



Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61026

Entry Year 2026

Acreage: 1,883

County Benzie

Management Area: Grand Traverse Moraine

Stand Examiner: Craig Allen

Legal Description:

Benzie County, T25N- R14W; sections 4, 9, 16

Identified Planning Goals:

This compartment is a part of the Benzie Outwash Management Area. Within this compartment there is a high percentage of early successional forest types consisting primarily of aspen, red maple and cherry that will continue to require harvest treatments to balance age class distributions. We will concentrate our harvest efforts on the oldest age classes to regenerate. Most of the proposed treatments are targeting these stands. These cuts will have retention islands as well as various scattered retention trees remaining.

Soil and topography:

The topography is mostly level except for a deep ravine containing Dair creek and part of its headwaters. The upland areas consist of the well drained Kalkaska- Rubicon soil association. Lowland areas of wet and semi- wet flats are made up of permeable Roscommon- Augres- Croswell soils.

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

This compartment is part of a large block of State land, which includes some scattered private ownerships. The areas lying to the west, south and east of this compartment are also mostly State owned. The area to the north is mostly private, and parceled into various ownerships mostly used for vacation and recreation.

"Homestead Orchards" and "Homestead Orchards 1" are two old platted subdivisions located in the southwest corner of section 4. These are 2 of 11 subdivisions in this area that were established between 1919 and 1927. Since that time most of the parcels became State property through tax reversion. There are only two small undeveloped parcels that remain in private ownership in section 4 (see map). Most of the platted roads (except some on sections lines) in these 11 subs were never installed.

Unique Natural Features:

Dair Creek is located in section 16. This is a designated trout stream and "Natural River" as it is a tributary to the Betsie River.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

See attached proposed treatments.

Watershed and Fisheries Considerations:

Dair Creek flows through Compartment 26. Dair Creek is a significant tributary of the Betsie River. Dair Creek is a Designated Trout Stream, with naturally reproducing populations of brook trout, brown trout, and rainbow trout (steelhead). Dair Creek is critical in that it produces a large percentage of the wild steelhead parr from the Betsie River watershed. Therefore, Dair Creek should receive the utmost protection. (Fish Div., Tonello)

Wildlife Habitat Considerations:

Compartment 26 is located on a broad, flat outwash plain, with few lakes and wetlands. Topography is flat, with localized kettle lakes or wetlands. Presettlement vegetation varied but was mostly dominated by upland conifers. Large areas of wildfire were noted by GLO surveys. Windthrows were common, but not large. Present vegetation found here is mostly hardwoods and conifer plantations, but there have also been good opportunities to manage for early to mid-successional habitats like grassy openings and various age classes of aspen.

Some priority wildlife species within this compartment are white-tailed deer, ruffed grouse, golden-winged warbler, and woodcock. There has likely been red-shouldered hawks nesting within this compartment. Northern goshawk activity was noted in a compartment nearby by MNFI. The abundance of public land within this compartment provides many hunting and viewing opportunities of many wildlife species.

Openings and semi-forested habitats are an integral part of this dry outwash plain and were historically maintained by periodic wildfire. These communities provide grasses and forbs for forage, nesting, and "bugging" areas. Scattered

fruiting shrubs and mast producing trees provide food and cover. The “edge” component created by these grasslands is, yet another important habitat component provided. Mechanical treatments and prescribed burning have been proposed in several areas to maintain and enhance these communities by setting back woody (as well as bracken and sedge) encroachment, stimulating native herbaceous vegetation and berry production, preparing seed beds, and recycling nutrients. Selective hand felling will be used to set back encroachment where necessary.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift is the Devonian Ellsworth Shale. The Ellsworth is used for cement products. A gravel pit is located three miles to the southeast, but there may be some potential. This area is located northwest of the current Antrim Shale gas play and the Antrim appears to have potential. Some of the Compartment is leased and the rest is nominated for oil and gas leasing.

Vehicle Access:

South Pioneer road (677) is a paved county road that borders the entire east side of this compartment. There are several seasonal county roads within this area offering good and easy access to State lands. There are also many forest “2-track” roads in various areas of the compartment that are in good condition and are used for public and DNR land management accessibility.

Survey Needs:

There are no known survey needs in this compartment at this time.

Recreational Facilities and Opportunities:

The Platte River State Snowmobile Trail runs along the south edge of the compartment on Landis road (seasonal county road) and along the north edge of section 9 then south toward the Weldon Township cemetery and continuing east across pioneer road. The Betsie Vally Rail Trail (open to snowmobiles in the winter, and non-motorized recreation trail use during non-winter seasons) travels diagonally through this compartment. Appropriate trail protection specifications should be used along all designated snowmobile trails. The Betsie Valley Rail Trail is an improved rail grade that warrants retention consideration to address aesthetic concerns. Hunting, trapping, mushroom hunting and dispersed camping are also popular recreational activities throughout the compartment.

Fire Protection:

This area has wildfire protection by Traverse City DNR and local Fire Departments.

Additional Compartment Information:

Any of the private lands within this compartment should be considered for purchase if they become available. Purchase of these lands would further help to block in State ownership of land within this compartment, thereby making land management easier with better access and allowing more contiguous land area for Public enjoyment and use.

The following reports from the Inventory are attached:

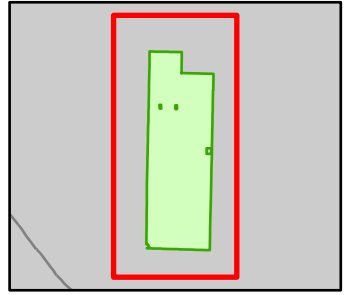
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

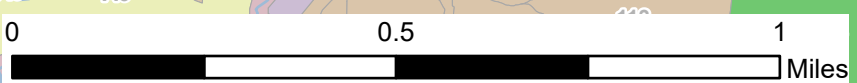
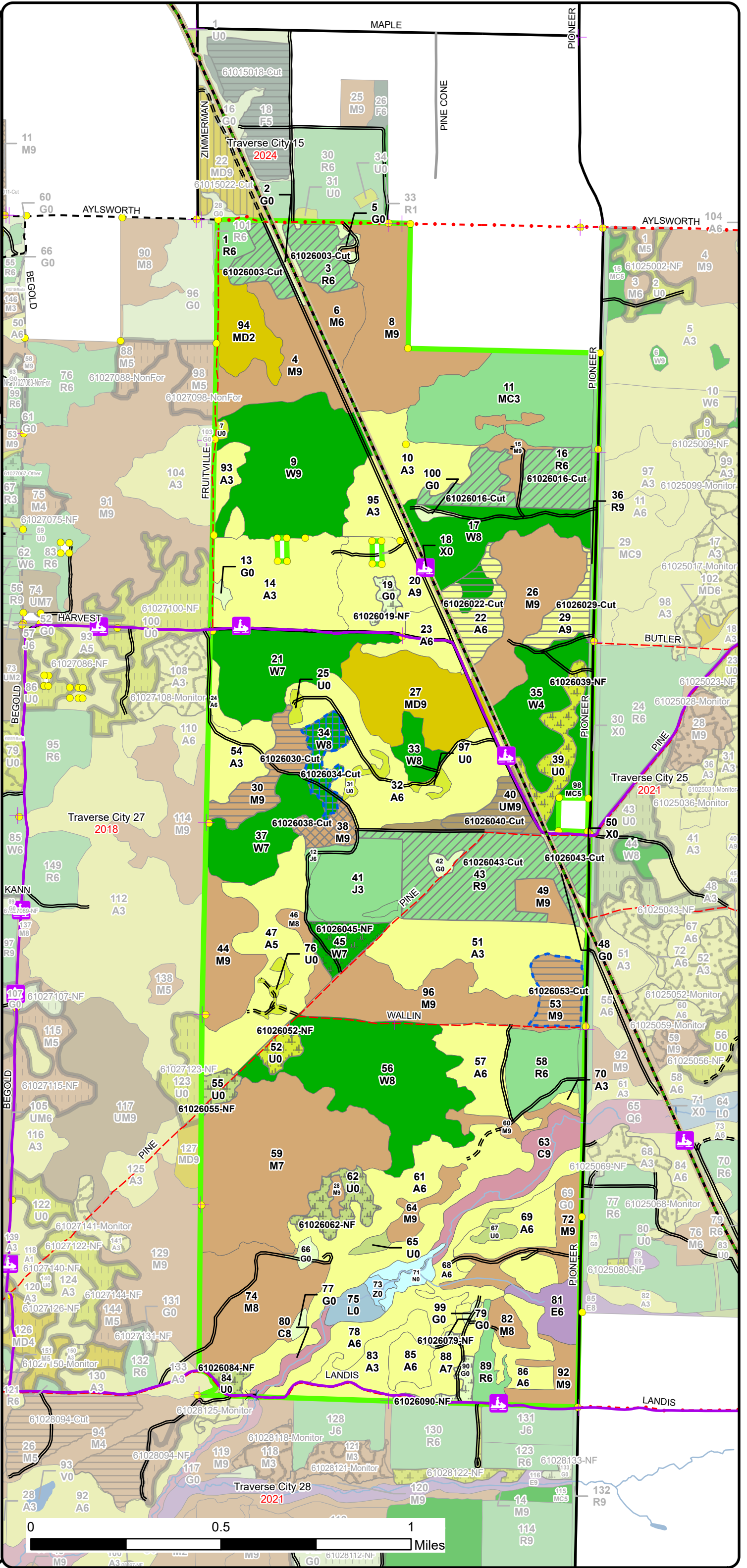
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 61026
 T25N, R14W, Sec: 4, 9, 16
 County: Benzie
 Unit: Traverse City
 Mgmt Area: Grand Traverse Moraine
 YOE: 2026
 Acres: 1883.4 GIS Calculated
 Examiner: Craig Allen
 Map Revised: 07/08/2024
 Map Phase: Web-Post

