



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41087

Entry Year 2023

Acreage: 1,770

County Schoolcraft

Management Area: Garden Thompson Plains

Stand Examiner: Tori Irving

Legal Description:

T41N R17W Sec 31, 32, 33

Identified Planning Goals:

The main goal in this compartment is to conduct multiple resource management for the good of the citizens of the State of Michigan.

Soil and topography:

The soils in this compartment mainly consist of Wallace and Wallace Sands and Carbondale. The terrain is flat to rolling.

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

Ownership in the compartment is fairly contiguous; there is only one private block in the compartment most of which is an old Township Cemetery. This compartment is the furthest westerly compartment to what is commonly termed the Thompson Plains which is mainly all state land. The Hiawatha National Forest borders on the west

Unique Natural Features:

Archeological, Historical, and Cultural Features:

Section 33 contains the Old Inwood Township Cemetery.

Special Management Designations or Considerations:

The compartment is within the Garden Thompson Plain Management Area. The area around Michaud and Tighe Lakes is part of an Intermittent Wetland ERA. A portion of the compartment is also considered a Deeryard.

Watershed and Fisheries Considerations:

This compartment contains headwater reaches of Spring Creek, Tighe Lake, Michaud Lake, and several unnamed waterbodies.

Spring Creek is designated a Type 1 trout stream less than 50' width and has a predicted mean July temperature of 62.2 °F (cold stream). A 300' buffer is recommended for Spring Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

For Tighe Lake, Michaud Lake, and unnamed waterbodies 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Compartment 87 lies within eastern Delta county at the top of the Garden Peninsula in the Escanaba/Door Peninsula ecological sub-subsection and is a part of the Garden Thompson Plains Management area with American woodcock, ruffed grouse, white-tailed deer and wild turkey as featured species. This compartment is also part of the Garden Grade Grouse Enhanced Management Site (GEMS). The growing season is approximately 140 days. Extreme minimum winter temperature is -35 F. Snowfall in this area is relatively light averaging about 70 inches per year. Pre-settlement notes showed some forest stands contained deciduous species such as beech, sugar maple, hemlock, and yellow birch. Others held red, white, and jack pine. In section 23, the pine forest contained interspersed open plains. Comments were made regarding the regenerating forest within burned over and windthrow stands of pine. Aspen, white birch, balsam fir, and pine saplings were found in these situations. Cedar was the dominant forest type in the lowlands; however, tamarack and spruce were also common. Surveyors also found evidence of fire within the cedar stands. Upland conditions within this compartment today are substantially different from those at the time of the original survey. Oak, aspen, and red pine plantation dominate the upland forest types. Lowlands appear to be similar in species composition to the pre-settlement vegetation, however, the age and structure has changed. Wildlife habitat management objectives for this compartment are diverse. GEMS forest stands will be managed according

to the Garden Grade GEMS management plan. Priority habitat objectives include promoting age and structural diversity within the early successional forest types, managing oak for optimum mast production and maintaining closed canopy hemlock stands. Other wildlife priorities include maintaining open-land habitat, retaining soft and hard mast producing species in harvested stands and ensuring connectivity of forest types along the Lake Michigan shoreline for neotropical migrants. Other wildlife species of interest include the common loon, bald eagle, gray wolf, ovenbird, downy woodpecker, gray squirrel, and red fox.

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 metallic mineral potential in this area. Multiple active aggregate production sites are within two miles of the compartment to the west and southwest. There appears to be some potential for sand & gravel and/or bedrock limestone beneath the compartment. The State-owned Roberts Pit, just over two miles south, is currently leased to the County Road Commission. The State does not own all the mineral rights within the compartment and may or may not own the rights to the non-metallic minerals depending on deed language. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

With the exception of section 31 there are numerous two-tracks within the compartment and US-2, the Upper Peninsula's main trunk line runs the entire north edge.

Survey Needs:

None.

Recreational Facilities and Opportunities:

There is a snowmobile trail that runs along the west edge of the compartment into the town of Cooks. The area is heavily used by sportsman mainly hunters due to good high ground access and relatively good cover for game birds and deer.

Fire Protection:

The area has good access and is relatively close for fire response.

Additional Compartment Information:

The following reports from the Inventory are attached:

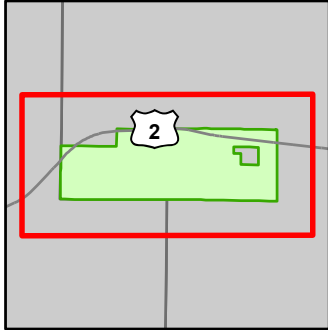
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

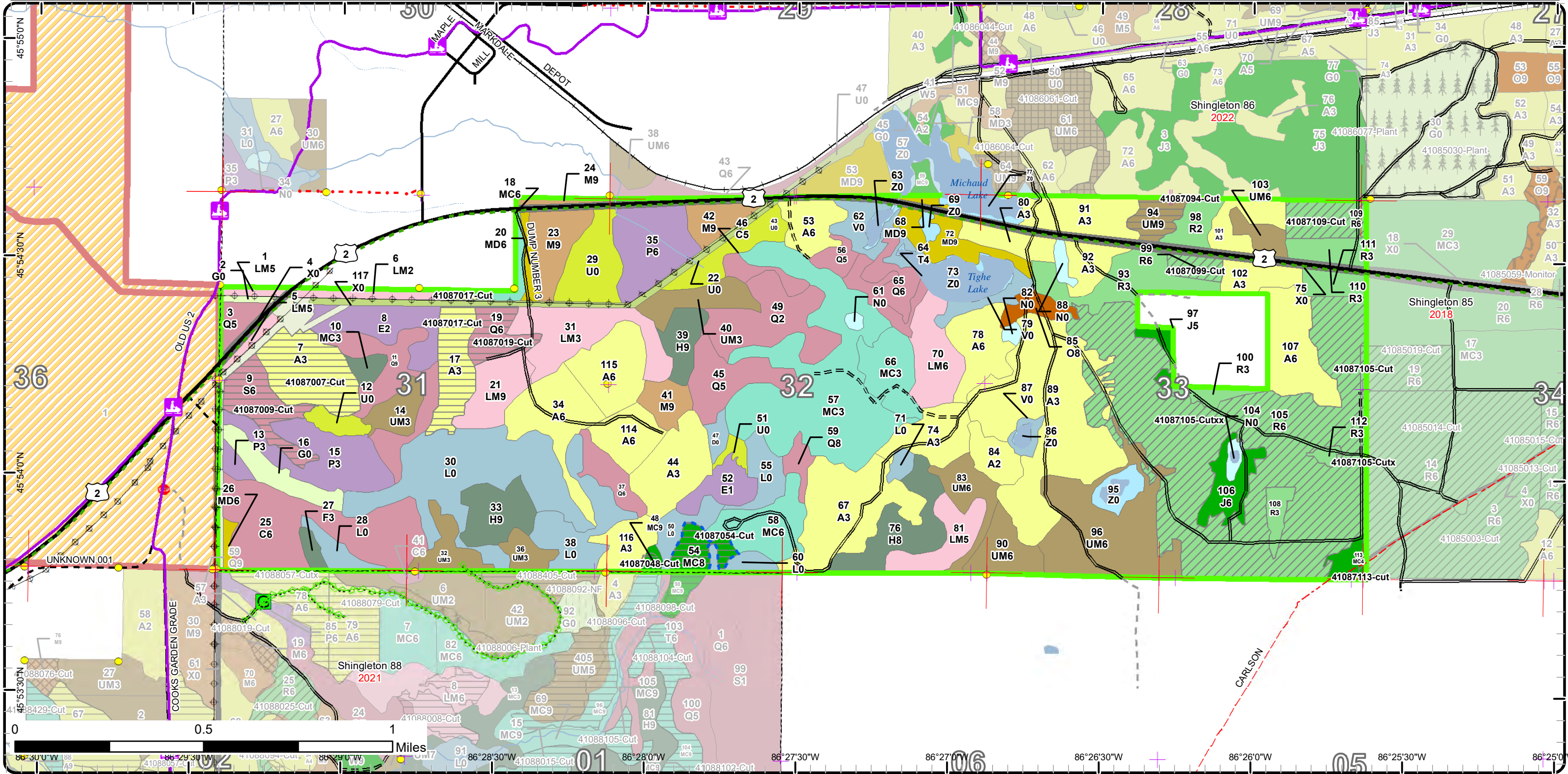
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 87
 T41N, R17W, Sec. 31-33
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Garden Thompson
 Plains
 YOE: 2023
 Acres: 1770.2 GIS Calculated
 Examiner: Tori Irving
 Map Revised: 1/28/2022
 Map Phase: Post Review

