



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41105

Entry Year 2025

Acreage: 3,541

County Schoolcraft

Management Area: Grand Marais Moraine Complex

Stand Examiner: Scott Kentner

Legal Description:

T47N, R13W, sections 2, 3, 10, 11, 13 – 15.

Identified Planning Goals:

Provide for the protection, integrated management, and responsible use of a healthy, productive, forest and mineral resource base for the social, recreational, environmental, and economic benefit of the people of the State of Michigan.

Soil and topography:

Rubicon sands are found in the level pine plains, and AuTrain Loamy Sand where the hardwoods are growing.

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

The property North, west and east of the compartment is owned by the Forestland Group. There are several homes to the northwest. State owned land borders the compartment to the south.

Unique Natural Features:

Potential for sharp-tail grouse since they have been documented in the open lands in compartment 107 to the south. Checked database 4/19/13

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Clear Creek is a designated Natural River as part of the Fox River system from its beginnings as a perennial stream in section 15 to its confluence with the East Branch of the Fox.

Watershed and Fisheries Considerations:

This compartment contains headwater reaches of Clear Creek. Clear Creek is a designated Type 1 trout stream less than 50-foot wide and has a predicted mean July temperature of 59.0 °F (cold stream). A 300-foot buffer is recommended for Clear Creek in riparian areas susceptible to Aspen regeneration. The Main Branch of Clear Creek is classified as a Natural River. Therefore, a 200-foot, plus 5 feet per 1% increase in slope, buffer is recommended along the main branch in areas not susceptible to aspen regeneration. For undesignated reaches of Clear Creek, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is located in the east of Lavender Corners in the Grand Marais Sandy End Moraine and Outwash Sub-subsection. Pre-settlement vegetation in this area was dominated by a mix of hemlock, white pine, beech, yellow birch, red maple, and sugar maple. The first surveyors also noted a large component of mountain ash in the understory.

Current vegetation patterns are substantially different than those found circa 1850. Red pine plantations and grass openings now are the dominant feature on the landscape. Aspen has also increase in this landscape.

Wildlife habitat objectives in this compartment include allowing some of the northern most openings to succeed into a natural forest composition, reestablishing the mountain ash component, maintaining the aspen component, and promoting the large opening complexes.

Wildlife species of special interest utilizing this compartment include marsh hawk, upland sandpiper, and sharp-tailed grouse.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton and Black River Groups subcrop below the glacial drift. These are used for stone/dolomite. Gravel pits are not found in the general area and potential appears to be limited. There is no commercial oil and gas production in the UP.

Vehicle Access:

There are numerous two track roads throughout the compartment.

Survey Needs:

None

Recreational Facilities and Opportunities:

The Danaher Plains ORV Trail loops throughout the compartment while snowmobile trail #443 traverses north to south through the compartment. As standard practice, keep the trails clear of logging slash and debris. If ORV confidence marker trees are cut, try to cut above them above the markers. Winter logging shouldn't be an issue in this compartment, so there shouldn't be any grooming season conflicts.

Fire Protection:

This compartment is within the Fox River Zone Dispatch Area.

Additional Compartment Information:**The following reports from the Inventory are attached:**

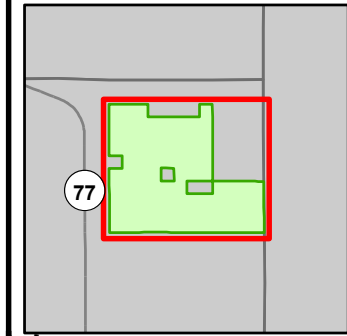
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

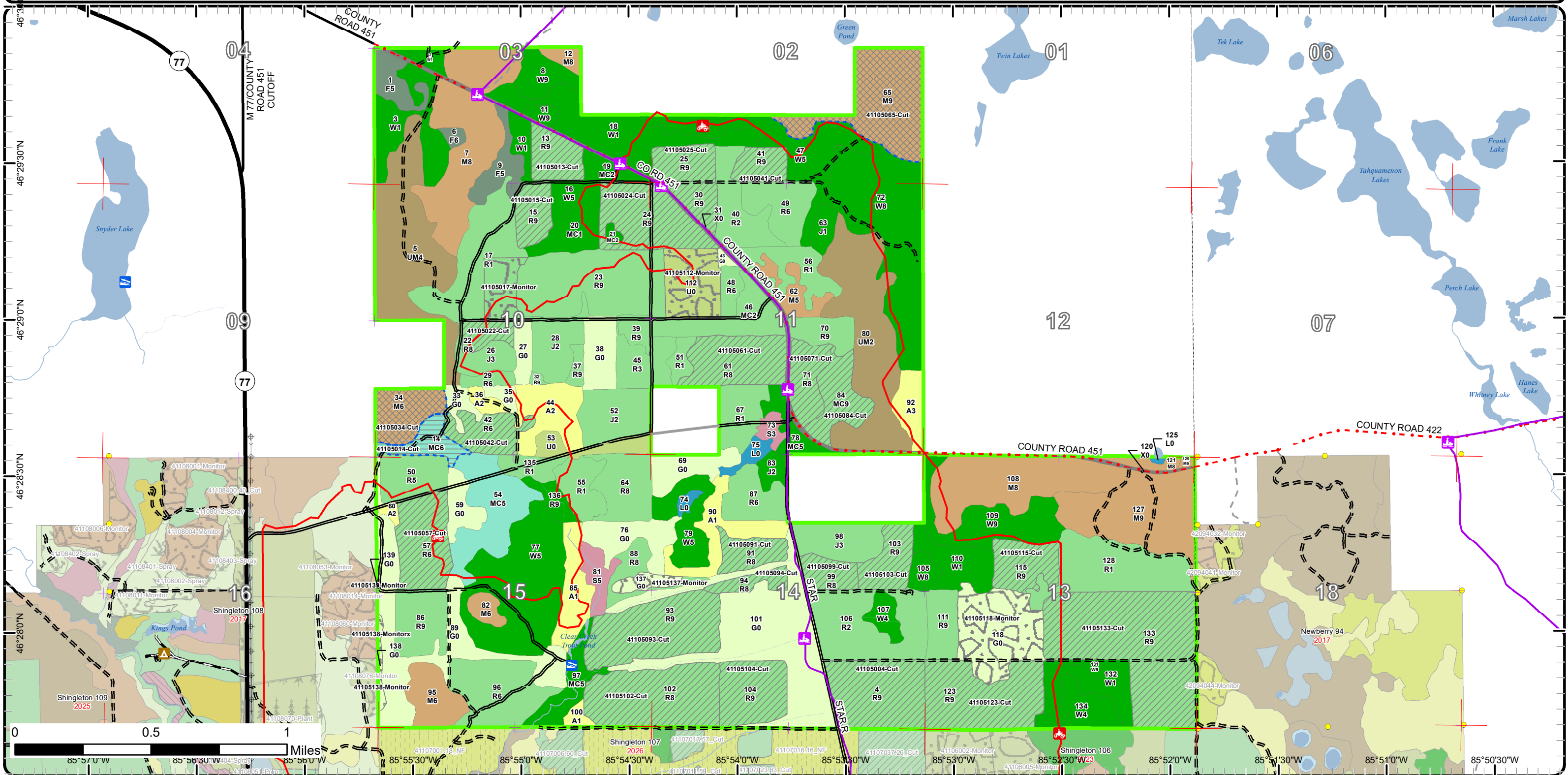
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 105
 T47N, R13W, Sec. 2, 3, 10, 11, 13-15
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Grand Marais
 Moraine Complex
 YOE: 2025
 Acres: 3541.1 GIS Calculated
 Examiner: Scott Kentner
 Map Revised: 8/14/2023
 Map Phase: Review

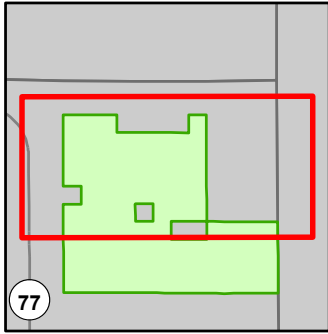


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- ORV Trails
- Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- Boating Access Site
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 629 - Mixed Non-forested Wetland