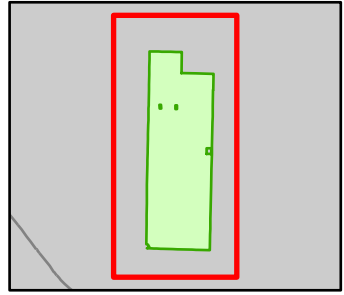


- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Multi-Use Trails
- Designated Snowmobile Trails
- Designated RailTrail
- Remonumented Section Corners
- Survey Grade Corners
- Bridges
- Culvert
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Lakes and Rivers
- Lake/Pond
- Perennial River
- Counties
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

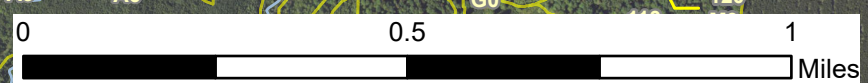
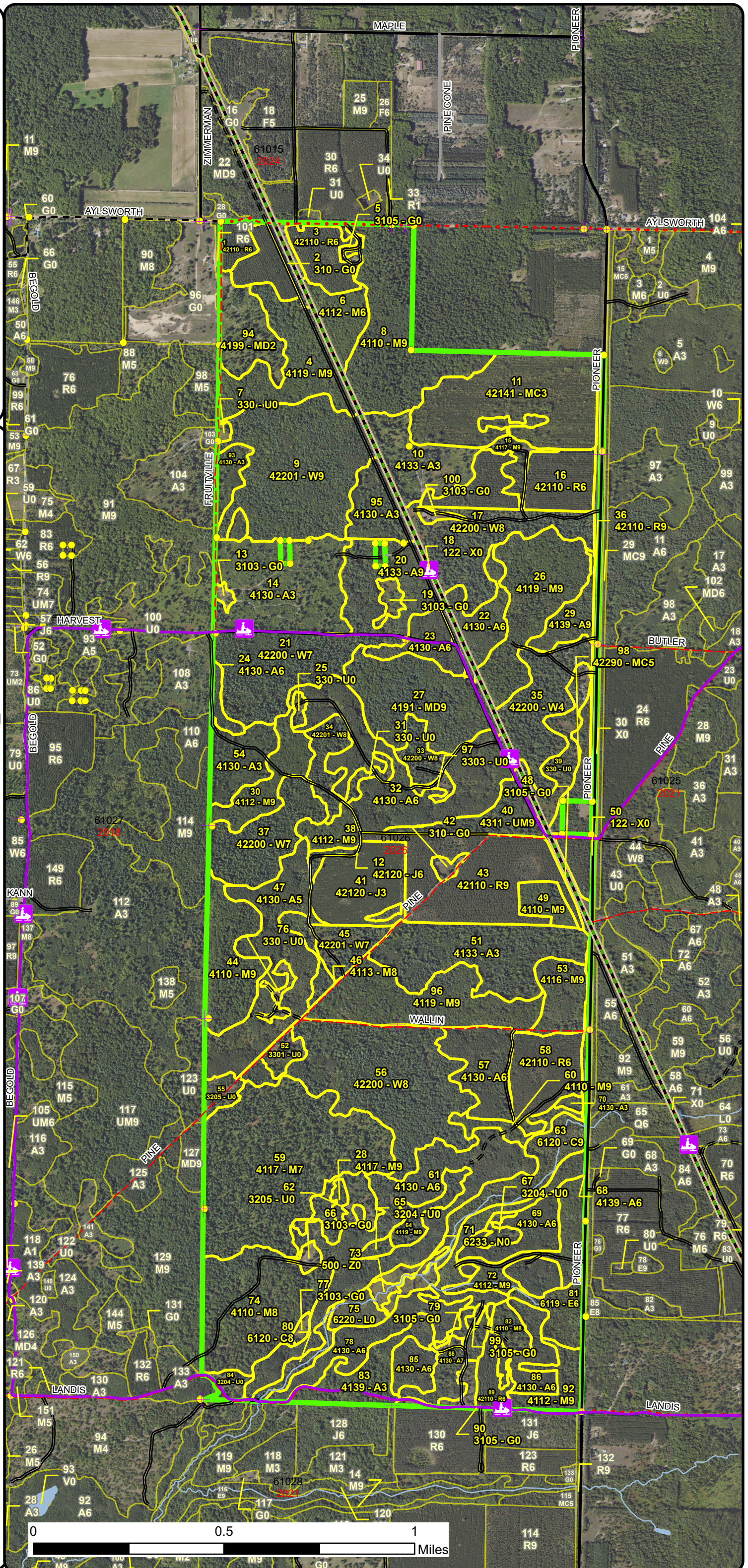


Stand Boundary Map

Compartment: 61026
 T25N, R14W, Sec: 4, 9, 16
 County: Benzie
 Unit: Traverse City
 Mgmt Area: Grand Traverse Moraine
 YOE: 2026
 Acres: 1883.4 GIS Calculated
 Examiner: Craig Allen
 Map Revised: 07/08/2024
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- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Multi-Use Trails
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- State Forests



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	79	116	0	276	0	4	57	28	0	0	0	0	0	0	0	0	0	560
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	21	6	0	0	0	27
Herbaceous Openland	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Jack Pine	0	0	29	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	33
Low-Density Trees	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	11
Lowland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Marsh	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	0	21	0	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	66
Natural Mixed Pines	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Northern Hardwood	0	0	0	0	0	0	0	15	7	59	172	178	60	0	0	0	0	0	491
Planted Mixed Pines	0	0	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63
Red Pine	0	0	0	0	0	0	0	95	60	10	0	0	0	0	0	0	0	0	165
Upland Mixed Forest	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	16
Upland Shrub	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	0	0	0	0	31	59	235	0	0	0	0	0	0	0	0	325
Total	121	100	208	0	284	0	4	202	215	304	172	178	71	21	6	0	0	0	1885



Report 2 – Treatment Summary

Traverse City Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 26
Total Compartment Acres: 1,883

Commercial Harvest - 186
Harvests with Site Condition - 26
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	30	0	0	0	0	0	0	0	0	30
Northern Hardwood	32	8	0	0	0	0	0	0	0	41
Red Pine	0	0	0	0	0	117	0	0	0	117
Upland Mixed Forest	13	0	0	0	0	0	0	0	0	13
White Pine	0	0	0	12	0	0	0	0	0	12
Total	75	8	0	12	0	117	0	0	0	212

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	212	0	0	0	0	0	0	63	0	275
Next Step	0	0	0	0	0	94	0	0	0	94
Total	212	0	0	0	0	94	0	63	0	369



Stand Name	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:

3	61026003-Cut	25.4	42110 - Planted Red Pine	Poletimber Well	63	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand by select marking individual trees to harvest approximately 1/3 of trees. Primarily focus on marking poor form, suppressed, defect trees then mark others allowing for approximately 1/3 of volume removal with even spacing throughout plantation as much as possible

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

16	61026016-Cut	31.6	42110 - Planted Red Pine	Poletimber Well	63	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand by select marking individual trees to harvest approximately 1/3 of trees. Primarily focus on marking poor form, suppressed, defect trees then mark others allowing for approximately 1/3 of volume removal with even spacing throughout plantation as much as possible

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

19	61026019-NF	3.5	3103 - Rubus-Fern	Nonstocked		Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrub		No
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Prescription 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.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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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22	61026022-Cut	19.3	4130 - Aspen	Poletimber Well	62	Unspec ified	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
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Prescription Cut all hardwoods and pine to open up area for mix regen and expansion of aspen component.
Specs: Mark to leave a couple small islands to meet LT retention requirements. Mark to leave many white pine between BVT trail and harvest area for visual aesthetic purpose. Do not mark sale boundary too close to BVT trail...there are plenty of younger trees there that can be left along that edge to visually soften the harvest boundary. Could also mark some scattered log-size sugar maple and pine for seed and stand species diversity.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mix of aspen, maple, pine to meet or exceed minimum stocking requirements.