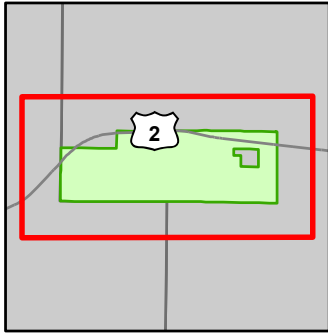


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- DNR - Management Access
- Active Railroads
- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Hunter Walking Trails
- Designated Snowmobile Trails
- G Gate
- C Culvert
- S Sign
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

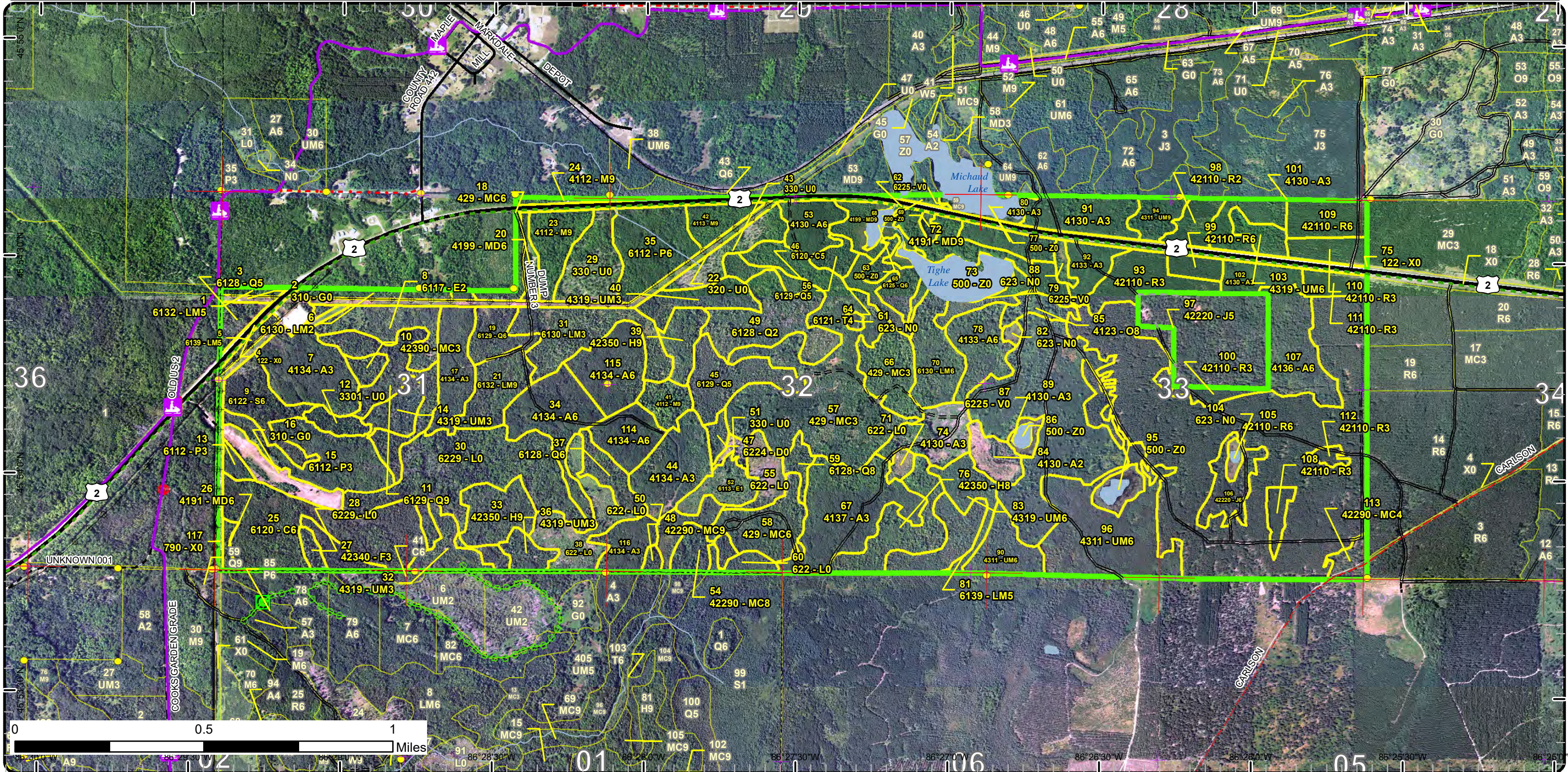


Stand Boundary Map

Compartment: 87
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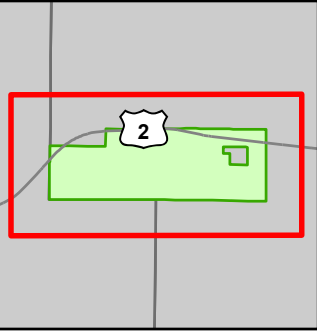


