



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45105

Entry Year 2027

Acreage: 1,916

County: Mackinac

Management Area: St. Ignace Lake Plain

Stand Examiner: Nate Plato

Legal Description:

T43N-R6W Section 22 - 24, Moran Township.

Identified Planning Goals:

The compartment is located 5 ½ miles north of Brevort and 5 ½ miles south of Trout Lake on the Carp River Truck Trail, Caffey and Dells Mills Roads. The compartment is composed of a variety of lowland and upland types and species. The eastern half of the compartment is mostly upland types of red pine, aspen, upland brush and grassy openings. The western half of the compartment is mostly upland types of northern hardwood, aspen, upland brush and grassy openings. The lowland types are cedar, hemlock and mixed swamp conifers with some ponds and marsh areas. The Carp River flows through Section 24. The Carp River is designated as a wild and scenic in the stretch downstream on the Hiawatha National Forest. The South Branch of Carp River flows through Section 22 and the south west corner of Section 23. The red pine stands within the compartment are being managed according to the red pine management guidelines and other available resources. Some of the red pine will be final harvested to gain age class distribution in the red pine within the compartment and the surrounding lands. There will also be an intermediate red pine thinning and first thinning. Other treatments include multiple hardwood thinnings, a hemlock shelterwood and an aspen final harvest. The young red pine stands will be monitored for regeneration, release needs, and insect and disease infestations. The area is heavily used by recreationists.

Soil and topography:

The majority of the compartment is on the outwash plain and lake plains on level to undulating ground. The higher ground soils are mostly Wallace Sand with Paquin Sand, and Paquin-Finch complex on the ridges in the lowland areas. The transition areas have Spot-Finch Complex and Finch Sand. The lowland areas mostly have the Markey-Spot-Finch Complex with some higher transition areas to the Paquin Sand and Wallace Sand. The other lowland soil types are Markey and Carbondale Muck, Finch-Dawson-Pullup Complex, Leafriver Mucky Peat, Leafriver-Croswell-Wainola Complex, Dinkey Muck in the Carp River and flooded Entisols are intermixed along the South Branch of Carp River drainages.

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

The north, west and south sections surrounding the compartment are in state ownership. The sections to the east, northeast, and southeast are in federal ownership on the Hiawatha National Forest.

Unique Natural Features:

Potential for raptors and Great Blue Herons to nest in the compartment exists and care will be taken to check stands for nests and take appropriate management action to protect the species. Northern Fen has been identified in the compartment. Any management in the surrounding area will follow the MNFI recommendations to protect the integrity of the Northern Fen. There is a potential for some rare, threatened, and special concern plant and animal species to inhabit the compartment. Stands to be managed will be checked for species of concern. Management will be modified if species are found within those stands per management guidelines for that species.

Archeological, Historical, and Cultural Features:

Most of the red pine plantation in this and adjacent compartments were originally planted in the 1930's under the Civilian Conservation Corp program. The Carp River was used for river log drives in the early lumbering days.

Special Management Designations or Considerations:

The Carp River has undergone stream bank restoration projects to reduce the amount of siltation into the river from the sandbanks. Conifer will be encouraged within the aspen stands along the banks of the Carp River and South Branch of Carp River and tributaries to decrease the amount of beaver habitat along the river. Snowmobile and ORV trails will need to have specifications in the timber sale contracts to protect the trail and provide for safety precautions around the trails.

Watershed and Fisheries Considerations:

This compartment is within the Carp River watershed, and contains portions of the Carp River, the South Branch of the Carp River, and some unnamed tributaries to the South Branch. All of these streams are Michigan Designated Trout Streams. This watershed supports populations of resident brown trout and brook trout, as well as anadromous species

such as chinook salmon, pink salmon, coho salmon, and steelhead. Prescribed management activities are appropriate for the protection of these waterbodies.

Wildlife Habitat Considerations:

This compartment is part of the St. Ignace Lake Plain Management Area where featured wildlife species include American marten, American woodcock, black bear, blackburnian warbler, black-throated blue warbler, ruffed grouse, sharp-tailed grouse, snowshoe hare, and white-tailed deer. In the western part of the compartment, northern hardwood or maple-dominated stands are common followed by lowland conifers and aspen. Some hemlock stands are present, and hemlock is a component of some maple-dominated stands. Red pine plantations make up much of the eastern side of the compartment with aspen, mixed conifer, and jack pine stands being less common. Branches of the Carp River run through the compartment. Diversity will be maintained and encouraged in hardwoods by promoting young growth while maintaining some mature trees as well as structural and species diversity, including retaining and encouraging hemlock. The actions should benefit blackburnian warbler and black-throated blue warbler, although in varying locations. Final harvests in red pine and some other types in the vicinity will provide temporary openings that will benefit sharp-tailed grouse and other species that rely upon openings. As they regenerate, they will provide cover for snowshoe hare. Stream corridors and wetlands will be protected to maintain their integrity. Lowland conifer habitat will be retained and will provide cover for hare and other wildlife.

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 economic production of metallic minerals in this area. The closest known active aggregate operation is the Ozark Quarry, less two miles northeast, which produces crushed stone from bedrock dolostone and perhaps sand & gravel from thin overlying glacial drift. High-purity dolomite also exists beneath the compartment but is likely at a greater depth and, in conjunction with the more remote location of the compartment and prevalence of wetlands, potential for commercial development is considered minimal. 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:

This compartment has very good access except for the portion of Section 24 on the east side of the Carp River. No roads extend from the north into this portion of the compartment. The Ozark Creek is just on the east side of the Section 24 boundary. The area prescribed for management has a small volume of available products to remove. This will make harvesting these stands more difficult. The access from the Carp River Truck Trail, Caffey and Dells Mills Roads is very good which are all DNR roads. The Dells Mills Road is in good condition with some maintenance completed in the past except the western portion from the Caffey Road west across the section line. The road is drivable but is in need of grading and graveling. The Carp River Truck Trail and Caffey Road are in good shape except for the sandy areas of the roads in the very dry period in the summer. Periodic maintenance has been completed on both roads within the last 5 years with timber sale contract work and road and bridge funding on the south end of the Carp River Truck Trail. The two tracks are in good shape most of time with a few water holes - these should remain open.

Survey Needs:

No new survey projects are required for this compartment with adequate corners present.

