



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42049

Entry Year 2018

Acreage: 2,618

County Luce

Management Area: Charcoal Grade

Revision Date: 2016-08-25

Stand Examiner: Jason Tokar

Legal Description:

T48N R08W Sections 15, 16, 21, 22, 28, 33

Identified Planning Goals:

The overriding goal is to maintain or improve the forest health, productivity and diversity of the area to promote and enhance timber production, wildlife habitat and recreational opportunities. The newly established Halifax Grouse Enhanced Management Site (GEMS) encompasses the northern portion of the compartment and has a management plan associated with it. Treatments prescribed in the remainder of the compartment will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat. Harvest treatments will be increased in the northern hardwoods and upland mixed types. Upland spruce/fir stands have contingency treatments prescribed to respond to possible Spruce Budworm (SBW) outbreak.

Soil and topography:

The dominant soil types are Auger-Annianias complex (silt loam), Hendrie-Annianias complex (mucky peat/silt loam), and Zandi silt loam. Cover types associated with these heavy soils include aspen, balsam fir and spruce, northern hardwoods and some swamp conifer. Closer to the Tahquamenon River, Carbondale/Lupton/Tawas muck soil is present, supporting mainly swamp conifer and cedar cover types. The topography is mostly level to slightly rolling, with slight topographical changes to the south.

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

The compartment is comprised entirely of State land. State land borders the compartment to the north, south, and a portion of the west side. Various private parcels border the compartment on both the west side and the east along the Tahquamenon River. Also to the east lies Tahquamenon Falls State Park. Development in and around the compartment is low due to the large amount of State land in the vicinity. Several small camps are located around the boundary, particularly along the Tahquamenon River. The main types of land use in the area are hunting, fishing, ORV and snowmobile riding.

Unique Natural Features:

MNFI lists no features within the compartment boundaries. There is the potential for numerous unique plants such as calypso orchid, round-leaved orchid, limestone oak and ram's head lady's slipper. Wood turtle, moose, wolves, eagle, osprey, goshawk, and great blue heron rookery are potential wildlife in the area.

The various branches of the Linton Creek are designated as quality trout waters. Baird Creek also flows through the compartment.

Archeological, Historical, and Cultural Features:

One archaeological site is located within this compartment. Old county and local maps also show a "Camp 6" being located within the compartment.

Special Management Designations or Considerations:

The Halifax Grouse Enhanced Management Site (GEMS) encompasses the northern 1/3 of the compartment.

Fisheries Division has concerns regarding the beaver activity along the branches of the Linton Creek and its affect on the quality of the trout stream(s). All management prescriptions adjacent to these corridors will reflect this consideration, promote conifer corridor.

Visual management will be considered with treatments prescribed along M-123. This section of M-123 is designated by MDOT as a "Heritage Route".

Watershed and Fisheries Considerations:

Fisheries Values: Good

Fisheries Concerns: The Baird and Linton Creek systems are designated trout waters (exception North and Middle

Branches of Linton Creek). These streams are small, but still provide habitat for native Brook Trout. No formal surveys have been conducted on these. The designated trout streams should be buffered 300 feet. The non-designated trout streams should be buffered 100 feet by the standard BMP's. These streams are all subject to heavy beaver activity which can negatively impact Brook Trout populations in these small streams by warming waters and blocking passage.

Wildlife Habitat Considerations:

Compartment 49 lies in the Seney Sand Lake Plain ecological sub-subsection in northern Luce county. The compartment is in the northern portion of the Charcoal Grade Management Area with American marten, black bear, moose, ruffed grouse and spruce grouse as featured species. The northern portion of the compartment is also the southern portion of the Halifax GEM which focuses on short rotation aspen management for grouse and other wildlife species benefit. The compartment is quite diverse with a good component of aspen, hardwood, and mixed swamp conifer and smaller components of cedar, fir, lowland brush, and pine scattered throughout. Species diversity within stands is also generally high in the compartment. Several small creeks and drainages exist in the compartment providing excellent travel corridors for wildlife.

Wildlife objectives will be achieved by the retention of hard and soft mast producing trees, wildlife den and nest trees and snags in harvested stands and the preservation of conifer components in aspen and hardwood stands. Hemlock and yellow birch will be encouraged where they occur. Buffer zones along streams and rivers should be retained to preserve travel corridors and wetland wildlife values and habitats. Wildlife species expected to use this compartment include ruffed grouse, white-tailed deer, black bear, moose, otter, mink, coyotes, gray wolves and fox.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel and end moraines of coarse-textured till. There is insufficient data to determine the glacial drift thickness (<50 feet in the north and >100 feet to the south). The Ordovician Prairie du Chien (PdC) and Cambrian Trempealeau and Munising formations subcrop below the glacial drift. The PdC & Trempealeau could be used for stone. Former gravel pits are located in sections 18 and 20 and potential is good on the uplands. There is no economic oil and gas production in the UP and there is no known metallic mineral potential in this area.

Vehicle Access:

The compartment is approximately 20 miles north of Newberry along M-123. Access to the interior of the compartment is via two main access points; the Halifax Road to the northern portions from M-123, Camp Seven Road and the Charcoal Grade provide access to the southern reaches of the compartment. Baker Trail also runs east and west through the center of the compartment, but is gated by the private property (Halifax Club), limiting access.

Survey Needs:

For management activities to occur, some survey work is needed. The following corners need to be established: W1/16 and SW1/16 of Section 28; Center and N1/16 of Section 33; W1/16 between Sections 28 & 33. Verification of current corner locations in those same sections.

Recreational Facilities and Opportunities:

Recreational facilities include the Halifax Grouse Enhanced Management Site (GEMS), and the groomed snowmobile trail (Trail #45). Other recreational opportunities include hunting, fishing, hiking, and wildlife viewing. A number of camps and cabins are located around the compartment boundary and along the Tahquamenon River.

Fire Protection:

Fires should be small and slow growing because of hardwood and swamp conifer types. Lowland soil types may challenge use of heavy equipment for suppression. Areas of this compartment may lend itself to modified suppression strategies, such as containment and monitoring.

Additional Compartment Information:

Newly created Halifax Grouse Enhanced Management Site (GEMS) within the compartment.

Spruce stands in the compartment have contingency treatments prescribed in case Spruce Budworm outbreak occurs.

Use standard snowmobile trail protection (maintain a snow base, etc) for any operations impacting the snowmobile trail during snowmobile season.

The following reports from the Inventory are attached:

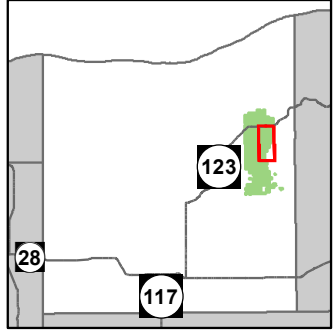
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

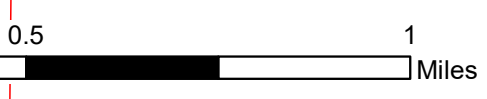
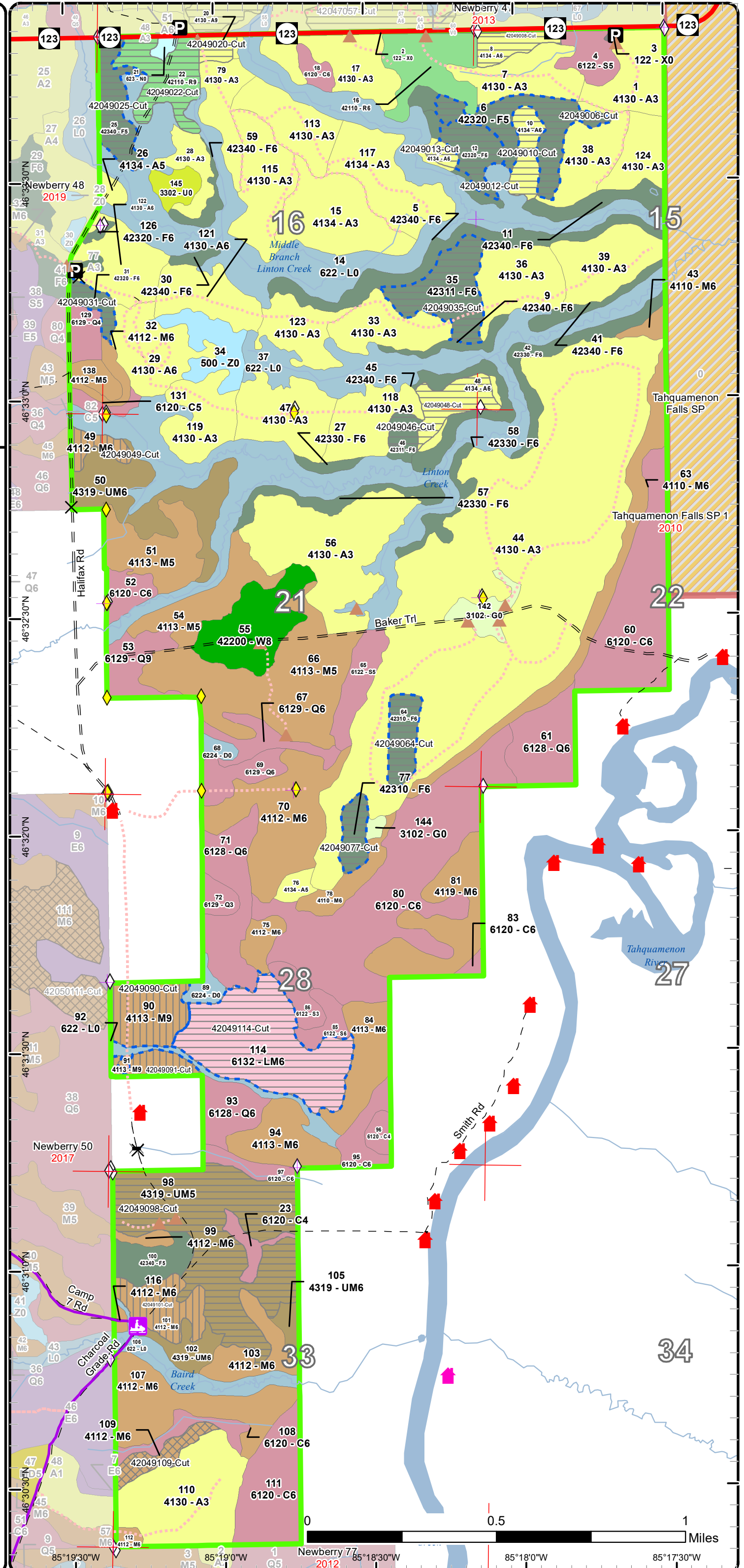
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 49
 T48N R08W Sec.
 15,16,21,22,28,33
 County: Luce
 Unit: Newberry
 Mgmt Area: Charcoal Grade
 YOE: 2018
 Acres: 2,618 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 10/27/2016
 Map Phase: Post-Review