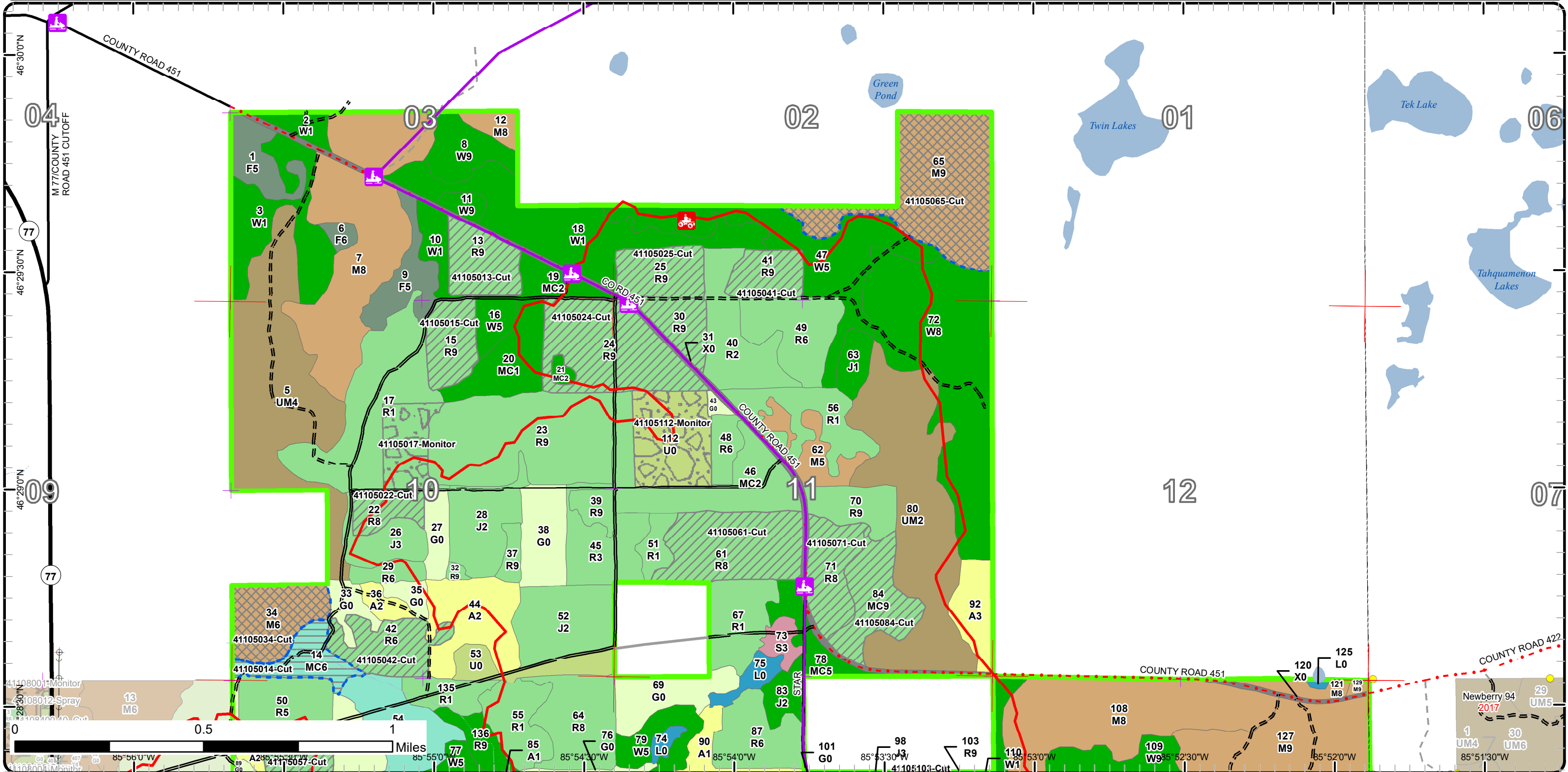


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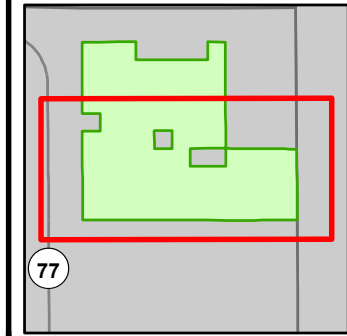


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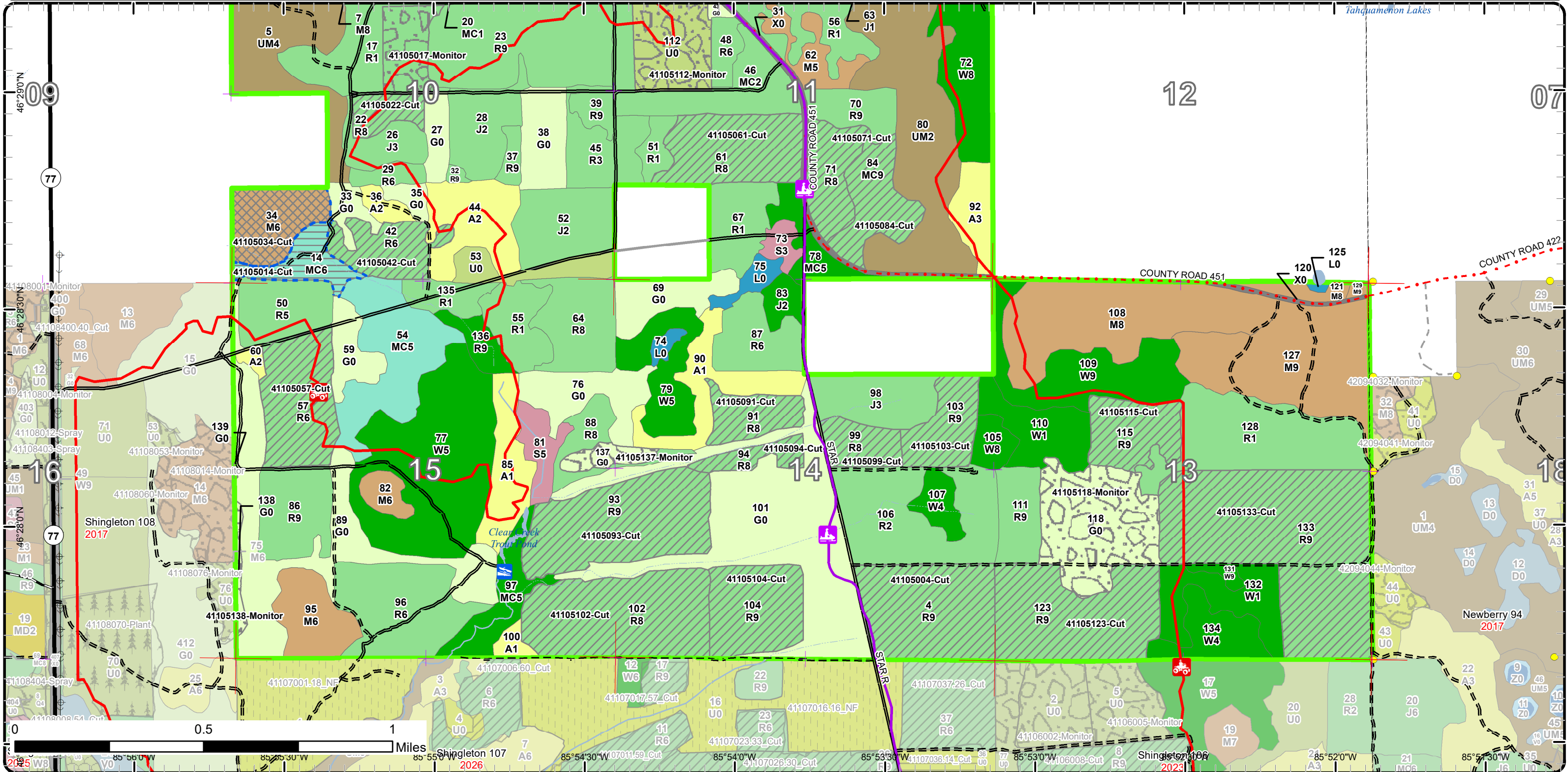


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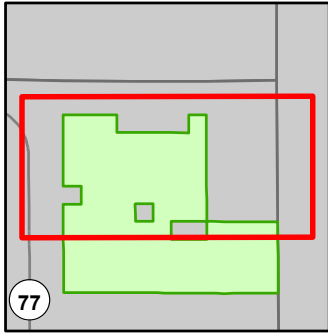