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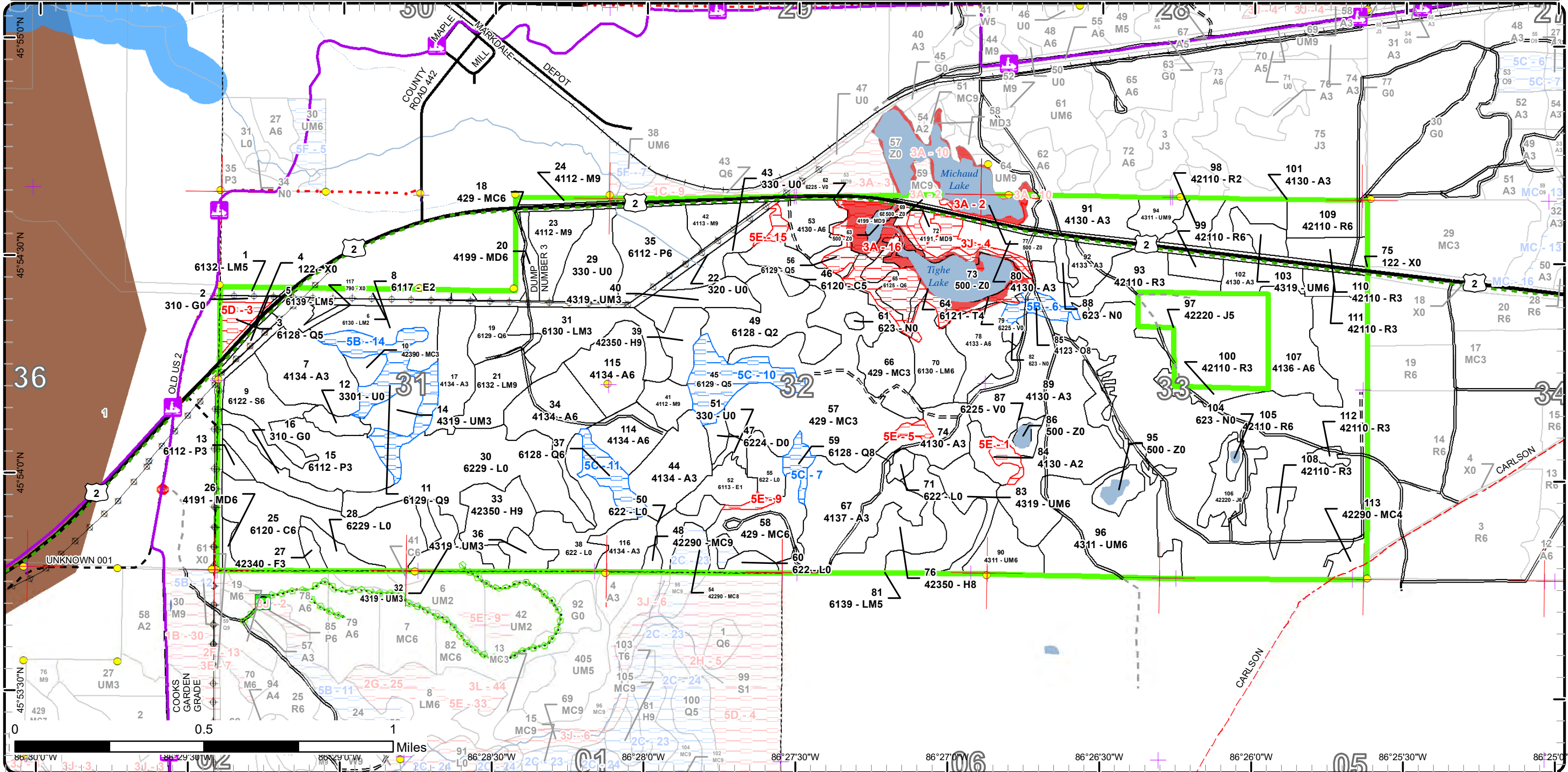


Special Conservation Areas

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- Lake/Pond
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- Lakes and Rivers
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	26	79	54	233	0	0	0	0	0	0	0	0	0	0	0	0	9	399
Bare/Sparsely Vegetated	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Bog	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Cedar	0	0	0	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	57
Hemlock	0	0	0	0	0	0	0	0	0	0	0	22	27	0	0	0	0	0	49
Herbaceous Openland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Jack Pine	0	0	0	0	12	4	0	0	0	0	0	0	0	0	0	0	0	0	16
Low-Density Trees	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
Lowland Aspen/Balsam Poplar	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	58
Lowland Conifers	0	0	0	29	0	0	0	0	0	25	61	6	0	0	0	0	0	0	120
Lowland Deciduous	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Lowland Mixed Forest	0	0	35	0	34	0	0	0	0	3	17	3	0	0	0	0	0	0	90
Lowland Shrub	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	17	0	0	0	0	0	0	0	0	17
Marsh	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mixed Upland Deciduous	0	0	0	0	5	0	0	0	0	14	4	0	0	0	0	0	0	0	23
Natural Mixed Pines	0	0	0	0	0	6	0	0	0	0	11	0	0	0	0	0	0	0	17
Northern Hardwood	0	0	0	0	0	0	0	0	0	26	8	0	0	0	0	0	0	0	34
Oak	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	6
Red Pine	0	0	0	47	32	0	0	0	200	0	0	0	0	0	0	0	0	0	279
Tamarack	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	8
Treed Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Conifers	0	0	0	101	24	0	0	5	0	0	0	0	0	0	0	0	0	0	130
Upland Mixed Forest	0	0	0	18	106	0	0	0	8	0	0	0	0	0	0	0	0	0	132
Upland Shrub	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Upland Spruce/Fir	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Urban	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Water	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Total	301	26	144	252	504	10	0	5	208	100	158	31	27	0	0	0	0	9	1767



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 87

Total Compartment Acres: 1,770

Commercial Harvest - 305
 Harvests with Site Condition - 9
 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	47	0	0	0	0	0	0	0	0	47
Lowland Conifers	11	0	0	0	0	0	0	0	0	11
Lowland Spruce/Fir	17	0	0	0	0	0	0	0	0	17
Natural Mixed Pines	10	0	0	0	0	1	0	0	0	12
Red Pine	0	0	0	0	0	219	0	0	0	219
Upland Mixed Forest	8	0	0	0	0	0	0	0	0	8
Total	94	0	0	0	0	220	0	0	0	314

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	314	0	0	0	0	0	0	0	0	314
Next Step	0	0	0	0	0	0	94	0	0	94
Total	314	0	0	0	0	0	94	0	0	407



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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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Approved Treatments:

7	41087007-Cut	27.2	4134 - Aspen, Spruce/Fir	Sapling Well	35	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak where present. Two-inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs per acre. Do not cut serviceberry and dogwood.</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> Aspen regeneration is expected, however mixed deciduous and coniferous containing open pockets is acceptable.</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 /2026</p>											
9	41087009-Cut	17.3	6122 - Black Spruce Poletimber	Well	85	Unspecified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Cut all trees except cedar and hemlock. Leave retention along edges in the southwest portion of the stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of species will be considered acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> Winter cut only due to lowland and drainages in adjacent stand.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
17	41087017-Cut	19.3	4134 - Aspen, Spruce/Fir	Sapling Well	35	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak where present. Two-inch spec should be used on hardwood trees. Minimize impacts to snowmobile trail if possible. Less than 3% retention is acceptable to promote best possible aspen regeneration. Leave at minimum 1, 8 inch, 8 feet long log on site for drumming logs per acre. Do not cut serviceberry and dogwood.</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> Aspen regeneration is expected, however mixed deciduous and coniferous containing open pockets is acceptable.</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 /2026</p>											