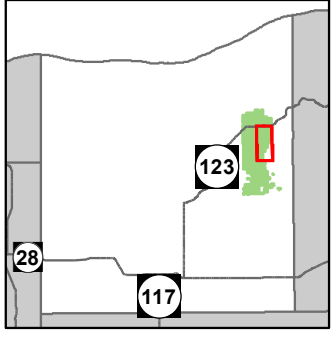
- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- X Gate
- ▲ Berms
- Bridges
- Cabin
- Structures, Seasonal Dwelling
- P Parking Lot
- Snowmobile Trails
- Designated Snowmobile Trails
- Highway
- Paved Roads
- Gravel Roads
- - Poor Dirt Roads
- - Closed Roads
- Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes



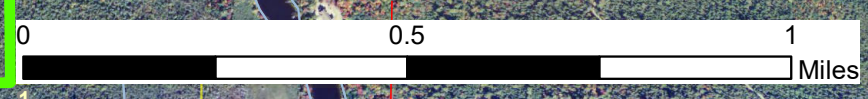
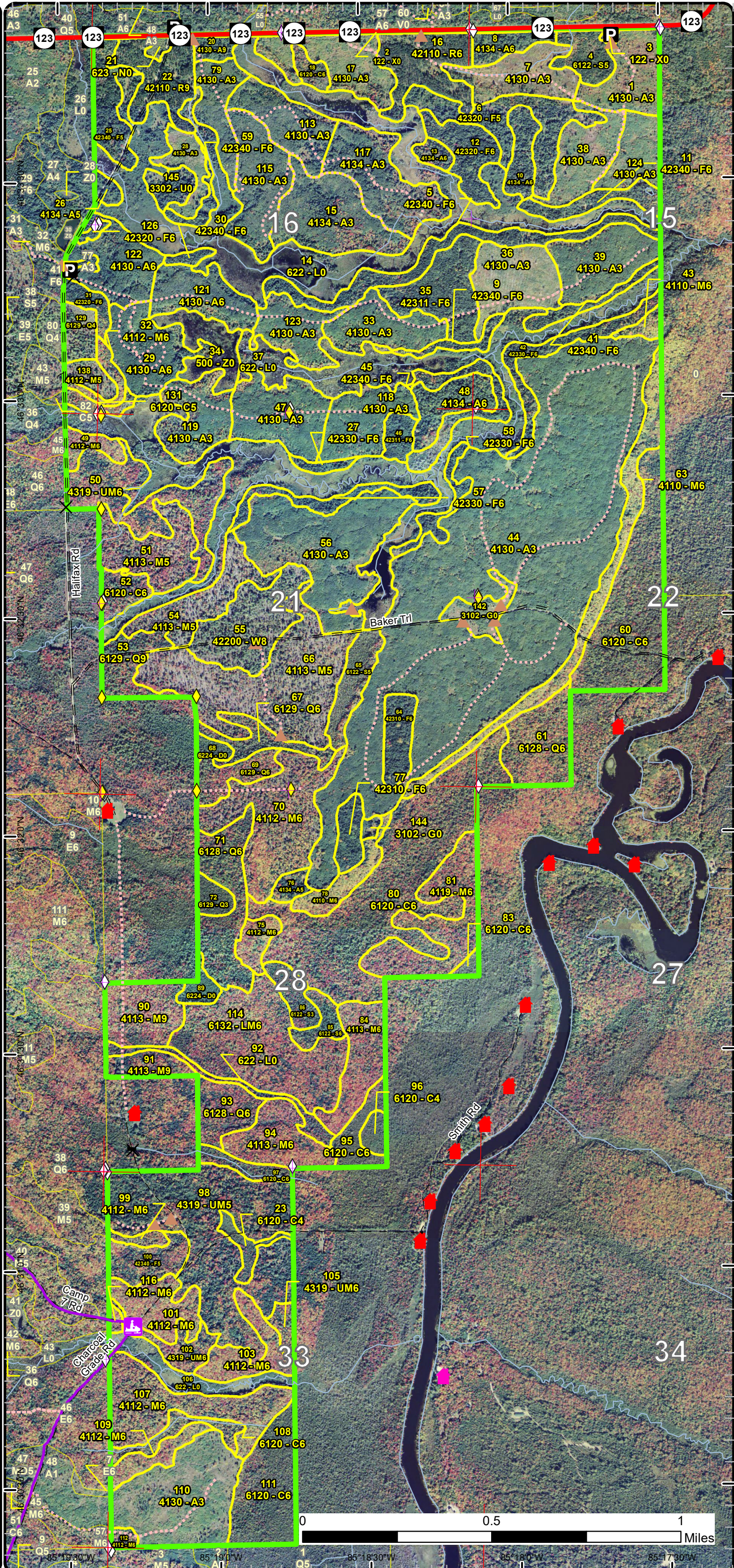
85°19'30"W 85°18'30"W 85°17'30"W

Stand Boundary Map

Compartment: 49
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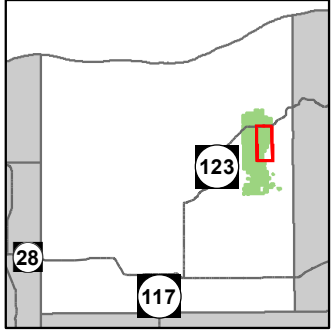


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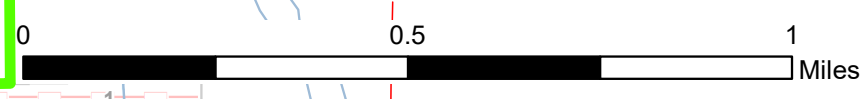
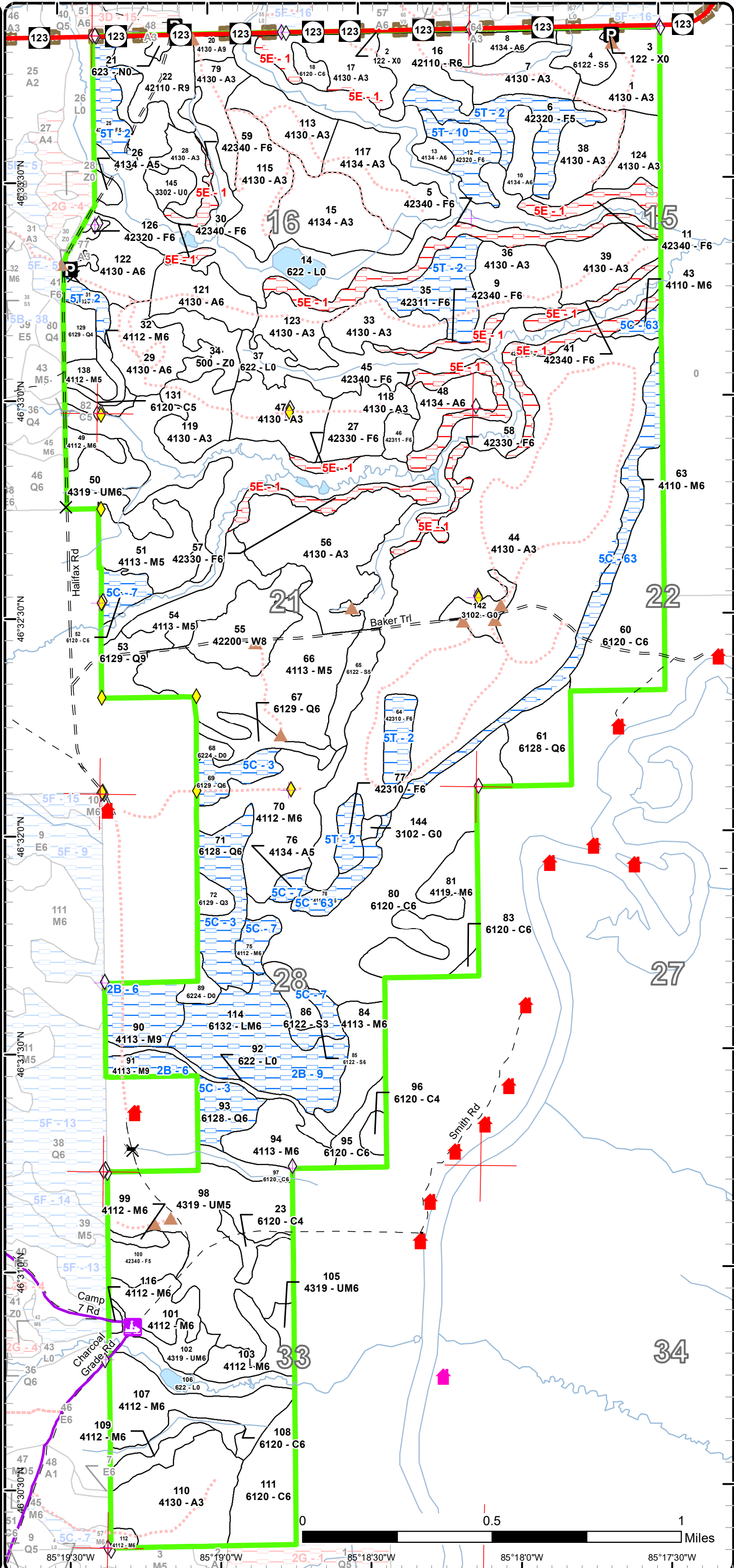


