



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41022

Entry Year 2026

Acreage: 2,225

County Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Adam Petrelius

Legal Description:

T44N R15W, Sections 7, 8, 17, and 18

Identified Planning Goals:

This compartment is located within the Seney Lake Plain Management Area. The goals for this compartment include harvesting of timber products, enhancing or maintaining wildlife habitat, protecting areas with unique characteristics, and to provide opportunities for forest recreation.

Soil and topography:

The topography in this compartment is mostly flat. There are some upland ridges of mixed pine within the marsh types. Mixed hardwood and red pine are found within the higher elevations. Soil types found within the compartment are Wallace & Wallace Sands, Rubicon-Roselawn Sands, Saugetuck, and Bruce Sands and Loams.

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

In 1995, the top row of 40s, east of the Creighton Truck Trail was traded to the Seney National Wildlife Refuge, which borders the compartment to the north. Both private and state land borders the compartment along the west and southern boundaries. The eastern boundary is entirely state land. A camp is located on the only private parcel within the compartment along the southern boundary of Section 17. People have been observed camping along the West Branch of the Manistique River during bear and deer hunting seasons.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Areas of this compartment have been placed in a conservation easement.

Watershed and Fisheries Considerations:

NLMMU – John Bauman: This compartment contains Section Nineteen Creek, Duck Creek, and the West Branch Manistique River. Section Nineteen Creek, Duck Creek, and the West Branch of the Manistique River are all non-designated stream reaches with predicted mean July water temperatures of 61.9, 62.4, and 65.5 °F (cold streams), respectively. 100-foot, plus 5 feet per 1% increase in slope, buffers are recommended for Section Nineteen Creek, Duck Creek, and the West Branch Manistique River to protect riparian areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Wildlife featured species include beaver, moose, ruffed grouse, sharp-tailed grouse, snowshoe hare, and deer.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for occurrences of commercial deposits of metallic or critical minerals in this area. No active sand/gravel operations are known to occur in the area. The compartment is dominated by wetlands, which would inhibit significant surface mining. No current mineral leasing activity exists in the area, and there are no notable prospects for mineral development in the area at this time. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

There is good vehicle access to the majority of the compartment except Section 8 which is predominately marsh cover types. County Road 448, also known as the Creighton Truck Trail, it is snowplowed by the Schoolcraft County Road Commission until it reaches the Highwater Truck Trail which is a state owned snowmobile trail. Most woods roads are accessible by 2 wheel drive traffic during the dry periods of the year. Portions of the compartment west of the river are

accessed by Section 19 Creek Road. Seasonal drainages make this road impassible during the peak of the spring runoff.

Survey Needs:

Yes

Recreational Facilities and Opportunities:

The highwater truck trail is a snowmobile trail and travels through the compartment.

Fire Protection:

Compartment is located in the middle of all 3 fire stations and response times will be greater than normal. Difficult access exists in the NE due to a marsh island complex. Specific suppression tactics may be needed due to the conservation easement in place. Water sources are abundant. Minimal human activity in the compartment will minimize fire starts, however pine and marsh fuels will make it prone to summer lightning fires.

Additional Compartment Information:

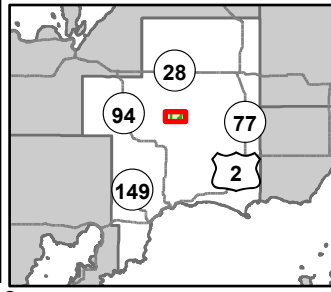
The following reports from the Inventory are attached:

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

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

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

Cover Type & Treatments Map



Compartment: 41022
 T44N, R15W, Sec: 7, 8, 17, 18
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Lake Plain
 YOE: 2026
 Acres: 2224.7 GIS Calculated
 Examiner: Adam Petrelus
 Map Revised: 08/07/2024
 Map Phase: Web Post

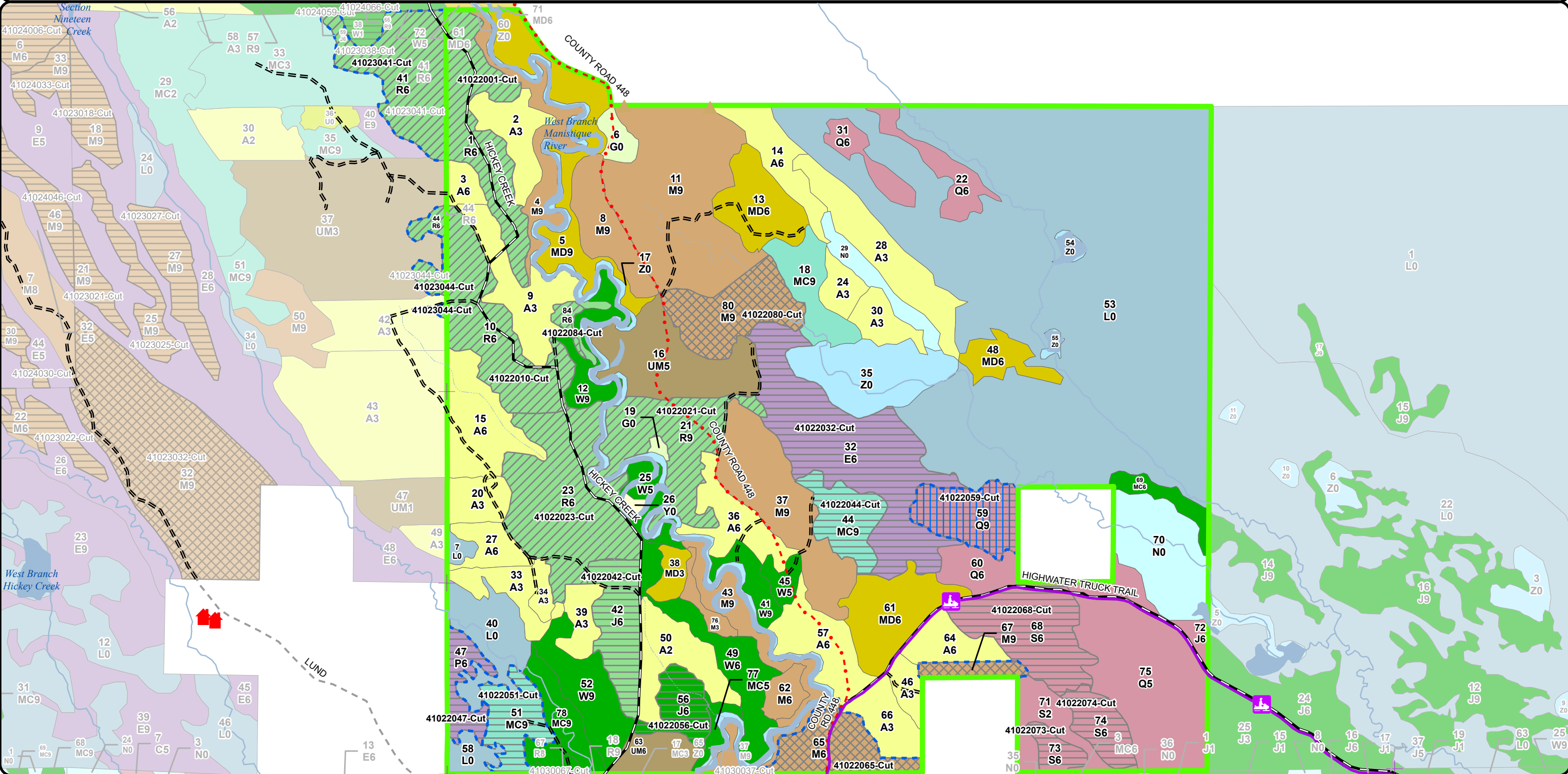
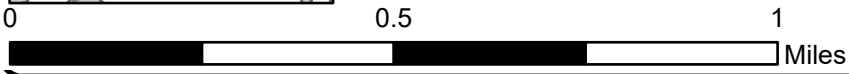
- Cabin
- Berms
- Remonumented Section Corners
- Snowmobile Trails
- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Forest Access Route