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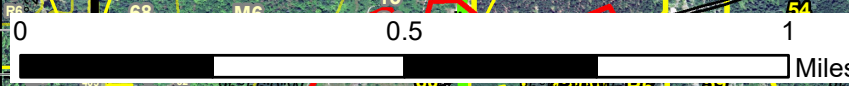
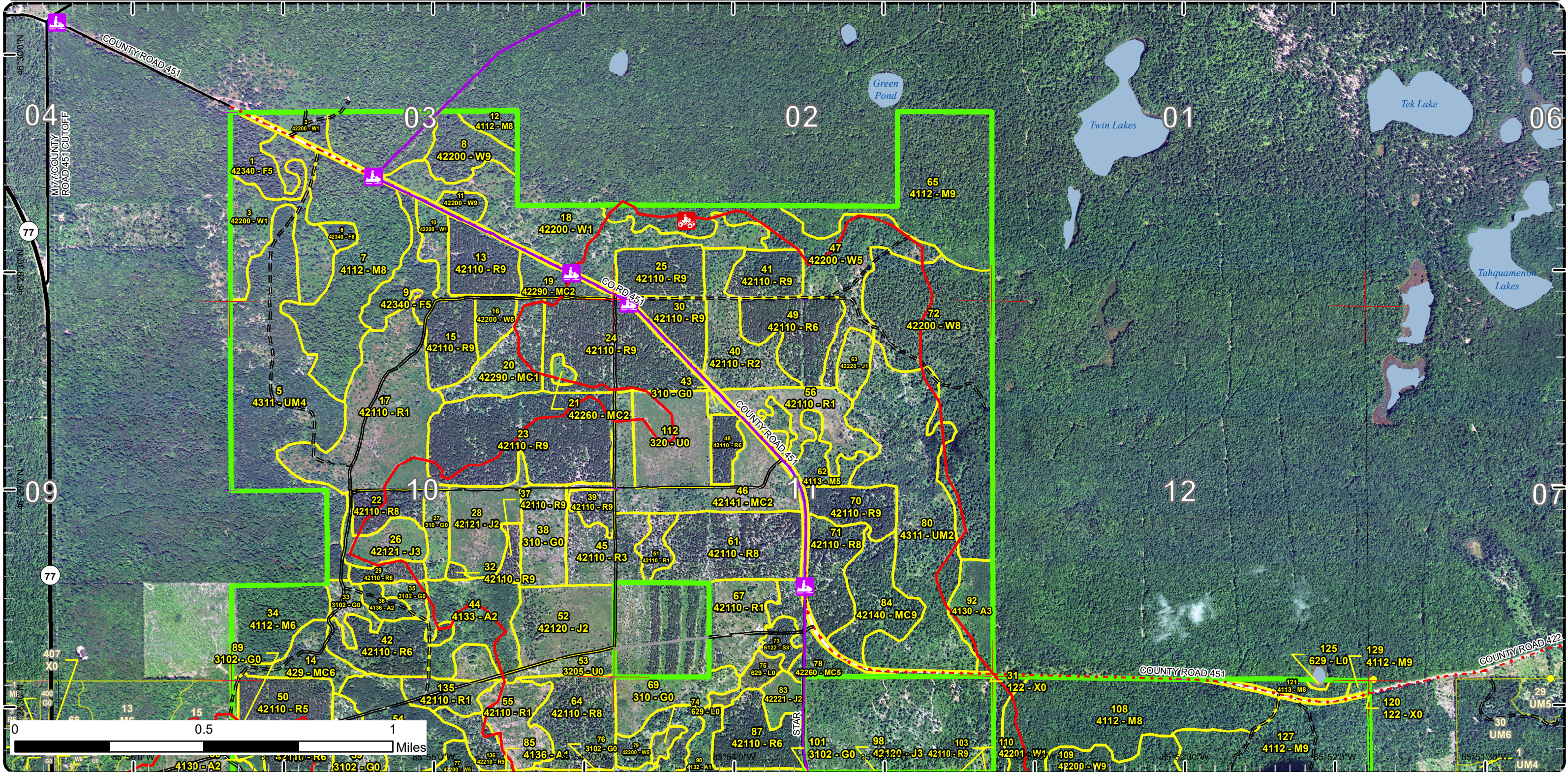


Stand Boundary Map

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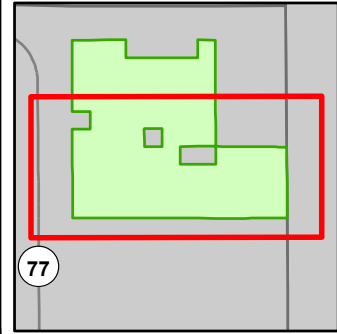


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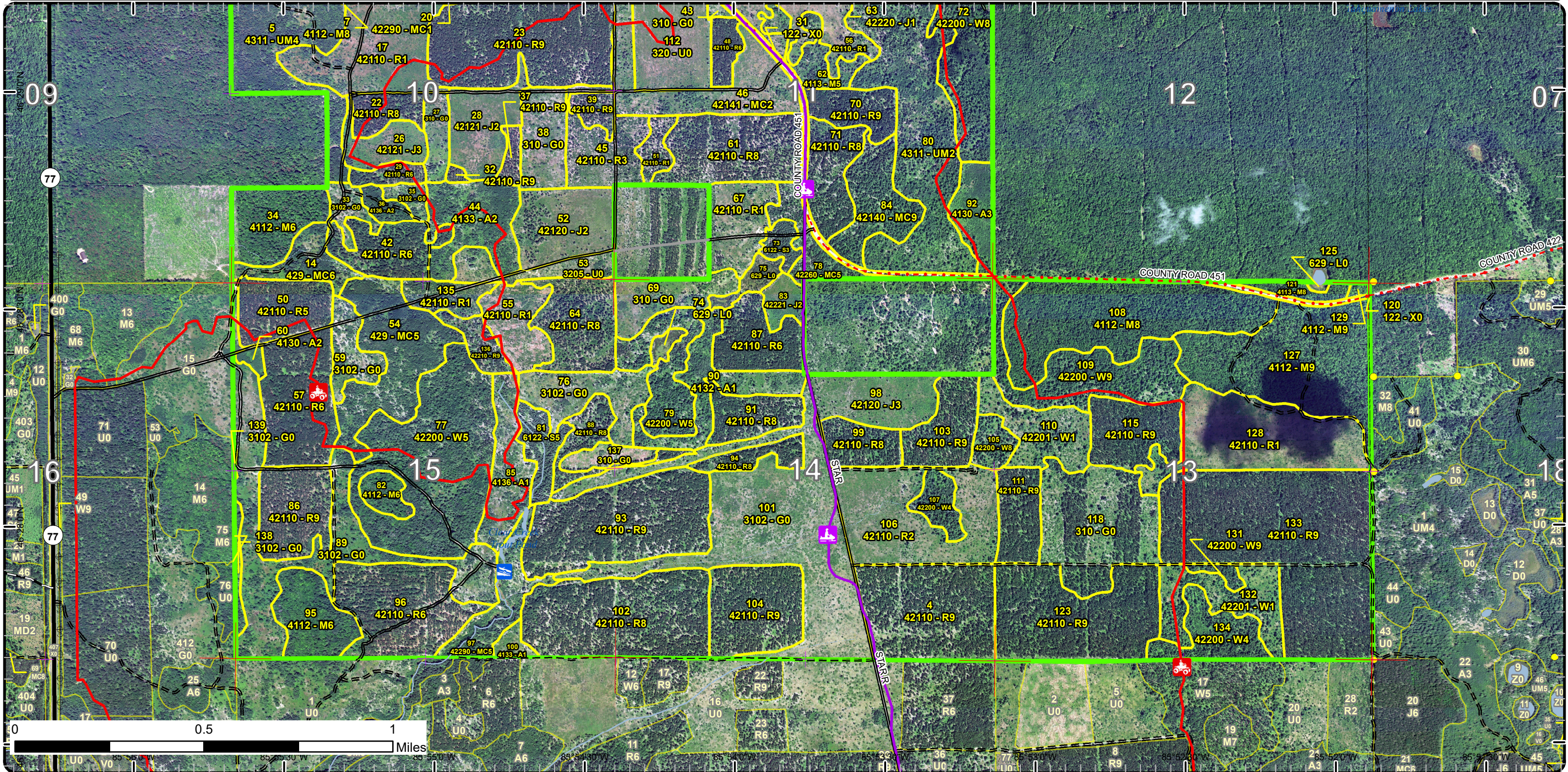


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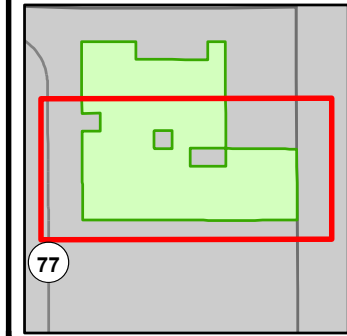


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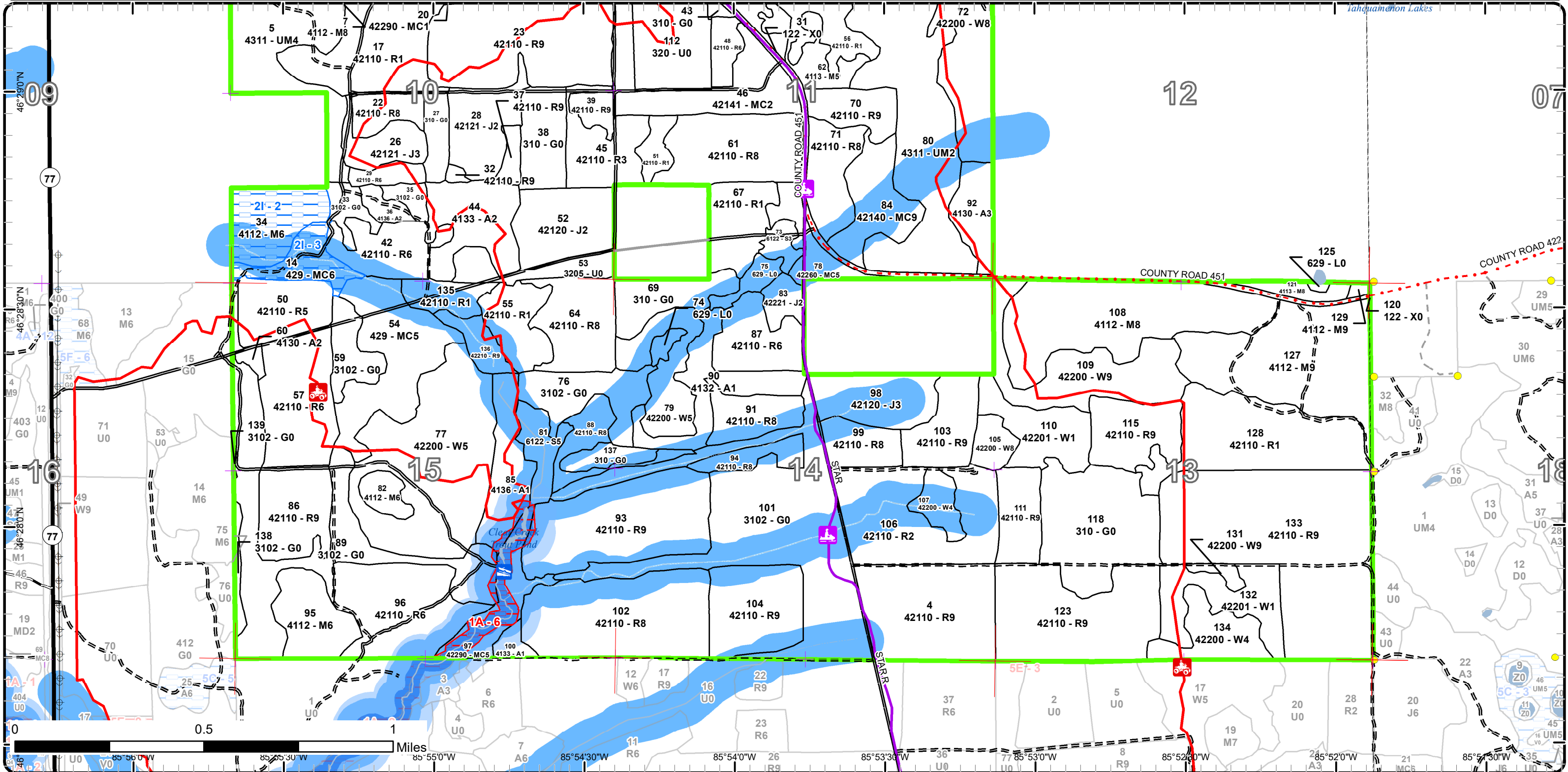