Special Conservation Areas & Site Conditions Map

Compartment: 49
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 15,16,21,22,28,33
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- Paved Roads
- Gravel Roads
- - Poor Dirt Roads
- - Closed Roads
- Rivers
- ▭ Compartment Boundary
- ▭ Available w/ Constraints
- ▭ Unavailable
- 2B: Unknown if access through adjacent landowner(s) is possible
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 5T: Contingency Treatment for Forest Health Concerns
- 5E: Long-Term Retention
- Stand Boundaries
- State Heritage Routes-Scenic (MDOT Designation)
- Cold Water Streams
- ▭ Cold Water Lakes



85°19'30"W 85°19'0"W 85°18'30"W 85°18'0"W 85°17'30"W
 46°33'30"N 46°33'0"N 46°32'30"N 46°32'0"N 46°31'30"N 46°31'0"N 46°30'30"N 46°30'0"N

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	186	500	200	0	0	3	17	29	0	0	0	0	0	0	0	0	0	934
Cedar	0	0	0	0	0	0	0	0	0	37	40	155	8	0	0	0	0	0	240
Herbaceous Openland	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Low-Density Trees	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Conifers	0	0	0	0	0	0	0	5	26	40	0	0	0	0	0	0	0	46	117
Lowland Mixed Forest	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	0	0	59
Lowland Shrub	308	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	308
Lowland Spruce/Fir	0	0	0	0	0	13	11	8	0	7	0	0	0	0	0	0	0	0	38
Marsh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Northern Hardwood	0	0	0	0	0	0	0	0	0	93	40	0	0	0	0	0	0	290	423
Red Pine	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	46
Treed Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Mixed Forest	0	0	0	0	0	88	14	0	0	0	0	0	0	0	0	0	0	36	138
Upland Spruce/Fir	0	0	0	0	0	13	200	22	0	0	0	0	0	0	0	0	0	0	235
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Water	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
White Pine	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	30
Total	359	186	500	200	0	114	228	98	114	177	80	185	8	0	0	0	0	372	2619



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 49

Total Compartment Acres: 2,618

Commercial Harvest - 183
 Harvests with Site Condition - 192
 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	38	0	0	0	0	0	0	0	0	38
Lowland Mixed Forest	59	0	0	0	0	0	0	0	0	59
Northern Hardwood	0	9	0	0	52	0	0	0	0	61
Red Pine	21	0	0	0	0	0	0	0	0	21
Upland Mixed Forest	88	0	0	0	0	0	0	0	0	88
Upland Spruce/Fir	108	0	0	0	0	0	0	0	0	108
Total	314	9	0	0	52	0	0	0	0	375

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	375	0	0	0	0	0	0	0	0	375
Next Step	0	21	21	0	21	0	375	0	0	439
Total	375	21	21	0	21	0	375	0	0	814



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
6	42049006-Cut	25.7	42320 - Upland Spruce	Poletimber Medium	57	51-80	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition: Contingency Treatment								
<u>Prescription</u> Clearcut with retention. Retain only a minor component of spruce/balsam due to SBW concerns. Remove all aspen, maple, birch and cherry.											
<u>Specs:</u> Retain any cedar and hemlock that may be present.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Spruce and balsam with aspen, maple, birch.											
<u>Other Comment:</u> As of 6/27/2016, no sign of Spruce Budworm. If the stand gets hit by SBW, then need to harvest the stand prior to next inventory cycle.											
<u>Proposed Start Date:</u> 10/01/2017											
8	42049008-Cut	8.1	4134 - Aspen, Spruce/Fir	Poletimber Well	68	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Clearcut with retention. Stand is to be harvested in fiscal year 2025 as part of the Halifax Grouse Enhancement Management Site (GEM). Stand retention will be in accordance with the GEM plan.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Aspen with maple, balsam and spruce											
<u>Other Comment:</u> Access should be from the existing road to the south of the stand to avoid a new driveway off M-123.											
<u>Proposed Start Date:</u> 10/01/2024											
10	42049010-Cut	10.0	4134 - Aspen, Spruce/Fir	Poletimber Well	77	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Clearcut with retention. Stand is to be harvested in fiscal year 2025 as part of the Halifax Grouse Enhancement Management Site (GEM). Stand retention will be in accordance with the GEM plan.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Aspen with spruce, balsam, maple, birch.											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2024											
12	42049012-Cut	12.2	42320 - Upland Spruce	Poletimber Well	63	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
Habitat Cut: No			Site Condition: Contingency Treatment								
<u>Prescription</u> Clearcut with retention. Stand is to be harvested in fiscal year 2025 in conjunction with adjacent stand (stand 10 & 13) which are part of the Halifax Grouse Enhancement Management Site (GEM). Retain a minor component of spruce, and all cedar and hemlock if present. Remove all other species. **If stand is hit by spruce budworm (SBW) prior to 10/01/2024, stand is to be harvested immediately.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable Regen:</u> Aspen, spruce and balsam with a component of upland deciduous species.											
<u>Other Comment:</u> Following harvest, stand will be combined with Stand 13 for future management within the GEM management plan.											
<u>Proposed Start Date:</u> 10/01/2024											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
13	42049013-Cut	2.5	4134 - Aspen, Spruce/Fir	Poletimber Well	77	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Stand is to be harvested in fiscal year 2025 as part of the Halifax Grouse Enhancement Management Site (GEM). Stand
Specs: retention will be in accordance with the GEM plan.

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

Acceptable Aspen with maple, spruce and balsam
Regen:

Other
Comment:

Proposed Start Date: 10/01/2024

20	42049020-Cut	3.8	4130 - Aspen	Sawtimber Well	69	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Stand is to be harvested in fiscal year 2020 as part of the Halifax Grouse Enhancement Management Site (GEM). Stand
Specs: retention will be in accordance with the GEM plan.

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

Acceptable Aspen with maple, cherry, balsam and spruce.
Regen:

Other Access road into the stand from M-123 will be closed following harvest due to GEM hunter walking trails through the stand.
Comment:

Proposed Start Date: 10/01/2019

22	42049022-Cut	21.3	42110 - Planted Red Pine	Sawtimber Well	68	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut, no retention. Leave some mature trees in the red line. Stand will be burned, trenched and planted back to red pine. No herbicide
Specs: treatment following planting to increase structural diversity in the stand for mid canopy nesters.

Next Step Burn, Slash; ; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(3yr)
Treatments:

Acceptable Red pine with a minor component of deciduous species
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

25	42049025-Cut	15.8	42340 - Upland Spruce/Fir	Poletimber Medium	57	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Contingency Treatment**

Prescription Clearcut with retention. Due to SBW concerns, retain a minor component of spruce/balsam for grouse in boundary line. Remove all aspen,
Specs: maple, birch and cherry to provide browse for moose. Retain a component of large red pine.

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

Acceptable Spruce and balsam with aspen, maple, white birch and red pine.
Regen:

Other As of 6/27/2016, no sign of Spruce Budworm. If the stand gets hit by SBW, then need to harvest the stand prior to next inventory cycle.
Comment:

Proposed Start Date: 10/01/2017



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
31 42049031-Cut	5.7	42320 - Upland Spruce	Poletimber Well	66	141-170	Harvest	Clearcut	42340 - Upland Spruce/Fir	Even-Aged	Draft Field Boundary

Habitat Cut: No Site Condition: Contingency Treatment

Prescription Clearcut. Small acreage, no retention needed. Due to SBW concerns, retain a minor component of spruce/balsam for grouse in boundary line.

Specs: Remove all aspen, maple, birch and cherry to provide browse for moose.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Spruce and balsam with high aspen component

Regen:

Other Comment: As of 6/27/2016, no sign of Spruce Budworm. If the stand gets hit by SBW, then need to harvest the stand prior to next inventory cycle.

Proposed Start Date: 10/01/2017

35 42049035-Cut	24.9	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	54	141-170	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition: Contingency Treatment

Prescription Clearcut with retention. Retain a minor component of spruce/balsam in the boundary line due to SBW concerns. Remove all aspen, maple,

Specs: birch and cherry. Retain any white pine that may be present.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Spruce and balsam with aspen, maple, cherry and white birch.

Regen:

Other Comment: As of 6/27/2016, no sign of Spruce Budworm. If the stand gets hit by SBW, then need to harvest the stand prior to next inventory cycle. Manage to maintain a conifer component.

Proposed Start Date: 10/01/2017

46 42049046-Cut	4.5	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	53	111-140	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition:

Prescription Clearcut with retention. Stand is to be harvested in fiscal year 2020 in conjunction with adjacent stand (stand 48) which is part of the Halifax

Specs: Grouse Enhancement Management Site (GEM). Retain a minor component of spruce. Remove all other species. South Branch of Linton Creek is a high quality trout stream. Continue to incorporate existing stream buffer practices (to promote conifer corridor) when harvesting stands adjacent to the creek.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Upland spruce and balsam with aspen, maple and birch.

Regen:

Other Comment: Small acreage spruce stand. Should be managed when adjacent stand (Stand 48) is managed as part of GEM plan. Harvest also due to SBW concerns.

Proposed Start Date: 10/01/2019

48 42049048-Cut	13.1	4134 - Aspen, Spruce/Fir	Poletimber Well	79	111-140	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No Site Condition:

Prescription Clearcut with retention. Stand is to be harvested in fiscal year 2020 as part of the Halifax Grouse Enhancement Management Site (GEM). Stand

Specs: retention will be in accordance with the GEM plan. South Branch of Linton Creek is a high quality trout stream. Continue to incorporate existing stream buffer practices (to promote conifer corridor) when harvesting stands adjacent to the creek.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Aspen with maple, white birch, cherry, balsam and spruce

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
49	42049049-Cut	6.1	4112 - Maple, Beech, Cherry Association	Poletimber Well	96	111- 140	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Shelterwood with retention. Reduce BA to 40-50. Remove large diameter low quality red maple. Leave hemlock and a few large white pine for bear refuge trees and moose cover.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Northern hardwoods with a conifer component.