Regen:

Other add drumming log spec

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

29	61026029-Cut	10.5	4139 - Aspen, Mixed Deciduous	Sawtimber Well	62	81-110	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
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Prescription Cut all hardwoods and pine to open up area for mix regen and expansion of aspen component. Mark to leave the "legacy" pine trees and a few of the largest old maple as well. Use spec to protect non-merchantable pine during harvest. Paint harvest boundary along edge of Pioneer road so that some trees are left between particularly where no aspen is present.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mix of aspen, pine, maple, cherry that meets or exceeds minimal stocking requirements.

Regen:

Other Add drumming spec.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

30	61026030-Cut	18.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	103	111-140	Harvest	Clearcut with Retention	4116 - Mixed N. Hardwood - Aspen	Even-Aged	No
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Prescription Clearcut all trees to regenerate mixed-hardwoods. Could mark to retain some scattered sugar maple log-sized seed trees (if find some acceptable ones). Follow retention guidelines for islands or retention of groups or individual trees along stand edges.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable sugar maple, red maple, aspen, cherry, white pine,

Regen:

Other could add drumming log spec.

Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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
34	61026034-Cut	11.6	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Medium	80	51-80	Harvest	Seed Tree with Retention	42201 - Natural White Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Manage for mix species stand. Harvest all aspen, cherry, maple. Harvest all white pine, but mark to retain approx. 10-20 BA</p> <p><u>Specs:</u> of mature wind-firm seed trees of white pine. Green mark to leave any "legacy" trees of any species. Aspen will likely expand in many open areas.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> white pine, sugar maple, red maple, cherry, aspen, basswood,</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Age-Class or Site Quality</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
38	61026038-Cut	8.2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	93	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Even-Aged	No
<p><u>Prescription</u> Select thin stand to promote growth of better-quality/health trees. Reduce average volume to approximately 80 BA. Possibly create some</p> <p><u>Specs:</u> small gap openings for regeneration. Mark to remove multi-stems and poor form trees first. Leave all conifers.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> mix of sugar maple, cherry, red maple to meet or exceed minimum stocking requirements.</p> <p><u>Other Comment:</u> Also, spec to remove any ironwood as needed to facilitate logging operations.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
39	61026039-NF	15.2	330 - Low-Density Trees	Nonstocked			Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrub	No
<p><u>Prescription</u> Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and</p> <p><u>Specs:</u> 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.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</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.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											



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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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40	61026040-Cut	12.5	4311 - Pine, Aspen Mix	Sawtimber Well	70	51-80	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
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Prescription Cut all hardwoods and pine to open up area for mix regen and expansion of aspen component. Could mark a few mature white pine seed-trees to leave per acre. Mark to leave the large dbh, old sugar and red maple trees that are near the road along south edge. Use spec to protect non-merchantable pine during harvest. Long-term retention identified on map in far SW corner, SE corner near roads intersection and north most tip between BVT trail and road.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mix of aspen, cherry, red maple, sugar maple, white pine to meet or exceed minimum stocking levels.

Regen:

Other Add grouse drumming log spec.

Comment: Add snowmobile trail protect spec.

Site Condition

Proposed Start Date: 10/1 /2025

43	61026043-Cut	60.4	42110 - Planted Red Pine	Sawtimber Well	71	171-200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand by select marking individual trees to harvest approximately 1/3 of trees. Primarily focus on marking poor form, suppressed, defect trees then mark others allowing for approximately 1/3 of volume removal with even spacing throughout plantation as much as possible.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

45	61026045-NF	11.5	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Poor	70	1-50	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrub		No
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Prescription 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.

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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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52	61026052-NF	5.3	3301 - Low Density Deciduous Trees	Nonstocked		Unspecified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrub	No
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Prescription 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.
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Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

53	61026053-Cut	14.2	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	65	81-110	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
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Prescription Cut all hardwoods and pine to open up area for mix species regen and expansion of aspen component. Mark to leave many of the Large DBH sugar maple for seed trees and diversity. Also, mark to keep some of the large, super-canopy white pine (future "Legacy" trees). Use spec to protect non-merchantable pine during harvest. Long-term retention area along south end as shown on map.

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

Acceptable Mix of aspen, maple, pine, cherry to meet or exceed minimum stocking levels.
Regen:

Other Add grouse drumming log spec
Comment:

Site Condition Long-Term Retention

Proposed Start Date: 10/1 /2025

55	61026055-NF	5.3	3205 - Mixed Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Pruning	3204 - Mast Producing Shrub	No
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Prescription 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.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



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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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62	61026062-NF	11.8	3205 - Mixed Upland Shrub	Nonstocked	Unspecified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrub		No
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Prescription 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.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

79	61026079-NF	1.2	3105 - Mixed Upland Herbaceous	Nonstocked	Unspecified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrub		No
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Prescription 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.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

84	61026084-NF	4.4	3204 - Mast Producing Shrub	Nonstocked	Unspecified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrub		No
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Prescription 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.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025



S
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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
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

90 61026090-NF	4.7	3105 - Mixed Upland Herbaceous	Nonstocked		Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrub		No
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Prescription 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.

Specs:
Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2025

Total Treatment 274.7
Acreage Proposed:

Report 4 – Site Conditions

Traverse City Mgt. Unit
 Craig Allen : Examiner

Compartment: 26
 Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions									
		With Condition				5B	5C	1A	2F	2G	3D	3G	3J	5E	
559	492	44		22	Aspen	11	33		16	0	0	0			6
27	0	0		27	Cedar				0	21				6	
32	29	0		2	Herbaceous Openland	0		2							
34	28	0		6	Jack Pine										6
32	32	0		0	Low-Density Trees										
11	0	0		11	Lowland Deciduous				0	11					
7	7	0		0	Lowland Shrub										
7	7	0		0	Marsh				0						
66	64	0		2	Mixed Upland Deciduous										2
8	8	0		0	Natural Mixed Pines										
491	476	0		15	Northern Hardwood				1	0	0	0	4	9	
63	63	0		0	Planted Mixed Pines										
165	154	0		11	Red Pine						10			1	
16	13	0		4	Upland Mixed Forest									4	
27	27	0		0	Upland Shrub										
13	12	0		0	Urban						0	0			
3	3	0		0	Water										
324	240	12		73	White Pine		12					73		0	
1,883	1,655	56		173	Total Forested Acres	12	44	2	18	33	10	73	10	27	
	88%	3%		9%	Relative Percent										

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This 4.6 acre area of mature trees can serve as long term retention strip between the 2 large aspen stands adjacent north and south (stands 57,61).							
2	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: LF- left for natural conversion to sugar maple and ash...let aspen fall out naturally from stand.							

Report 4 – Site Conditions

Traverse City Mgt. Unit

Craig Allen : Examiner

Compartment: 26

Year of Entry: 2026

3	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3G: Other Influence zones - See comments	73	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Very Unique=Some very old (approx.125-200yrs) and large white pine scattered throughout. There may be as many as 200 of these trees scattered in stand. One small area has a heavy concentration. Some have old fire scars. Majority seem quite healthy. May want to consider leaving stand for old growth potential							
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments: West half of this original stand was harvested in 2019 (now stand 14). Delay the harvest of this stand till 2034 to better stagger the ages...aspen is healthy doing fine and can easily go another 10 years. Keep some of the area between the two-track and the Betsie Valley Trail as long-term retention when doing the harvest.							
8	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: long term retention for stand 40.							