Recreational Facilities and Opportunities:

The Carp River Truck Trail, Dells Mills Road, and Caffey Road are used as snowmobile trails and part of the ORV trail runs on the Caffey and Dells Mills Roads. The compartment is heavily used for all types of recreational activities including motorized vehicle use, fishing, hunting, trapping, berry picking and nature viewing.

Fire Protection:

The eastern half of the compartment has a potential for a moderate to higher intensity fire in the red pine area. The Thunder Alley Fire burned in 1999 through a portion of the compartment to the north. The west portion has lower fire intensity potential with the hardwood stands and lowlands. The problem of ground fire does exist in this portion of the compartment.

Additional Compartment Information:

None.

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

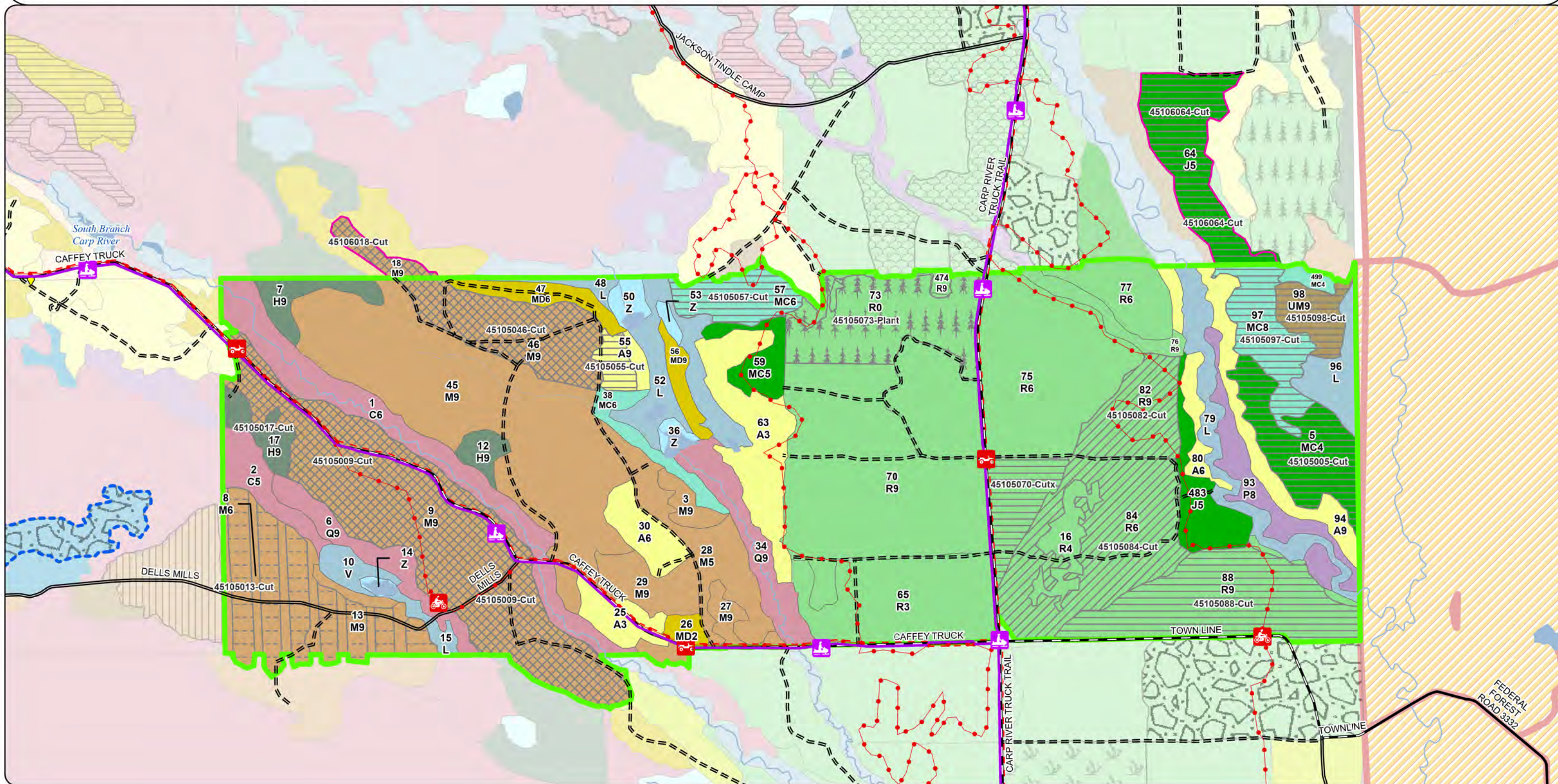


Compartment: 45105
T43N, R06W, Sec: 22-24
County: Mackinac
Unit: Sault Ste. Marie
Mgmt. Area: St. Ignace Lake Plain
YOE: 2027
Acres: 1,916 GIS Calculated
Examiner: Nate Plato
Date Exported: 07/21/2025
Map Phase: Web Post

0 0.5 1 Miles

- Survey Grade Corners
- Designated Motorcycle Trails
- Designated ORV Routes
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Clearcut
- Selection
- Shelterwood
- Thinning
- Overstory Removal

- Planting (tree species)
- Clearcut (Outside Compartment)
- Selection (Outside Compartment)
- Treatments with Site Conditions
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 622 - Lowland Shrub