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
19	41087019-Cut	11.1	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	91	Unspecified	Harvest	Clearcut with Retention	6129 - Mixed Coniferous Lowland Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees. Exclude the south west portion of the stand that has a thicker cedar component.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of species will be considered acceptable.</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											
48	41087048-Cut	1.3	42290 - Natural Mixed Pine	Sawtimber Well	94	111-140	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Cut all trees except hemlock and oak. Retention will be located in river buffer which will be 100 feet.</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</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
54	41087054-Cut	9.0	42290 - Natural Mixed Pine	Sawtimber Medium	99	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> Cut all species except hemlock and oak. Retention will be located in the 100 foot river buffer.</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</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u> Best crossing would be crane mat bridge over a creek that measures about 2 feet across.</p> <p><u>Site Condition</u> Engineered Bridge Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
94	41087094-Cut	8.3	4311 - Pine, Aspen Mix	Sawtimber Well	79	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees. Leave scattered white pine through the stand. Do not cut any oak, hemlock, or cedar if found in the stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of species currently found onsite.</p> <p><u>Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</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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99 41087099-Cut	5.4	42110 - Planted Red Pine	Poletimber Well	35	111-140	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	No
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Prescription Remove approximately one third of the stand volume to improve spacing. Harvest every third row. If rows are not present or well defined, Specs: remove approximately one third of the stand's current basal area.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

105 41087105-Cut	1.2	42110 - Planted Red Pine	Poletimber Well	72	81-110	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Remove 1/3 of stand by cutting every 3rd row. Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/24/2017

105 41087105-Cutx	3.9	42110 - Planted Red Pine	Poletimber Well	72	81-110	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Mark to cut reducing residual BA to 120 sqft. Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/24/2017

105 41087105-Cutxx	195.0	42110 - Planted Red Pine	Poletimber Well	72	81-110	Harvest	Crown Thinning	42110 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand to improve spacing. Target residual 120 BA. Some areas of the stand may be lower. Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /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
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109 41087109-Cut	13.6	42110 - Planted Red Pine	Poletimber Well	35	111-140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Remove approximately one third of the stand volume to improve spacing. Harvest every third row. If rows are not present or well defined, Specs: remove approximately one third of the stand's current basal area.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

113 41087113-cut	1.2	42290 - Natural Mixed Pine	Poletimber Poor	44	51-80	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Mark to cut reducing residual BA to 120 sqft.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/30/2017

Total Treatment 313.8
Acreage Proposed:

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 87

Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions								
		With Condition	Not Available		2C	5B	5C	3A	3J	5D	5E		
400	394	0	6	Aspen				0					6
13	13	0	0	Bare/Sparsely Vegetated									
21	4	0	17	Bog				17					
57	57	0	0	Cedar									
49	49	0	0	Hemlock									
14	14	0	0	Herbaceous Openland									
16	16	0	0	Jack Pine									
40	37	0	2	Low-Density Trees									2
58	58	0	0	Lowland Aspen/Balsam Poplar									
121	42	60	18	Lowland Conifers		26	34	13			6		
30	30	0	0	Lowland Deciduous									
92	90	0	2	Lowland Mixed Forest				2					
116	114	0	2	Lowland Shrub		0							2
17	17	0	0	Lowland Spruce/Fir									
8	8	0	0	Marsh									
23	9	0	14	Mixed Upland Deciduous				5	9				
17	8	9	0	Natural Mixed Pines	9								
35	35	0	0	Northern Hardwood									
7	0	6	0	Oak		6		0					
279	279	0	0	Red Pine				0					
8	2	0	6	Tamarack				6					
3	3	0	0	Treed Bog									
130	130	0	0	Upland Conifers			0	0					
131	131	0	0	Upland Mixed Forest		0							
14	14	0	0	Upland Shrub									
3	3	0	0	Upland Spruce/Fir									
34	34	0	0	Urban				0					
37	10	0	27	Water				27					
1,770	1,601	75	95	Total Forested Acres	9	32	34	71	9	6	10		
	90%	4%	5%	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.

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 87

Year of Entry: 2023

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3A: Conservation Values incompatible with harvest at this time	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	5D: Unproductive Forest Land	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Adjacent to ERA							
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5B: Maintain for regeneration purposes	6	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

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Compartment: 87

Year of Entry: 2023

7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5B: Maintain for regeneration purposes	26	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 87

Year of Entry: 2023

16	Unavailable	3A: Conservation Values incompatible with harvest at this time	62	Unspecified	Unspecified	Unspecified	Unspecified
Comments: bog ERA							

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 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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	2.5	100	Unspecified	N/A	There is a lot of dead wood within stand. This stand sits adjacent US-2 and has a creek flowing through it.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole	7		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Tamarack	3	Pole	7		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	7	Pole	8					
White Pine	10	Log/Pole	11					
Red Maple	23	Pole/Log	9	100				
Black Spruce	17	Pole	8					
Black Ash	7	Pole	7					
Paper Birch	3	Pole	8					
Northern White Cedar	20	Pole	8	100				

2	310 - Herbaceous Openland	Nonstocked	1.7		Unspecified	No	
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3	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	5.9	100	Unspecified	N/A	There is a lot of dead wood within stand. Very volume and low quality. This stand sits adjacent US-2 and has a creek flowing through it.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	17	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Ash	7	Pole	8		Balsam Fir	Medium	Variable	Sapling
Red Maple	23	Pole/Log	9	100				
Northern White Cedar	23	Pole	8					
Balsam Fir	7	Pole	8					
White Pine	10	Log/Pole	11					
Bigtooth Aspen	10	Pole	8					
Tamarack	3	Pole	8					

4	122 - Road/Parking Lot	Nonstocked	3.9		Unspecified	No	
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5	6139 - Mixed Lowland Forest	Poletimber Medium	2.9	87	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	25	Pole/Log	10	87	Quaking Aspen	Low	5 - 10 feet	Sapling
Black Spruce	10	Pole	9		Balsam Fir	Medium	Variable	Sapling
Hemlock	12	Pole/Log	9		Black Spruce	Low	Variable	Sapling
Quaking Aspen	20	Pole/Log	9		Red Maple	Medium	5 - 10 feet	Sapling
Tamarack	2	Pole	8		Tag Alder	High	5 - 10 feet	Tall Shrub
Paper Birch	5	Pole	9					
Northern White Cedar	6	Pole	7					
Balsam Fir	8	Pole	7					
White Pine	12	Log/Pole	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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6	6130 - Fir, Aspen, Maple	Sapling Medium	7.3	17	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	22	Sapling	1	17
Black Spruce	7	Sapling	1	
Quaking Aspen	21	Sapling	1	
Northern White Cedar	18	Pole	9	
Balsam Fir	18	Sapling	1	
Balsam Poplar	11	Sapling	1	
Hemlock	3	Pole	9	