Special Conservation Areas

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- ⚡ Powerline
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- Unavailable
- 1A: Federal/State/Local Law
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	0	23	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113
Herbaceous Openland	360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	360
Jack Pine	0	0	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114
Lowland Shrub	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Spruce/Fir	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	19
Natural Mixed Pines	0	0	2	15	34	0	22	0	0	0	0	0	0	0	0	0	0	0	73
Northern Hardwood	0	0	0	0	15	0	0	0	308	76	0	0	0	0	0	0	0	0	399
Planted Mixed Pines	0	40	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	67
Red Pine	0	72	211	25	0	42	931	154	0	0	0	0	0	0	0	0	0	26	1459
Upland Conifers	0	0	0	49	0	0	0	0	16	0	0	0	0	0	0	0	0	0	65
Upland Mixed Forest	0	0	92	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	188
Upland Shrub	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Upland Spruce/Fir	0	0	0	0	0	34	0	3	0	0	0	0	0	0	0	0	0	0	37
Urban	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
White Pine	0	0	0	0	113	123	36	0	175	0	0	0	0	0	0	0	0	114	560
Total	446	112	442	275	162	218	1016	157	499	76	0	0	0	0	0	0	0	140	3540



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2025

Acres of Harvest

Compartment 105
Total Compartment Acres: 3,541

Commercial Harvest - 812
Harvests with Site Condition - 112
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshory Removal	Salvage	Other	Total Acres
Northern Hardwood	0	96	0	0	0	0	0	0	0	96
Planted Mixed Pines	0	0	0	0	0	27	0	0	0	27
Red Pine	0	0	0	0	0	785	0	0	0	785
Upland Conifers	16	0	0	0	0	0	0	0	0	16
Total	16	96	0	0	0	812	0	0	0	923

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	923	0	0	0	0	0	120	0	0	1043
Next Step	0	0	0	0	0	108	112	0	0	219
Total	923	0	0	0	0	108	232	0	0	1263



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:

4	41105004-Cut	56.5	42110 - Planted Red Pine	Sawtimber Well	52	51-80	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</p>											
13	41105013-Cut	20.3	42110 - Planted Red Pine	Sawtimber Well	56	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 2nd Entry Thinning: Mark to 110 BA which may only be in heavier pockets. Mark first: to remove damaged, suppressed, deformed trees, and then second: to release future crop trees. If 1st entry or areas of the stand were "free thinned", make sure to mark to allow access for harvesting equipment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</p>											
14	41105014-Cut	16.1	429 - Mixed Upland Conifers	Poletimber Well	70	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with Retention: Remove all trees, leave large diameter white pine within the red line as retention.</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 on site.</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 /2024</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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15	41105015-Cut	18.2	42110 - Planted Red Pine	Sawtimber Well	56	81-110	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.

Next Step
Treatments:

Acceptable Red Pine
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

22	41105022-Cut	11.5	42110 - Planted Red Pine	Sawtimber Medium	52	81-110	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.

Next Step
Treatments:

Acceptable Red pine
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

24	41105024-Cut	49.6	42110 - Planted Red Pine	Sawtimber Well	56	81-110	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription 2nd Entry Thinning: Mark to 110 BA which may only be in heavier pockets. Mark first: to remove damaged, suppressed, deformed trees, and then second: to release future crop trees. If 1st entry or areas of the stand were "free thinned", make sure to mark to allow access for harvesting equipment.

Next Step
Treatments:

Acceptable Red pine
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

25	41105025-Cut	19.5	42110 - Planted Red Pine	Sawtimber Well	56	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription 2nd Entry Thinning: Mark to 110 BA which may only be in heavier pockets. Mark first: to remove damaged, suppressed, deformed trees, and then second: to release future crop trees. If 1st entry or areas of the stand were "free thinned", make sure to mark to allow access for harvesting equipment.

Next Step
Treatments:

Acceptable Red pine
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

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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
30 41105030-Cut	13.9	42110 - Planted Red Pine	Sawtimber Well	56	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</p>										
34 41105034-Cut	26.9	4112 - Maple, Beech, Cherry Association	Poletimber Well	77	51-80	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Single tree Selection harvest: Mark stand down to 60-80 BA. Mark large overstory trees that may grow out of class to create canopy gaps for existing regen. Leave all white pine and any hemlock found.</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 on site.</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 /2024</p>										
41 41105041-Cut	15.1	42110 - Planted Red Pine	Sawtimber Well	52	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 2nd Entry Thinning: Mark to 110 BA which may only be in heavier pockets. Mark first: to remove damaged, suppressed, deformed trees, and then second: to release future crop trees. If 1st entry or areas of the stand were "free thinned", make sure to mark to allow access for harvesting equipment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</p>										
42 41105042-Cut	23.3	42110 - Planted Red Pine	Poletimber Well	52	81-110	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 2nd Entry Thinning: Mark to 110 BA which may only be in heavier pockets. Mark first: to remove damaged, suppressed, deformed trees, and then second: to release future crop trees. If 1st entry or areas of the stand were "free thinned", make sure to mark to allow access for harvesting equipment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</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
57 41105057-Cut	41.5	42110 - Planted Red Pine	Poetimber Well	52	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</p>										
61 41105061-Cut	41.7	42110 - Planted Red Pine	Sawtimber Medium	40	81-110	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</p>										
65 41105065-Cut	68.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	77	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Single-tree Selection: Mark stand to an average of 80BA, following the complete marker guidelines.</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 on site.</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 /2024</p>										
71 41105071-Cut	22.5	42110 - Planted Red Pine	Sawtimber Medium	52	81-110	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</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
84 41105084-Cut	27.1	42140 - Planted Mixed Pine	Sawtimber Well	52	51-80	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
91 41105091-Cut	17.4	42110 - Planted Red Pine	Sawtimber Medium	52	81-110	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Red pine <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
93 41105093-Cut	65.1	42110 - Planted Red Pine	Sawtimber Well	52	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Red pine <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
94 41105094-Cut	10.0	42110 - Planted Red Pine	Sawtimber Medium	52	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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
99 41105099-Cut	14.9	42110 - Planted Red Pine	Sawtimber Medium	52	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</p>										
102 41105102-Cut	66.8	42110 - Planted Red Pine	Sawtimber Medium	52	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 1st Entry Thinning: Mark every 3rd row within plantation. In areas without clear rows mark rows for access. To maintain BA remove every 4th row if necessary. Mark all species that maybe within row/skid trail.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</p>										
103 41105103-Cut	22.9	42110 - Planted Red Pine	Sawtimber Well	52	81-110	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 2nd Entry Thinning: Mark to 110 BA which may only be in heavier pockets. Mark first: to remove damaged, suppressed, deformed trees, and then second: to release future crop trees. If 1st entry or areas of the stand were "free thinned", make sure to mark to allow access for harvesting equipment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</p>										
104 41105104-Cut	36.5	42110 - Planted Red Pine	Sawtimber Well	52	81-110	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> 2nd Entry Thinning: Mark to 110 BA which may only be in heavier pockets. Mark first: to remove damaged, suppressed, deformed trees, and then second: to release future crop trees. If 1st entry or areas of the stand were "free thinned", make sure to mark to allow access for harvesting equipment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></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 /2024</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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115	41105115-Cut	25.8	42110 - Planted Red Pine	Sawtimber Well	63	81-110	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription 2nd Entry Thinning: Mark to 110 BA which may only be in heavier pockets. Mark first: to remove damaged, suppressed, deformed trees, and then second: to release future crop trees. If 1st entry or areas of the stand were "free thinned", make sure to mark to allow access for harvesting equipment.

Specs:

Next Step
Treatments:

Acceptable Red pine
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

123	41105123-Cut	63.8	42110 - Planted Red Pine	Sawtimber Well	52	141- 170	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription 2nd Entry Thinning: Mark to 110 BA which may only be in heavier pockets. Mark first: to remove damaged, suppressed, deformed trees, and then second: to release future crop trees. If 1st entry or areas of the stand were "free thinned", make sure to mark to allow access for harvesting equipment.