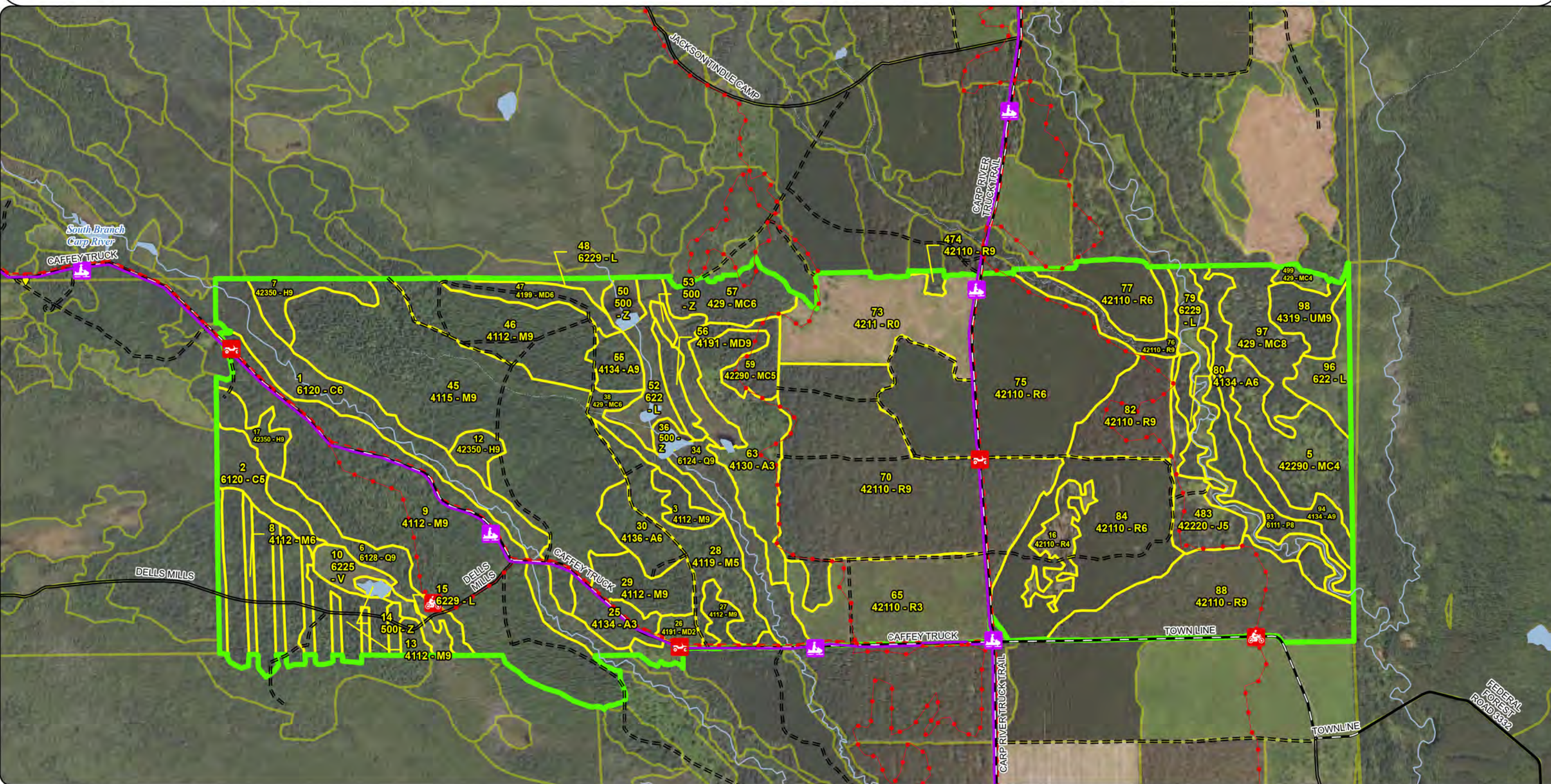
Stand Boundary Map



Compartment: 45105
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- Survey Grade Corners
- Designated Motorcycle Trails
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Special Conservation Areas & Site Conditions Map



