A	Poor hardwoods, probably grazed when young (found barbed wire). Many multi-stemmed trees. Numerous black cherry cavity trees; scattered white pine & elm. Aspen and cherry are starting to fill in the gaps. Overall on the low end of quality and stocking at this time, not much for regen in current state. Rec trail traverses eastern area of stand.																																																
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88	4130 - Aspen	Sapling Medium	3.1	15	Unspecified	N/A	Aspen regenerated most of the site; areas without aspen are slowly filling in with cherry. Red maple stump-sprouted, pockets have been browsed heavily but some is above browse line at this time.																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
94	4311 - Pine, Aspen Mix	Sapling Medium	5.7	28	1-50	N/A	Regenerating stand with origin similar to adjacent stands 48 and 54. Like 54, jack pine dominates this stand with aspen clones present as well. Other species represented in low numbers throughout.			
Canopy Species		% Cover	Size Class	DBH	Age					
Jack Pine		45	Log	4	28					
Black Cherry		13	Pole	3	28					
Sugar Maple		2	Log	1						
Bigtooth Aspen		20	Log	3	28					
Quaking Aspen		5	Log	2	28					
Red Pine		10	Log	4	23					
Beech		5	Log	2						
114	4130 - Aspen		3.8	49	Unspecified	N/A	Small aspen stand retained when nearby stand 3 was harvested. Pockets of thick advanced sugar maple regen, otherwise evenly distributed. Scattered cherry, red and sugar maple.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Cherry		10		12		Sugar Maple		Medium	10 - 20 feet	10 - 20 feet
Sugar Maple		2		14		Beech		Low	5 - 10 feet	5 - 10 feet
Red Maple		15		12						
Bigtooth Aspen		73		10	49					