7	4134 - Aspen, Spruce/Fir	Sapling Well	27.2	35	Unspecified	N/A	GEMS treatment planned in 2027
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	30	Sapling/Pole	3	
Red Maple	6	Sapling/Pole	3	
White Spruce	8	Sapling/Pole	3	
Quaking Aspen	30	Sapling/Pole	3	35
Northern White Cedar	2	Pole	6	
Bigtooth Aspen	24	Sapling/Pole	3	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	< 5 feet	Sapling
Pin Cherry	Low	5 - 10 feet	Tall Shrub
Red Maple	Low	< 5 feet	Sapling

8	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	18.9	17	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	22	Sapling	1	
Hemlock	3	Pole	9	
Balsam Poplar	12	Sapling	1	
White Pine	3	Sapling	1	
Quaking Aspen	25	Sapling	1	17
Northern White Cedar	6	Pole	9	
Red Maple	23	Sapling	1	
Black Spruce	6	Sapling	1	

9	6122 - Black Spruce	Poletimber Well	17.3	85	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	10	Pole	9	
Tamarack	5	Pole/Log	9	
Black Spruce	70	Pole	8	85
Hemlock	2	Pole/Log	9	
Paper Birch	3	Pole	8	
White Pine	10	Log/XLog/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	Sapling
Black Spruce	Low	Variable	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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10	42390 - Mixed Non-Pine Upland Conifers	Sapling Well	4.0	35	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		20	Sapling	2		Tag Alder	
Hemlock		10	Pole/Log	10		Low	
Red Maple		10	Pole/Log/Sap	8		5 - 10 feet	
Northern White Cedar		10	Pole	9		Tall Shrub	
Balsam Fir		25	Sapling	2	35		
White Pine		15	Log/XLog/Pole	14			
Quaking Aspen		5	Sapling	2			
Tamarack		5	Sapling	2			

11	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	25.8	96	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		4	Log/Pole	10		Black Spruce	
Northern White Cedar		36	Pole	8	96	Medium	
Paper Birch		4	Pole/Log	9		Variable	
White Pine		12	Log/XLog/Pole	14		Sapling	
Balsam Fir		5	Pole	8		Tag Alder	
Hemlock		10	Log/Pole	10		Medium	
Black Spruce		29	Pole	7		5 - 10 feet	
						Tall Shrub	
						Sapling	

12	3301 - Low Density Deciduous Trees	Nonstocked	5.2	0	Unspecified	4191 - Mixed Upland Deciduous with Conifer	Stand was cut as part of Sale #41-052-13-01 Swamp Stomp Boogie. TCR Date 5/15/17.
							Stand is slowly starting to fill in with mixed deciduous species.

13	6112 - Lowland Aspen	Sapling Well	3.1	34	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		45	Sapling/Pole	3	34	Pin Cherry	
Red Maple		15	Sapling/Pole	4		Medium	
Bigtooth Aspen		10	Sapling/Pole	4		5 - 10 feet	
Paper Birch		3	Pole/Sapling	5		Tall Shrub	
Black Cherry		4	Sapling/Pole	4		Balsam Fir	
Yellow Birch		3	Pole/Sapling	5		Low	
Balsam Fir		20	Pole/Sapling	5		Variable	
						Sapling	
						Tag Alder	
						Medium	
						< 5 feet	
						Tall Shrub	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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14	4319 - Mixed Upland Forest	Sapling Well	9.3	35	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		2	Sapling/Pole	3		Red Maple	
Black Spruce		17	Sapling/Pole	4		Black Spruce	
Bigtooth Aspen		17	Sapling/Pole	4		Balsam Fir	
White Pine		2	Log/Pole	11			
Quaking Aspen		32	Sapling/Pole	4	35		
Tamarack		5	Sapling	3			
Balsam Fir		25	Sapling/Pole	4			
Density		Avg. Height	Size				
Low		< 5 feet	Sapling				
Low		< 5 feet	Sapling				
Low		< 5 feet	Sapling				

15	6112 - Lowland Aspen	Sapling Well	29.1	32	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		15	Pole/Sapling	4		Balsam Fir	
Balsam Poplar		5	Sapling/Pole	4		Tag Alder	
Quaking Aspen		46	Sapling/Pole	4	32	Pin Cherry	
Northern White Cedar		5	Pole	7			
Red Maple		15	Sapling/Pole	3			
Black Spruce		14	Sapling/Pole	3			
Density		Avg. Height	Size				
Medium		< 5 feet	Sapling				
Medium		5 - 10 feet	Tall Shrub				
Low		5 - 10 feet	Tall Shrub				

16	310 - Herbaceous Openland	Nonstocked	12.3		Unspecified	No	
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17	4134 - Aspen, Spruce/Fir	Sapling Well	19.3	35	Unspecified	N/A	GEMS treatment planned in 2027
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		28	Sapling/Pole	4		Pin Cherry	
Red Maple		4	Sapling	3		Balsam Fir	
Black Cherry		2	Sapling	3			
Quaking Aspen		46	Sapling/Pole	4	35		
Bigtooth Aspen		20	Sapling/Pole	4			
Density		Avg. Height	Size				
Low		< 5 feet	Tall Shrub				
Medium		< 5 feet	Sapling				

18	429 - Mixed Upland Conifers	Poletimber Well	4.9	65	51-80	N/A	Stand was acquired from federal lands and planting record is not available.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		10	Pole/Log	9		Balsam Fir	
Paper Birch		5	Pole/Log	9		Red Maple	
White Pine		2	Log/XLog	15		Quaking Aspen	
White Spruce		53	Pole	8	65		
Red Maple		15	Pole/Log	9			
Northern White Cedar		15	Pole	8			
Density		Avg. Height	Size				
Low		Variable	Sapling				
Low		< 5 feet	Sapling				
Low		< 5 feet	Sapling				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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19 6129 - Mixed Coniferous Lowland Forest Poletimber Well 11.1 91 Unspecified N/A Stand is a mix of spruce and cedar.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	4	Pole	7		Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	45	Pole/Log	9	91	Balsam Fir	Medium	Variable	Sapling
Red Maple	4	Pole	7					
Hemlock	3	Pole	6					
Black Spruce	44	Pole/Log	9					