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0 0.5 1 Miles



Survey Grade Corners



Designated Motorcycle Trails



Designated ORV Routes



DNR - Primary Forest Road



DNR - Secondary Forest Road

=== DNR - Forest Access Route

— Federal / State / County - Paved Road

- - - Intermittent Stream

— Perennial River

— Lakes and Rivers

--- Counties

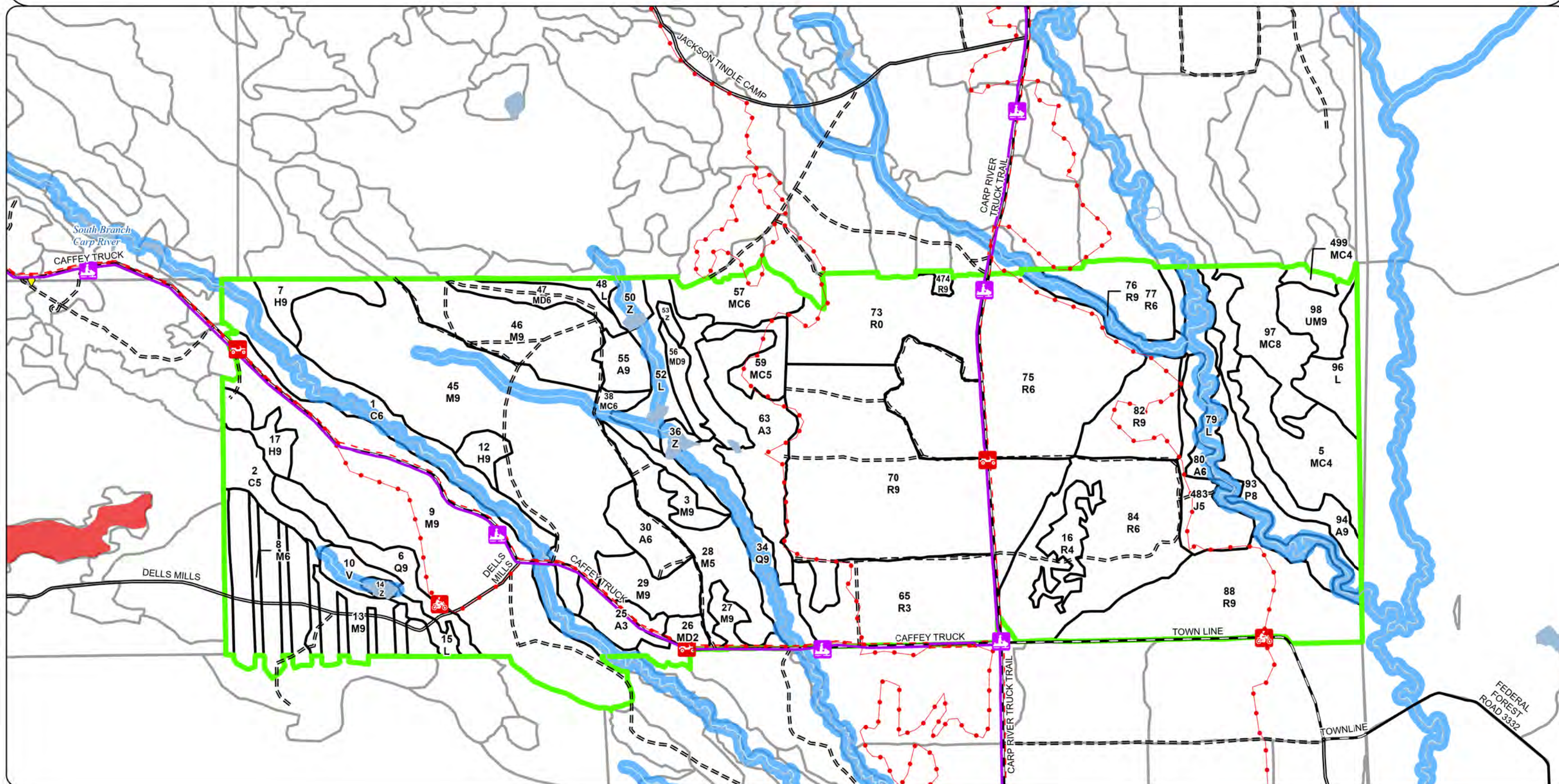
— Compartment Boundary

— Stand Boundaries

— Ecological Reference Areas

— Cold Water Streams

— High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class

Nate Plato: Examiner



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	61	17	0	0	13	12	28	0	0	0	0	0	0	0	0	0	131
Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	64	18	0	0	0	0	82
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	0	34
Jack Pine	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	27
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	29	0	0	24	0	0	0	0	53
Lowland Shrub	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	95
Mixed Upland Deciduous	0	0	0	5	0	14	0	0	0	0	9	0	0	0	0	0	0	0	27
Natural Mixed Pines	0	0	0	0	0	0	43	15	0	0	0	0	0	0	0	0	0	0	57
Northern Hardwood	0	0	0	0	0	28	42	0	0	21	251	52	176	0	0	0	0	0	570
Red Pine	67	0	70	160	104	0	0	34	0	267	0	0	0	0	0	0	0	0	702
Upland Conifers	0	0	0	0	13	4	0	33	0	24	0	0	0	0	0	0	0	0	74
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Water	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Total	187	0	131	182	117	68	98	94	28	329	316	52	240	42	0	0	34	0	1916



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit

Year of Entry: 2027

Acres of Harvest

Compartment 105

Total Compartment Acres: 1,916

Commercial Harvest - 3058
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	8	0	0	0	0	0	0	0	0	8
Hemlock	0	0	0	0	12	0	0	0	0	12
Natural Mixed Pines	43	0	0	0	0	0	0	0	0	43
Northern Hardwood	0	222	0	0	0	0	61	0	0	284
Red Pine	107	0	0	0	0	122	0	0	0	229
Upland Conifers	57	0	0	0	0	0	0	0	0	57
Upland Mixed Forest	17	0	0	0	0	0	0	0	0	17
Total	233	222	0	0	12	122	61	0	0	651

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	651	0	62	0	0	0	0	0	0	713
Next Step	0	402	697	0	82	565	1011	0	0	2783
Total	651	402	760	0	82	565	1011	0	0	3496



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:

5	45105005-Cut	43.2	42290 - Natural Mixed Pine	4	59	1-50	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	No
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Prescription Harvest all trees over 2" DBH. Leave appropriate amount of retention in one or multiple patches.

Specs:

Next Step SitePrep, Trenching; Planting, Trenched Plant; Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen;

Treatments: Planting, Trenched Supplemental Plant; Planting, Interplant; SitePrep, Scarification; Monitoring, Natural Rege

Acceptable Jack pine, white pine, aspen, red maple, spruce, fir.

Regen:

Other If natural jack regeneration fails, move to planted jack pine.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

9	45105009-Cut	170.4	4112 - Maple, Beech, Cherry Association	9	94	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Thin stand to an average residual BA of 50-60 focusing on large, overmature stems. Leave all hemlock except for operational purposes.

Specs: Also leave any healthy, resistant beech. Promote maple regeneration by expanding existing gaps where adequate regener

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Maple, cherry, birch, aspen, basswood.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

13	45105013-Cut	61.2	4112 - Maple, Beech, Cherry Association	9	99	81-110	Harvest	Overstory Removal	411 - Northern Hardwood	Planting Record	No
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Prescription Harvest all stems over 2" DBH. Leave any healthy resistant beech. Also leave 2-3 representative, healthy maple crop trees per strip.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Maple, cherry, birch, aspen, basswood.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026



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
17	45105017-Cut	12.0	42350 - Upland Hemlock	9	162	141- 170	Harvest	Shelterwood	4312 - Hemlock, Mixed Deciduous	Cutting Record	No
<u>Prescription</u> Mark stand down to a residual of 40-60 BA. In areas of denser hemlock and white pine, leave residual on the higher side of the range. In <u>Specs:</u> areas containing lower quality hardwoods and conifers, leave residual on the lower end of the range. Preferred resi <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Hemlock, white pine, birch, maple, spruce, cedar, aspen, cherry. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
46	45105046-Cut	52.0	4112 - Maple, Beech, Cherry Association	9	107	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin stand to an average residual BA of 50-60 focusing on large, overmature stems. Leave all hemlock except for operational purposes. <u>Specs:</u> Also leave any healthy, resistant beech. Promote maple regeneration by expanding existing gaps where adequate regenera <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Maple, cherry, birch, aspen, basswood. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
55	45105055-Cut	8.0	4134 - Aspen, Spruce/Fir	9	62	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Harvest all species over 2" DBH. Buffer tributary of South Branch Carp 300ft per fisheries biologist's instructions. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, maple, cherry, birch, fir, spruce, pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
57	45105057-Cut	24.2	429 - Mixed Upland Conifers	6	84	81-110	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Harvest all deciduous trees over 2" DBH and all conifers over 4" DBH. Leave 8-10 scattered white or red pine as available throughout the <u>Specs:</u> stand. Place appropriate amount of retention in one or multiple patches, preferably in east and/or south parts of st <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, maple, cherry, birch, spruce, fir, pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