Report 4 – Site Conditions

Traverse City Mgt. Unit

Craig Allen : Examiner

Compartment: 26

Year of Entry: 2026

9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	21	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Dair creek corridor							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Dair creek corridor							
11	Unavailable	2F: Too steep	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: LF- Terrain and river setback							
12	Unavailable	2F: Too steep	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: steep towards dair creek and for retention for adjacent aspen harvests.							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Lf= wet							
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: long term retention for adjacent aspen harvest areas (stand 70)							

Report 4 – Site Conditions

Traverse City Mgt. Unit

Craig Allen : Examiner

Compartment: 26

Year of Entry: 2026

15	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: West half of this original stand was harvested in 2019 (now stand 14). Delay the harvest of this stand till 2034 to better stagger the ages...aspen is healthy doing fine and can easily go another 10 years. Keep some of the area between the two-track and the Betsie Valley Trail as long-term retention when doing the harvest.</p>							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
18	Unavailable	3D: Recreational / Scenic values	10	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<p>Comments: Along edge of pioneer road. Maintain for visual mgt / retention purposes.</p>							
19	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: long-term retention areas for adjacent stand 41</p>							
20	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: long term retention associated with adjacent stand 59 harvest in 2018</p>							

Report 4 – Site Conditions

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Year of Entry: 2026

21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: narrow strip of trees left between plantations used as part of Long-term retention.</p>							
22	Unavailable	1A: Federal/State/Local Law	2	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
23	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
24	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Long-term retention for stand 53.</p>							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	2F: Too steep	Unspecified	Unspecified	Unspecified
<p>Comments: Contains small cold water feeder creek that flows into Dair creek. Also, some steep slopes going down to creek.</p>							



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
	Type 1 or Type 2 Old Growth	Possible Type 2 Old Growth Area	SCA	95
Comments significant component of old fire scarred white pines.				



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.
SCA	Type 1 and Type 2 Old Growth	Old-Growth forest (also termed primary forest, ancient forest, virgin forest, or primeval forest) is an area of forest that has few or no signs of human disturbance and that exhibits unique ecological features related to age, composition and associated structure. Old growth forests are of natural origin. They may be dominated by late successional forest species (i.e. sugar maple and American beech), or may be a very old example of a stand dominated by long-lived early- or mid-seral species (i.e. oak, or red pine).
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
1	42110 - Planted Red Pine	Poletimber Well	6.3	63	141-170	N/A	Stand was planted irregular "cinnamon role" pattern. Was row-thinned on 6/15/2007 seedlings=red and sugar maple																																																		
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2	310 - Herbaceous Openland	Nonstocked	5.1		Unspecified	No	Open area that the Betsie Valley Trail (old railroad grade) passes through middle. In 2004 Wildlife Division did the listed species inventory and the following notes: East portion is degraded, mostly spotted knapweed and sheep's sorrow. West of railroad grade is more mixed grasses/cladonia/spotted knapweed/hoary alysum. Unlisted specie is hoary alysum.																																																		
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4	4119 - Mixed Northern Hardwoods	Sawtimber Well	36.5	83	81-110	N/A	Not much aspen, and it is quite scattered (not much in clones). Some Large, old white pine present. Some witch hazel present.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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5	3105 - Mixed Upland Herbaceous	Nonstocked	2.7		Unspecified	No	Stand species listed by inspection by wildlife division in 2004.																																																							
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6	4112 - Maple, Beech, Cherry Association	Poletimber Well	13.8	89	81-110	N/A																									
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7	330 - Low-Density Trees	Nonstocked	1.1		Unspecified	No	Species listed by Wildlife Division inspection in 2004. This opening has been used for logging landing in the past and likely in future.																																							
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8	4110 - Sugar Maple Association	Sawtimber Well	56.7	103	81-110	N/A	Thinned = Nov/dec. 2010. Then, in 2012...had "Maple decline" present in stand...particularly in north end so had some die back. Stand also contains Some w. pine super canopy trees and some hemlock.																																																		
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9	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	72.8	85	111-140	N/A	Age of stand is based on majority of white pine within the stand...not the super canopy XL trees.																																																		
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10	4133 - Aspen, Mixed Pine	Sapling Well	25.2	5	Immature	N/A	Harvest completed june of 2019 Very mixed species stand. Good white pine and good aspen. Most of the red pine in the stand is plantation that was taken over by hardwoods.																																																		
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11	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	62.8	13	Immature	N/A	red pine/jack pine strip plantation that was clearcut in Oct.2007. Was roller chopped in fall of 2008 for site prep Was trenched and planted to red pine in spring of 2011																																																		
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12	42120 - Planted Jack Pine	Poletimber Well	4.3	65	Unspecified	N/A	formerly a jack pine stand that was clearcut...these areas were left uncut...for diversity in the area and for wildlife use and retention.																																																		
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13	3103 - Rubus-Fern	Nonstocked	1.5		Unspecified	No	Bracken fern covered. Some shrub species present. Was used for logging landing site																																																	
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14	4130 - Aspen	Sapling Well	50.8	5	Immature	N/A	Harvested in may of 2019. In addition to the white pine, the stand also, contains scattered mature leave/retention trees of various size and species. Lots of apple trees were planted on this 80 in what appears as a failed attempt at an orchard, most likely planted pre-depression era.																																																	
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15	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	9.1	88	51-80	N/A	Red pine areas within this stand are plantation pine that is over taken by hardwoods.																																																	
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16	42110 - Planted Red Pine	Poletimber Well	31.6	63	171-200	N/A																																																		
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17	42200 - Natural White Pine	Sawtimber Medium	38.4	75	1-50	N/A	Many older open-grown white pine multi-stem (with weevil damage) with other sizes seeded in over time out into this (likely old ag) field area. Some of the re-gen is being protected from weevil damage by the larger over-story trees.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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18 122 - Road/Parking Lot Nonstocked 5.2 Unspecified This is the Betsie Valley Trail (which was a former railroad grade)

19 3103 - Rubus-Fern Nonstocked 3.5 Unspecified No Species and comments per Wildlife Division inspection in 2004 : White pine in clumps to the south. Some aspen regeneration (very light) along perimeter. A few black cherries are dead. Two apple trees to the north. Single elm tree. Unlisted specie is apple.

Sub-Canopy Species	Density	Avg. Height	Size
Bracken Fern	Full		Non-Wood
Mixed Grasses	Low		Non-Wood
Cladonia (Reindeer moss)	Trace		Non-Wood
American Elm	Trace		Pole
Black Cherry	Low		Pole
St. Johns Wort	Trace		Non-Wood
Unlisted - See Comments	Trace		
White Pine	Low		Pole
Aspen (spp.)	Low		Seeding
Poverty Grass	Trace		Non-Wood

20 4133 - Aspen, Mixed Pine Sawtimber Well 32.1 60 Unspecified N/A Lots of apple trees were planted here in what appears as a failed attempt at an orchard, most likely planted pre-depression era.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	30	Log/Pole	12		White Pine	High	Variable	Sapling
Bigtooth Aspen	20	Log/Pole	11	60	Red Maple	Medium	Variable	Sapling
Black Cherry	10	Log/Pole	12		Black Cherry	Medium	Variable	Sapling
Quaking Aspen	30	Log/Pole	11	60	Witch Hazel	Low	10 - 20 feet	Tall Shrub
Red Maple	10	Log	12					

21 42200 - Natural White Pine Sawtimber Poor 43.7 85 51-80 N/A Stand was harvested of all aspen and red maple in fall of 2007. Majority of pine was left on site. Managing for aspen and white pine mix stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	90	Log/Pole/Sap	11	85	White Pine	High	Variable	Sapling
Black Cherry	10	Log/Pole/Sap	11		Red Maple	Low	Variable	Sapling
					Bigtooth Aspen	High	Variable	Sapling

22 4130 - Aspen Poletimber Well 14.7 62 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Log/Pole	12		White Pine	Medium	5 - 10 feet	Sapling
Sugar Maple	10	Log	12		Sugar Maple	High	5 - 10 feet	Sapling
Bigtooth Aspen	60	Log/Pole	10	62				
White Pine	15	Pole/Log	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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23 4130 - Aspen Poletimber Well 12.4 36 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	30	Pole	6	36	White Pine	Low	Variable	Sapling
Black Cherry	10	Pole	6	36	Black Cherry	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	60	Pole	6	36	Red Maple	Medium	5 - 10 feet	Sapling

24 4130 - Aspen Poletimber Well 3.9 50 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	85	Pole/Log	8	50	Sugar Maple	Medium	>20 feet	Sapling
Red Maple	5	Pole	6		Ironwood	Low	>20 feet	Sapling
White Pine	10	Log/Pole	11		Red Maple	Medium	>20 feet	Sapling

25 330 - Low-Density Trees Nonstocked 1.7 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Cladonia (Reindeer moss)	Low		Non-Wood
Mixed Grasses	Low		Non-Wood
Sheep Sorrel	Trace		Non-Wood
Bracken Fern	Full		Non-Wood
White Pine	Low		Sapling
Choke Cherry	Low		
Black Cherry	Low		Sapling
St. Johns Wort	Trace		Non-Wood

26 4119 - Mixed Northern Hardwoods Sawtimber Well 42.2 93 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	10	Log/Pole	12		Sugar Maple	Low	>20 feet	Pole
White Pine	15	XLog/Log/Pole	22		Beech	Medium	Variable	Sapling
Beech	5	Log	16		Ironwood	High	Variable	Sapling
Bigtooth Aspen	10	Pole/Log	9		Hemlock	High	Variable	Pole
Red Maple	35	Log/Pole	14	93				
Sugar Maple	25	Log/Pole	12					

Nice mix species stand. Thinned in fall of 2010...thinning only seemed to stimulate ironwood and beech regen. any new sugar maple sap getting browsed.