Regen:

Other Hold stand until FY 2020, to be included with other stands in the vicinity as one sale.

Comment:

Proposed Start Date: 10/01/2019

64	42049064-Cut	11.2	42310 - Planted Spruce	Poletimber Well	53	111- 140	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Contingency Treatment**

Prescription Clearcut. Small acreage, narrow stand. No retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Spruce and balsam with aspen, maple, cherry and birch.

Regen:

Other As of 6/27/2016, no sign of Spruce Budworm. If the stand gets hit by SBW, then need to harvest the stand prior to next inventory cycle.

Comment:

Proposed Start Date: 10/01/2017

77	42049077-Cut	8.0	42310 - Planted Spruce	Poletimber Well	53	111- 140	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Contingency Treatment**

Prescription Clearcut. Small acreage, narrow stand. No retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Spruce and balsam with aspen, maple, cherry and birch.

Regen:

Other As of 6/27/2016, no sign of Spruce Budworm. If the stand gets hit by SBW, then need to harvest the stand prior to next inventory cycle.

Comment:

Proposed Start Date: 10/01/2017

90	42049090-Cut	21.1	4113 - R.Maple, Conifer	Sawtimber Well	91	111- 140	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Two-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Unknown Access**

Prescription Shelterwood with retention. Residual BA of 40-50. Best quality to retain is in 8-9 in red maple. Remove large diameter, low quality and over

Specs: mature red maple. Remove merchantable balsam and spruce. Retain large diameter white pine for bear, and a component of yellow birch.

Retain a component of cedar along stand edges, remove cedar in interior of the stand. Retain hemlock for moose cover.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Northern hardwoods with an upland conifer component.

Regen:

Other Access is possible from the west through State land. Private land (camps) to the north and south of the stand.

Comment:

Proposed Start Date: 10/01/2017



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
91 42049091-Cut	7.7	4113 - R.Maple, Conifer	Sawtimber Well	91	111-140	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition: Unknown Access**

Prescription Shelterwood with retention. Residual BA of 40-50. Best quality to retain is in 8-9 in red maple. Remove large diameter, low quality and over
Specs: mature red maple. Remove merchantable balsam and spruce. Retain large diameter white pine for bear refuge trees, and a component of yellow birch. Retain a component of cedar along stand edges, remove cedar in interior of the stand. Retain hemlock for moose.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Northern hardwoods with an upland conifer component

Regen:

Other Access from north will require a culvert installation. Access from the south is through private property (hunting camp).

Comment:

Proposed Start Date: 10/01/2017

98 42049098-Cut	87.8	4319 - Mixed Upland Forest	Poletimber Medium	43	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Clearcut with retention. Remove mature aspen and maple. Remove any mature/merchantable spruce and balsam and cedar. Retain large
Specs: diameter white pine (18 inch and up). Retain all hemlock for moose. Retention not to exceed 3% of stand acreage. Concentrate retention pockets in areas with less balsam and spruce (SBW concerns).

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mixture of all species present in the stand currently.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

101 42049101-Cut	17.5	4112 - Maple, Beech, Cherry Association	Poletimber Well	91	111-140	Harvest	Shelterwood with Retention	4113 - R.Maple, Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Shelterwood with retention. Reduce BA to 30-40 to regenerate moose browse.. Retain all large diameter white spruce and white pine for bear.
Specs: Retain all hemlock for moose. Residual maple should be in the 8-9 inch classes (best quality). Remove all maple with dead tops and over-mature maple. Remove any merchantable balsam.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Red maple with mixed conifers and aspen

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

109 42049109-Cut	8.6	4112 - Maple, Beech, Cherry Association	Poletimber Well	81	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Selection harvest. Residual BA of 70-80. Retain a component of all species present in the stand to maximize diversity in future stand for marten.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Northern hardwoods with a conifer component.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
114	42049114-Cut	59.2	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	79	81-110	Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition: Unknown Access**

Prescription Clearcut with retention. Retention to be in patches due to soil types. Keep more than the minimum retention for future coarse woody debris for marten. Retain conifer within the stream buffer. Access is questionable and most likely from the west through adjacent compartment. Private land (hunting camps) to the north and south.

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

Acceptable A mixture of all species currently within the stand.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

**Total Treatment
Acreage Proposed: 374.8**

Report 4 – Site Conditions

Newberry Mgt. Unit
Jason Tokar : Examiner

Compartment: 49
Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		2B	5C	5F	5T	5E
934	924	6	4	Aspen		6			4
240	232	8	0	Cedar		8			
11	11	0	0	Herbaceous Openland					
7	7	0	0	Low-Density Trees					
117	63	54	0	Lowland Conifers		54			
59	0	59	0	Lowland Mixed Forest	59				
308	308	0	0	Lowland Shrub					
39	32	7	0	Lowland Spruce/Fir		7			
2	2	0	0	Marsh					
422	342	80	0	Northern Hardwood	29	52			
46	46	0	0	Red Pine					
8	8	0	0	Treed Bog	0				
138	92	45	0	Upland Mixed Forest			45		
235	22	110	103	Upland Spruce/Fir			0	110	103
7	7	0	0	Urban					
16	16	0	0	Water					
30	30	0	0	White Pine					
2,618	2,142	370	107	Total Forested Acres	88	126	45	110	107
	82%	14%	4%	Relative Percent					

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	107	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Conifer (balsam and spruce) corridor along the branches of the Linton Creek. Retained per request of Fisheries Division.							
2	Available	5T: Contingency Treatment for Forest Health Concerns	94	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stands are to be held for 10 years for diversity reasons unless they are hit by Spruce Budworm (SBW). If SBW infects the stands, they are to be harvested.							

Report 4 – Site Conditions

Newberry Mgt. Unit
Jason Tokar : Examiner

Compartment: 49
Year of Entry: 2018

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	54	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5F: Evaluated for Forest Health Considerations	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW.							
5	Available	5F: Evaluated for Forest Health Considerations	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW.							
6	Available	2B: Unknown if access through adjacent landowner(s) is possible	29	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	2B: Unknown if access through adjacent landowner(s) is possible	59	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Jason Tokar : Examiner

Compartment: 49
Year of Entry: 2018

10	Available	5T: Contingency Treatment for Forest Health Concerns	16	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Stand is to be held until FY 2025 for harvest as part of the Halifax GEM plan with adjacent stands unless it is hit by Spruce Budworm (SBW). If SBW infects the stand prior to 10/01/2024, it is to be harvested immediately.</p>							
63	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	46	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							