20 4199 - Other Mixed Upland Deciduous Poletimber Well 4.7 36 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	4	Pole/Sapling	6		Red Maple	Medium	5 - 10 feet	Sapling
White Pine	2	Sapling/Pole	4		Balsam Fir	Medium	5 - 10 feet	Sapling
Paper Birch	6	Pole/Sapling	6		Sugar Maple	Medium	5 - 10 feet	Sapling
Jack Pine	6	Sapling/Pole	5		Pin Cherry	Medium	5 - 10 feet	Tall Shrub
Sugar Maple	2	Pole/Sapling	7					
Quaking Aspen	29	Pole/Sapling	6					
Black Cherry	10	Pole/Sapling	6					
Red Maple	33	Pole/Sapling	7	36				
Balsam Fir	8	Pole/Sapling	7					

21 6132 - Mixed Lowland Forest with Cedar Sawtimber Well 16.5 95 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	4	Log/Pole	12		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Maple	45	Log/Pole	11	95	Black Spruce	Low	5 - 10 feet	Sapling
Northern White Cedar	25	Pole/Log	9		Red Maple	Low	5 - 10 feet	Sapling
Balsam Fir	4	Pole	8		Balsam Fir	Medium	Variable	Sapling
Paper Birch	4	Pole	9					
Hemlock	18	Log/Pole	12					

22 320 - Upland Shrub Nonstocked 14.5 Unspecified No

23 4112 - Maple, Beech, Cherry Association Sawtimber Well 14.6 87 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	2	Log/Pole	11		Balsam Fir	Low	Variable	Sapling
Sugar Maple	40	Log/Pole	12		Beech	Medium	10 - 20 feet	Sapling
Black Cherry	2	Log/Pole	10		Red Maple	Low	10 - 20 feet	Sapling
Beech	6	Pole/Log	10		Sugar Maple	High	10 - 20 feet	Sapling
Red Maple	50	Log/Pole/XLog	12	87	Pin Cherry	Low	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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24 4112 - Maple, Beech, Cherry Association Sawtimber Well 2.8 81 81-110 N/A Sliver of land north of US-2, small area of low ground on west side.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	43	Pole/Log	10	81	Balsam Fir	Medium	Variable	Sapling
Black Spruce	2	Pole	8		Hemlock	Medium	10 - 20 feet	Sapling
Beech	8	Pole/Log	9		Red Maple	Low	10 - 20 feet	Sapling
Hemlock	5	Log/XLog/Pole	10		Pin Cherry	Low	5 - 10 feet	Sapling
Paper Birch	10	Pole	8		Beech	Medium	10 - 20 feet	Tall Shrub
Red Maple	29	Pole/Log	10					
White Pine	3	Log/XLog	14					

25 6120 - Lowland Cedar Poletimber Well 51.4 93 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	7	Pole/Log	10		Red Maple	Low	< 5 feet	Sapling
Northern White Cedar	55	Pole	8	93	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Paper Birch	7	Pole	9		Black Spruce	Low	Variable	Sapling
Hemlock	10	Log/Pole/XLog	12		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	6	Pole	8					
Black Spruce	15	Pole	8					

26 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 2.4 90 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	54	Pole/Log	10	90	Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	6	Pole	9		Black Spruce	Low	Variable	Sapling
Balsam Fir	15	Pole	8		Red Maple	Low	5 - 10 feet	Sapling
Paper Birch	16	Pole/Log	10					
Hemlock	4	Pole/Log	10					
Black Spruce	5	Pole	7					

27 42340 - Upland Spruce/Fir Sapling Well 3.1 25 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	8	Sapling	3		Red Maple	Low	< 5 feet	Sapling
Balsam Fir	57	Sapling	3	25				
Red Maple	5	Sapling	3					
White Pine	2	Log/Pole	12					
Quaking Aspen	20	Sapling	3					
Hemlock	8	Pole/Log	8					

28 6229 - Mixed lowland shrub Nonstocked 6.5 0 Unspecified 6122 - Black Spruce Stand was cut as part of Sale #41-052-13-01 Swamp Stomp Boogie. TCR Date 5/15/2017.

Stand is starting to fill in with deciduous species. Some conifer species are starting to fill in.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	330 - Low-Density Trees	Nonstocked	19.1	0	Unspecified	4319 - Mixed Upland Forest	[5/18/2017 TI] Stand was cut as part of Three Ways In Sale # 41-025-13-01. TCR date 5-15-2017.
30	6229 - Mixed lowland shrub	Nonstocked	61.4	0	Unspecified	6128 - Lowland Coniferous, Mixed Deciduous	Stand was cut as part of Sale #41-052-13-01 Swamp Stomp Boogie. TCR Date 5/15/2017. Stand is starting to fill in with deciduous species. Conifer regeneration is starting but still sparse.

31	6130 - Fir, Aspen, Maple	Sapling Well	28.1	18	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	5	Sapling	1	
Balsam Fir	28	Sapling	2	
Hemlock	15	Log/Pole	10	
Red Maple	35	Sapling	1	18
Northern White Cedar	5	Pole	8	
Quaking Aspen	10	Sapling	1	
White Pine	2	Log/Pole/XLog	12	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	Tall Shrub

32	4319 - Mixed Upland Forest	Sapling Well	10.8	24	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	27	Sapling	3	24
White Pine	6	Log/Pole/XLog	16	
Balsam Poplar	5	Sapling	3	
Northern White Cedar	4	Pole/Log	9	
Red Maple	18	Sapling	3	
White Spruce	14	Sapling	2	
Hemlock	3	Pole/Log	9	
Quaking Aspen	18	Sapling	3	
Black Spruce	5	Sapling	2	

33	42350 - Upland Hemlock	Sawtimber Well	16.9	116	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	4	Pole/Log	9	
Black Spruce	6	Pole	8	
Red Maple	5	Log/Pole	11	
White Pine	5	XLog/Log	18	
Paper Birch	2	Pole	8	
Hemlock	78	Log/Pole/XLog	10	116

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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34	4134 - Aspen, Spruce/Fir	Poletimber Well	25.5	33	Unspecified	N/A	GEMS treatment planned in 2037
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Poplar	10	Pole/Sapling	4	
Bigtooth Aspen	35	Pole/Sapling	4	33
Red Maple	10	Sapling	3	
Balsam Fir	35	Sapling/Pole	3	
Quaking Aspen	10	Pole/Sapling	4	

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Low	5 - 10 feet	Tall Shrub

35	6112 - Lowland Aspen	Poletimber Well	25.7	39	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Sapling/Pole	3	
Balsam Fir	10	Sapling/Pole	4	
Quaking Aspen	30	Sapling/Pole	3	39
White Spruce	4	Sapling/Pole	3	
Bigtooth Aspen	16	Sapling/Pole	4	
Red Maple	20	Sapling/Pole	4	
Balsam Poplar	10	Sapling/Pole	3	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	< 5 feet	Sapling
Tag Alder	Low	< 5 feet	Tall Shrub

36	4319 - Mixed Upland Forest	Sapling Well	6.7	25	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	30	Sapling	3	
White Pine	10	Sapling/Pole/Log	3	
Balsam Fir	33	Sapling/Pole	4	25
Hemlock	2	Sapling/Pole	4	
White Spruce	5	Sapling	3	
Red Maple	15	Sapling	3	
Black Spruce	5	Sapling	3	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	< 5 feet	Sapling
Balsam Fir	Medium	< 5 feet	Sapling