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
70	45105070-Cutx	25.7	42110 - Planted Red Pine	9	88	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Harvest all trees down to 1" DBH. No retention due to aerial spraying logistics and safety. <u>Specs:</u> <u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Trenched Plant; Monitoring, Artificial Regen; <u>Treatments:</u> Monitoring, Artificial Regen; Planting, Unfurrowed; NonCommCut, Brush Saw Release; Planting, Interplant; <u>Acceptable</u> Planted red pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
82	45105082-Cut	34.1	42110 - Planted Red Pine	9	61	141- 170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin stand from above to an average residual BA of 120. Target poor form and larger trees most likely to be out of mill size class before <u>Specs:</u> future final harvest. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Planted red pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
84	45105084-Cut	87.6	42110 - Planted Red Pine	6	31	141- 170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Harvest every third row of pine plantation. First row harvested must be two rows in from edge of plantation. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> N/A <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
88	45105088-Cut	81.7	42110 - Planted Red Pine	9	88	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Harvest all trees down to 1" DBH. Buffer Carp River 150ft per fisheries biologist's instructions. <u>Specs:</u> <u>Next Step</u> SitePrep, Trenching; SitePrep, Roller Chopping; Planting, Initial Plant; Pesticide, Aerial - Site Prep; Monitoring, Artificial Regen; <u>Treatments:</u> Monitoring, Artificial Regen (3yr); Pesticide, Skidder - Site Prep; Planting, Unfurrowed; Pesticide, Aeri <u>Acceptable</u> Planted red pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



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
97	45105097-Cut	33.2	429 - Mixed Upland Conifers	8	65	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	No
<u>Prescription</u> Harvest all trees over 2" DBH. Leave appropriate amount of retention in one or multiple patches. <u>Specs:</u> <u>Next Step</u> SitePrep, Trenching; Planting, Trenched Plant; Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen; <u>Treatments:</u> Planting, Trenched Supplemental Plant; Planting, Interplant; SitePrep, Scarification; Monitoring, Natural Rege <u>Acceptable</u> Jack pine, white pine, aspen, red maple, spruce, fir. <u>Regen:</u> <u>Other</u> If natural jack regeneration fails, move to planted jack pine. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
98	45105098-Cut	17.4	4319 - Mixed Upland Forest	9	81	111- 140	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	No
<u>Prescription</u> Harvest all trees over 2" DBH. Leave appropriate amount of retention in one or multiple patches. <u>Specs:</u> <u>Next Step</u> SitePrep, Trenching; Planting, Trenched Plant; Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen; <u>Treatments:</u> Planting, Trenched Supplemental Plant; Planting, Interplant; SitePrep, Scarification; Monitoring, Natural Rege <u>Acceptable</u> Jack pine, white pine, aspen, red maple, spruce, fir. <u>Regen:</u> <u>Other</u> If natural jack regeneration fails, move to planted jack pine. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
18	45106018-Cut	8.9	4119 - Mixed Northern Hardwoods	9	103	51-80	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin stand to an average residual BA of 50-60 focusing on large, overmature stems. Leave all hemlock except for operational purposes. <u>Specs:</u> Also leave any healthy, resistant beech. Promote maple regeneration by expanding existing gaps where adequate regenera <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Maple, cherry, birch, aspen, basswood. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
64	45106064-Cut	49.6	42220 - Natural Jack Pine	5	41	Unspec ified	Harvest	Clearcut	4222 - Natural Jack Pine	Planting Record	No
<u>Prescription</u> Harvest all trees over 2" DBH. Leave appropriate amount of retention in one or multiple patches. <u>Specs:</u> <u>Next Step</u> SitePrep, Trenching; Planting, Trenched Plant; Planting, Unfurrowed; Monitoring, Artificial Regen; Monitoring, Artificial Regen; <u>Treatments:</u> Planting, Trenched Supplemental Plant; Planting, Interplant; SitePrep, Scarification; Monitoring, Natural Rege <u>Acceptable</u> Jack pine, white pine, aspen, red maple, spruce, fir. <u>Regen:</u> <u>Other</u> If natural jack regeneration fails, move to planted jack pine. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



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Approved Treatments:

73	45105073- Plant	62.3	4211 - Planted Red Pine	0	1	Immatur e	Planting		4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> Monitoring, Herbicide Use; Monitoring, Artificial Regen (3yr); Pesticide, Skidder - Release; Pesticide, Aerial - Release; ; ; Pesticide, <u>Treatments:</u> Skidder - Site Prep; Monitoring, Artificial Regen <u>Acceptable</u> Red Pine <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024											

Total Treatment 771.5
Acreage Proposed:



Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions			
				5C	3A	3J	5E
122	78	0	44	Aspen		44	
9	0	0	9	Bog	9		
81	18	0	64	Cedar		64	
34	34	0	0	Hemlock			
8	0	0	8	Jack Pine		8	
27	0	0	27	Lowland Aspen/Balsam Poplar		27	
52	24	0	29	Lowland Conifers		29	
95	64	0	31	Lowland Shrub		31	
28	28	0	0	Mixed Upland Deciduous			
58	58	0	0	Natural Mixed Pines			
571	571	0	0	Northern Hardwood			
670	518	138	14	Red Pine	138	12	2
75	75	0	0	Upland Conifers			
17	17	0	0	Upland Mixed Forest			
16	14	0	2	Water	2		
1,862	1,497	138	227	Total Forested Acres	138	213	2
	80%	7%	12%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	29	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
Carp river buffer of 150ft per fisheries biologist's instructions.								