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



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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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	Visual Management Area	An area of general social appreciation that is managed to recognize and preserve a particular visual value. Examples of these areas include scenic vistas, scenic or natural beauty roads, and lakeshore areas.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Sapling Well	21.3	5	Immature	Ole notes: Stand has a lot of variability. Shorter tree heights in the northern portion, taller and larger diameters further south in the stand. Pockets with more spruce mixed in. Lower ground throughout. Pockets of younger aspen. Mature aspen is showing signs of rot and decline. Stand borders TFSP on the east side. Stand is mature. Possibly leave a buffer of conifer around the TFSP sign on M-123 for visual concerns. Auger-Annannias silt loam. **1995 notes - "old burning filling in to aspen, spruce and fir type".2016: Stand harvested as sale #42-029-08-01(Park Boundary Aspen). Completed 05/17/12. Nice thick aspen regeneration, 10-20 ft tall, with components of maple, cherry white birch. A few residual maple and birch scattered. Road is blocked nicely on north end. Road system through stands 1, 7, 38 and 124 is open and could be maintained as walking trail as part of the GEMS management.
4	6122 - Black Spruce	Poletimber Medium	10.5	59	51-80	Small diameter, younger black spruce stand. Low ground. More of an S4 near the highway. Open area in middle of the stand
5	42340 - Upland Spruce/Fir	Poletimber Well	24.4	57	111-140	Spruce and balsam "buffer" between the recent aspen cuts and the branches of the Linton Creek complex. Mainly balsam and white spruce with some aspen. Leave these stands with no treatment period due to Fish Division's concerns with beaver activity on the Linton Creek system (trout waters). This will give the conifer corridor that Fish Division wants along these trout waters. White spruce planted in 1963 accounts for a portion of the stand. Zandi silt loam soil.
6	42320 - Upland Spruce	Poletimber Medium	28.3	57	51-80	Open stand, younger spruce, multiple ages of aspen. Young balsam. Much of the stand is lower ground. Low, open pockets with tag alder and willow. Hold stand for 10 years for diversity unless SBW moves in....then harvest immediately.
7	4130 - Aspen	Sapling Well	21.7	5	Immature	Ole notes: Stand has a lot of variability. Shorter tree heights in the northern portion, taller and larger diameters further south in the stand. Pockets with more spruce mixed in. Lower ground throughout. Pockets of younger aspen. Mature aspen is showing signs of rot and decline. Stand borders TFSP on the east side. Stand is mature. Possibly leave a buffer of conifer around the TFSP sign on M-123 for visual concerns. Auger-Annannias silt loam. **1995 notes - "old burning filling in to aspen, spruce and fir type". 2016: Stand harvested as sale #42-029-08-01(Park Boundary Aspen). Completed 05/17/12. Nice thick aspen regeneration, 10-20 ft tall, with components of maple, cherry white birch. A few residual maple and birch scattered. Road is blocked nicely on north end.
8	4134 - Aspen, Spruce/Fir	Poletimber Well	8.1	68	81-110	Mature stand of aspen along M-123. A9 stand, averaging 12 inch dbh. Diameters range from 10 inches up to 16 inches or larger. Decline in the larger aspen, showing signs of rot/mortality. Semi open stand. High ground, good site index. Open understory. Stand was held as a buffer when stand 7 was harvested.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
9	42340 - Upland Spruce/Fir	Poletimber Well	5.2	54	111-140	Spruce and balsam "buffer" between the recent aspen cuts and the branches of the Linton Creek complex. Mainly balsam and white spruce with some aspen. Leave these stands with no treatment period due to Fish Division's concerns with beaver activity on the Linton Creek system (trout waters). This will give the conifer corridor that Fish Division wants along these trout waters. Zandi silt loam soil.
10	4134 - Aspen, Spruce/Fir	Poletimber Well	10.0	77	81-110	Stand has a lot of variability. A spruce component. Pockets of lower ground. Pockets of younger aspen. Mature aspen is showing signs of rot and decline. Stand is mature. Stand scheduled for harvest in 2025 with stands 12 & 13 are part of the Halifax GEM plan. Auger-Annianias silt loam.
11	42340 - Upland Spruce/Fir	Poletimber Well	10.6	57	141-170	Spruce and balsam "buffer" between the recent aspen cuts and the branches of the Linton Creek complex. Mainly balsam and white spruce with some aspen. Leave these stands with no treatment period due to Fish Division's concerns with beaver activity on the Linton Creek system (trout waters). This will give the conifer corridor that Fish Division wants along these trout waters. Zandi silt loam soil.
12	42320 - Upland Spruce	Poletimber Well	15.8	63	81-110	Originally part of stand 6 (last YOE). Separated as another stand due to higher BA and slightly higher ground. Mainly spruce and balsam, NE portion of the stand has some red pine and jack pine mixed in. Stand is healthy.
13	4134 - Aspen, Spruce/Fir	Poletimber Well	3.9	77	81-110	Small stand of mature aspen over spruce. Open in areas - east side. Surrounded by stand 12 - spruce stand. Actual stand line is tough to delineate. Auger-Annianias silt loam soil.
15	4134 - Aspen, Spruce/Fir	Sapling Well	34.1	23	Immature	Stand cut as sales #015-92-01 "Center Section Aspen" and #016-93-01 "Windy Aspen". Cut throughout the years of 1993-1995. South third of the stand completed in 1994. The remainder of the harvest was done by June 1995. Nice aspen regeneration 35+ ft tall, thick in most areas. Stand is beginning to transition from a sapling stand to a pole stand. Approximately 20-30 BA in the pole size class. Auger-Annianias silt loam soil.
16	42110 - Planted Red Pine	Poletimber Well	24.7	66	111-140	Stand harvested as sale #42-048-08-01 (Ed's Last Red Pine). Completed 05/13/12. Stand was treated via a thinning. Aspen was removed from the stand. Nice tall red pine plantation along M-123.. BA still pretty high throughout. Stand ranges from an R6 to an R9 throughout the stand. Aspen regeneration throughout most of stand now, some maple regeneration as well. Hold the stand for 10 years and then possibly final harvest. Zandi silt loam soil.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	4130 - Aspen	Sapling Well	25.1	5	Immature	<p>Old notes: Mature aspen, mainly high ground with some low pockets. Clumps of cedar. Scattered red maple. Scattered white pine. Some large diameter aspen (14 inches). Leave cedar clumps and white pine (visuals along M-123). Auger-Annianias silt loam soil.</p> <p>Stand harvested as sale #42-029-08-01 (Park Boundary Aspen). Completed 05/17/12. Stand now encompasses both of old stands 17 & 19. Good thick regeneration, primarily quaking aspen 10-20 ft tall. Component of red maple (stump sprouts) up to 10 ft tall. A few scattered residual maple and small clumps of cedar. Retention was left on southern stand edge along Linton Creek Corridor.</p>
18	6120 - Lowland Cedar	Poletimber Well	4.5	83	81-110	Lowland conifer stand of mainly cedar with component of spruce and some aspen. Understory of tag alder and red maple. Some black ash in northern part of the stand.
20	4130 - Aspen	Sawtimber Well	4.4	69	81-110	Mature, large diameter aspen stand along M-123 with a component of large spruce. Open areas with thicker maple and cherry understory. Small acreage. Good site index. Auger-Annianias silt loam soil.
22	42110 - Planted Red Pine	Sawtimber Well	21.3	68	111-140	<p>Red pine plantation at M-123 and the Halifax Road. Tall, good quality red pine. Stand was thinned in 2001 as "Halifax Red Pine" timber sale. Thinned a second time as sale #42-048-08-01 (Ed's Last Red Pine). Completed 05/13/12. Some small 1-2 ft red pine regen within the old skid trails. Stand is now averaging 14-15 inch dbh, ranging from 12 inch up to 18-20 inch. Scattered white pine and white spruce, mainly along edges. Auger-Annianias silt loam soil.</p> <p>Stand harvested as</p>
23	6120 - Lowland Cedar	Poletimber Poor	5.7	88	1-50	Northern half of the stand is more of an "L" type, lowland brush.
25	42340 - Upland Spruce/Fir	Poletimber Medium	15.8	57	81-110	Semi open stand of aspen, spruce and balsam along M-123. Open areas with thicker clumps. Wetter ground in the northern portions near the highway. Southern 2/3 of the stand is more spruce and balsam. Scattered pockets of large dbh red pine. Auger-Annianias silt loam soil.
26	4134 - Aspen, Spruce/Fir	Poletimber Medium	3.1	57	51-80	Semi open stand of aspen, spruce and balsam. Open areas with thicker clumps. Small acreage stand along Halifax Road. Pocket of mature aspen near the road. Manage stand when we manage the adjacent stand to the west (Comp 48, Stand 27). Auger-Annianias silt loam soil.
27	42330 - Upland Fir	Poletimber Well	2.9	57	Unspecified	
28	4130 - Aspen	Sapling Well	10.1	5	Immature	<p>Old Notes: Mature aspen over balsam and spruce. Good diameters in the aspen. Some mortality showing in the aspen. Rolling topography. Stand surrounds a "G" type. Auger-Annianias silt loam soil.</p> <p>Stand harvested as sale #42-023-08-01, "Otter Slide Aspen". Closed 02/27/13. Payment Unit 3 was not harvested. Good aspen regeneration, 10+ ft tall. Component of red maple and some cherry. A few scattered residual trees.</p>