37	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	9.5	98	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	15	Pole	7	
Northern White Cedar	40	Pole	8	98
Paper Birch	5	Pole/Log	9	
Black Ash	5	Pole	6	
Red Maple	10	Log/Pole	11	
Tamarack	25	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	Tall Shrub
White Pine	Low	< 5 feet	Sapling
Black Spruce	Medium	Variable	Sapling
Tamarack	Low	5 - 10 feet	Sapling

38	622 - Lowland Shrub	Nonstocked	22.2		Unspecified	Managed Opening	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
39	42350 - Upland Hemlock	Sawtimber Well	10.2	112	Unspecified	N/A																																																				
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40	4319 - Mixed Upland Forest	Sapling Well	13.2	33	1-50	N/A																																																				
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41	4112 - Maple, Beech, Cherry Association	Sawtimber Well	8.4	91	51-80	N/A																																																				
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42	4113 - R.Maple, Conifer	Sawtimber Well	8.9	84	51-80	N/A																																																				
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White Spruce	Low	Variable	Sapling																																																							
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43	330 - Low-Density Trees	Nonstocked	12.8	0	Unspecified	4191 - Mixed Upland Deciduous with Conifer	[5/18/2017 TI] Stand was cut as part of Three Ways In Sale # 41-025-13-01. TCR date 5-15-2017.																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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44	4134 - Aspen, Spruce/Fir	Sapling Well	23.2	24	Unspecified	N/A	GEMS treatment planned in 2037
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Sapling	3		Pin Cherry	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	35	Sapling/Pole	3	24				
White Pine	2	Log/XLog	16					
Quaking Aspen	27	Sapling/Pole	3					
White Pine	2	Sapling	1					
Red Maple	8	Sapling	2					
Black Spruce	6	Sapling	2					

45	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	19.9	89	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	25	Pole	8		Tag Alder	High	5 - 10 feet	Tall Shrub
Tamarack	22	Pole	8		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	25	Pole/Sapling	6	89				
Hemlock	15	Log/Pole	10					
Red Maple	3	Pole/Log	9					
White Pine	10	Log/XLog/Pole	12					

46	6120 - Lowland Cedar	Poletimber Medium	5.5	95	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Pole	8	95	Black Spruce	Medium	Variable	Sapling
Hemlock	25	Pole	8		Hemlock	Medium	< 5 feet	Sapling
Black Spruce	5	Pole	8		Balsam Fir	Medium	Variable	Sapling
Red Maple	10	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Ash	10	Pole	8					

47	6224 - Treed Bog	Nonstocked	3.3		Unspecified	No	
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48	42290 - Natural Mixed Pine	Sawtimber Well	1.9	94	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	46	Log/XLog/Pole	14	94	Balsam Fir	Medium	Variable	Sapling
Red Maple	8	Pole/Log	10		Black Spruce	Medium	Variable	Sapling
Black Spruce	15	Pole	8		Red Maple	Low	5 - 10 feet	Sapling
White Pine	31	Log/XLog/Pole	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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49 6128 - Lowland Coniferous, Mixed Deciduous Sapling Medium 29.4 24 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	9	Sapling/Pole	4		Tag Alder	Medium	< 5 feet	Tall Shrub
Tamarack	12	Sapling	2					
Red Maple	10	Sapling	3					
Black Spruce	10	Sapling	2					
White Pine	11	Sapling	2					
Balsam Fir	13	Sapling	3	24				
White Pine	4	Log/XLog	14					
Quaking Aspen	10	Sapling	3					
Northern White Cedar	13	Pole/Log	8					
Hemlock	8	Log/Pole	12					

50 622 - Lowland Shrub Nonstocked 8.0 Unspecified No

51 330 - Low-Density Trees Nonstocked 2.7 0 Unspecified 6129 - Mixed Coniferous Lowland Forest [5/18/2017 TI] Stand was cut as part of Three Ways In Sale # 41-025-13-01. TCR date 5-15-2017.

Stand is starting to fill in with deciduous species.

52 6113 - Lowland Maple Sapling Poor 10.6 15 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	8	Sapling	1		Tag Alder	Medium	< 5 feet	Tall Shrub
Balsam Fir	12	Sapling	3					
Black Spruce	5	Sapling	2					
Red Maple	65	Sapling	1	15				
Hemlock	10	Log/Pole	10					

53 4130 - Aspen Poletimber Well 12.2 39 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	50	Pole/Sapling	4	39	Pin Cherry	Low	< 5 feet	Tall Shrub
Red Maple	10	Sapling/Pole	3		Balsam Fir	Low	< 5 feet	Sapling
Balsam Fir	6	Sapling/Pole	3		Red Maple	Medium	< 5 feet	Sapling
Paper Birch	15	Sapling/Pole	3					
White Pine	2	Sapling/Pole	3					
Quaking Aspen	15	Pole/Sapling	4					
Hemlock	2	Pole/Sapling	4					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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54 42290 - Natural Mixed Pine Sawtimber Medium 9.0 99 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	35	Log/XLog/Pole	14	99	Black Spruce	Medium	10 - 20 feet	Sapling
White Pine	35	Log/XLog/Pole	14		Quaking Aspen	Medium	10 - 20 feet	Sapling
Hemlock	30	Log/Pole/XLog	12		Red Pine	Low	10 - 20 feet	Sapling
					Red Maple	High	10 - 20 feet	Sapling
					White Pine	Low	10 - 20 feet	Sapling
					Balsam Fir	High	10 - 20 feet	Sapling

55 622 - Lowland Shrub Nonstocked 9.7 0 Unspecified 6124 - Lowland Spruce-Fir [5/18/2017 TI] Stand was cut as part of Three Ways In Sale # 41-025-13-01. TCR date 5-15-2017.

Stand is starting to fill in with deciduous species. Coniferous species are starting to seed in.