Report 4 – Site Conditions



3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	118	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Buffer tributary of South Branch Carp 300ft per fisheries biologist's instructions.							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	138	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	64	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Monitor for SBW							
15	Unavailable	3A: Conservation values incompatible with harvest at this time	11	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
Comments				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	6120 - Lowland Cedar	Poletimber Well	63.6	114	81-110	N/A	2017 YOE: South Branch of the Carp River flows through the stand.2027 YOE: Same as last entry. Riparian area with swamp conifer on edges. Tag alder along stream corridor.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack		5	Seedling	7		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
Northern White Cedar		55		8	114	Conifers		Medium	Variable	Variable
Yellow Birch		5		10						
Red Maple		5		10						
White Spruce		5	Seedling	8						
Balsam Fir		10	Seedling	6						
Hemlock		15		12						
2	6120 - Lowland Cedar	Poletimber Medium	17.6	120	51-80	N/A	2017 YOE: Very wet, poor quality stand of mainly cedar. 1 to 2 sticks. Small stream runs thru the stand to the bog and pond. Tamarack and black spruce are mixed in and some areas are more open.2027 YOE: Same last entry. Mortality present throughout stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack		10	Sapling	5		Northern White Cedar		Low	Variable	Variable
Black Spruce		10	Sapling	5		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
Northern White Cedar		80	Seedling	6	120					
3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	8.0	96	51-80	N/A	2017 YOE: Stand was thinned last entry. More cherry regeneration in the open spots. 2027 YOE: Thinned in 2011 as part of the Go Go Hardwoods (45-115-07) timber sale. Heavy to red maple. Good amount of regen present, but most is browsed. Scattered cherry throughout stand. Clumps of higher stocking present throughout stand. Mange with stand 27.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		80		11	96	Black Cherry		Medium	Variable	Variable
Black Cherry		10		8		Sugar Maple		Medium	Variable	Variable
Beech		5		12		Red Maple		High	Variable	Variable
Sugar Maple		5		10		Beech		Low	Variable	Variable
5	42290 - Natural Mixed Pine	Poletimber Poor	43.2	59	1-50	N/A	2017 YOE: Stand is filling in with spruce, jack pine, red pine, white pine and aspen. Lots of old burnt stumps.2027 YOE: Mix of upland conifers mixed with some aspen and cherry. Patchy stand. Mix of openings surrounded by fully stocked patches of various conifers. Conifer regen is starting to fill in openings.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		10		10		Jack Pine		Medium	Variable	Variable
White Spruce		15		10		Aspen (spp.)		Low	Variable	Variable
Jack Pine		50	Seedling	8	59	Conifers		Medium	Variable	Variable
Black Cherry		5	Sapling	5						
Balsam Fir		10	Sapling	5						
Red Pine		5	Sapling	7						
Quaking Aspen		5	Seedling	6						
6	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	23.5	120	111-140	N/A		2017 YOE: Very wet, poor quality stand of mainly cedar. 1 to 2 sticks. Small stream runs thru the stand to the bog and pond. Tamarack and black spruce are mixed in and some areas are more open.2027 YOE: Nice mixed cedar/hemlock stand mixed with maple and birch. Mostly log sized stems, but all size classes present. Wettest in western part of stand and lower BA. Abundant maple and birch in gaps where windfalls present. Hemlock regen present in gaps.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Northern White Cedar		35		10	120	Hemlock	Medium		Variable	Variable
Paper Birch		8		10		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
White Pine		5		16		Birch (spp.)	Medium		Variable	Variable
Hemlock		25		14		Maple (spp.)	High		Variable	Variable
Red Maple		22		11		Northern White Cedar	Low		Variable	Variable