- County - Gravel Road
- Private - Dirt / Gravel Road
- Drain
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary

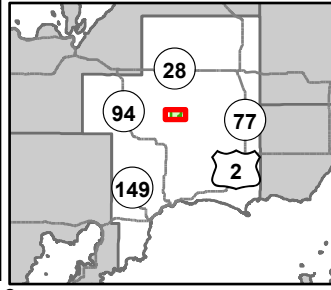
- Treatments with Site Conditions
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood

- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil
- 421 - Planted Pines



Stand Boundary Map

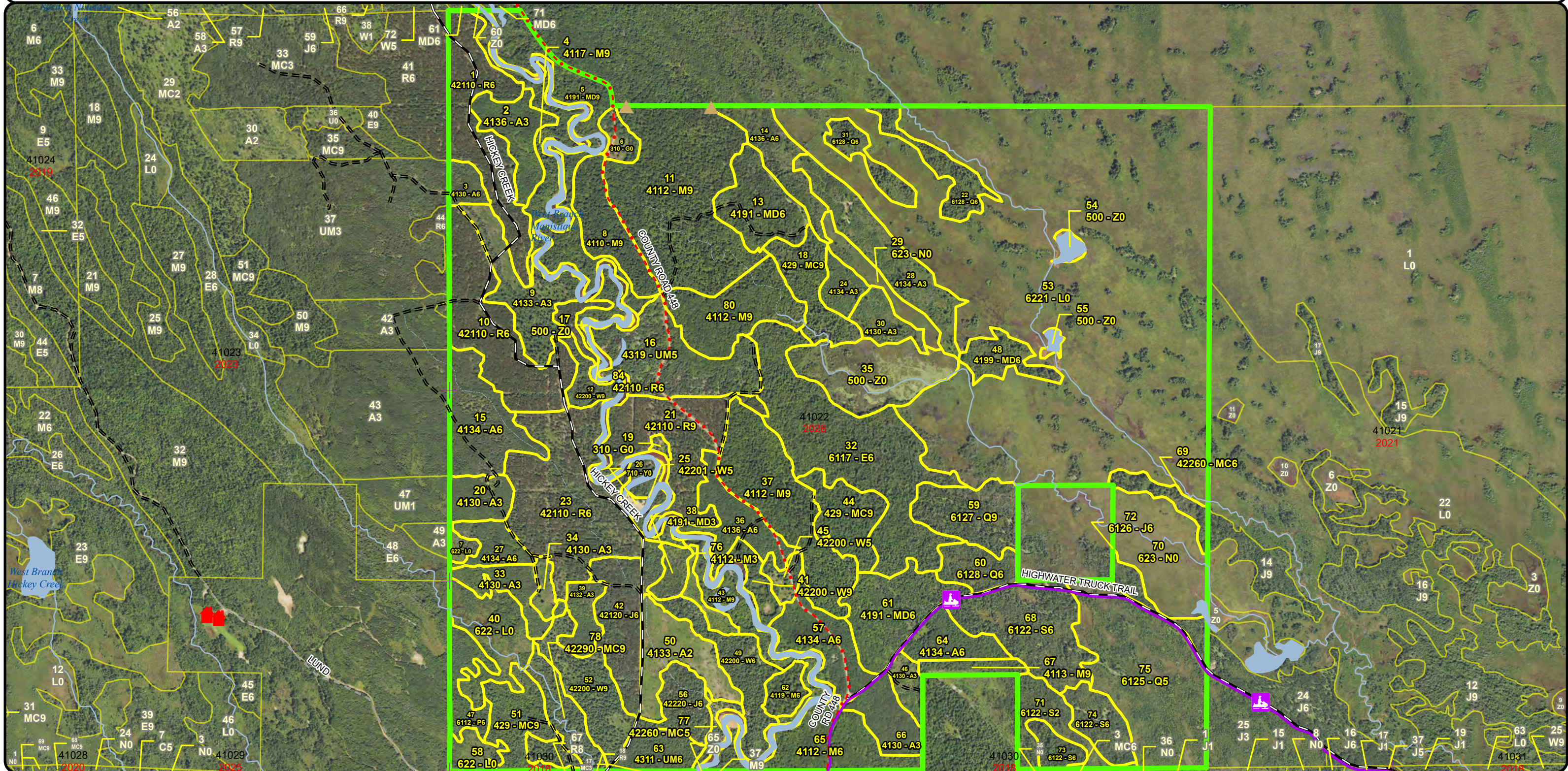


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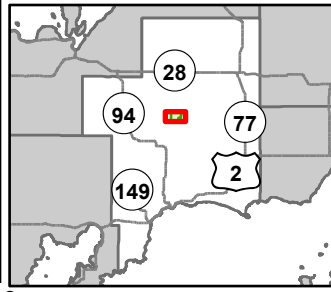
0 0.5 1 Miles