27 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 44.7 77 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Log/Pole	10		Sugar Maple	Low	10 - 20 feet	Sapling
Red Maple	35	Log/Pole	12		White Pine	High	>20 feet	Sapling
Bigtooth Aspen	2	Pole/Log	9		Ironwood	Medium	10 - 20 feet	Sapling
Ironwood	3	Pole	6		Witch Hazel	Low	10 - 20 feet	Tall Shrub
Black Cherry	15	Log/Pole	10		Red Maple	Medium	10 - 20 feet	Sapling
White Pine	40	Log/Pole	12	77				

Handful of elm trees in stand. Many very large DBH ironwood.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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28	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	2.1	98	81-110	N/A	Medium to low quality hardwoods intermixed with good white pine. Most likely a low site index for the hardwoods. Also contains some beech.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Pole	8		Ironwood	High	>20 feet	Sapling
White Pine	25	Log/Pole	10		White Pine	Medium	>20 feet	Sapling
Red Maple	25	XLog/Log/Pole	18	98	Sugar Maple	High	>20 feet	Sapling
Quaking Aspen	15	Log	12					
Sugar Maple	30	Log/Pole	12	98				

29	4139 - Aspen, Mixed Deciduous	Sawtimber Well	10.5	62	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	40	Log/Pole	12	62	Beech	Low	5 - 10 feet	Sapling
White Pine	15	Log/Pole/XLog	10		White Pine	Medium	>20 feet	Pole
Sugar Maple	5	Log/Pole/XLog	10		White Pine	High	5 - 10 feet	Sapling
Red Maple	40	Log/Pole	12		Ironwood	Medium	10 - 20 feet	Sapling

30	4112 - Maple, Beech, Cherry Association	Sawtimber Well	18.1	103	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	70	Log/Pole	11	103	Sugar Maple	Medium	>20 feet	Sapling
White Pine	5	Log	12		Sugar Maple	Medium	>20 feet	Pole
Bigtooth Aspen	15	Log/Pole	11		Red Maple	Medium	>20 feet	Sapling
Sugar Maple	5	Pole/Log	8		White Pine	Low	>20 feet	Sapling
Black Cherry	5	Log/Pole	11		Ironwood	Low	>20 feet	Pole

31	330 - Low-Density Trees	Nonstocked	3.3		Unspecified	No	Species and comments by wildlife division review in 2004 : Some large white pine along south perimeter. Aspen regenerating in spots. A few areas with clumps of choke cherry/shrubby sapling black cherries. Two young (15ft) hemlock in one spot.
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Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace		Sapling
Mixed Grasses	Medium		Non-Wood
Strawberry	Trace		Non-Wood
Unlisted - See Comments	Medium		
Hemlock	Trace		Pole
St. Johns Wort	Trace		Non-Wood
Black Cherry	Medium		Sapling
Rock Elm	Trace		Pole
Aspen (spp.)	Medium		Sapling
Choke Cherry	Low		
Bracken Fern	High		Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
32	4130 - Aspen	Poletimber Well	58.5	36	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry		10	Pole	7	36	White Pine	Medium	Variable	Sapling
Quaking Aspen		30	Pole	7	36	Black Cherry	High	Variable	Sapling
Bigtooth Aspen		60	Pole	7	36				
33	42200 - Natural White Pine	Sawtimber Medium	8.8	70	1-50	N/A	Most mature pine are weevil damaged open-grown trees. Stand gaps are slowly filling-in with white pine regeneration.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		80	Log/Pole/XLog	14	70	White Pine	High	Variable	Sapling
Black Cherry		15	Pole/Log	8					
Red Maple		5	Pole/Log	8					
34	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Medium	11.6	80	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry		20	Log	14		Black Cherry	Low	10 - 20 feet	Sapling
White Pine		70	Log/Pole	12	80	Ironwood	Low	10 - 20 feet	Sapling
Quaking Aspen		10	Pole	6		White Pine	Medium	10 - 20 feet	Sapling
35	42200 - Natural White Pine	Poletimber Poor	31.1	60	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		80	Log/Pole	10	60	White Pine	Medium	5 - 10 feet	Sapling
Black Cherry		20	Log/Pole	11		Black Cherry	Medium	5 - 10 feet	Sapling
36	42110 - Planted Red Pine	Sawtimber Well	9.9	82	171-200	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		80	Log/Pole	12	82	White Pine	Medium	5 - 10 feet	Sapling
White Pine		10	Pole	8					
Jack Pine		10	Pole	8					
37	42200 - Natural White Pine	Sawtimber Poor	29.7	80	51-80	N/A	Timber sale cut in fall of 2007 2024...sap sub-canopy now 2 inch DBH.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		5	Pole	6		Beech	Low	>20 feet	Sapling
White Pine		95	Log/Pole	10	80	Bigtooth Aspen	High	>20 feet	Sapling
						Red Maple	Medium	>20 feet	Sapling
						Sugar Maple	Low	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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38 4112 - Maple, Beech, Cherry Association Sawtimber Well 8.2 93 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	5	Pole	6		Beech	Medium	Variable	Sapling
Red Maple	70	Log/Pole	12	93	Sugar Maple	Low	>20 feet	Sapling
Bigtooth Aspen	10	Log	12		Ironwood	Medium	>20 feet	Sapling
Sugar Maple	15	Log	12					

39 330 - Low-Density Trees Nonstocked 15.2 Unspecified No Species listed are from 2004 Wildlife Division inventory.

Sub-Canopy Species	Density	Avg. Height	Size
Autumn Olive	Medium		Tall Shrub
Poverty Grass	Trace		Non-Wood
White Pine	Medium		Pole
Hawthorn (spp.)	Trace		Tall Shrub
Serviceberry (Juneberry)	Trace		
Spotted Knapweed	Trace		Non-Wood
Black Cherry	Low		Sapling
Jack Pine	Low		Pole
Unlisted - See Comments	Trace		
Juniper	Trace		Tall Shrub
Bracken Fern	Full		Non-Wood
Honeysuckle (spp.)	Trace		Tall Shrub
Cladonia (Reindeer moss)	High		Non-Wood
St. Johns Wort	Trace		Non-Wood
Choke Cherry	Trace		
Red Maple	Trace		Log

40 4311 - Pine, Aspen Mix Sawtimber Well 16.1 70 51-80 N/A Also contains a handful of large DBH sugar and red maple near edges of roads...retain these trees.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	30	Log/Pole	10		Red Maple	Low	10 - 20 feet	Sapling
White Pine	45	Log/Pole	10	70	White Pine	Medium	Variable	Sapling
Black Cherry	25	Log/Pole	12		Black Cherry	Medium	5 - 10 feet	Sapling

41 42120 - Planted Jack Pine Sapling Well 29.3 13 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	70	Sapling	2	13
Black Cherry	5	Sapling	2	
Red Pine	25	Sapling	2	13

Formerly a jack pine stand that was clearcut in december of 2008 to convert to red pine. Site had heavy load of slash too thick to be planted, so it was burned to prepare area to be trenched and planted to red pine seedlings. (Note: Burn was very hot and consumed all slash completely). 4/28/2011 area planted to red pine (2-0) Jack pine is all volunteer regen.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42 310 - Herbaceous Openland Nonstocked 2.3 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low		Pole
Sheep Sorrel	Trace		Non-Wood
Common Lilac	Trace		Tall Shrub
St. Johns Wort	Low		Non-Wood
Rose	Low		Tall Shrub
Unlisted - See Comments	Trace		
Spotted Knapweed	Low		Non-Wood
White Pine	Low		Log
Mixed Grasses	Full		Non-Wood

43 42110 - Planted Red Pine Sawtimber Well 60.4 71 171-200 N/A

Thinned every 3rd tree oct-nov 2007.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	11	71

44 4110 - Sugar Maple Association Sawtimber Well 29.0 113 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	65	Log/Pole	16	113	White Ash	Medium	Variable	Sapling
Beech	5	Log	18		Ironwood	High	Variable	Sapling
Basswood	25	XLog/Log/Pole	18	113	Sugar Maple	Medium	Variable	Sapling
Black Cherry	5	Log/Pole	12		Beech	Low	Variable	Sapling