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																							
7	42350 - Upland Hemlock	Sawtimber Well	14.1	162	141-170	N/A	2017 YOЕ: Nice hemlock stand with a variety of species. Pretty nice hemlock regeneration.2027 YOЕ: Same as last entry. Maple and birch mixed in throughout stand. Scattered wet swales throughout stand. Hemlock regen present throughout stand, but needs release. Mostly present in gaps/lesser stocked areas.																																																																							
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8	4112 - Maple, Beech, Cherry Association	Poletimber Well	28.0	44	51-80	N/A	2017 YOЕ: Extremely dense mixed hardwood stand.2027 YOЕ: Cut in 2011 as part of Go Go Hardwoods (45-115-07). Fully stocked mix of northern hardwood saplings/immature poles from previous strip cuts.																																																																							
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9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	170.4	94	111-140	N/A	2017 YOЕ: Stand was harvested last entry. Basal area ranges from 50 to 90. Lots of regeneration.2027 YOЕ: Thinned in 2011 as part of the Pounding II Hardwood (45-118-07) timber sale. Medium quality hardwood stand with red maple being dominant. Maple regen throughout stand, but best in lesser stocked areas. Fir understory present in dense patches throughout stand. Hemlock scattered throughout stand. Moderate deer browse present throughout stand.																																																																							
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10	6225 - Bog	None	8.9			No	2017 YOЕ: OPIC - FMD: Beaver pond is to the south east end. See locked box comments.2027 YOЕ: Bog and marsh species present.																																																																							
12	42350 - Upland Hemlock	Sawtimber Well	7.6	162	171-200	N/A	2017 YOЕ: Nice hemlock stand with a variety of species. Pretty nice hemlock regeneration.2027 YOЕ: Same as lastly. Birch, cherry and some white pine mixed in. Scattered wet swales throughout stand. Hemlock regen present in patches throughout stand. Needs to be released.																																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
26	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	5.2	23	1-50	N/A	2017 YOE: Nice young aspen stand. Regeneration has filled in nicely since last entry.2027 YOE: Poor to medium stocked mix of cherry, aspen, spruce and fir. Cherry saplings starting to fill in poorly stocked areas.																																																															
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27	4112 - Maple, Beech, Cherry Association	Sawtimber Well	8.0	96	51-80	N/A	2017 YOE: Stand was thinned last entry. More cherry regeneration in the open spots. 2027 YOE: Thinned in 2011 as part of the Go Go Hardwoods (45-115-07) timber sale. Heavy to red maple. Good amount of regen present, but most is browsed. Scattered cherry throughout stand. Clumps of higher stocking present throughout stand. Manage with stand 3.																																																															
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28	4119 - Mixed Northern Hardwoods	Poletimber Medium	42.0	52	1-50	N/A	2017 YOE: An old opening that is filling in with trees. 2027 YOE: Poorly stocked mix of maple, cherry, spruce and fir. Some aspen and birch mixed in throughout stand. Regen of all species present. Some pockets of better stocking present p.																																																															
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29	4112 - Maple, Beech, Cherry Association	Sawtimber Well	21.1	87	51-80	N/A	2017 YOE: Stand was shelter wood cut last entry. Tons of regeneration. 2027 YOE: Thinned in 2011 as part of the Pounding II Hardwood (45-118-07) timber sale. Variable BA, but averaging 50-60. Clumps of maple and fir with excellent regen in between. Heavy to beech in spots. Many of the red maple stems are overmature and/or poor quality.																																																															
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30	4136 - Aspen, Mixed Conifer	Poletimber Well	16.9	23	1-50	N/A	2017 YOE: Nice regeneration.2027 YOE: Large sapling/small pole size aspen, cherry and maple. Scattered, mature white in overstory.																																																															
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47	4199 - Other Mixed Upland Deciduous	Poletimber Well	14.2	46	51-80	N/A	2017 YOE: Real nice regeneration within the stand. Few low areas but mostly upland type and a few more open areas. Cut in 1983.2027 YOE: Nice mixed pole stand consisting of birch, cherry and maple. Heavy to spruce/fir in eastern part of stand.																																																						
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48	6229 - Mixed Lowland Shrub	None	5.1			No	2017 YOE: OPIC - FMD: OI Stand Year Origin was 2027 YOE: Open lowland stand consisting mostly of tag alder and marsh grass. A couple small patches of poor quality swamp conifer. Very wet.																																																						
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50	500 - Water	None	7.2			No	2017 YOE: OPIC - FMD: small pond with beaver activity.2027 YOE: Same as last entry.																																																						
52	622 - Lowland Shrub	None	34.2	Immature		No	2017 YOE: OPIC - FMD: OI Stand Year Origin was 2027 YOE: Wet marsh with tag alder and scattered, stunted swamp conifer.																																																						
			<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Tamarack</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Paper Birch</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Northern White Cedar</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Tamarack	Low	Variable	Variable	Paper Birch	Low	Variable	Variable	Northern White Cedar	Low	Variable	Variable	Black Spruce	Low	Variable	Variable																																				
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53	500 - Water	None	2.3			No	2017 YOE: OPIC - FMD: small pond with beaver activity.2027 YOE: Same as last entry.																																																						
55	4134 - Aspen, Spruce/Fir	Sawtimber Well	11.5	62	81-110	N/A	2017 YOE: OPIC - FMD: Opening which has been filling in with cherry, aspen, balsam fir and maple.2027 YOE: Mature mix of aspen, maple and spruce/fir. Maple and cherry regen present in lesser stocked areas.																																																						
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56	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	8.5	95	81-110	N/A	2017 YOE: OPIC - FMD: A small ridge surrounded by lowland brush and beaver ponds. Will leave the stand for the BMP concerns with the wetland surrounding the stand. 2027 YOE: Same as last entry. Somewhat upland mix. No access to stand.																																																						
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57	429 - Mixed Upland Conifers	Poletimber Well	24.2	84	81-110	N/A	2017 YOE: Mackinac mix with some red and white pine and open areas within the stand. Hold for 10 years to allow adjacent stand to north that is scheduled for harvested to regenerate.2027 YOE: Variable stand. Mix of spruce, aspen, fir, pine and birch. Some wet areas throughout stand, especially near southern part of stand. Most spruce is mature.																																																																	
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59	42290 - Natural Mixed Pine	Poletimber Medium	14.5	62	1-50	N/A	2017 YOE: Opening which has been filling in with trees. 2027 YOE: Mature jack pine, spruce and some white pine in clumps. Remainder of stand is open or filling in with fir, spruce, birch, cherry and maple. Some red and jack pine regen present.																																																																	
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Balsam Fir	10	Seedling	6																																																																					
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Pines (spp.)	Medium	Variable	Variable																																																																					
Balsam Fir	Medium	Variable	Variable																																																																					
63	4130 - Aspen	Sapling Well	46.2	14	Immature	N/A	2017 YOE: Regeneration is doing great. A few larger trees per acre were left during the harvest. 2027 YOE: Thinned in 2011 as part of the Go Go Hardwoods (45-115-07) timber sale. Same as last last entry. Aspen is slightly larger than other trees. Excellent sticking throughout most of stand except for a few small gaps.																																																																	
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>60</td><td>Log</td><td>3</td><td>14</td></tr><tr><td>White Spruce</td><td>5</td><td>Log</td><td>2</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Log</td><td>2</td><td></td></tr><tr><td>Black Cherry</td><td>10</td><td>Log</td><td>2</td><td></td></tr><tr><td>Paper Birch</td><td>5</td><td>Log</td><td>2</td><td></td></tr><tr><td>Balsam Fir</td><td>10</td><td>Log</td><td>2</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	60	Log	3	14	White Spruce	5	Log	2		Red Maple	10	Log	2		Black Cherry	10	Log	2		Paper Birch	5	Log	2		Balsam Fir	10	Log	2		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Maple (spp.)</td><td>Medium</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	< 5 feet	< 5 feet	Maple (spp.)	Medium	< 5 feet	< 5 feet																					