Specs:

Next Step
Treatments:

Acceptable Red pine
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

133	41105133-Cut	127.8	42110 - Planted Red Pine	Sawtimber Well	63	111- 140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription 2nd Entry Thinning: Mark to 110 BA which may only be in heavier pockets. Mark first: to remove damaged, suppressed, deformed trees, and then second: to release future crop trees. If 1st entry or areas of the stand were "free thinned", make sure to mark to allow access for harvesting equipment.

Specs:

Next Step
Treatments:

Acceptable Red pine
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

Approved Treatments:

17	41105017-Monitor	18.6	42110 - Planted Red Pine	Sapling Poor	9	Immature	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
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Prescription
Specs:

Next Step Pesticide, Aerial - Release
Treatments:

Acceptable Red pine
Regen:

Other Percent to Treat = 100%
Comment:

Site Condition



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 Start Date: 10/1 /2023

112	41105112-Monitor	33.3	320 - Upland Shrub	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
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Prescription

Specs:

Next Step Pesticide, Aerial - Release

Treatments:

Acceptable REd Pine

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

118	41105118-Monitor	55.9	310 - Herbaceous Openland	Nonstocked			Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
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Prescription

Specs:

Next Step Pesticide, Aerial - Release

Treatments:

Acceptable Red pine

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

137	41105137-Monitor	7.9	310 - Herbaceous Openland	Nonstocked		Immature	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
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Prescription regen check

Specs:

Next Step

Treatments:

Acceptable Red pine

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

138	41105138-Monitor	2.3	3102 - Grass	Nonstocked			Monitoring	Natural Regen (Re-Inventory)	413 - Aspen	Even-Aged	No
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Prescription

Specs:

Next Step

Treatments:

Acceptable Aspen

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 8 /25/2022



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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
138 41105138-Monitorx	1.7	3102 - Grass	Nonstocked			Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> check <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of species on site <u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100% <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
139 41105139-Monitor	0.3	3102 - Grass	Nonstocked			Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> check <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of species on site <u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100% <u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Total Treatment Acreage Proposed: 1043.3

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner : Examiner

Compartment: 105
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions	
Acres	Available	With Condition	Not Available	2I	1A
113	112	0	2	Aspen	2
361	360	0	1	Herbaceous Openland	1
115	115	0	0	Jack Pine	
10	10	0	0	Lowland Shrub	
19	19	0	0	Lowland Spruce/Fir	0
74	61	0	13	Natural Mixed Pines	13
399	303	96	0	Northern Hardwood	96
67	67	0	0	Planted Mixed Pines	
1459	1458	0	1	Red Pine	1
65	49	16	0	Upland Conifers	16
188	188	0	0	Upland Mixed Forest	
48	48	0	0	Upland Shrub	
37	37	0	0	Upland Spruce/Fir	
27	27	0	0	Urban	
560	560	0	0	White Pine	
3,541	3,414	112	16	Total Forested Acres	112
	96%	3%	0%	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	Available	2I: Survey needed	69	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	2I: Survey needed	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner : Examiner

Compartment: 105
Year of Entry: 2025

3	Available	2I: Survey needed	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	1A: Federal/State/Local Law	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Fox River Natural River 100' zone.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	42340 - Upland Spruce/Fir	Poletimber Medium	15.7	47	51-80	N/A	Pockets of Aspen/Pine regen, Aspen on the east end.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		40	Pole	8	47	Balsam Fir	
White Pine		30	Log/Pole	11		White Pine	
Balsam Fir		30	Pole	7		Aspen (spp.)	
						White Spruce	
						Density	
						Avg. Height	
						Size	
						Tall Shrub	
						Sapling	
						Tall Shrub	
						Sapling	
2	42200 - Natural White Pine	Sapling Poor	7.1	20	1-50	N/A	Opening that has filled with white pine, spruce, cherry.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		25	Sapling/Pole	4		Black Cherry	
Black Cherry		15	Pole/Sapling	5		White Pine	
White Pine		60	Sapling/Pole	4	20		
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
3	42200 - Natural White Pine	Sapling Poor	37.4	20	1-50	N/A	Opening that has grown in with white pine, cherry, spruce.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Cherry		15	Sapling/Pole	4		Black Cherry	
White Spruce		10	Pole/Sapling	5		White Pine	
White Pine		75	Sapling/Pole	4	20		
						Density	
						Avg. Height	
						Size	
						Sapling	
						Seeding	
4	42110 - Planted Red Pine	Sawtimber Well	56.5	52	51-80	N/A	Poorly stocked Red Pine Plantation, north east corner was thinned.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		95	Log/Pole	12	52	White Pine	
White Pine		5	Log	14			
						Density	
						Avg. Height	
						Size	
						Tall Shrub	
5	4311 - Pine, Aspen Mix	Poletimber Poor	92.2	17	1-50	N/A	Cut 20 years ago. Aspen is still sapling but growing good, mix of conifers left behind are large with spruce saplings now in the mix.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		55	Sapling	3	17	Bigtooth Aspen	
White Pine		40	Log	12		Balsam Fir	
White Spruce		5	Pole	5		Black Cherry	
						White Pine	
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
						Sapling	
						Sapling	
6	42340 - Upland Spruce/Fir	Poletimber Well	3.2	63	81-110	N/A	Small pocket of dense conifers.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		20	Log	14		Red Maple	
Red Maple		10	Pole	8		White Pine	
Balsam Fir		40	Pole	7	63	Balsam Fir	
White Pine		30	Log	14			
						Density	
						Avg. Height	
						Size	
						Tall Shrub	
						Tall Shrub	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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7	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	90.2	77	51-80	N/A	Stand was thinned very hard 20 years ago, residual BA was between 50-60. Regen has really started to grow in most of the stand, (Red Maple).
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
White Pine		5	XLog	20					Balsam Fir	Low	10 - 20 feet	Tall Shrub			
Red Maple		85	Log/Pole	11	77				White Pine	Medium	5 - 10 feet	Tall Shrub			
Sugar Maple		10	Pole	8					Beech	Low	10 - 20 feet	Tall Shrub			
									Red Maple	Medium	10 - 20 feet	Tall Shrub			
									White Spruce	Low	5 - 10 feet	Tall Shrub			
									Sugar Maple	Low	10 - 20 feet	Tall Shrub			

8	42200 - Natural White Pine	Sawtimber Well	17.3	76	51-80	N/A	
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Black Cherry		5	Pole	8					Red Maple	Medium	5 - 10 feet	Tall Shrub			
Red Maple		15	Pole	6					White Pine	Medium	5 - 10 feet	Tall Shrub			
White Pine		80	Log	14	76				White Spruce	Low	5 - 10 feet	Tall Shrub			
									Balsam Fir	Low	5 - 10 feet	Tall Shrub			

9	42340 - Upland Spruce/Fir	Poletimber Medium	17.9	47	51-80	N/A	
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
White Spruce		30	Log/Pole	11	47				Balsam Fir	Medium	5 - 10 feet	Sapling			
Red Maple		5	Pole	8					White Spruce	Medium	5 - 10 feet	Sapling			
White Pine		30	Log	14					White Pine	Medium	5 - 10 feet	Tall Shrub			
Bigtooth Aspen		5	Pole	8					Bigtooth Aspen	Low	5 - 10 feet	Sapling			
Balsam Fir		30	Pole	6											

10	42200 - Natural White Pine	Sapling Poor	9.4	20	1-50	N/A	Opening that is growing into white pine, cherry.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
White Pine		80	Sapling	4	20				White Pine	Medium	5 - 10 feet	Sapling			
Black Cherry		20	Sapling	4					Black Cherry	Medium	5 - 10 feet	Sapling			

11	42200 - Natural White Pine	Sawtimber Well	4.5	76	1-50	N/A	
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
White Pine		80	Log	14	76				Red Maple	Medium	5 - 10 feet	Tall Shrub			
Black Cherry		5	Pole	8					Balsam Fir	Low	5 - 10 feet	Tall Shrub			
Red Maple		15	Pole	6					White Spruce	Low	5 - 10 feet	Tall Shrub			
									White Pine	Medium	5 - 10 feet	Tall Shrub			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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12 4112 - Maple, Beech, Cherry Association Sawtimber Medium 6.3 77 51-80 N/A thinned 20 years ago very hard, residual BA left was between 50-60. Regen, mostly red maple has filled in gaps.

Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Sugar Maple					10	Pole	8		Red Maple			Medium	10 - 20 feet	Tall Shrub	
Red Maple					85	Log/Pole	11	77	Balsam Fir			Low	10 - 20 feet	Tall Shrub	
White Pine					5	XLog	20		White Spruce			Low	5 - 10 feet	Tall Shrub	
									White Pine			Medium	5 - 10 feet	Tall Shrub	
									Beech			Low	10 - 20 feet	Tall Shrub	
									Sugar Maple			Low	10 - 20 feet	Tall Shrub	

13 42110 - Planted Red Pine Sawtimber Well 20.3 56 111-140 N/A

Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Red Pine					100	Log/Pole	11	56	Black Cherry			Low	5 - 10 feet	Tall Shrub	

14 429 - Mixed Upland Conifers Poletimber Well 16.1 70 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	35	Log	12	26
White Spruce	10	Pole	8	
Black Cherry	5	Pole	6	
Red Pine	5	Pole	8	
Bigtooth Aspen	35	Pole/Log	9	70
Jack Pine	10	Sapling	4	

15 42110 - Planted Red Pine Sawtimber Well 18.2 56 81-110 N/A

Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Red Pine					80	Log	10	56	Aspen (spp.)			Low	5 - 10 feet	Tall Shrub	
White Pine					20	Log	12		White Pine			Medium	5 - 10 feet	Tall Shrub	