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	4130 - Aspen	Poletimber Well	25.1	24	Immature	Sale #014-92-01 "Walleye Pond Aspen". Nice aspen regeneration, 40+ ft tall. Thick throughout the stand. Stand has begun to transition to a pole size stand. 50-60 BA of aspen is pole size. Nice, young aspen stand. Roughly a 2 chain wide strip along stand 34 is void of aspen regen anymore due to beaver activity. That area is mainly red maple and spruce (M2). Eastern "finger" of the stand is mainly balsam and spruce. Auger-Annianias silt loam soil.
30	42340 - Upland Spruce/Fir	Poletimber Well	2.4	54	111-140	
31	42320 - Upland Spruce	Poletimber Well	5.7	66	141-170	Young black spruce, with balsam and aspen scattered throughout. Some red maple. More cedar and hemlock mixed in the southern portion. Some blowdown in the black spruce. Aspen appears to be fairly healthy still.
32	4112 - Maple, Beech, Cherry Association	Poletimber Well	5.1	91	51-80	Red maple stand. Lots of lower ground. Hummocky in spots. Good hemlock regen in the eastern edge. Lots of lower areas with depressions of water during the spring - extremely saturated soils. Maple is forked, stained, twisted; necrotia present. Occasional paper birch. Aspen pocket along road. Some W. spruce and cedar. Scattered white pine. Areas of higher ground with better quality, some sugar maple. Auger-Annianias silt loam soil.
33	4130 - Aspen	Sapling Well	20.8	15	Immature	Sale #009-98-01 "Linton Creek Aspen" - Unit 1. Cut in the winter of 2002 (Feb and March). Nice aspen regeneration, not much of a conifer component. Scattered small diameter red maple, spruce and white pine residual. Old notes stated "not very uniform density" - prior to harvest. Edges of road through stand is lined with black berry bushes. Auger-Annianias silt loam soil.
35	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	24.9	54	141-170	White spruce planted in 1963. North/south rows. Some aspen throughout in the overstory. Good component of aspen, some of which is dying out, some is healthy still. Very thick spruce throughout most of the stand. Planted spruce is doing well in this stand. Average BA throughout is 150-180, mainly spruce. Manage for the spruce. Check in 10-20 years. Auger-Annianias silt loam soil.
36	4130 - Aspen	Sapling Well	24.9	5	Immature	Stand harvested as sale #42-023-08-01, "Otter Slide Aspen". Closed 02/27/13. Payment Unit 3 was not harvested. Nice thick aspen regeneration coming in, 10-15 ft tall. Old notes state: Open grown, limby aspen in open areas. The middle of the stand has more of a spruce understory. White spruce was planted in the 1960's in the stand but did not take as well as in stand 35. Fish Division comments - Stand delineation and prescriptions of spruce and aspen stands near Linton Creek can provide a really good "research" area to assess harvests and buffers on beaver populations. Hendrie-Annianias soil complex.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
38	4130 - Aspen	Sapling Well	20.8	5	Immature	Ole notes: Stand has a lot of variability. Shorter tree heights in the northern portion, taller and larger diameters further south in the stand. Pockets with more spruce mixed in. Lower ground throughout. Pockets of younger aspen. Mature aspen is showing signs of rot and decline. Stand borders TFSP on the east side. Stand is mature. Possibly leave a buffer of conifer around the TFSP sign on M-123 for visual concerns. Auger-Annannias silt loam. **1995 notes - "old burning filling in to aspen, spruce and fir type". 2016: Stand harvested as sale #42-029-08-01(Park Boundary Aspen). Completed 05/17/12. Nice thick aspen regeneration, 10-20 ft tall, with components of maple, cherry white birch. A few residual maple and birch scattered. Road is blocked nicely on north end.
39	4130 - Aspen	Sapling Well	25.6	15	Immature	Linton Creek Aspen timber sale, #009-98-01. Unit 3. Completed 11/05/2002. Good thick regeneration of aspen. Mainly quaking with some big tooth aspen. 35-40 ft tall on average. Not much of a conifer component to the stand. Auger-Annannias silt loam soil.
41	42340 - Upland Spruce/Fir	Poletimber Well	6.6	57	141-170	Spruce and balsam "buffer" between the recent aspen cuts and the branches of the Linton Creek complex. Mainly balsam and white spruce with some aspen. Leave these stands with no treatment period due to Fish Division's concerns with beaver activity on the Linton Creek system (trout waters). This will give the conifer corridor that Fish Division wants along these trout waters. Zandi silt loam soil.
42	42330 - Upland Fir	Poletimber Well	14.7	59	111-140	Balsam and spruce along the edges of the Linton Creek corridors. Variety of basal areas and diameters. Thick conifer stand. Maintain as a buffer along the Linton Creek due to the concerns of Fish Division dealing with beaver activity on this water system (trout waters). Zandi silt loam.
43	4110 - Sugar Maple Association	Poletimber Well	3.6	91	111-140	Stand is a narrow hardwood stand between the young aspen and the cedar swamp. Primarily all on a slope, but operable. Mainly pole size hard maple with some small sawtimber. Zandi silt loam soil.
44	4130 - Aspen	Sapling Well	305.5	15	Immature	"Halifax Aspen" #010-98-01. Completed 7/25/2002. Cut mainly in the winter of 2001-2002. Nice aspen regeneration 15-20 ft tall average. Fairly thick. Some open areas. Roads built for the sale are blocked with stumps. Roads are not regenerating very well. Auger-Annannias silt loam.
45	42340 - Upland Spruce/Fir	Poletimber Well	13.1	59	111-140	Balsam and spruce along the edges of the Linton Creek corridors. Variety of basal areas and diameters. Thick conifer stand. Maintain as a buffer along the Linton Creek due to the concerns of Fish Division dealing with beaver activity on this water system (trout waters). Zandi silt loam.
46	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	5.9	53	111-140	White spruce, planted in 1964. Rows of young spruce under some mature aspen. Middle of the stand has more aspen within it. Aspen is mature and showing signs of decline. Auger-Annannias silt loam soil.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
47	4130 - Aspen	Sapling Well	27.8	15	Immature	Sale #009-98-01, "Linton Creek Aspen" - Unit 2. Cut in Feb and March of 2002. Nice quaking aspen with some big tooth, 30+ ft tall regeneration. Spruce and balsam - scattered. Edges along beaver ponds and creeks have substantial beaver damage to aspen. Maple stump sprouting in those areas. Old notes state - "old burning filling in with aspen, spruce and balsam."
48	4134 - Aspen, Spruce/Fir	Poletimber Well	14.9	79	111-140	Mature to overmature, large diameter aspen over balsam and some spruce. Spruce was planted in 1963. Very east end is more open grown. 1996 OI notes -east end was a separate stand - "patches scattered through an old burning". Stand has very tall, old aspen showing some rot and decline. Good balsam and spruce component (merchantable) under the aspen. Auger-Annianias silt loam soil. 2016: Stand set up as Payment Unit 3 of sale #42-023-08-01, "Otter Slide Aspen". Closed 02/27/13. Payment Unit 3 was not harvested. Stand is mature aspen, declining lots or rot. Good balsam and spruce component.
49	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.1	96	111-140	Large diameter red maple stand, lower quality. Much of the larger diameter red maple is pulpwood quality. Slight ridge/high ground on south edge of lowland brush type. Scattered white pine. Auger-Annianias silt loam soil.
50	4319 - Mixed Upland Forest	Poletimber Well	36.3	91	81-110	Maple, hemlock, cedar, yellow birch, some white birch, and spruce. Lower quality stand. Some large diameter red maple. Low ground areas throughout. Parts of the stand are more of a Q6. Pockets of smaller diameter balsam and spruce. Lots of variability to the stand. Hendrie-Annianias soil complex.
51	4113 - R.Maple, Conifer	Poletimber Medium	25.6	86	51-80	Cut in 2014 as part of Halifax Mix (#43-09). Red maple stand with hemlock, and spruce. Scattered cedar and white pine. Pockets of good quality and areas of lower quality, small diameters. Some low ground pockets. Thick balsam understory in most of the stand. One drainage running east and west through the stand. Eastern portion of the stand has better quality in the red maple. Areas of lower quality reduced to 50-60 BA; areas of better quality red maple reduced to 70 sq. ft. White pine and hemlock left as residual. Management objective of northern hardwoods with a conifer component. Red maple stump sprouts starting to establish.
52	6120 - Lowland Cedar	Poletimber Well	8.4	92	111-140	Mixed conifer stand, mostly cedar. Low ground. Drainage through the stand. Leave for 10-20 years due to the private land adjacent to the west being cut as well as the recent harvest adjacent to the east (Halifax Mix).
53	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	14.4	82	171-200	Mixed lowland conifer stand bordering on the private land to the west. Private land was harvested recently (clearcut). Stand is a mix of various species. Cedar, black spruce, red maple, and large diameter white pine. Good stand to hold for 10 years for diversity. Recent adjacent harvest to the east.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
54	4113 - R.Maple, Conifer	Poletimber Medium	21.8	88	51-80	<p>Cut in 2012 as part of Halifax Mix (#43-09). All hwd <8" and >12" dbh were cut. No yellow birch, cedar, white pine or hemlock were cut. Also one large hwd >14" left per 80'.</p> <p>Red maple with hemlock, cedar and white pine. Fair quality red maple with some areas of lower quality. Areas also of much better quality on slightly higher ground. Pockets of cedar, pockets of hemlock. Individual large white pine and white spruce. Management objective of northern hardwoods with a conifer component.</p> <p>Regen 2016: Fully stocked with red maple seedlings and sprouts. Fair amount of white pine seedlings and balsam. Some spruce.</p> <p>Comments from old stand 66 (southern portion of Stand): Stand was harvested in 2014 as part of Halifax Mix (#43-09). Cut hwd <8" and >12" dbh; left all hemlock, white pine, cedar and yellow birch, plus one hwd >14" per 80'. Residual BA = 67 (M-36, H-15, C-10, YB-5, with traces of white pine and softwood). Pockets of cedar, pockets of hemlock.</p> <p>Regen 2016: Fully stocked with red maple seedlings and sprouts. Some white pine seedlings, not as dense as northern stands. Residual BA ranges from 30-60.</p>
55	42200 - Natural White Pine	Sawtimber Medium	30.2	109	51-80	<p>Cut in 2014 as part of Halifax Mix (#43-09). Residual BA: WP-21, C-17, H-8, YB-6. Average residual BA = 51. White pine residual with cedar, hemlock and yellow birch. Management objective of white pine. Alternative management objective of white pine with mixed conifers.</p> <p>Large diameter, tall white pine with component of hemlock and cedar and a few yellow birch. Good maple regeneration coming in (stump sprouts) with some white pine regeneration as well. Also, balsam and some hemlock saplings.</p> <p>Regen 2016: Fully stocked with red maple seedlings and sprouts and white pine seedlings. High residual basal area of white pine. Some pockets of balsam.</p>
56	4130 - Aspen	Sapling Well	59.2	15	Immature	<p>Stand was cut as "Halifax Aspen" - Unit 4, (010-98-01). Cut complete 7/25/2002. Cut during winter of 2001-2002. Nice aspen regeneration, patchy in spots. 30+ ft tall on average. Scattered white birch and maple regeneration. Abandoned road through the stand is bermed but being used by illegal ORV activity. Hendrie-Annianias soil complex.</p>
57	42330 - Upland Fir	Poletimber Well	11.1	59	111-140	<p>Balsam and spruce along the edges of the Linton Creek corridors. Variety of basal areas and diameters. Thick conifer stand. Maintain as a buffer along the Linton Creek due to the concerns of Fish Division dealing with beaver activity on this water system (trout waters). Zandi silt loam.</p>
58	42330 - Upland Fir	Poletimber Well	7.5	59	111-140	<p>Balsam and spruce along the edges of the Linton Creek corridors. Variety of basal areas and diameters. Thick conifer stand. Maintain as a buffer along the Linton Creek due to the concerns of Fish Division dealing with beaver activity on this water system (trout waters). Zandi silt loam.</p>