- Cabin
- Berms
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- Stand Boundaries
- 611 - Lowland Deciduous Forest
- 411 - Northern Hardwood
- 612 - Lowland Coniferous Forest
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- 710 - Sand/Soil
- 430 - Upland Mixed Forest



Special Conservation Areas & Site Conditions Map

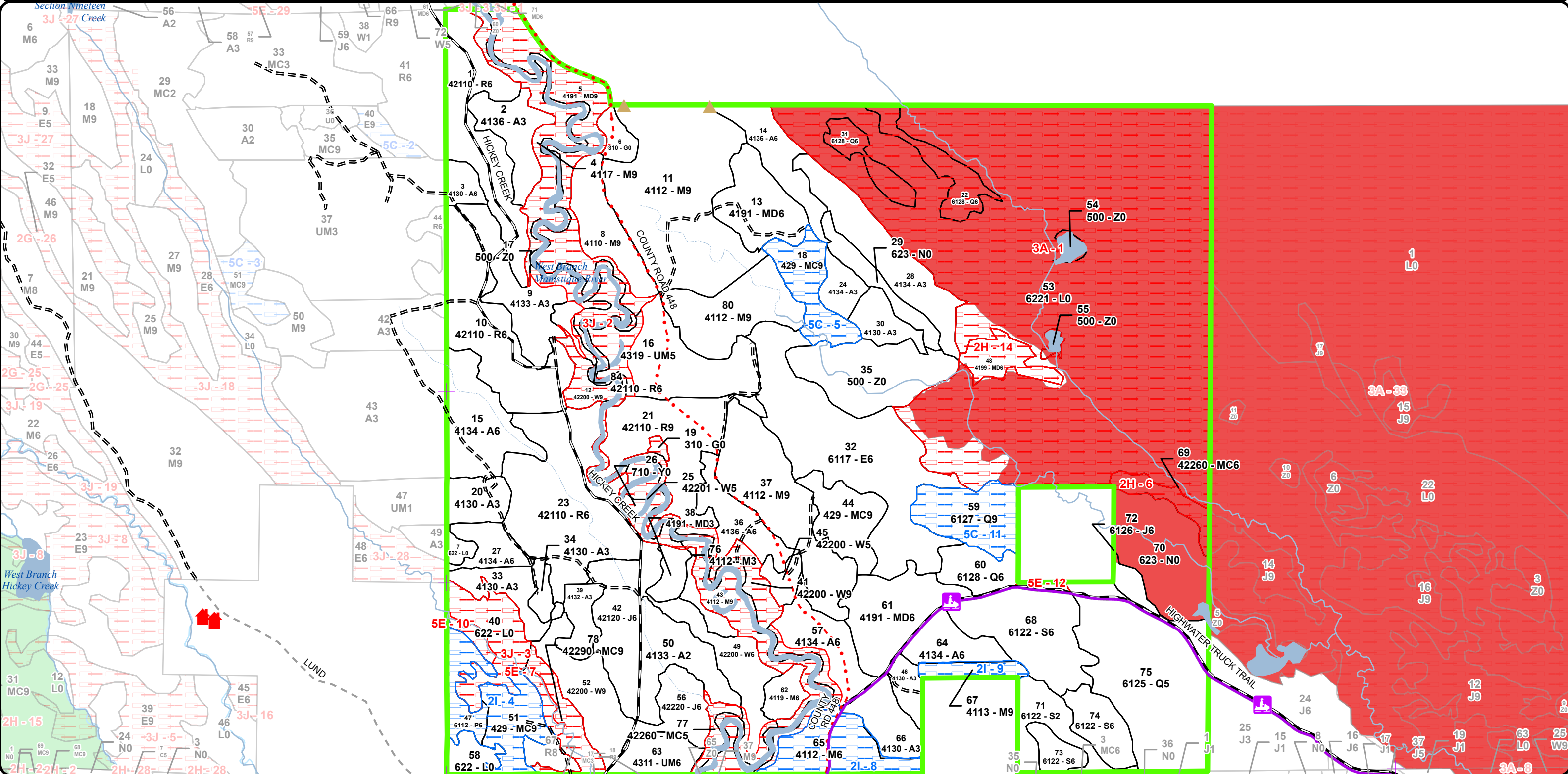
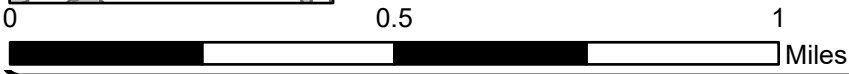


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- Drain
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed

- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Type 1 and Type 2 Old Growth





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	54	76	60	109	19	0	0	0	0	0	0	0	0	0	0	0	0	318
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Jack Pine	0	0	0	0	0	9	41	0	0	0	0	0	0	0	0	0	0	0	50
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	14
Lowland Conifers	0	0	0	74	0	14	0	26	0	0	26	0	0	0	0	0	0	0	140
Lowland Deciduous	0	0	0	0	0	0	0	0	86	0	0	0	0	0	0	0	0	0	86
Lowland Shrub	521	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	521
Lowland Spruce/Fir	0	0	0	0	0	18	0	0	65	0	0	0	0	0	0	0	0	0	83
Marsh	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Mixed Upland Deciduous	0	0	0	7	0	32	38	0	39	0	0	0	0	0	0	0	0	0	116
Natural Mixed Pines	0	0	0	0	0	0	5	9	0	16	0	0	0	0	0	0	0	0	30
Northern Hardwood	0	5	0	0	0	0	0	0	0	32	250	0	0	0	0	0	0	0	287
Red Pine	0	0	0	0	0	0	127	87	0	0	0	0	0	0	0	0	0	0	214
Sand, Soil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Conifers	0	0	0	0	0	0	0	0	0	21	0	0	41	0	0	0	0	0	62
Upland Mixed Forest	0	0	0	0	14	0	0	43	0	0	0	0	0	0	0	0	0	0	57
Water	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86
White Pine	0	0	0	0	0	6	0	15	0	40	10	0	0	0	0	0	0	28	99
Total	667	59	76	141	123	98	225	180	190	109	286	0	41	0	0	0	0	28	2223