16 42200 - Natural White Pine Poletimber Medium 8.8 43 1-50 N/A

Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
White Pine					75	Pole	6	43	White Pine			Medium	10 - 20 feet	Sapling	
White Spruce					20	Pole	6		Black Cherry			Low	5 - 10 feet	Sapling	
Bigtooth Aspen					5	Pole/Sapling	5								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																											
17	42110 - Planted Red Pine	Sapling Poor	71.9	9	Immature	N/A	FTP 41-1582 Red Pine 252/ac Aspen 105/ac needs to be replanted. MO Red Pine. Replanted in 2014. Need regen check in 2015. regen check in 2018, 706 TPA. 12/22/2020 - stand was part of the RPP. Combination of 2 stands. Never released. Release spray RX for 2021 (10/01/2020) for 54 acres of the stand. A replant of the southeastern 18 acres (original stand 103) RX for 2022 (10/01/2021). - JAT Stand was areal sprayed summer 2021, southeast part of stand replanted summer 2022. 1st year check 794 TPA Spring 2023 inventory: Seedlings survival looks great, passed walk through check. Lots of aspen regen, looks like it was too advanced for spray treatment to be successful.																											
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Canopy Species	% Cover	Size Class	DBH	Age																														
Quaking Aspen	10	Sapling	2																															
Red Pine	90	Sapling	2	9																														
18	42200 - Natural White Pine	Sapling Poor	60.0	20	1-50	N/A	Opening that has grown in as white pine and cherry, some aspen.																											
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Sub-Canopy Species	Density	Avg. Height	Size																															
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Black Cherry	Medium	5 - 10 feet	Sapling																															
19	42290 - Natural Mixed Pine	Sapling Medium	10.3	36	1-50	N/A																												
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Canopy Species	% Cover	Size Class	DBH	Age																														
Bigtooth Aspen	15	Sapling	3																															
White Pine	50	Sapling/Pole	4	36																														
Red Pine	5	Sapling	4																															
Jack Pine	30	Sapling	4																															
20	42290 - Natural Mixed Pine	Sapling Poor	24.1	36	1-50	N/A																												
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Red Pine	5	Sapling	4																															
Jack Pine	30	Sapling	4																															
Bigtooth Aspen	15	Sapling	3																															
21	42260 - Natural Pine, Mixed Deciduous	Sapling Medium	2.4	15	1-50	N/A																												
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Canopy Species	% Cover	Size Class	DBH	Age																														
Red Maple	20	Sapling	1																															
White Pine	20	Sapling	1																															
Jack Pine	40	Sapling	1	15																														
Bigtooth Aspen	20	Sapling	1																															
22	42110 - Planted Red Pine	Sawtimber Medium	11.5	52	81-110	N/A																												
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Canopy Species	% Cover	Size Class	DBH	Age																														
Red Pine	100	Log	11	52																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments															
23	42110 - Planted Red Pine	Sawtimber Well	72.0	56	81-110	N/A	Units 1 and 2 of Pine-cess Leia.TS: 41-018-15-01 TCR: 12/13/18															
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Canopy Species	% Cover	Size Class	DBH	Age																		
Red Pine	95	Log	10	56																		
Red Maple	5	Pole	6																			
24	42110 - Planted Red Pine	Sawtimber Well	49.6	56	81-110	N/A																
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Canopy Species	% Cover	Size Class	DBH	Age																		
Red Pine	100	Log	11	56																		
25	42110 - Planted Red Pine	Sawtimber Well	19.5	56	111-140	N/A																
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Canopy Species	% Cover	Size Class	DBH	Age																		
Red Pine	100	Log	11	56																		
26	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	14.8	14	Immature	N/A	Replanted spring 2018 to JP. Passed regen check, fall 2018. Passed 3rd season check fall 2020. Stand is mixed with aspen and jack pine.															
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Canopy Species	% Cover	Size Class	DBH	Age																		
Jack Pine	80	Sapling	2	14																		
27	310 - Herbaceous Openland	Nonstocked	9.4			No																
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Sub-Canopy Species	Density	Avg. Height	Size																			
Black Cherry	Medium	5 - 10 feet	Tall Shrub																			
28	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	25.5	14	Immature	N/A	Jack Pine 242/ac Aspen 114/ac, part of FTP 41-1583. Interplanted by CASP Crew summer 2015. 9000 JP planted. regen check 2018, 802 TPA.															
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Canopy Species	% Cover	Size Class	DBH	Age																		
Bigtooth Aspen	40	Sapling	1																			
Jack Pine	60	Sapling	1	14																		
29	42110 - Planted Red Pine	Poletimber Well	6.6	52	81-110	N/A	TCR: 41-019-15-01, Sale cut and closed.															
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Red Pine	100	Pole	9	52																		
30	42110 - Planted Red Pine	Sawtimber Well	13.9	56	111-140	N/A																
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Canopy Species	% Cover	Size Class	DBH	Age																		
Red Pine	100	Log	10	56																		
31	122 - Road/Parking Lot	Nonstocked	23.6			No	county road															
32	42110 - Planted Red Pine	Sawtimber Well	1.4	52	81-110	N/A	TCR: 41-019-15-01, Sale cut and closed.															
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Canopy Species	% Cover	Size Class	DBH	Age																		
Red Pine	100	Log	10	52																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
33	3102 - Grass	Nonstocked	7.6			No				
34	4112 - Maple, Beech, Cherry Association	Poletimber Well	26.9	77	51-80	N/A				
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Sugar Maple	60	Pole/Log	9	77	White Spruce	Low	10 - 20 feet	Sapling
		Black Cherry	10	Log	10		Sugar Maple	Medium	10 - 20 feet	Tall Shrub
		Red Maple	20	Pole/Log	9		Red Maple	Low	10 - 20 feet	Tall Shrub
		White Spruce	5	Pole	8		Black Cherry	Low	10 - 20 feet	Tall Shrub
		White Pine	5	Log	17					
35	3102 - Grass	Nonstocked	5.0			No				
36	4136 - Aspen, Mixed Conifer	Sapling Medium	5.4	26	1-50	N/A				
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		White Spruce	5	Log	10		Balsam Fir	Low	5 - 10 feet	Tall Shrub
		Bigtooth Aspen	80	Sapling	4	26	White Spruce	Low	5 - 10 feet	Tall Shrub
		Balsam Fir	10	Pole	6					
		White Pine	5	Log	14					
37	42110 - Planted Red Pine	Sawtimber Well	4.7	52	81-110	N/A	TCR: 41-019-15-01, Sale cut and closed.			
		Canopy Species	% Cover	Size Class	DBH	Age				
		Red Pine	100	Log	10	52				
38	310 - Herbaceous Openland	Nonstocked	20.7		Unspecified	No	Stump field with cherry.			
		Sub-Canopy Species	Density	Avg. Height	Size					
		Black Cherry	Medium	5 - 10 feet	Tall Shrub					
39	42110 - Planted Red Pine	Sawtimber Well	6.6	52	81-110	N/A				
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Red Pine	100	Log	11	52	Red Pine	Low	5 - 10 feet	Sapling
40	42110 - Planted Red Pine	Sapling Medium	30.1	18	Immature	N/A	A few overstory red pine poles left for some reason.			
		Canopy Species	% Cover	Size Class	DBH	Age				
		Red Pine	100	Sapling	3	18				
41	42110 - Planted Red Pine	Sawtimber Well	15.1	52	111-140	N/A				
		Canopy Species	% Cover	Size Class	DBH	Age				
		Red Pine	100	Log	11	52				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																									
42	42110 - Planted Red Pine	Poletimber Well	23.3	52	81-110	N/A																										
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Red Pine	100	Pole	9	52																												
Sub-Canopy Species	Density	Avg. Height	Size																													
Aspen (spp.)	Medium	5 - 10 feet	Tall Shrub																													
43	310 - Herbaceous Openland	Nonstocked	1.7			No																										
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Black Cherry	Medium	5 - 10 feet	Tall Shrub																													
44	4133 - Aspen, Mixed Pine	Sapling Medium	31.9	27	1-50	N/A																										
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Canopy Species	% Cover	Size Class	DBH	Age																												
Black Cherry	10	Sapling	3																													
Bigtooth Aspen	50	Sapling	4	27																												
Balsam Fir	10	Sapling	4																													
White Pine	30	Sapling	4																													
45	42110 - Planted Red Pine	Sapling Well	24.5	22	51-80	N/A	Actually a well stocked plantation.																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
Red Pine	100	Sapling/Pole	3	22																												
46	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Medium	39.9	9	Immature	N/A	FTP 41-1582 consolidated a couple stands that were planted at different times. MO Red Pine, Red Pine 320/ac Aspen 33/ac, needs to be replanted with Red Pine. Snow damage throughout. Jack Pine planted in the NE part of the stand, north of the road is at 200/ac.CASP Crew interplanted 4500 RP. After 2018 regen check stand was split into two separate stands. Stand 46 will be left as is, a poorly stocked mixed conifer stand and stand 112 will be a properly managed RP. stand.																									
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Bigtooth Aspen	10	Sapling	2																													
Black Cherry	30	Sapling	1																													
Red Pine	45	Sapling	1	9																												
47	42200 - Natural White Pine	Poletimber Medium	58.5	30	1-50	N/A																										
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Black Cherry	5	Sapling	4																													
Jack Pine	10	Sapling	4																													
48	42110 - Planted Red Pine	Poletimber Well	8.2	52	81-110	N/A	Unit 4 of Pine-cess Leia. TS:41-018-15-01 TCR: 12/13/14																									
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49	42110 - Planted Red Pine	Poletimber Well	27.5	56	81-110	N/A	Unit 3, TS: 41-018-15-01 Pine-cess leia TCR: 12/13/18																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
50	42110 - Planted Red Pine	Poletimber Medium	24.4	52	81-110	N/A	TCR: 41-019-15-01, Sale cut and closed.																																			
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51	42110 - Planted Red Pine	Sapling Poor	7.2	18	Immature	N/A	Unit 5 of Pine-cess Leia TS: 41-018-15-01 TCR: 12/13/18																																			
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52	42120 - Planted Jack Pine	Sapling Medium	31.1	14	Immature	N/A	Jack Pine 471/ac Red Pine 14/ac some natural seeding FTP 41-1259 can be closed some residual Red Pine log trees on the west end of stand. Stand was planted on 5/21/13 before treatment from 2006 was canceled though review cost was \$4222.58.																																			
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Red Pine	10	Sapling	1																																							
Red Pine	10	Log	14	63																																						
Jack Pine	80	Sapling	3	14																																						
53	3205 - Mixed Upland Shrub	Nonstocked	14.8			No																																				
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54	429 - Mixed Upland Conifers	Poletimber Medium	48.9	26	1-50	N/A																																				
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Canopy Species	% Cover	Size Class	DBH	Age																																						
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Red Pine	5	Pole/Sapling	5																																							
55	42110 - Planted Red Pine	Sapling Poor	20.1	18	1-50	N/A	TCR: 41-019-15-01, Sale cut and closed.																																			
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Red Pine	100	Sapling	3	18																																						
Sub-Canopy Species	Density	Avg. Height	Size																																							
Red Pine	Medium	5 - 10 feet	Sapling																																							
56	42110 - Planted Red Pine	Sapling Poor	26.3	15	Immature	N/A	Stand is part of FTP 41-1582 and needs to re-planted. Sitting at 271/ac Red Pine and 142/ac aspen. regen check 5/5/15 318 t/a. needs to be interplanted. Site replanted with RP Spring 2018. Site failed regen check, but has trees present of various sizes and species mostly RP and JP. Stand passes as a mixed confer stand of low stocking.																																			
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Red Pine	75	Sapling	3	15																																						
Jack Pine	25	Sapling	2																																							
57	42110 - Planted Red Pine	Poletimber Well	41.5	52	111-140	N/A																																				
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Red Pine	100	Pole	9	52																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
59	3102 - Grass	Nonstocked	14.1			No	
		Sub-Canopy Species		Density	Avg. Height	Size	
		White Pine		Medium	5 - 10 feet	Pole	
		Black Cherry		Medium	5 - 10 feet	Seeding	
60	4130 - Aspen	Sapling Medium	2.6	17	Immature	N/A	Small Clone of young Aspen.
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		100	Sapling	1	17		
61	42110 - Planted Red Pine	Sawtimber Medium	41.7	40	81-110	N/A	Small patch of young underplanted Red Pine in middle of stand.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		5	Pole	6			
Red Pine		95	Log	10	40		
62	4113 - R.Maple, Conifer	Poletimber Medium	14.8	39	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		10	Pole	8			
Bigtooth Aspen		20	Pole	8			
White Pine		10	Log	14			
Red Maple		60	Pole	8	39		
Sub-Canopy Species		Density	Avg. Height	Size			
Bigtooth Aspen		Low	5 - 10 feet	Sapling			
White Pine		Medium	5 - 10 feet	Sapling			
63	42220 - Natural Jack Pine	Sapling Poor	8.3	16	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		10	Pole	8			
Jack Pine		70	Sapling	3	16		
Red Pine		10	Pole	8			
Bigtooth Aspen		10	Sapling	1			
64	42110 - Planted Red Pine	Sawtimber Medium	30.6	52	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Log	12	52		
Sub-Canopy Species		Density	Avg. Height	Size			
Red Pine		Medium	5 - 10 feet	Sapling			
Jack Pine		Low	5 - 10 feet	Sapling			
65	4112 - Maple, Beech, Cherry Association	Sawtimber Well	68.6	77	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Beech		5	Pole	8			
White Pine		5	XLog	18			
Sugar Maple		10	Pole/Log	8			
Red Maple		75	Log	14	77		
Yellow Birch		5	Pole	6			
Sub-Canopy Species		Density	Avg. Height	Size			
Sugar Maple		Low	5 - 10 feet	Tall Shrub			
Red Maple		High	5 - 10 feet	Tall Shrub			
White Pine		Low	< 5 feet	Tall Shrub			
Beech		Medium	5 - 10 feet	Tall Shrub			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
67	42110 - Planted Red Pine	Sapling Poor	23.0	14	Immature	N/A	MO Red Pine, Part of FTP 41-1582 Red Pine 175/ac Jack Pine 75/ac Aspen 100/ac. CASP Crew planted 7800 RP, interplant, Summer 2015. 3rd year check 2018, failed but stand determined to be passed the point of planting, current stand is stocked with mixed species.
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		10	Sapling	1			
Red Pine		80	Sapling	1	14		
Jack Pine		10	Sapling	1			
69	310 - Herbaceous Openland	Nonstocked	20.1		Unspecified	No	
Sub-Canopy Species		Density	Avg. Height	Size			
Black Cherry		Medium		Tall Shrub			
70	42110 - Planted Red Pine	Sawtimber Well	16.2	52	81-110	N/A	TS: 41-018-15-01 Pine-cess Leia Unit 6. TCR: 12/13/18
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		5	Log	12			
Red Pine		90	Log	10	52		
Jack Pine		5	Pole	8			
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Low	5 - 10 feet	Sapling			
71	42110 - Planted Red Pine	Sawtimber Medium	22.5	52	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		90	Log	12	52		
Jack Pine		10	Pole	7			
Sub-Canopy Species		Density	Avg. Height	Size			
Aspen (spp.)		Low	10 - 20 feet	Sapling			
72	42200 - Natural White Pine	Sawtimber Medium	99.2	73	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		95	Log	16	73		
Red Pine		5	Log	16			
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Medium	5 - 10 feet	Tall Shrub			
Aspen (spp.)		Medium	5 - 10 feet	Tall Shrub			
White Spruce		Low	5 - 10 feet	Tall Shrub			
Balsam Fir		Medium	5 - 10 feet	Tall Shrub			
Red Maple		Low	5 - 10 feet	Tall Shrub			
73	6122 - Black Spruce	Sapling Well	6.0	41	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		10	Sapling	4			
White Pine		5	Sapling	3			
Black Spruce		85	Sapling	4	41		
74	629 - Mixed non-forested wetland	Nonstocked	3.0			No	
75	629 - Mixed non-forested wetland	Nonstocked	6.5			No	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																								
76	3102 - Grass	Nonstocked	25.8		Unspecified	No																									
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77	42200 - Natural White Pine	Poletimber Medium	90.0	40	1-50	N/A																									
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78	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	15.0	26	1-50	N/A																									
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79	42200 - Natural White Pine	Poletimber Medium	26.9	59	1-50	N/A																									
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80	4311 - Pine, Aspen Mix	Sapling Medium	95.5	20	1-50	N/A																									
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81	6122 - Black Spruce	Poletimber Medium	12.8	47	1-50	N/A																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
82	4112 - Maple, Beech, Cherry Association	Poletimber Well	7.8	72	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		10	Log	14		Sugar Maple	Medium	10 - 20 feet	Tall Shrub
Sugar Maple		15	Pole	9		Balsam Fir	Low	< 5 feet	Tall Shrub
Red Maple		70	Pole	9	72	White Pine	Medium	< 5 feet	Tall Shrub
Bigtooth Aspen		5	Pole	8					
83	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Medium	7.7	14	Immature	N/A	Jack Pine 600/ac Aspen 366/ac, part of FTP 41-1246, This stand is free to grow.		
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		70	Sapling	2	14				
Bigtooth Aspen		30	Sapling	2					
84	42140 - Planted Mixed Pine	Sawtimber Well	27.1	52	51-80	N/A	Stand was planted to Red Pine but failed and seeded in with White Pine.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		5	Pole	8		Aspen (spp.)	Medium	10 - 20 feet	Sapling
White Pine		55	Log/Pole	12	52	White Pine	Medium	5 - 10 feet	Sapling
Red Pine		40	Log/Pole	12					
85	4136 - Aspen, Mixed Conifer	Sapling Poor	25.2	25	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce		10	Pole	8		Red Pine	Low	< 5 feet	Tall Shrub
Quaking Aspen		80	Sapling	3	25	Aspen (spp.)	Medium	5 - 10 feet	Tall Shrub
Red Pine		10	Pole	8		White Pine	Low	< 5 feet	Tall Shrub
86	42110 - Planted Red Pine	Sawtimber Well	29.0	52	81-110	N/A	TCR: 41-019-15-01, Sale cut and closed.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		100	Log	10	52				
87	42110 - Planted Red Pine	Poletimber Well	23.9	52	81-110	N/A	Unit 7. TS: 41-018-15-01 Pine-cess Leia TCR: 12/13/18		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		100	Pole	9	52				
88	42110 - Planted Red Pine	Sawtimber Medium	14.2	52	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		100	Log	12	52	Aspen (spp.)	Low	10 - 20 feet	Sapling
89	3102 - Grass	Nonstocked	73.3			No			
Sub-Canopy Species		Density	Avg. Height	Size					
White Pine		Medium	5 - 10 feet	Pole					
Black Cherry		Medium	5 - 10 feet	Seeding					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
90	4132 - Aspen, Jack Pine	Sapling Poor	27.7	22	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		80	Sapling	3	22		
Jack Pine		20	Sapling	3			
91	42110 - Planted Red Pine	Sawtimber Medium	17.4	52	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Log	10	52		
92	4130 - Aspen	Sapling Well	16.1	17	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		95	Sapling	1	17		
White Pine		5	Pole	8			
93	42110 - Planted Red Pine	Sawtimber Well	65.1	52	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Log	10	52		
94	42110 - Planted Red Pine	Sawtimber Medium	10.0	52	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Log	10	52		
95	4112 - Maple, Beech, Cherry Association	Poletimber Well	24.5	72	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		5	Pole	8			
Red Maple		70	Pole	9	72		
White Pine		10	Log	14			
Sugar Maple		15	Pole	9			
Sub-Canopy Species		Density	Avg. Height	Size			
Sugar Maple		Medium	10 - 20 feet	Tall Shrub			
96	42110 - Planted Red Pine	Poletimber Well	48.1	52	81-110	N/A	TCR: 41-019-15-01, Sale cut and closed.
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		5	Pole	9			
Red Pine		95	Pole	9	52		
97	42290 - Natural Mixed Pine	Poletimber Medium	22.1	52	51-80	N/A	Mixed conifer stand along creek bank with steep slopes, leave for RMZ buffer.
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		20	Pole	6			
Black Spruce		20	Pole	6			
Jack Pine		10	Pole	8			
Red Pine		25	Log	10	52		
White Pine		25	Log	10			
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Medium	5 - 10 feet	Tall Shrub			
White Pine		Medium	10 - 20 feet	Sapling			
Aspen (spp.)		Medium	10 - 20 feet	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
98	42120 - Planted Jack Pine	Sapling Well	27.5	14	Immature	N/A	Jack Pine 437/ac Red Pine 37/ac Aspen 137/ac FTP 41-1264 has been closed. Scattered large red pine																																				
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99	42110 - Planted Red Pine	Sawtimber Medium	14.9	52	111-140	N/A																																					
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Red Pine	100	Log	10	52																																							
100	4133 - Aspen, Mixed Pine	Sapling Poor	4.3	14	Immature	N/A																																					
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Jack Pine	10	Sapling	1																																								
101	3102 - Grass	Nonstocked	114.7		Unspecified	Managed Opening	Consider stand for possible future Sharptail treatments.																																				
102	42110 - Planted Red Pine	Sawtimber Medium	66.8	52	111-140	N/A																																					
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103	42110 - Planted Red Pine	Sawtimber Well	22.9	52	81-110	N/A																																					
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104	42110 - Planted Red Pine	Sawtimber Well	36.5	52	81-110	N/A																																					
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105	42200 - Natural White Pine	Sawtimber Medium	8.6	52	1-50	N/A																																					
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106	42110 - Planted Red Pine	Sapling Medium	58.3	14	Immature	N/A	FTP 41-1371, stand is free to grow Red Pine 620/ac Jack Pine 20/ac																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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107 42200 - Natural White Pine Poletimber Poor 10.0 75 1-50 N/A Hardwood/aspens cut out of the stand 20 years ago.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	75	Pole	8	75	Red Maple	Medium	5 - 10 feet	Tall Shrub
White Spruce	25	Pole	9		Aspen (spp.)	Medium	5 - 10 feet	Tall Shrub
					Balsam Fir	Medium	10 - 20 feet	Sapling
					White Pine	Low	5 - 10 feet	Tall Shrub
					Hemlock	Low	10 - 20 feet	Sapling