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65	42110 - Planted Red Pine	Sapling Well	70.3	11	Immature	N/A	2017 YOE: ORV trail runs thru the stand. Stand was planted in 2014. 3rd year regen check done. Looks great. Sprayed 9/13/2020 2027 YOE: Red pine is doing very well and has consistent stocking throughout stand aside from a couple small cherry pockets. Trees are averaging 2" DBH and 8-10ft tall.																																																																	
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>95</td><td>Log</td><td>2</td><td>11</td></tr><tr><td>Black Cherry</td><td>5</td><td>Log</td><td>2</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	95	Log	2	11	Black Cherry	5	Log	2																																																								
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70	42110 - Planted Red Pine	Sawtimber Well	169.2	88	111-140	N/A	2017 YOE: Thinned to around 120BA in 2019 in Timber Chicken Attacks (45-111-17); TCR Date: 10/20/20202027 YOE: Nice red pine plantation with average BA of 110-120. Average diameter of 13-14". Clean understory except for sporadic clumps of beech. Ready for final harvest.																																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
73	4211 - Planted Red Pine	Unspecified	67.0	1	Immature		TCR Date 10/20/2020; Stand cut in October 2020(Unit 1), August 2020 (Unit 2), and October 2019 (Unit 3). Timber Chicken Attacks 45-111-17. Trenched on 07/23/2023. Aerial site prep sprayed on 07/09/20242027 YO: Site to be planted in spring 2025.																																													
75	42110 - Planted Red Pine	Poletimber Well	133.9	23	81-110	N/A	2017 YO: Monitor for release and pests.2027 YO: Small pole sized red pine plantation. Consistent BA and diameter throughout stand. Some jack pine mixed in. Check for first thinning next entry.																																													
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76	42110 - Planted Red Pine	Sawtimber Well	11.6	88	141-170	N/A	2017 YO: Buffer along drainage to the Carp River.2027 YO: Over mature, log size red pine leftover from adjacent plantation. Drainage is less than 2ft wide and dry as of October 2024. Look at thinning stand.																																													
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Pine</td><td>100</td><td></td><td>16</td><td>88</td><td>Conifers</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>						Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	100		16	88	Conifers	Low	Variable	Variable																												
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77	42110 - Planted Red Pine	Poletimber Well	25.6	23	111-140	N/A	2017 YO: Monitor for release and pests.2027 YO: Nice red pine plantation. Fully stocked throughout most of stand. Most stems are 5-6" DBH and 2 sticks tall. Check next entry for first thinning.																																													
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79	6229 - Mixed Lowland Shrub	None	31.2			No	2017 YO: OPIC - FMD: Carp River cooridor with mostly brush and some aspen clones.2027 YO: Same as last as st entry.																																													
80	4134 - Aspen, Spruce/Fir	Poletimber Well	12.9	55	111-140	N/A	2017 YO: Buffer for the Carp River and is down into the floodplain.2027 YO: Nice aspen/spruce/fir stand.																																													
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82	42110 - Planted Red Pine	Sawtimber Well	34.1	61	141-170	N/A	2017 YO: This stand was thinned last entry. Look at another thinning in ten years.2027 YO: Large pole/small log sized red pine plantation. BA variable in areas, but averaging 140+. Some areas of lower BA most likely due to mortality and heavier thinning two entries ago. Ready for next thinning.																																													
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84	42110 - Planted Red Pine	Poletimber Well	87.6	31	141-170	N/A	2017 YO: OPIC - FMD: Harvested in 1992 on Dells Mills Pine II. Site was burned in 1992 and was planted in 1993 and 1994. Some replanting in 1997 by hand planting. Good red pine of 5 to 10 feet tall. May check for red head sawfly problems.2027 YO: Fully stocked red pine plantation. High BA is consistent throughout stand but diameters are variable. Overall a pole stand almost ready for a first thinning.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
88	42110 - Planted Red Pine	Sawtimber Well	84.2	88	111-140	N/A	2017 YOE: Thin to 140 basal area. ORV trail runs thru the stand. Small pocket of aspen in the east end of stand. timber sale 45-112-17 cut in 7/182027 YOE: Nice pine stand with average BA of 120-130. Higher in spots. Average diameter of 14" with larger stems present. Competition is minimal throughout stand except for isolated patches of beech and maple. Ready for final harvest.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	5	Seedling	8		Beech	Low		5 - 10 feet	5 - 10 feet
Red Pine	95		14	88	Maple (spp.)	Low		5 - 10 feet	5 - 10 feet
93	6111 - Lowland Balsam Poplar	Sawtimber Medium	26.7	95	51-80	N/A	2017 YOE : This is a stand of flood plain aspen/balsam poplar. Stand is open in some areas with good aspen regen. Ground is soft.2027 YOE: Same as last entry. Frequent aspen/bam mortality.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	45		10	95	Conifers	Low		< 5 feet	< 5 feet
Balsam Poplar	45		10		Aspen (spp.)	Medium		Variable	Variable
White Spruce	5		10						
Red Maple	5		9						
94	4134 - Aspen, Spruce/Fir	Sawtimber Well	27.5	77	81-110	N/A	2017 YOE: This is a transitional stand located on the slope down to the flood plain of the Carp River. It has mature aspen with balsam and spruce. Stand could use some treatment. 2027 YOE: Same as last entry. Most of stand is overmature, large diameter aspen and spruce mixed with mature balsam.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	45		14	77	Balsam Fir	Medium		Variable	Variable
Balsam Fir	25		12		White Spruce	Low		Variable	Variable
White Spruce	15		14		Aspen (spp.)	Low		Variable	Variable
Balsam Poplar	10		13						
Paper Birch	5		10						
96	622 - Lowland Shrub	None	18.7			No	2017 YOE: OPIC - FMD: Beaver flooded stand filling in with tag alder.2027 YOE: Same as last entry. Some scattered swamp conifer and bam throughout stand.		
97	429 - Mixed Upland Conifers	Sawtimber Medium	33.2	65	51-80	N/A	2017 YOE: Opening which is filling in with white pine, jack pine, spruce, balsam fir, aspen and red maple. Few wet area and some areas are open.2027 YOE: Similar to last entry. Variable stand in size, density and composition. Patches of mature jack pine and aspen surrounded by areas of smaller pole size spruce/fir. Aspen regen in larger openings. Smaller diameters in northern part of stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Jack Pine	25		11	65	Aspen (spp.)	Low		10 - 20 feet	10 - 20 feet
Balsam Fir	15	Seedling	7		Conifers	Medium		Variable	Variable
White Spruce	25		9						
Quaking Aspen	25		9						
White Pine	10		10						
98	4319 - Mixed Upland Forest	Sawtimber Well	17.4	81	111-140	N/A	2017 YOE: This is a mixed stand with both high and low ground. The further east you go the wetter it gets. The southern portion of the stand is dominated by aspen, fir and spruce with ferns in the understory. The northern potion of the stand is dominated by spruce, white pine, fir and aspen with moss covering the ground. Most of the stand has small diameter poor quality trees.2027 YOE: Pretty much the same as last entry. Many stems ate mature, especially aspen and spruce. Aspen is somewhat patchy throughout stand. Good stocking throughout most of stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Spruce	20		10		Maple (spp.)	Medium		Variable	Variable
Red Maple	5		9		White Spruce	Medium		Variable	Variable
Quaking Aspen	45		10	81	Balsam Fir	Medium		Variable	Variable
Balsam Fir	20	Seedling	8						
White Pine	10		12						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
474	42110 - Planted Red Pine	Sawtimber Well	2.2	88	81-110	N/A	2017 YOE: OPIC - FMD: Small grassy opening should be treated with stand 73.2027 YOE: Retention left from adjacent clear-cut to south. Mature red pine over fir, spruce, maple and birch.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce		10	Seedling	8		Balsam Fir	Medium	Variable	Variable
Red Pine		65		16	88	Maple (spp.)	Medium	Variable	Variable
Red Maple		10	Seedling	6	26				
Balsam Fir		10	Seedling	6					
Paper Birch		5	Seedling	6					
483	42220 - Natural Jack Pine	Poletimber Medium	22.4	46	51-80	N/A	2017 YOE: OPIC - FMD: ORV trails runs thru the stand. Some cherry, aspen and jack pine filling in the opening.2027 YOE: Stand is starting to fill in more. Clumps of medium to large poletimber size jack pine and some red pine. Cherry mixed in throughout stand. Some jack pine regen present.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry		10	Seedling	6		Jack Pine	Medium	Variable	Variable
Jack Pine		75	Seedling	8	46				
Red Pine		15	Seedling	8					
499	429 - Mixed Upland Conifers	Poletimber Poor	4.3	43	1-50	N/A	2027 YOE: Grass/fern opening filling with spruce, pine, aspen, cherry and maple. Mostly small poletimber except for some scattered larger pine and spruce.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		40	Seedling	6	43	Conifers	Medium	Variable	Variable
Bigtooth Aspen		15	Sapling	5		Cherry (spp.)	Medium	Variable	Variable
Red Maple		5	Sapling	5					
White Spruce		25	Seedling	7					
Black Cherry		15	Sapling	5					