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 22
Total Compartment Acres: 2,225

Commercial Harvest - 458
Harvests with Site Condition - 94
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
Jack Pine	41	0	0	0	0	0	0	0	0	41
Lowland Aspen/Balsam Poplar	14	0	0	0	0	0	0	0	0	14
Lowland Conifers	0	0	0	26	0	0	0	0	0	26
Lowland Deciduous	86	0	0	0	0	0	0	0	0	86
Lowland Spruce/Fir	65	0	0	0	0	0	0	0	0	65
Northern Hardwood	0	68	0	0	0	0	0	0	0	68
Red Pine	0	0	0	0	0	212	0	0	0	212
Upland Conifers	41	0	0	0	0	0	0	0	0	41
Total	247	68	0	26	0	212	0	0	0	553

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	553	0	0	0	0	0	0	0	0	553
Next Step	0	41	41	0	0	83	409	0	0	575
Total	553	41	41	0	0	83	409	0	0	1128



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	Habitat Cut
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Proposed Treatments:

1	41022001-Cut	44.2	42110 - Planted Red Pine	Poletimber Well	60	111- 140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin to 120 basal area <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2025</p>											
10	41022010-Cut	50.3	42110 - Planted Red Pine	Poletimber Well	59	111- 140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin to 120 basal area. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2025</p>											
21	41022021-Cut	43.0	42110 - Planted Red Pine	Sawtimber Well	61	111- 140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin to 120 sq. ft. basal area. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 10/1 /2025</p>											
23	41022023-Cut	71.4	42110 - Planted Red Pine	Poletimber Well	59	111- 140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin to 120 basal area. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Proposed Start Date: 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
32	41022032-Cut	85.5	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	75	111-140	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak if present. Retention can be placed along the marsh edge</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> All species currently present onsite.</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
42	41022042-Cut	26.1	42120 - Planted Jack Pine	Poletimber Well	53	141-170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Cut all trees greater than 15 feet tall. Retention should be left on the edge for plantation management.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Skidder - Site Prep</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
44	41022044-Cut	20.8	429 - Mixed Upland Conifers	Sawtimber Well	86	111-140	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Cut all species except hemlock and oak. A retention patch should be placed that contains a large percentage of white pine or hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> All species currently present on site.</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
47	41022047-Cut	13.5	6112 - Lowland Aspen	Poletimber Well	53	111-140	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all trees except hemlock and oak. Retention will be 100 foot buffer on 19 creek and along the marsh edge.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any species present onsite.</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Survey Needed</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
51 41022051-Cut	20.3	429 - Mixed Upland Conifers	Sawtimber Well	115	111-140	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Harvest all species except hemlock and oak. Retention will be the 100 foot buffer on 19 creek and marsh edge</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any species currently onsite</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
56 41022056-Cut	15.3	42220 - Natural Jack Pine	Poletimber Well	51	111-140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut and plant to red pine. Retention should be placed on the edge for plantation management. Cut all trees greater than 15 feet tall.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial</p> <p><u>Treatments:</u> Regen(3yr); Pesticide, Skidder - Site Prep</p> <p><u>Acceptable</u> Red Pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
59 41022059-Cut	26.2	6127 - Lowland Pine	Sawtimber Well	90	111-140	Harvest	Seed Tree with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak if present. Retention can be placed along the marsh edge. Leave some scattered red pine and white pine seed trees</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> All species currently present onsite.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Age-Class or Site Quality</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
65 41022065-Cut	27.1	4112 - Maple, Beech, Cherry Association	Poletimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selection harvest. Install adequate regeneration gaps according to northern hardwood gap guidance. Residual basal area not including regeneration gaps should target 80 sq. ft.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> All species currently located onsite.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</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
67 41022067-Cut	7.3	4113 - R.Maple, Conifer	Sawtimber Well	80	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selection harvest. Install adequate regeneration gaps according to northern hardwood gap guidance. Residual basal area not including regeneration gaps should target 80 sq. ft.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> All species currently located onsite.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
68 41022068-Cut	42.5	6122 - Black Spruce	Poletimber Well	75	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak if present. Retention can be left north of snowmobile trail and along the marsh edge.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> All species currently present onsite.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
73 41022073-Cut	7.5	6122 - Black Spruce	Poletimber Well	75	81-110	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak if present. Less than 3% retention is acceptable due to small stand size.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> All species currently present onsite.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
74 41022074-Cut	15.2	6122 - Black Spruce	Poletimber Well	75	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak if present. Retention can be placed along the marsh edge.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> All species currently present onsite.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></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
80 41022080-Cut	33.5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selection harvest. Install adequate regeneration gaps according to northern hardwood gap guidance. Residual basal area not including regeneration gaps should target 80 sq. ft.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> All species currently located onsite.</p> <p><u>Regen:</u></p> <p><u>Other</u> Marking will need to be in a different color paint than orange since the unit was turned back in.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
84 41022084-Cut	3.1	42110 - Planted Red Pine	Poletimber Well	59	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin to 120 basal area</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
41 41023041-Cut	45.5	42110 - Planted Red Pine	Poletimber Well	59	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin to 120 basal area</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>										
44 41023044-Cut	8.8	42110 - Planted Red Pine	Poletimber Well	59	51-80	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin to 120 basal area</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></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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Total Treatment
Acreage Proposed: 607.1