108 4112 - Maple, Beech, Cherry Association Sawtimber Medium 77.1 77 51-80 N/A Thinned hard 20 years ago Residual left was 50-60 BA. Regen just starting to grow and fill gaps.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	30	Log/Pole	12		Black Cherry	Low	5 - 10 feet	Tall Shrub
Red Maple	50	Log/Pole	12	77	Red Maple	High	5 - 10 feet	Tall Shrub
White Spruce	5	Log	14		Sugar Maple	Low	5 - 10 feet	Tall Shrub
White Pine	5	Log	14		Balsam Fir	Low	5 - 10 feet	Sapling
Black Cherry	10	Pole	8					

109 42200 - Natural White Pine Sawtimber Well 43.8 70 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	8		White Pine	Medium	10 - 20 feet	Sapling
Bigtooth Aspen	10	Pole	8		Hemlock	Low	5 - 10 feet	Tall Shrub
White Pine	60	Log	12	70	Balsam Fir	Medium	>20 feet	Sapling
Balsam Fir	20	Pole	6					

110 42201 - Natural White Pine, Mixed Deciduous Sapling Poor 25.6 30 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	40	Sapling/Pole	4	
White Pine	60	Sapling	4	30

111 42110 - Planted Red Pine Sawtimber Well 18.4 52 81-110 N/A Pine-cess Leia TS: 41-018-15-01 unit 8. TCR: 12/13/18

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log	14		Red Maple	Low	5 - 10 feet	Tall Shrub
Red Pine	95	Log	10	52	Black Cherry	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
112	320 - Upland Shrub	Nonstocked	33.3	0	Unspecified	4211 - Planted Red Pine	FTP 41-1582 consolidated a couple stands that were planted at different times. Red Pine 320/ac Aspen 33/ac, needs to be replanted with Red Pine. Snow damage throughout. Jack Pine planted in the NE part of the stand, north of the road is at 200/ac. This stand has been updated from a field evaluation for a project on free to grow red pine. CASP Crew interplanted 4500 RP. After 2018 regen check stand was split into two separate stands. Stand 46 will be left as is, a poorly stocked mixed conifer stand. and stand 112 will be a properly managed RP stand. stand 112 need to be sprayed then replanted. Planted to RED Pine summer 2022. 1st year check 808 TPA Spring 2023 inventory: Passed walkthrough, has a lot of Aspen regen to compete with.																																														
115	42110 - Planted Red Pine	Sawtimber Well	25.8	63	81-110	N/A																																															
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118	310 - Herbaceous Openland	Nonstocked	55.9			4211 - Planted Red Pine	Pine-cess Leia, multiple units merged into one single planting site. Site was trenched summer 2018, needs to planted to Red pine. replanted spring 2019. checked 2019, passed but needs release spray. Release spray done summer 2021. failed 3rd year check, 2021. Replanted summer 2022 1st year check 857 TPA spring 2023 inventory: looks great survival excellent.																																														
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120	122 - Road/Parking Lot	Nonstocked	3.5			No																																															
121	4113 - R.Maple, Conifer	Sawtimber Medium	6.5	77	51-80	N/A	Thinned hard 20 years ago with stand across the road to the south.																																														
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123	42110 - Planted Red Pine	Sawtimber Well	63.8	52	141-170	N/A	Parts of stand have been thinned others have not.																																														
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125	629 - Mixed non-forested wetland	Nonstocked	0.9		Unspecified	No																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
127	4112 - Maple, Beech, Cherry Association	Sawtimber Well	74.6	83	51-80	N/A	Cheewbacca hardwoods TS: 411501501 Sale closed 2017.																																				
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128	42110 - Planted Red Pine	Sapling Poor	60.2	14	Immature	N/A	Site replanted spring 2018 with RP. 2018 fall regen check failed. Checked fall 2020 for 3d season check, Failed at 324 TPA, needs replant. Trees are now 15 to 20 foot tall, but very poor stocking levels. Failed plantation																																				
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129	4112 - Maple, Beech, Cherry Association	Sawtimber Well	1.3	83	81-110	N/A																																					
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131	42200 - Natural White Pine	Sawtimber Well	3.4	43	51-80	N/A																																					
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132	42201 - Natural White Pine, Mixed Deciduous	Sapling Poor	28.7	30	1-50	N/A	White Pine succession, let stand continue to fill in naturally. A few larger WP seed trees throughout stand.																																				
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133	42110 - Planted Red Pine	Sawtimber Well	127.8	63	111-140	N/A																																					
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134	42200 - Natural White Pine	Poletimber Poor	21.1	43	1-50	N/A																																					
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136	42210 - Natural Red Pine	Sawtimber Well	9.3	56	51-80	N/A	buffer area for cold creek															
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137	310 - Herbaceous Openland	Nonstocked	7.9		Immature	4211 - Planted Red Pine	TCR: 41-019-15-01, Sale cut and closed. Unit was trenched 7/18/17 by DNR staff. Replanted spring 2018 to RP. Passed first year check, fall 2018. Fail fall 2020 3rd season check at 564 TPA. Needs replant. Replanted spring 2021. 1st year check fall 2021 passed. spring 23 inventory: walk through looks like a pass															
138	3102 - Grass	Nonstocked	4.1			No																
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