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
59	42340 - Upland Spruce/Fir	Poletimber Well	4.3	57	111-140	Spruce and balsam "buffer" between the recent aspen cuts and the branches of the Linton Creek complex. Mainly balsam and white spruce with some aspen. Leave these stands with no treatment period due to Fish Division's concerns with beaver activity on the Linton Creek system (trout waters). This will give the conifer corridor that Fish Division wants along these trout waters. Zandi silt loam soil.
60	6120 - Lowland Cedar	Poletimber Well	54.1	104	81-110	Mixed stand, mainly cedar with pockets of a Q type. Fair amount of yellow birch, white birch and maple. Pockets of maple, yellow birch and white birch. Open in areas, very wet. Carbondale, Lupton and Tawas muck soil.
61	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	23.8	151	111-140	Hemlock with black spruce and large diameter white pine. Mix of red maple and yellow birch. Some overmature hardwoods. Lots of small diameter spruce and maple.
63	4110 - Sugar Maple Association	Poletimber Well	31.2	91	111-140	Stand is a narrow hardwood stand between the young aspen and the cedar swamp. Primarily all on a slope, but operable. Mainly pole size hard maple with some small sawtimber. Zandi silt loam soil.
64	42310 - Planted Spruce	Poletimber Well	11.2	53	111-140	White spruce planted in 1964. Nice thick stand of spruce with some mature aspen within the middle of the larger young aspen stand. Good diversity. Manage the stand for the spruce. Auger-Annianis silt loam soil.
65	6122 - Black Spruce	Poletimber Medium	13.2	47	1-50	Bog type ground. Small diameter, low quality black spruce. Low BA. Scattered tamarack and low quality white pine.
66	4113 - R.Maple, Conifer	Poletimber Medium	67.8	86	51-80	Stand was harvested in 2014 as part of Halifax Mix (#43-09). Cut hwd <8" and >12" dbh; left all hemlock, white pine, cedar and yellow birch, plus one hwd >14" per 80'. Residual BA = 67 (M-36, H-15, C-10, YB-5, with traces of white pine and softwood). Pockets of cedar, pockets of hemlock. Regen 2016: Fully stocked with red maple seedlings and sprouts. Some white pine seedlings, not as dense as northern stands. Residual BA ranges from 30-60.
67	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	11.2	76	51-80	Swale between two hardwood stands. Spruce, hemlock, cedar, maple and some white pine.
69	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	11.4	82	171-200	Mixed lowland conifer stand. Stand is a mix of various species.
70	4112 - Maple, Beech, Cherry Association	Poletimber Well	45.9	88	51-80	Cut in 2014 as part of Halifax Mix (#43-09). Access for the harvest was from the north through stand 66. Good maple in the understory, both from before the harvest and also sprouts as a result of the harvest. Pretty good quality red maple with some hard maple. East end - quality decreases. Middle of the stand is the best quality. Scattered yellow birch, some large dbh white spruce.
71	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	28.4	82	171-200	Mixed lowland conifer stand bordering on the private land to the west. Private land was harvested recently (clearcut). Stand is a mix of various species. Good stand to hold for 10 years with the adjacent harvesting.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
72	6129 - Mixed Coniferous Lowland Forest	Sapling Well	5.2	69	Unspecified	
75	4112 - Maple, Beech, Cherry Association	Poletimber Well	7.2	91	111-140	Small stand of hardwoods just south of the large aspen harvest (stand 44). Mainly pole size red maple with some small sawtimber. Auger-Annianias silt loam soil.
76	4134 - Aspen, Spruce/Fir	Poletimber Medium	4.0	68	51-80	Portion of the 1996 stand 66 that was not included in the Halifax Aspen timber sale. Aspen with spruce. Open area in the stand. Small acreage stand.
77	42310 - Planted Spruce	Poletimber Well	8.0	53	111-140	White spruce planted in 1964. Nice thick stand of spruce with some mature aspen within the middle of the larger young aspen stand. Good diversity. Manage the stand for the spruce. Auger-Annianias silt loam soil.
78	4110 - Sugar Maple Association	Poletimber Well	10.5	91	111-140	Stand is a narrow hardwood stand between the young aspen and the cedar swamp. Primarily all on a slope, but operable. Mainly pole size hard maple with some small sawtimber. Zandi silt loam soil.
79	4130 - Aspen	Sapling Well	15.6	23	Immature	Stand cut as sales #015-92-01 "Center Section Aspen" and #016-93-01 "Windy Aspen". Cut throughout the years of 1993-1995. Nice aspen regeneration 35 + ft tall, thick in most areas. Stand is beginning to transition from a sapling to a pole size stand. Approximately 20-30 BA in the pole size class. Old road system through stands 15, 79, 115, 113, 117 are almost non-existent now. Growing in nicely. Auger-Annianias silt loam soil.
80	6120 - Lowland Cedar	Poletimber Well	101.0	104	81-110	Mixed stand, mainly cedar with pockets of a Q type. Slightly more of an E type in parts of this stand compared to stand 62, mainly on the west side. Fair amount of yellow birch, white birch and maple. Open in areas, very wet. Carbondale, Lupton and Tawas muck soil.
81	4119 - Mixed Northern Hardwoods	Poletimber Well	33.9	91	81-110	Old Notes: Mainly large diameter red maple. Very thick balsam understory. Difficult access to these stands. Very low quality, lots of defect, crooked, etc. Large dbh hemlock. Auger-Annianias silt loam soil.
83	6120 - Lowland Cedar	Poletimber Well	2.1	88	51-80	Cedar stand with black ash and some red maple. Scattered hemlock. Hendrie-Annianias soil complex
84	4113 - R.Maple, Conifer	Poletimber Well	21.2	91	81-110	Old Notes: Mainly large diameter red maple. Very thick balsam understory. Difficult access to these stands. Very low quality, lots of defect, crooked, etc. Large dbh hemlock. Auger-Annianias silt loam soil.
85	6122 - Black Spruce	Poletimber Well	7.0	83	51-80	Patches of black spruce with some scattered cedar.
86	6122 - Black Spruce	Sapling Well	8.1	64	1-50	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
90	4113 - R.Maple, Conifer	Sawtimber Well	21.1	91	111-140	Red maple stand. Much of the maple is larger diameter, over mature, pulpwood quality. Decline and dead tops in the maple. A few yellow birch and white spruce. Component of very large diameter white pine. Hemlock, cedar, spruce components as well. Cedar and hemlock regeneration in areas. Wet along stand edges. Some pockets of better quality and higher maple BA. Access is very difficult - marginal access from the west and private land to the north and south. Old grade runs north and south through the stand. Auger-Annianias silt loam soil.
91	4113 - R.Maple, Conifer	Sawtimber Well	8.5	91	111-140	Low quality hardwoods, mainly red maple. Pockets of balsam, good component of balsam. A few yellow birch. Hemlock, cedar, spruce and some large white pine. Wetter areas along stand edges. Some pockets of better quality and higher maple BA. Access is very difficult - marginal from west and private land to the north and south. Open areas. Auger-Annianias silt loam soil.
93	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	14.4	79	81-110	Mixed swamp conifer with high basal area of cedar. Some low quality red maple. Pocket of low ground hardwoods throughout the stand. Black spruce and black ash. Thick understory. Small drainage/low area bordering to the north and a small creek/drainage through the center of the stand.
94	4113 - R.Maple, Conifer	Poletimber Well	21.3	86	81-110	Low quality red maple stand. Northern 2/3 of the stand is more of an M5/M3, southern 1/3 is more of an M6/M9. Thick balsam understory. Some dead trees. Scattered cedar, more along southern edge. Lots of crooked, forked trees. Drainage/low area runs east/west through northern 1/3 of the stand.
95	6120 - Lowland Cedar	Poletimber Well	10.0	88	51-80	Cedar stand with black ash and some red maple. Scattered hemlock. Hendrie-Annianias soil complex
96	6120 - Lowland Cedar	Poletimber Poor	4.2	88	1-50	Very low quality. Sparse. Hendie-Annianias soil complex
97	6120 - Lowland Cedar	Poletimber Well	6.6	89	81-110	Small creek flowing east through the stand. Topography change (slight) from stand 98 to the corridor around the creek.
98	4319 - Mixed Upland Forest	Poletimber Medium	87.8	43	51-80	Stand has a lot of variability. Pockets of mature aspen (NW corner primarily). Open areas with younger aspen, maple, balsam. Pockets with older maple over younger balsam. Some low areas with spruce and cedar. Aspen is showing decline and rot. Maple is mature. Areas of older spruce and balsam. Notes from 1996 OI - "Area essentially clearcut in the late 1970's" (younger balsam and spruce). Auger-Annianias silt loam soil.
99	4112 - Maple, Beech, Cherry Association	Poletimber Well	3.2	86	51-80	Stand was harvested as part of timber sale #041-07, Baird Creek Hardwoods. Stand is a small ridge of maple extending out from the larger portion of the stand in C 50 (stand 39). Fairly good quality in the red and sugar maple. Steep slopes along stand edges. Maple regeneration is coming in after the harvest (stump sprouts). Much of the balsam in the understory is almost merchantable.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
100	42340 - Upland Spruce/Fir	Poletimber Medium	13.4	46	81-110	Fairly young, healthy balsam with low quality red maple. Small diameters, short heights. Some large diameter, over mature red maple. Some cedar. Scattered hemlock and larger diameter white pine. Lower ground through many parts of the stand. Pockets of "Q" type near road intersection. Possibly cut over in the past with stand 98? Zandi and Auger silt loam soils.
101	4112 - Maple, Beech, Cherry Association	Poletimber Well	17.5	91	111-140	Red maple stand. Some large diameter maple. Quality overall throughout the stand is low. Scattered larger diameter white spruce and white pine. Some cedar near the stand edges. Some areas with more 7-8 inch hard maple. Lots of maple seedlings 1-2 ft. Lower quality red maple. Occasional yellow birch. Multiple stems, crooked, low quality throughout. Ridge running east/west through the center of the stand. Zandi silt loam.
102	4319 - Mixed Upland Forest	Poletimber Well	9.2	51	81-110	Mainly balsam and red maple with some spruce. Semi open in spots. Pockets with more maple than balsam. Most of the maple is lower quality, seams, twisted, multi-stem, some dead tops. Slightly wetter in areas. Zandi silt loam.
103	4112 - Maple, Beech, Cherry Association	Poletimber Well	15.0	81	81-110	Low quality, small diameter red maple. Some large diameter low quality red maple as well. Balsam with some maple in the understory. Low BA in many spots. Possible shelterwood in 10 years. Zandi silt loam soil. **1996 notes - "partially cut for spruce and balsam fir in late 1970's".
105	4319 - Mixed Upland Forest	Poletimber Well	4.4	51	81-110	Mainly balsam and red maple with some spruce. Semi open in spots. Pockets with more maple than balsam. Red maple is lower quality. Slightly wetter in areas. Zandi silt loam.
107	4112 - Maple, Beech, Cherry Association	Poletimber Well	37.6	86	51-80	Stand harvested via selection harvest as sale #024-08-01, South Baird Hardwoods. Completed 08/14/2012. Decent quality hardwoods. Best quality is in the sugar maple poles. Some maple borer damage. Large diameter red maple pulp throughout. Stand quality decreases in the western portion of the stand, more red maple. Wetter areas with scattered cedar. Slopes in the southwest portion of the stand. Skid trails through the stand are wet in areas. Auger silt loam.
108	6120 - Lowland Cedar	Poletimber Well	8.2	111	81-110	Q6 stand, primarily cedar with some red maple, yellow birch and black ash. Small drainage within the stand. Auger silt loam. **1996 notes - "merchantable spruce, balsam and most of hemlock killed by budworm in 1980's".
109	4112 - Maple, Beech, Cherry Association	Poletimber Well	8.6	81	111-140	Pole size maple with large overmature red maple. Small ridge between the cedar type and the recent hardwood to aspen conversion harvest (019-06-01). Decent quality. Majority of the stand basal area is within the 8-10 inch diameter classes. Hummocky ground. Quality decreases to the east. Auger-Annianis silt loam soil.
110	4130 - Aspen	Sapling Well	46.8	8	Immature	Old Notes: Very large diameter, overmature aspen over maple. Aspen is showing lots of rot and decline. Lower quality in the maple. Fair amount of aspen regeneration in the understory in spots. Pockets of balsam and spruce. 2016: Stand harvested as "Baird Creek Aspen", sale #019-06-01. Complete 11/25/09. Nice aspen regeneration with a good component of maple and some cherry.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
111	6120 - Lowland Cedar	Poletimber Well	31.3	93	81-110	Pockets of cedar with some open areas. Good component of red maple and black spruce. Some elm and black ash. Better cedar further to the east in the stand. Very wet, stand water. ***1996 notes - "essentially clearcut in early 1920's".
112	4112 - Maple, Beech, Cherry Association	Poletimber Well	2.2	91	51-80	Small portion of a larger red maple stand extending from C 50 (stand 45). Low quality. Stand was cut via selection harvest as "Penny Creek Hardwoods" (028-03-01). Completed 10/18/2007. Set up as an addition to the existing sale, provided access to the existing sale area.
113	4130 - Aspen	Sapling Well	21.7	23	Immature	Stand cut as sales #015-92-01 "Center Section Aspen" and #016-93-01 "Windy Aspen". Cut throughout the years of 1993-1995. South third of the stand completed in 1994. The remainder of the harvest was done by June 1995. Nice aspen regeneration 35+ ft tall, thick in most areas. Stand is beginning to transition from a sapling stand to a pole stand. Approximately 20-30 BA in the pole size class. Auger-Annianis silt loam soil.
114	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	59.2	79	81-110	Stand has a lot of variability. Areas of more red maple, others of cedar, pockets of balsam and black spruce, areas more open and wet. Overall a lowland stand. Mixed swamp conifer with high basal area of cedar. Some low quality red maple. Pockets of low ground hardwoods throughout the stand. Black spruce and black ash. Thick understory.
115	4130 - Aspen	Sapling Well	27.5	23	Immature	Stand cut as sales #015-92-01 "Center Section Aspen" and #016-93-01 "Windy Aspen". Cut throughout the years of 1993-1995. South third of the original stand completed in 1994. The remainder of the harvest was done by June 1995. Nice aspen regeneration 35+ ft tall, thick in most areas. Stand is beginning to transition from a sapling to a pole size stand. Approximately 20-30 BA in the pole size class. Old road system through stands 15, 79, 115, 113, 117 are almost non-existent now. Growing in nicely. Auger-Annianis silt loam soil.
116	4112 - Maple, Beech, Cherry Association	Poletimber Well	1.5	81	81-110	Stand is an extension of the larger stand in C 50 (stand 40). This is the very eastern end of the stand. Quality is not as good in this portion of the stand as in the rest of the stand in C 50. Conifer component along the edges of the stand. Baird Creek borders the stand on the south side. Zandi silt loam.
117	4134 - Aspen, Spruce/Fir	Sapling Well	31.3	23	Immature	Stand cut as sales #015-92-01 "Center Section Aspen" and #016-93-01 "Windy Aspen". Cut throughout the years of 1993-1995. South third of the stand completed in 1994. The remainder of the harvest was done by June 1995. Nice aspen regeneration 35+ ft tall, thick in most areas. Stand is beginning to transition from a sapling stand to a pole stand. Approximately 20-30 BA in the pole size class. Auger-Annianis silt loam soil.
118	4130 - Aspen	Sapling Well	21.7	15	Immature	Sale #009-98-01, "Linton Creek Aspen" - Unit 2. Cut in Feb and March of 2002. Nice quaking aspen with some big tooth, 30+ ft tall regeneration. Spruce and balsam - scattered. Edges along beaver ponds and creeks have substantial beaver damage to aspen. Maple stump sprouting in those areas. Old notes state - "old burning filling in with aspen, spruce and balsam."