45 42201 - Natural White Pine, Mixed Deciduous Sawtimber Poor 11.5 70 1-50 N/A

"Islands" of mature pine and cherry with advanced regen of white pine around edges...slowly filling-in openings.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	60	XLog/Log/Pole	18	70	Jack Pine	Low	Variable	Sapling
Black Cherry	30	Pole/Log	9		White Pine	Medium	Variable	Sapling
Jack Pine	10	Pole	7					

46 4113 - R.Maple, Conifer Sawtimber Medium 6.0 90 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	60	Log/Pole	12	90	Red Maple	Low	Variable	Sapling
Quaking Aspen	5	Log/Pole	10		White Pine	Medium	Variable	Sapling
White Pine	20	Pole/Log	8		Beech	Low	Variable	Sapling
Black Cherry	10	Log/Pole	10		Ironwood	Medium	Variable	Sapling
Sugar Maple	5	Log/Pole	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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47 4130 - Aspen Poletimber Medium 48.9 36 Unspecified N/A Also contains some scattered large DBH white pine. Stand has many small natural openings.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	55	Pole	6	36	Black Cherry	High	Variable	Sapling
White Pine	5	Pole	6		White Pine	Low	Variable	Sapling
Black Cherry	5	Pole	6		Sugar Maple	Low	Variable	Sapling
Quaking Aspen	35	Pole	5	36				

48 3105 - Mixed Upland Herbaceous Nonstocked 4.2 Unspecified No This is the semi-open areas adjacent to the Betsie Valley recreation trail (an old railroad grade) Species listed here is from 2004 wildlife division inventory.

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	Low		Non-Wood
St. Johns Wort	Low		Non-Wood
Cladonia (Reindeer moss)	Trace		Non-Wood
Unlisted - See Comments	Low		
Bracken Fern	High		Non-Wood
Conifers	Low		Seeding
Black Cherry	Low		Sapling
Poverty Grass	Trace		Non-Wood
Spotted Knapweed	Low		Non-Wood

49 4110 - Sugar Maple Association Sawtimber Well 8.0 105 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	5	Log	18		Sugar Maple	Medium	>20 feet	Sapling
White Pine	5	Log	20		Ironwood	High	10 - 20 feet	Sapling
Red Maple	5	Log/Pole	11					
Sugar Maple	80	Log/Pole	11	105				
Black Cherry	5	Log/Pole	11					

50 122 - Road/Parking Lot Nonstocked 7.3 Unspecified This is Pioneer road corridor.

51 4133 - Aspen, Mixed Pine Sapling Well 49.6 16 1-50 N/A Harvested in Dec. 2007

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	45	Sapling	2	16	Hemlock	Low	>20 feet	Pole
White Pine	25	Pole	8	60				
Red Maple	20	Sapling	2	16				
White Pine	10	XLog	25					

Also has some scattered large DBH beech.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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52 3301 - Low Density Deciduous Trees Nonstocked 5.3 Unspecified No Species listed here are from a 2004 wildlife division inventory.

Sub-Canopy Species	Density	Avg. Height	Size
Bracken Fern	Medium		Non-Wood
Black Cherry	Medium		Seeding
Aspen (spp.)	Medium		Seeding
Blackberry/Raspberry	Trace		Tall Shrub
Hemlock	Trace		Sapling
Cladonia (Reindeer moss)	Trace		Non-Wood
Witch Hazel	Trace		Tall Shrub
Beech	Trace		Log
Poverty Grass	Trace		Non-Wood
White Pine	Low		Pole
Unlisted - See Comments	Low		
Sugar Maple	Low		Log
Mixed Grasses	Medium		Non-Wood

53 4116 - Mixed N. Hardwood - Aspen Sawtimber Well 15.2 65 81-110 N/A Also contains a few cherry.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Log	12		Red Maple	Low	>20 feet	Pole
Bigtooth Aspen	25	Log/Pole	11	65	Ironwood	High	>20 feet	Sapling
Red Maple	65	Log/Pole	14	65	White Pine	Low	>20 feet	Sapling
White Pine	5	Log	14		Sugar Maple	Low	>20 feet	Sapling

54 4130 - Aspen Sapling Well 18.0 17 Unspecified N/A Stand was harvest of all aspen and red maple in fall of 2007. Majority of large old white pine was left on site.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling	3	17	Black Cherry	High	5 - 10 feet	Sapling
Black Cherry	10	Sapling	3	17	Quaking Aspen	High	5 - 10 feet	Sapling
Bigtooth Aspen	35	Sapling	3	17				
Quaking Aspen	40	Sapling	3	17				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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55 3205 - Mixed Upland Shrub Nonstocked 5.3 Unspecified No Species listed here are from 2004 Wildlife Division Inventory.

Sub-Canopy Species	Density	Avg. Height	Size
Ash (spp.)	Trace		Pole
Cladonia (Reindeer moss)	Trace		Non-Wood
Sugar Maple	Trace		Log
White Pine	Trace		Pole
Hawthorn (spp.)	Trace		Tall Shrub
Strawberry	Trace		Non-Wood
Blackberry/Raspberry	Medium		Tall Shrub
Black Cherry	Low		Pole
Serviceberry (Juneberry)	Trace		
Witch Hazel	Trace		Tall Shrub
Mixed Grasses	Low		Non-Wood
Spotted Knapweed	Low		Non-Wood
Aspen (spp.)	Low		Seeding
Bracken Fern	Medium		Non-Wood
Poverty Grass	Trace		Non-Wood

56 42200 - Natural White Pine Sawtimber Medium 76.8 80 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	100	Log/Pole/XLog	12	80

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	High	10 - 20 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling
Sugar Maple	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	High	10 - 20 feet	Sapling

57 4130 - Aspen Poletimber Well 22.0 34 Unspecified N/A

Scattered (mostly log-sized) white pine trees left when this was cut. Also, contains some scattered natural openings.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	10	Sapling/Pole	4	34
Bigtooth Aspen	70	Pole	5	34
White Pine	10	Log/Pole	12	
Red Maple	10	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	High	5 - 10 feet	Sapling
Ironwood	Medium	Variable	Sapling

58 42110 - Planted Red Pine Poletimber Well 23.5 63 141-170 N/A

Third row thinning completed on 12/17/2007. Thinned by selection in October 2018.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	97	Pole/Log	9	63
Black Cherry	3	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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59	4117 - Mixed N. Hardwood - Pine	Sawtimber Poor	98.7	98	51-80	N/A	Harvested in June of 2018. Many sugar maple and pine left, also pockets of advanced sugar maple where left undisturbed as much as possible during logging activities. 2023 inspection = harvest seemed to mostly stimulate the growth of ironwood and beech. Any sugar maple regen getting heavily browsed.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Log/Pole	12	98	Sugar Maple	Low	Variable	Sapling
Red Maple	5	XLog/Log	18	98	Bigtooth Aspen	Medium	< 5 feet	Sapling
Black Cherry	5	Pole	8		White Pine	Medium	>20 feet	Sapling
White Pine	40	Log/Pole	10		Ironwood	High	Variable	Sapling
					Beech	Medium	Variable	Sapling

60	4110 - Sugar Maple Association	Sawtimber Well	7.0	70	81-110	N/A	Stand also contains a few hemlock and mature white pine. Scattered w. pine saps in understory.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	5	Log/Pole	12	70	Sugar Maple	Low	>20 feet	Sapling
Basswood	20	Log/Pole	12		Ironwood	Medium	>20 feet	Sapling
Black Cherry	10	Log/Pole	12					
Sugar Maple	65	Log/Pole	12	70				

61	4130 - Aspen	Poletimber Well	66.8	34	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	50	Pole	6	34	White Pine	Low	5 - 10 feet	Sapling
Bigtooth Aspen	50	Pole	6	34	Black Cherry	High	5 - 10 feet	Sapling

62	3205 - Mixed Upland Shrub	Nonstocked	11.8		Unspecified	No	Note: Species/inventory data is from 2004 wildlife division review.
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Sub-Canopy Species	Density	Avg. Height	Size
Cladonia (Reindeer moss)	Low		Non-Wood
Serviceberry (Juneberry)	Low		
Blackberry/Raspberry	Medium		Tall Shrub
Mixed Grasses	Medium		Non-Wood
Autumn Olive	Low		Tall Shrub
Rock Elm	Trace		Pole
Unlisted - See Comments	Medium		
Witch Hazel	Low		Tall Shrub
Black Cherry	Low		Sapling

63	6120 - Lowland Cedar	Sawtimber Well	21.4	125	Unspecified	N/A	Contains Dair Creek.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log/Pole	12		White Pine	Low	Variable	Sapling
Northern White Cedar	65	Log/Pole	12	125	Northern White Cedar	Low	>20 feet	Pole
Yellow Birch	5	Pole	6		Hemlock	Low	< 5 feet	Sapling
Hemlock	20	Pole/Log	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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64 4119 - Mixed Northern Hardwoods Sawtimber Well 8.1 93 51-80 N/A Mixed species stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Log/Pole	12		Black Cherry	High	5 - 10 feet	Sapling
Basswood	25	Log/Pole	12	93	Ironwood	Low	5 - 10 feet	Sapling
White Pine	15	XLog/Log/Pole	18		Witch Hazel	High	10 - 20 feet	Tall Shrub
Red Maple	10	Pole/Log	8		White Pine	Low	Variable	Sapling
Black Cherry	25	Log/Pole	12					
Bigtooth Aspen	10	Log/Pole	10					

65 3204 - Mast Producing Shrub Nonstocked 2.2 Unspecified No Note: species/data from 2004 wildlife division field review.