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		2I	5C	2H	3A	3J	5E
319	309	1	9	Aspen	1				9	
8	6	0	1	Herbaceous Openland					1	
50	50	0	0	Jack Pine						
14	0	14	0	Lowland Aspen/Balsam Poplar	14					
140	88	26	26	Lowland Conifers		26		26		
85	85	0	0	Lowland Deciduous						
521	11	0	510	Lowland Shrub				484	23	3
83	81	0	2	Lowland Spruce/Fir	0					2
51	51	0	0	Marsh						
116	65	0	52	Mixed Upland Deciduous			13		39	
30	0	0	30	Natural Mixed Pines			9		17	4
287	208	34	45	Northern Hardwood	34				45	
214	212	0	2	Red Pine					2	
1	0	0	1	Sand, Soil					1	
62	21	41	0	Upland Conifers	20	21				
56	48	0	8	Upland Mixed Forest					8	
87	40	0	47	Water				3	44	
100	62	0	38	White Pine					38	
2,225	1,338	116	771	Total Forested Acres	69	47	22	513	228	9
	60%	5%	35%	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	3A: Conservation Values incompatible with harvest at this time	513	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Adam Petrelius : Examiner

Compartment: 22
Year of Entry: 2026



2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	192	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	2I: Survey needed	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Harvest when adjacent stands are ready							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	Unspecified	Unspecified	Unspecified
Comments: Small stand that is inaccessible due to river crossing							
7	Unavailable	5E: Long-Term Retention	4	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							



8	Available	2I: Survey needed	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	2I: Survey needed	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treatment on hold pending final guidance on natural pine.							
12	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



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
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	42110 - Planted Red Pine	Poletimber Well	44.2	60	111-140	N/A	[12/14/2016 TI] Stand was cut as part of Sale # 41-031-13-01 Mixed Up Wood. TCR Date 10/10/2016.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		5	Log/Pole	13		Balsam Fir		Medium	< 5 feet	Sapling
Red Pine		95	Pole	9	60	White Pine		Medium	5 - 10 feet	Sapling
2	4136 - Aspen, Mixed Conifer	Sapling Well	18.8	26	1-50	N/A				
Canopy Species		% Cover	Size Class	DBH	Age					
Quaking Aspen		60	Sapling/Pole	4	26					
Red Maple		20	Sapling/Pole	4						
Jack Pine		10	Sapling	4						
Balsam Fir		10	Sapling	3						
3	4130 - Aspen	Poletimber Well	6.4	33	1-50	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
White Spruce		10	Sapling	4		Balsam Fir	Medium	5 - 10 feet	Sapling	
Balsam Fir		5	Sapling	4		White Spruce	Medium	5 - 10 feet	Sapling	
Quaking Aspen		85	Pole/Sapling	5	33					
4	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	20.5	90	81-110	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple		40	Log/Pole	10	90	Balsam Fir	Medium	5 - 10 feet	Sapling	
Sugar Maple		30	Log/Pole	10		Beech	Medium	5 - 10 feet	Sapling	
Paper Birch		10	Log/Pole	12		Sugar Maple	Medium	10 - 20 feet	Sapling	
White Pine		20	XLog	18						
5	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	39.0	79	111-140	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
White Pine		30	Log/Pole	16		Red Maple	Medium	10 - 20 feet	Sapling	
Red Maple		40	Log/Pole	11	79	White Pine	Medium	10 - 20 feet	Sapling	
Quaking Aspen		30	Log/Pole	10		Balsam Fir	Medium	5 - 10 feet	Sapling	
6	310 - Herbaceous Openland	Nonstocked	6.3			No	former grass stand Stand swapped from Forested to Non-Forested.			
7	622 - Lowland Shrub	Nonstocked	3.1	0	Unspecified	No				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																									
8	4110 - Sugar Maple Association	Sawtimber Well	22.4	90	81-110	N/A	Harvested with sale 41-028-06-01 Lost Stands 2. Residual basal areas from cruise were 43 sugar maple, 16 soft maple, 1 yellow birch, 10 beech, 1 white birch, 2 white pine, 7 cherry. 80 overall. Harvested in winter 2011.																																																																									
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9	4133 - Aspen, Mixed Pine	Sapling Well	28.7	5	1-50	N/A	[4/6/21 TI] Stand was cut as part of Unit 2 of Black Bear Pine Sale #41-012-16. TCR Date 11/12/20.																																																																									
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10	42110 - Planted Red Pine	Poletimber Well	50.3	59	111-140	N/A	Aspen was cut out of stand in 1991. Stand was cut in summer 2010 with sale 41-010-06-01, 19 creek red aspen. Residual basal areas from cruise was 110.[4/6/21 TI] Stand was cut as part of Unit 3 of Black Bear Pine Sale #41-012-16. TCR Date 11/12/20.																																																																									
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11	4112 - Maple, Beech, Cherry Association	Sawtimber Well	89.3	90	51-80	N/A	Stand was thinned in 1990.[1/24/2022 TI] Stand was cut as part of Lots Bugs Sale. TCR Date 12/9/2021																																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 25.7 50 51-80 N/A set up in 1996 but never sold.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Pole	8	50
Paper Birch	10	Pole	6	
Quaking Aspen	30	Pole	7	50
Black Spruce	10	Pole/Sapling	5	
White Pine	10	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	5 - 10 feet	Sapling
Balsam Fir	Medium	5 - 10 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling

14 4136 - Aspen, Mixed Conifer Poletimber Well 19.4 46 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Pole	9	
Paper Birch	10	Pole/Sapling	6	
Black Spruce	10	Sapling/Pole	4	
Quaking Aspen	40	Pole	8	46
White Pine	10	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling

15 4134 - Aspen, Spruce/Fir Poletimber Well 31.9 33 1-50 N/A Stand was harvested between 1990 and 1994.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	70	Pole/Sapling	5	33
Black Spruce	15	Sapling	3	
Balsam Fir	15	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	5 - 10 feet	Sapling
Balsam Fir	Medium	5 - 10 feet	Sapling

16 4319 - Mixed Upland Forest Poletimber Medium 42.6 60 1-50 N/A former grass stands