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
119	4130 - Aspen	Sapling Well	21.7	15	Immature	Sale #009-98-01, "Linton Creek Aspen" - Unit 2. Cut in Feb and March of 2002. Nice quaking aspen with some big tooth, 30+ ft tall regeneration. Spruce and balsam - scattered. Edges along beaver ponds and creeks have substantial beaver damage to aspen. Maple stump sprouting in those areas. Old notes state - "old burning filling in with aspen, spruce and balsam."
121	4130 - Aspen	Poletimber Well	20.6	24	Immature	Sale #014-92-01 "Walleye Pond Aspen". Nice aspen regeneration, 40+ ft tall. Thick throughout the stand. Stand has begun to transition to a pole size stand. 50-60 BA of aspen is pole size. Nice, young aspen stand. Roughly a 2 chain wide strip along stand 34 and stand 14 is void of aspen regen anymore due to beaver activity. That area is mainly red maple and spruce (M2). Eastern "finger" of the stand is mainly balsam and spruce. Auger-Annianis silt loam soil.
122	4130 - Aspen	Poletimber Well	23.8	24	Immature	Sale #014-92-01 "Walleye Pond Aspen". Nice aspen regeneration, 40+ ft tall. Thick throughout the stand. Stand has begun to transition to a pole size stand. 50-60 BA of aspen is pole size. Nice, young aspen stand. Western portion of the stand is smaller diameter and shorter heights on the aspen. Auger-Annianis silt loam soil.
123	4130 - Aspen	Sapling Well	17.8	15	Immature	Sale #009-98-01 "Linton Creek Aspen". Cut in the winter of 2002 (Feb and March). Nice aspen regeneration, not much of a conifer component. Average 35 ft tall. Scattered small diameter red maple, spruce and white pine residual. Old notes stated "not very uniform density" - prior to harvest. Edges of road through stand is lined with black berry bushes. Auger-Annianis silt loam soil.
124	4130 - Aspen	Sapling Well	15.0	5	Immature	Old notes: Stand has a lot of variability. Shorter tree heights in the northern portion, taller and larger diameters further south in the stand. Pockets with more spruce mixed in. Lower ground throughout. Pockets of younger aspen. Mature aspen is showing signs of rot and decline. Stand borders TFSP on the east side. Stand is mature. Possibly leave a buffer of conifer around the TFSP sign on M-123 for visual concerns. Auger-Annianis silt loam. **1995 notes - "old burning filling in to aspen, spruce and fir type". 2016: Stand harvested as sale #42-029-08-01(Park Boundary Aspen). Completed 05/17/12. Nice thick aspen regeneration, 10-20 ft tall, with components of maple, cherry white birch. A few residual maple and birch scattered. Road is blocked nicely on north end.
126	42320 - Upland Spruce	Poletimber Well	3.0	55	51-80	Small acreage stand of spruce, balsam and mature aspen within the younger aspen stand. Adds good diversity to the surrounding stand. Mainly white spruce and balsam.
129	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	8.0	96	1-50	Partially clearcut in 1976 (#15-73A). 2016: Stand harvested via seed tree as sale #008-09-01, Halifax Leave Mix. Retained cedar, white spruce, hemlock and white pine. Closed 07/15/13. Good maple regeneration coming in. Some balsam and spruce as well. Soils are Hendrie mucky peat.
131	6120 - Lowland Cedar	Poletimber Medium	4.2	89	1-50	Wet, semi open cedar stand with tag alder and spruce understory

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Newberry Mgt. Unit

Report 7 – Forested Stands

Compartment: 49
Year of Entry: 2018



S t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
138	4112 - Maple, Beech, Cherry Association	Poletimber Medium	6.0	91	51-80	Stand harvested via thinning as sale #008-09-01, Halifax Leave Mix. Closed 07/15/13. Red maple overstory. Fairly open canopy throughout. Thick understory of red maple, stumps sprouts. Auger-Annanias silt loam soil.



Stand	Cover Type	Acres	Managed Site	General Comments:
2	122 - Road/Parking Lot	6.3	No	Southern portion of Highway M-123 and cleared right of way.
3	122 - Road/Parking Lot	0.9	No	Old opening with edges of spruce, white pine, white birch and balsam. This stand is being used as a parking area with the newly developed Halifax GEM. Kiosk for the GEM is located in the stand as well. Auger-Annianias silt loam.
14	622 - Lowland Shrub	131.3	No	Tag alder and bursh corridor along the Linton Creek system (northern branches). Substantial beaver activity.
21	623 - Emergent Wetland	1.8	No	
34	500 - Water	15.7	No	Beaver pond at the headwaters of one of the tributaries/branches of the Linton Creek. Heavy beaver damage to the adjacent aspen stand (stand 29).
37	622 - Lowland Shrub	151.1	No	Lowland brush corridor with conifer edge buffering the south branch of the Linton Creek. Areas of small diameter spruce and cedar mixed in. Substantial beaver activity.
68	6224 - Treed Bog	3.0	No	
89	6224 - Treed Bog	4.6	No	
92	622 - Lowland Shrub	8.5	No	Small drainage/creek through stand. Hendrie-Annianias soil complex.
106	622 - Lowland Shrub	16.8	No	Lowland brush corridor with Baird Creek flowing east through the stand. Lots of beaver activity.
142	3102 - Grass	9.0	No	Small grass opening in the middle of young aspen. Encroachment is reducing the acreage of the opening. Auger-Annianias silt loam soil. Disc attachment for a tractor found within the opening.
144	3102 - Grass	1.7	No	Small opening with balsam and spruce along edges. Aspen encroaching from the north.
145	3302 - Low Density Conifer Trees	6.9	No	Good size opening. Encroachment of spruce, aspen and some jack pine. Open grown large diameter spruce. Clumps in the middle of the stand are spruce with red pine, jack pine and some cedar. Possible old logging camp site. Camp 6?