Sub-Canopy Species	Density	Avg. Height	Size
St. Johns Wort	Trace		Non-Wood
White Pine	Trace		Log
Witch Hazel	High		Tall Shrub
Mixed Grasses	Low		Non-Wood
Blackberry/Raspberry	High		Tall Shrub
Black Cherry	Medium		Sapling
Sheep Sorrel	Trace		Non-Wood
Deciduous Saplings	Low		Pole
Bracken Fern	Low		Non-Wood

66 3103 - Rubus-Fern Nonstocked 2.3 Unspecified No Used frequently for a logging landing and turn-around area for all the adjacent stands.

67 3204 - Mast Producing Shrub Nonstocked 3.6 Unspecified No Note: species/inventory and the following comments done by wildlife division in 2004. A few nice snags. Some nice, straight white pine. Mostly black cherry shrubland with upland deciduous mixed in. Ground cover is dominated by raspberry/blackberry with clumps of goldenrod. Fair amount of mullein found here. Unlisted specie is hawkweed.

Sub-Canopy Species	Density	Avg. Height	Size
Bracken Fern	Low		Non-Wood
Strawberry	Trace		Non-Wood
Blackberry/Raspberry	High		Tall Shrub
Black Cherry	High		Sapling
Unlisted - See Comments	Low		
White Pine	Low		Log
Deciduous Saplings	Low		Sapling
Mixed Grasses	Low		Non-Wood
St. Johns Wort	Low		Non-Wood

68 4139 - Aspen, Mixed Deciduous Poletimber Well 16.1 70 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	XLog	20		Red Maple	Medium	>20 feet	Sapling
Bigtooth Aspen	55	Log/Pole	12	70	White Pine	Medium	10 - 20 feet	Sapling
Red Maple	40	Log/Pole	12		Ironwood	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
69	4130 - Aspen	Poletimber Well	22.6	34	Unspecified	N/A	Also some scattered white pine pole/sawlog trees were left when this stand was cut. Forbs= raspberry, Brachen, trout lilly.																																																		
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70	4130 - Aspen	Sapling Well	2.8	6	Immature	N/A	These are 2 small harvest areas cut in fall of 2018...mainly for aspen regen.																																																		
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71	6233 - Wet Meadow	Nonstocked	6.6		Unspecified	No	Seasonally wet from beaver dam activity on Dair creek. Mostly sedges with a few alders along perimeter. Dead wood and snags.																																																		
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Sedges	Full		Non-Wood																																																						
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72	4112 - Maple, Beech, Cherry Association	Sawtimber Well	19.1	113	81-110	N/A	Also has: scattered witch hazel, white pine saps, ash sweet cicely, trout lilly, violet.																																																		
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73	500 - Water	Nonstocked	2.7		Unspecified	No	Dair Creek Beaver lodge... Beaver activity. This is an old beaver pond with lots of dead wood. Perimeter is covered in sedges. Some cattails, tag alders, and bulrushes.																																																		
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74	4110 - Sugar Maple Association	Sawtimber Medium	51.1	100	51-80	N/A	lots of multi-stem canopy trees. scattered openings																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
75	6220 - Alder/willow	Nonstocked	6.7		Unspecified	No	Dair Creek corridor....Beavers made a second-tier dam. From east edge, looks mostly tag alders. Unlisted specie is fern.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Quaking Aspen	Trace	Unspecified	Sapling
								Unlisted - See Comments	Full		
								Viburnum	Trace		Tall Shrub
								Northern White Cedar	Trace		Pole
								Tag Alder	High		Tall Shrub
Cattail spp.	Trace		Non-Wood								
76	330 - Low-Density Trees	Nonstocked	3.0	0	Unspecified	No					
77	3103 - Rubus-Fern	Nonstocked	1.5		Unspecified	No	species/inventory from 2004 wildlife division inventory. Most rubus specie with hawkweed and st. john's wort.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Mixed Grasses	Low		Non-Wood
								Strawberry	Low		Non-Wood
								St. Johns Wort	Medium		Non-Wood
								Bigtooth Aspen	Trace	Unspecified	Sapling
								Bracken Fern	Low		Non-Wood
								Unlisted - See Comments	Medium		
								Blackberry/Raspberry	High		Tall Shrub
								Autumn Olive	Trace		Tall Shrub
								Black Cherry	Low		Pole
Poverty Grass	Low		Non-Wood								
78	4130 - Aspen	Poletimber Well	22.2	34	Unspecified	N/A					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size			
Quaking Aspen	45	Pole/Sapling	5	34	Quaking Aspen	Full	10 - 20 feet	Sapling			
Black Cherry	5	Pole/Sapling	5	34	Black Cherry	Medium	10 - 20 feet	Sapling			
Bigtooth Aspen	50	Pole/Sapling	7	34							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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79 3105 - Mixed Upland Herbaceous Nonstocked 1.2 Unspecified No This opening used as logging landing for surrounding timber stands.

Sub-Canopy Species	Density	Avg. Height	Size
Blackberry/Raspberry	Low		Tall Shrub
Shrubby Cinquefoil	Medium		Tall Shrub
Mixed Grasses	Medium		Non-Wood
Unlisted - See Comments	Trace		
St. Johns Wort	Low		Non-Wood
Autumn Olive	Low		Tall Shrub
Black Cherry	Low		Pole
Basswood	Trace		Log
Spotted Knapweed	Low		Non-Wood
Mixed Legumes	Trace		Non-Wood
Bracken Fern	Medium		Non-Wood
Witch Hazel	Low		Tall Shrub
Bigtooth Aspen	Trace	Unspecified	Sapling

80 6120 - Lowland Cedar Sawtimber Medium 5.9 130 81-110 N/A Dair Creek corridor.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	30	Log/Pole	12	
Northern White Cedar	70	Pole/Log	9	130

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Medium	10 - 20 feet	Tall Shrub
Tag Alder	High	Variable	Tall Shrub
Black Cherry	Medium	5 - 10 feet	Sapling
Black Ash	Low	>20 feet	Pole

81 6119 - Mixed Lowland Deciduous Forest Poletimber Well 11.3 113 Unspecified N/A A tributary headwaters of Dair Creek. Swampy and wet. Marsh Marigold present.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	5	Sapling/Pole	8	
Sugar Maple	10	Pole/Log	8	
American Elm	15	Pole/Log	8	
Yellow Birch	25	Log/Pole	10	
Basswood	25	Log	12	113
Red Maple	10	Pole/Log	8	
Hemlock	10	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	>20 feet	Pole
American Elm	Medium	>20 feet	Sapling
Black Ash	Medium	>20 feet	Sapling
Red Maple	Low	>20 feet	Sapling
Sugar Maple	Low	>20 feet	Sapling