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	8	
Red Pine	5	Log/Pole	11	
Black Cherry	10	Pole	9	
Quaking Aspen	15	Pole	7	
Jack Pine	10	Pole	8	
Red Maple	25	Pole	8	60
White Pine	20	Log/Pole	11	
Sugar Maple	5	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	10 - 20 feet	Sapling

17 500 - Water Nonstocked 43.7 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	429 - Mixed Upland Conifers	Sawtimber Well	20.5	110	81-110	N/A	formerly typed as hemlock last inventory cycle
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Hemlock		30	XLog/Log	20	110	White Pine	
Red Maple		25	Log/Pole	10		Medium	
White Pine		25	XLog/Log	18		High	
Red Pine		10	Log	16		Low	
Black Spruce		10	Pole	9		5 - 10 feet	
						Sapling	
19	310 - Herbaceous Openland	Nonstocked	1.4		Unspecified	No	former grass stand Stand swapped from Forested to Non-Forested.
20	4130 - Aspen	Sapling Well	12.4	15	1-50	N/A	stand was cut in December 2009 with sale 41-010-06-01 19 creek red aspen.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		5	Sapling	2		Balsam Fir	
Red Maple		10	Sapling	3		Low	
Quaking Aspen		80	Sapling	3	15	5 - 10 feet	
Balsam Fir		5	Sapling	2		Sapling	
21	42110 - Planted Red Pine	Sawtimber Well	43.0	61	111-140	N/A	[1/24/2022 TI] Stand was cut as part of Lots Bugs Sale. TCR Date 12/9/2021
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		100	Log/Pole	11	61	Balsam Fir	
						Low	
						5 - 10 feet	
						Sapling	
						White Pine	
						Low	
						5 - 10 feet	
						Sapling	
						Sugar Maple	
						Low	
						5 - 10 feet	
						Sapling	
22	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	15.1	64	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		20	Pole	7		Balsam Fir	
White Pine		20	Log/Pole	14		Medium	
Quaking Aspen		20	Pole	7	64	5 - 10 feet	
Red Pine		20	Log/Pole	14		Sapling	
Red Maple		20	Pole	8	64		
23	42110 - Planted Red Pine	Poletimber Well	71.4	59	111-140	N/A	[4/6/21 TI] Stand was cut as part of Unit 4 and 5 of Black Bear Pine Sale #41-012-16. TCR Date 11/12/20.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Cherry		5	Pole	8		Balsam Fir	
White Pine		3	Pole	8		Low	
White Spruce		3	Pole	8		Medium	
Red Pine		89	Pole	8	59	5 - 10 feet	
						Sapling	
						Sugar Maple	
						Medium	
						5 - 10 feet	
						Sapling	
						Red Maple	
						Medium	
						5 - 10 feet	
						Sapling	
						White Pine	
						Low	
						5 - 10 feet	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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24 4134 - Aspen, Spruce/Fir Sapling Well 8.5 24 1-50 N/A Stand was cut in 1999, Lost Stands Sale.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	2	
Quaking Aspen	60	Sapling	4	24
Balsam Fir	20	Sapling	3	
White Pine	10	Sapling	3	

25 42201 - Natural White Pine, Mixed Deciduous Poletimber Medium 10.4 92 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Pole	7		White Pine	Low	10 - 20 feet	Sapling
White Pine	60	Log/Pole	14	92	Red Maple	Medium	5 - 10 feet	Sapling
Balsam Fir	10	Pole	7		Balsam Fir	Medium	5 - 10 feet	Sapling

26 710 - Sand, Soil Nonstocked 1.5 No

27 4134 - Aspen, Spruce/Fir Poletimber Well 11.2 33 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	5	Sapling	4		Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir	15	Sapling	4		Black Spruce	Low	< 5 feet	Sapling
Quaking Aspen	65	Pole/Sapling	5	33	White Spruce	Low	< 5 feet	Sapling
Red Maple	15	Sapling/Pole	4					

28 4134 - Aspen, Spruce/Fir Sapling Well 34.4 12 1-50 N/A Stand was cut in winter 2011, Lost Stands 2 sale. 41-028-06-01. Residuals were 2 ft. oak, 3 ft. red pine, 3 ft white pine, 1 ft hemlock.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	3	Log	12	
Quaking Aspen	60	Sapling	2	12
Black Spruce	10	Sapling	2	
Balsam Fir	20	Sapling	1	
White Pine	4	Sapling	2	
Red Oak	3	Log	12	

29 623 - Emergent Wetland Nonstocked 12.0 No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
30	4130 - Aspen	Sapling Well	10.9	12	1-50	N/A	Stand was cut in winter 2011, Lost Stands 2 Sale, 41-028-06-01. Residual basal areas were 1 ft oak, 2 ft red pine, 2 ft white pine, 2 ft white birch.																																																												
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31	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	10.8	64	51-80	N/A																																																													
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32	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	85.5	75	111-140	N/A	This stand was set up as part of the Lotsa Bugs Sale 41-11-16 but was left uncut and returned.																																																												
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37	4112 - Maple, Beech, Cherry Association	Sawtimber Well	50.0	90	81-110	N/A	Stand was cut in winter 2011, Lost Stands 2 sale, 41-028-06-01. Residuals were 21 ft sugar, 30 ft red maple, 3 ft yellow birch, 2 ft beech, 1 ft white birch, 1 ft fir, 2 ft white pine, 8 ft cherry, 5 ft hemlock. Overall 73.																																																							
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38	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	6.7	25	1-50	N/A																																																								
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39	4132 - Aspen, Jack Pine	Sapling Well	10.0	25	1-50	N/A	Stand was scarified in 1998. Counts showed 1900 tpa of mixed species. OI notes said jack pine was long term management objective.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
42	42120 - Planted Jack Pine	Poletimber Well	26.1	53	141-170	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		25	Log/Pole	10		Balsam Fir	Low	< 5 feet	Sapling
Jack Pine		70	Pole	8	53	White Pine	Low	< 5 feet	Sapling
Quaking Aspen		5	Pole	9					
43	4112 - Maple, Beech, Cherry Association	Sawtimber Well	17.2	81	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry		20	Pole/Log	9		White Pine	Medium	5 - 10 feet	Sapling
Red Maple		70	Log/Pole	12	81	Red Maple	Medium	5 - 10 feet	Sapling
White Pine		10	Log/Pole	14		Balsam Fir	Medium	5 - 10 feet	Sapling
44	429 - Mixed Upland Conifers	Sawtimber Well	20.8	86	111-140	N/A	[1/24/2022 TI] Stand was not cut as part of Lots Bugs Sale. TCR Date 12/9/2021. Canopy percentages taken from cruise data on previous sale. This unit was not harvested in 2021.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		30	Log/XLog	16		Balsam Fir	High	5 - 10 feet	Sapling
Hemlock		20	Log/XLog	16	86	Red Maple	Medium	5 - 10 feet	Sapling
Red Pine		5	Log/Pole	12		White Pine	Low	5 - 10 feet	Sapling
Quaking Aspen		5	Log/Pole	10					
Northern White Cedar		5	Pole	8					
Red Maple		30	Log/Pole	12	86				
Black Spruce		5	Pole	8					
45	42200 - Natural White Pine	Poletimber Medium	5.8	40	1-50	N/A	former grass stand		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		60	Log/Pole	10	40	White Pine	Medium	5 - 10 feet	Sapling
Quaking Aspen		20	Pole/Sapling	5		Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir		20	Pole/Sapling	5					
46	4130 - Aspen	Sapling Well	7.3	25	1-50	N/A	TSI work was completed in 2000.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		10	Sapling	3		Balsam Fir	Medium	< 5 feet	Sapling
Quaking Aspen		75	Sapling	3	25				
Red Maple		10	Sapling	3					
Black Cherry		5	Sapling	3					
47	6112 - Lowland Aspen	Poletimber Well	13.5	53	111-140	N/A	former LO type, lots of beaver activity		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		90	Pole/Log	9	53	Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir		5	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling
White Pine		5	Log/XLog	14		Red Maple	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
48	4199 - Other Mixed Upland Deciduous	Poletimber Well	12.5	57	51-80	N/A	Stand was sold on contract 41-028-06-01, Lost Stands 2. It was a mutual decision between purchaser and DNR tonot harvest this stand. Access to stand is across a beaver dam/marsh area.																																									
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49	42200 - Natural White Pine	Poletimber Well	28.4	73	81-110	N/A	former grass opening																																									
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50	4133 - Aspen, Mixed Pine	Sapling Medium	25.3	5	1-50	N/A	former grass stand. An FTP was written for this stand for opening maintenance, but cancelled. [5/15/21 TI] Stand was cut as part of Black Bear Pine Sale #41-012-16. TCR Date 11/12/20																																									
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51	429 - Mixed Upland Conifers	Sawtimber Well	20.3	115	111-140	N/A	Stand was set up in 1996 but never cut. WLD wanted to wait until aspen became merchantable.																																									
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52	42200 - Natural White Pine	Sawtimber Well	31.3	81	51-80	N/A	[5/15/21 TI] Stand was cut as part of Black Bear Pine Sale #41-012-16. TCR Date is 11/20/21.																																									
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53	6221 - Fen	Nonstocked	484.1		Unspecified	No																																										
54	500 - Water	Nonstocked	2.9			No																																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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55 500 - Water Nonstocked 1.7 No

56 42220 - Natural Jack Pine Poletimber Well 15.3 51 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Log/Pole	10		Balsam Fir	Medium	5 - 10 feet	Sapling
Jack Pine	60	Pole	9	51	White Pine	Medium	10 - 20 feet	Sapling
Red Pine	5	Pole	9		Red Pine	Low	5 - 10 feet	Sapling
Quaking Aspen	15	Pole	9		Jack Pine	Medium	10 - 20 feet	Sapling
White Pine	15	Log/Pole	12					

57 4134 - Aspen, Spruce/Fir Poletimber Well 24.1 33 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	55	Pole/Sapling	5	33	Balsam Fir	Medium	5 - 10 feet	Sapling
Red Maple	10	Pole/Sapling	5					
Balsam Fir	25	Pole/Sapling	5					
Black Cherry	10	Pole/Sapling	5					

58 622 - Lowland Shrub Nonstocked 7.8 No

59 6127 - Lowland Pine Sawtimber Well 26.2 90 111-140 N/A

[1/24/2022 TI] Stand was not cut as part of Lots Bugs Sale. TCR Date 12/9/2021. Canopy percentages obtained from actual cruise data.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	40	Log	14	90	Black Spruce	Medium	5 - 10 feet	Sapling
Quaking Aspen	3	Pole	9		Red Maple	Low	5 - 10 feet	Sapling
Red Maple	3	Pole	9		Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce	36	Pole	8					
Paper Birch	3	Pole	9					
White Pine	15	Log	14					

60 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 13.6 41 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	20	Sapling/Pole	4		Black Spruce	Medium	5 - 10 feet	Sapling
Jack Pine	25	Pole/Sapling	5	41	Balsam Fir	Medium	5 - 10 feet	Sapling
White Pine	15	Pole	6		Red Maple	Low	10 - 20 feet	Sapling
Red Maple	10	Sapling/Pole	4					
Quaking Aspen	20	Pole/Sapling	5	41				
Balsam Fir	10	Sapling/Pole	4					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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61 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 32.3 48 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	30	Pole/Sapling	7	48	Sugar Maple	Medium	5 - 10 feet	Sapling
Balsam Fir	15	Sapling/Pole	4		Balsam Fir	Medium	5 - 10 feet	Sapling
Sugar Maple	15	Pole/Sapling	5		Red Maple	Medium	10 - 20 feet	Sapling
Red Maple	30	Pole/Sapling	6	48				
White Pine	10	Log/Pole	11					

62 4119 - Mixed Northern Hardwoods Poletimber Well 7.6 80 81-110 N/A

[5/15/21 TI] Stand was cut as part of Black Bear Pine Sale #41-012-16. TCR Date is 11/12/21.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	7	Log/XLog	15		Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	11	Pole/Log	8	80	Sugar Maple	Medium	5 - 10 feet	Sapling
White Pine	13	Log/XLog	16		Red Maple	High	5 - 10 feet	Sapling
Balsam Fir	18	Pole	9		Beech	High	5 - 10 feet	Sapling
Sugar Maple	25	Pole/Log	9	80				
Hemlock	3	Log/XLog	16					
Yellow Birch	10	Pole/Log	9					
Black Cherry	13	Pole/Log	9					