82 4110 - Sugar Maple Association Sawtimber Medium 6.0 98 51-80 N/A park-like, with natural openings Saplings moving into the open spaces. Manage for sugar maple.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	70	Log/Pole	12	98
Black Cherry	5	Log/Pole	10	
Ironwood	15	Pole/Sapling	5	
Basswood	5	Log/Pole	12	
Quaking Aspen	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Medium	>20 feet	Sapling
Black Cherry	Low	10 - 20 feet	Sapling
Sugar Maple	Medium	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
83	4139 - Aspen, Mixed Deciduous	Sapling Well	22.5	17	Unspecified	N/A	Stand was cut in June, 2007. Red maple, aspen, cherry was cut (except those trees marked with green paint). There was existing sugar maple saps in understory prior to harvest especially in SW portion of stand...It is doing very good. Lots more maple and ash in understory in the south end. Medium quality aspen.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Cherry		10	Sapling	1	17	Witch Hazel		Low	10 - 20 feet	Tall Shrub
Red Maple		5	Sapling	1		American Fly Honeysuckle		Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen		45	Sapling	1	17					
Sugar Maple		40	Sapling	1	17					
84	3204 - Mast Producing Shrub	Nonstocked	4.4		Unspecified	No	Species/inventory mostly from 2004 wildlife division inventory. Black cherry with mixed fruiting shrubs underneath. Ground cover is mostly rubus, cladonia, mixed grasses & forbs. Also has some various mature hardwood trees scattered spots.			
Sub-Canopy Species		Density	Avg. Height	Size						
Witch Hazel		Low		Tall Shrub						
Serviceberry (Juneberry)		Low								
Juniper		Trace		Tall Shrub						
Mixed Grasses		Medium		Non-Wood						
Spotted Knapweed		Low		Non-Wood						
Autumn Olive		Low		Tall Shrub						
Honeysuckle (spp.)		Low		Tall Shrub						
Blackberry/Raspberry		Medium		Tall Shrub						
St. Johns Wort		Low		Non-Wood						
85	4130 - Aspen	Poletimber Well	8.6	34	Unspecified	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		30	Pole	6	34	Black Cherry		Full	10 - 20 feet	Sapling
Bigtooth Aspen		65	Pole	6	34	Quaking Aspen		Medium	10 - 20 feet	Sapling
Black Cherry		5	Pole	6	34	Witch Hazel		Medium	5 - 10 feet	Tall Shrub
86	4130 - Aspen	Poletimber Well	14.1	34	Unspecified	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		45	Pole	5	34	Ironwood		Medium	Variable	Sapling
Bigtooth Aspen		50	Pole	7	34	Witch Hazel		Medium	10 - 20 feet	Tall Shrub
Black Cherry		5	Pole	5	34	Black Cherry		Medium	10 - 20 feet	Sapling
88	4130 - Aspen	Sawtimber Poor	11.5	75	Unspecified	N/A	Manage for sugar maple. very nice sapling sugar maple regen			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Sugar Maple		10	Log/Pole	16		Sugar Maple	High	10 - 20 feet	Sapling	
Quaking Aspen		90	Log/Pole	10	75	White Ash	Medium	>20 feet	Sapling	
						Black Cherry	Medium	5 - 10 feet	Sapling	
						Witch Hazel	Low	10 - 20 feet	Tall Shrub	
						American Fly Honeysuckle	Low	5 - 10 feet	Tall Shrub	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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89 42110 - Planted Red Pine Poletimber Well 8.4 66 141-170 N/A Thinning completed on 11/30/2007

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	15	Pole/Log	8	66	Beech	Medium	Variable	Sapling
Red Pine	85	Log/Pole	10	66	Witch Hazel	Low	>20 feet	Tall Shrub
					White Ash	Medium	Variable	Sapling
					Sugar Maple	Medium	Variable	Sapling

90 3105 - Mixed Upland Herbaceous Nonstocked 4.7 Unspecified No Species /inventory was done by wildlife division in 2004. Has been used for logging landing and equipment operations in the past. Seasonal county road and snowmobile trail runs through.

Sub-Canopy Species	Density	Avg. Height	Size
Poverty Grass	Trace		Non-Wood
Honeysuckle (spp.)	Low		Tall Shrub
Unlisted - See Comments	Trace		
Sheep Sorrel	Trace		Non-Wood
Mixed Grasses	Medium		Non-Wood
Choke Cherry	Trace		
Witch Hazel	Low		Tall Shrub
St. Johns Wort	Low		Non-Wood
Shrubby Cinquefoil	Trace		Tall Shrub
Rock Elm	Trace		Pole
Bracken Fern	Low		Non-Wood
Juniper	Trace		Tall Shrub
Spotted Knapweed	Medium		Non-Wood
Black Cherry	Low		Sapling
Cladonia (Reindeer moss)	Low		Non-Wood

92 4112 - Maple, Beech, Cherry Association Sawtimber Well 11.4 112 81-110 N/A Stand was thinned spring of 2009...result was real nice sugar maple regen that is over 6 feet in height so getting out of deer browse range.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log	14		Beech	Low	Variable	Sapling
Bigtooth Aspen	5	Log/Pole	12		Ironwood	Medium	10 - 20 feet	Sapling
Sugar Maple	70	Log/Pole	14	112	Sugar Maple	Full	Variable	Sapling
Black Cherry	5	Log	10					

93 4130 - Aspen Sapling Well 9.2 17 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Sapling	3	17	Witch Hazel	Low	10 - 20 feet	Tall Shrub
White Pine	3	Log/Pole/XLog	14					
Red Maple	15	Sapling	3	17				
Sugar Maple	2	Log/Pole	12					
Bigtooth Aspen	75	Sapling	3	17				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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94	4199 - Other Mixed Upland Deciduous	Sapling Medium	20.8	5	Immature	N/A	Harvested in June 2019...natural Regen just now getting started. Some witch hazel present.
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	35	Sapling	1	5
Red Maple	15	Sapling	1	
Beech	20	Sapling	1	
Sugar Maple	10	Log/Pole	12	
White Pine	10	Log/Pole	12	
Black Cherry	10	Sapling	1	

95	4130 - Aspen	Sapling Well	15.8	17	Unspecified	N/A	Was harvested in summer of 2007 to regenerate and expand aspen. Some white pine left for diversity and seed source for mix stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log/Pole/XLog	12	85	White Pine	Low	10 - 20 feet	Sapling
Black Cherry	5	Sapling	3	17	Witch Hazel	Low	10 - 20 feet	Tall Shrub
Red Maple	13	Sapling	3	17				
Bigtooth Aspen	72	Sapling	3	17				

96	4119 - Mixed Northern Hardwoods	Sawtimber Well	44.6	100	81-110	N/A	In general, lots of multi-stem trees. Also has some scattered large DBH beech. and some very large and old white pine scattered locations.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	XLog/Log/Pole	20		Ironwood	High	10 - 20 feet	Sapling
Sugar Maple	10	Log/Pole	12		Beech	Low	< 5 feet	Sapling
Red Maple	55	Log/Pole	12	100	Sugar Maple	Medium	>20 feet	Sapling
Bigtooth Aspen	5	Log/Pole	12		Hemlock	Low	>20 feet	Pole
Beech	5	Log/Pole	14		Red Maple	Medium	>20 feet	Sapling
Basswood	15	Log/Pole	14					

97	3303 - Mixed Low Density Trees	Nonstocked	2.3		Unspecified	No	Inventory/species from 2004 wildlife division inventory. Spots of cladonia/poverty grass. Some choke cherry, and large forest juneberry, and a snag along south border. Aspen/cherry clumps in SE part.
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Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	Low		Non-Wood
Choke Cherry	Trace		
Black Cherry	Low		Pole
Spotted Knapweed	Trace		Non-Wood
Red Maple	Low		Log
Cladonia (Reindeer moss)	Medium		Non-Wood
Poverty Grass	Medium		Non-Wood
St. Johns Wort	Trace		Non-Wood
White Pine	Medium		Log
Bracken Fern	High		Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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98	42290 - Natural Mixed Pine	Poletimber Medium	7.7	30	Immature	N/A	A natural mix species pine stand that has been seeding-in over time out into an old opening along edge of larger mature red pine stips by the road.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	40	Pole/Log	9		White Pine	Medium	Variable	Sapling
Red Pine	20	Pole/Log	9	30	Jack Pine	Low	Variable	Sapling
Jack Pine	40	Pole	7	30	Red Pine	Low	Variable	Sapling

99	3105 - Mixed Upland Herbaceous	Nonstocked	1.1		Unspecified	No	Inventory/species from 2004 wildlife division inspection.
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Sub-Canopy Species	Density	Avg. Height	Size
St. Johns Wort	Low		Non-Wood
Shrubby Cinquefoil	Medium		Tall Shrub
Mixed Grasses	Medium		Non-Wood
Witch Hazel	Low		Tall Shrub
Black Cherry	Low		Pole
Mixed Legumes	Trace		Non-Wood
Spotted Knapweed	Low		Non-Wood
Bigtooth Aspen	Trace	Unspecified	Sapling
Blackberry/Raspberry	Low		Tall Shrub
Bracken Fern	Medium		Non-Wood
Autumn Olive	Low		Tall Shrub
Basswood	Trace		Log

100	3103 - Rubus-Fern	Nonstocked	1.7		Unspecified	No	This is a Logging landing and truck turn-around area used multiple times for adjacent harvesting operations. Will likely be used in the future as well.
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Sub-Canopy Species	Density	Avg. Height	Size
Bracken Fern	Full		Non-Wood
White Pine	Low	Unspecified	Log
Mixed Grasses	Low		Non-Wood
Black Cherry	Low	Unspecified	Log