63 4311 - Pine, Aspen Mix Poletimber Well 13.6 33 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Sapling/Pole	4		Balsam Fir	Low	5 - 10 feet	Sapling
Red Pine	15	Sapling/Pole	4		White Pine	Medium	5 - 10 feet	Sapling
Quaking Aspen	55	Pole/Sapling	5	33	Jack Pine	Low	5 - 10 feet	Sapling
Jack Pine	10	Pole/Sapling	5					
Balsam Fir	10	Sapling	3					

64 4134 - Aspen, Spruce/Fir Poletimber Well 14.9 33 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	4		Balsam Fir	Medium	5 - 10 feet	Sapling
Quaking Aspen	60	Pole/Sapling	5	33				
White Pine	5	Sapling	4					
Balsam Fir	20	Sapling	4					
Black Spruce	5	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
65	4112 - Maple, Beech, Cherry Association	Poletimber Well	33.9	90	111-140	N/A	harvested in 1972 and 1990.																																																
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66	4130 - Aspen	Sapling Well	15.8	25	1-50	N/A	TSI work was completed in 2000.																																																
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67	4113 - R.Maple, Conifer	Sawtimber Well	7.3	80	111-140	N/A																																																	
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68	6122 - Black Spruce	Poletimber Well	42.5	75	81-110	N/A	This stand was set up as part of the Lotsa Bugs Sale 41-11-16 but was left uncut and returned. Canopy percentages were taken from cruise.																																																
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69	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	9.1	63	81-110	N/A																																																	
70	623 - Emergent Wetland	Nonstocked	39.1			No																																																	
71	6122 - Black Spruce	Sapling Medium	17.6	45	1-50	N/A																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
72	6126 - Lowland Jack Pine	Poletimber Well	8.9	47	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		70	Pole/Sapling	6	47	Black Spruce	
Black Spruce		30	Pole/Sapling	5		Jack Pine	
						Density	
						Avg. Height	
						Size	
73	6122 - Black Spruce	Poletimber Well	7.5	75	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole	9		White Pine	
Black Spruce		70	Pole	8	75	Black Spruce	
Jack Pine		5	Pole	9			
Paper Birch		10	Pole	9			
White Pine		10	Log/XLog	16			
						Density	
						Avg. Height	
						Size	
74	6122 - Black Spruce	Poletimber Well	15.2	75	81-110	N/A	New stand added. poor site
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		5	Pole	9		Black Spruce	
Red Pine		5	Log/Pole	12			
White Pine		5	Log/Pole	12			
Black Spruce		85	Pole	8	75		
						Density	
						Avg. Height	
						Size	
75	6125 - Lowland Black Spruce, Jack Pine	Poletimber Medium	74.2	26	1-50	N/A	Stand was partially scarified in 1998. 1134 trees per acre following count.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		10	Sapling	3			
Tamarack		10	Sapling	3			
Red Pine		5	Log/Pole	12			
Jack Pine		40	Pole/Sapling	5	26		
White Pine		10	Sapling	3			
Black Spruce		25	Sapling	4			
						Density	
						Avg. Height	
						Size	
76	4112 - Maple, Beech, Cherry Association	Sapling Well	5.3	5	1-50	N/A	[5/15/21 TI] Stand was cut as part of the Black Bear Pine Sale #41-012-15. TCR Date 11/12/20.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		40	Sapling	1			
Black Cherry		50	Sapling	1	5		
White Pine		10	Sapling	1			
						Density	
						Avg. Height	
						Size	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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77 42260 - Natural Pine, Mixed Deciduous Poletimber Medium 4.6 50 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	20	Pole/Sap/Log	7		White Pine	Medium	10 - 20 feet	Sapling
Jack Pine	40	Pole/Sapling	6	50	Jack Pine	Medium	10 - 20 feet	Sapling
Red Pine	10	Pole/Log/Sap	9					
Black Cherry	15	Log/Pole	12					
Quaking Aspen	15	Pole/Sapling	6					

78 42290 - Natural Mixed Pine Sawtimber Well 16.4 81 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	10	Pole	7		White Pine	Medium	5 - 10 feet	Sapling
Black Cherry	5	Pole	7		Red Maple	Low	5 - 10 feet	Sapling
White Pine	50	Log/Pole/XLog	16	81	White Spruce	Medium	5 - 10 feet	Sapling
Jack Pine	10	Pole	8					
Red Pine	10	Log/XLog	14					
Quaking Aspen	10	Pole	9					
Red Maple	5	Pole	8					

80 4112 - Maple, Beech, Cherry Association Sawtimber Well 33.5 90 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	12	Log	12		Beech	Medium	5 - 10 feet	Sapling
Quaking Aspen	10	Pole	9		Red Maple	Medium	5 - 10 feet	Sapling
Beech	5	Log	14		Sugar Maple	Medium	5 - 10 feet	Sapling
Red Maple	63	Log	14	90				
Sugar Maple	5	Log	12	90				
Hemlock	5	Log	14					

Stand was thinned in 1990.

[1/24/2022 TI] Stand was not cut as part of Lots Bugs Sale. TCR Date 12/9/2021. This unit was turned back in. Canopy percentages are obtained from cruise volumes

84 42110 - Planted Red Pine Poletimber Well 5.1 59 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log/Pole	10		Red Maple	Medium	5 - 10 feet	Sapling
Red Pine	96	Pole	9	59	White Pine	Low	5 - 10 feet	Sapling
Black Cherry	2	Pole	8		Balsam Fir	Medium	5 - 10 feet	Sapling

Aspen was cut out of stand in 1991. Stand was cut in summer 2010 with sale 41-010-06-01, 19 creek red aspen. Residual basal areas from cruise was 110.[4/6/21 TI] Stand was cut as part of Unit 3 of Black Bear Pine Sale #41-012-16. TCR Date 11/12/20.