56 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 5.0 89 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	26	Pole/Log	9		Tamarack	Medium	Variable	Sapling
White Pine	34	Log/XLog/Pole	14		White Spruce	Low	< 5 feet	Sapling
Jack Pine	2	Pole/Log	9		Black Spruce	Medium	Variable	Sapling
Black Spruce	38	Pole	7	89				

57 429 - Mixed Upland Conifers Sapling Well 83.8 25 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	12	Sapling	3		Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce	5	Sapling	2		Pin Cherry	Low	< 5 feet	Tall Shrub
Red Pine	10	Sapling	1					
Quaking Aspen	11	Sapling	3					
Tamarack	5	Sapling	2					
Hemlock	10	Log/Pole	10					
Bigtooth Aspen	13	Sapling	3					
White Pine	4	Log/XLog	14					
Balsam Fir	20	Sapling	4	25				
White Pine	10	Sapling	1					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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58 429 - Mixed Upland Conifers Poletimber Well 20.0 37 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Sapling/Pole	4		Balsam Fir	Low	< 5 feet	Sapling
Black Spruce	10	Sapling/Pole	2					
Hemlock	14	Log/Pole	12					
Red Maple	10	Sapling/Pole	4					
Balsam Fir	28	Sapling/Pole	4	37				
White Pine	14	Log/XLog	16					
Bigtooth Aspen	5	Sapling/Pole	4					
White Pine	3	Sapling	1					
Quaking Aspen	10	Sapling/Pole	4					
Tamarack	4	Sapling/Pole	3					

59 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Medium 4.5 99 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	8		Red Maple	Medium	5 - 10 feet	Sapling
Hemlock	20	Pole/Log	10	99	Black Spruce	Medium	Variable	Sapling
Black Spruce	15	Pole	8		Tag Alder	High	5 - 10 feet	Tall Shrub
Northern White Cedar	15	Pole	8		Balsam Fir	High	Variable	Sapling
Red Maple	20	Log/Pole	10					
White Pine	20	Log/Pole	14					

60 622 - Lowland Shrub Nonstocked 5.2 Unspecified No

61 623 - Emergent Wetland Nonstocked 1.2 Unspecified No

62 6225 - Bog Nonstocked 11.5 Unspecified No

63 500 - Water Nonstocked 2.7 Unspecified No

64 6121 - Tamarack Poletimber Poor 8.1 89 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	5		Tag Alder	Full	5 - 10 feet	Tall Shrub
Black Spruce	30	Pole/Sapling	5					
Tamarack	65	Pole/Sapling	5	89				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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65 6125 - Lowland Black Spruce, Jack Pine Poletimber Well 9.6 93 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	27	Log/XLog/Pole	14		Tag Alder	Medium	< 5 feet	Tall Shrub
Black Spruce	45	Pole	8	93	Tamarack	Low	< 5 feet	Sapling
Jack Pine	16	Log/Pole	10		Black Spruce	Medium	Variable	Sapling
White Pine	6	Log/XLog/Pole	14					
Tamarack	6	Pole	9					

66 429 - Mixed Upland Conifers Sapling Well 17.1 25 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Sapling	4	25	Pin Cherry	Low	< 5 feet	Tall Shrub
White Pine	10	Sapling	1		Tag Alder	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	11	Sapling	3					
Tamarack	5	Sapling	2					
Hemlock	10	Log/Pole	10					
Red Maple	12	Sapling	3					
Black Spruce	5	Sapling	2					
Red Pine	10	Sapling	1					
Bigtooth Aspen	13	Sapling	3					
White Pine	4	Log/XLog	14					

67 4137 - Aspen, Birch Sapling Well 40.1 36 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	15	Pole/Sapling	5		Hemlock	Low	< 5 feet	Sapling
Hemlock	3	Sapling	2		Pin Cherry	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen	25	Sapling/Pole	4	36	Balsam Fir	Medium	< 5 feet	Sapling
Hemlock	2	Log/XLog	12					
Paper Birch	20	Sapling/Pole	4					
White Pine	5	Sapling/Pole	4					
Red Maple	20	Sapling/Pole	4					
Balsam Fir	10	Pole/Sapling	4					

68 4199 - Other Mixed Upland Deciduous Sawtimber Well 1.8 92 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Log	9		Red Oak	Low	10 - 20 feet	Sapling
Bigtooth Aspen	30	Log/Pole	9		Quaking Aspen	High	10 - 20 feet	Sapling
White Pine	15	Log/Pole	12		White Pine	Medium	10 - 20 feet	Sapling
Red Oak	35	Log/Pole	11	92	Red Maple	Medium	10 - 20 feet	Sapling

69 500 - Water Nonstocked 1.8 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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70 6130 - Fir, Aspen, Maple Poletimber Well 19.4 38 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	39	Sapling/Pole	4	38	Tag Alder	Low	< 5 feet	Tall Shrub
Red Maple	12	Sapling/Pole	4		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Hemlock	18	Log/XLog/Pole	12		Balsam Fir	Medium	< 5 feet	Sapling
Balsam Fir	15	Sapling/Pole	4					
White Pine	16	Log/XLog/Pole	12					

71 622 - Lowland Shrub Nonstocked 2.8 Unspecified No

72 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 13.6 83 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	16	Pole/Log	9		Quaking Aspen	Medium	5 - 10 feet	Sapling
White Pine	20	Log/Pole/XLog	11		White Pine	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	17	Log/Pole	10		Balsam Fir	Low	5 - 10 feet	Sapling
Red Oak	30	Log/XLog/Pole	12	83	Red Maple	Medium	5 - 10 feet	Sapling
Red Pine	10	Log/Pole	10					
Paper Birch	5	Pole/Log	9					
Hemlock	2	Log	12					

73 500 - Water Nonstocked 15.6 Unspecified No

74 4130 - Aspen Sapling Well 16.5 6 Immature N/A

[5/18/2017 TI] Stand was cut as part of Three Ways In Sale # 41-025-13-01. TCR date 5-15-2017.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	40	Sapling	1	
Bigtooth Aspen	60	Sapling	1	6

75 122 - Road/Parking Lot Nonstocked 29.6 Unspecified No

76 42350 - Upland Hemlock Sawtimber Medium 22.3 100 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	7	Pole	8		Balsam Fir	Medium	Variable	Sapling
Bigtooth Aspen	3	Pole	6		Quaking Aspen	High	10 - 20 feet	Sapling
Quaking Aspen	3	Pole	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Hemlock	62	Log/XLog/Pole	12	100	White Pine	Medium	5 - 10 feet	Sapling
Red Maple	10	Pole/Log	9		Red Maple	High	10 - 20 feet	Sapling
White Pine	15	Log/XLog/Pole	13		Hemlock	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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77 500 - Water Nonstocked 8.4 Unspecified No

78 4133 - Aspen, Mixed Pine Poletimber Well 17.6 38 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	6		White Pine	Low	< 5 feet	Sapling
Bigtooth Aspen	35	Pole/Sapling	5	38	Balsam Fir	Low	Variable	Sapling
Quaking Aspen	6	Pole/Sapling	5		Red Maple	Medium	5 - 10 feet	Sapling
Jack Pine	2	Pole	6		Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub
Paper Birch	2	Pole	5					
Red Pine	15	Log/XLog/Pole	14					
Red Oak	10	Pole/Log	9					
White Pine	20	Log/XLog/Pole	14					

79 6225 - Bog Nonstocked 6.6 Unspecified No

80 4130 - Aspen Sapling Well 9.3 27 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	39	Sapling	3	27	Pin Cherry	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	30	Sapling/Pole	4		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Red Oak	14	Log/Pole/Sap	10					
Jack Pine	2	Sapling	3					
Red Maple	10	Sapling	3					
White Pine	5	Sapling	3					

81 6139 - Mixed Lowland Forest Poletimber Medium 15.3 37 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	6	Pole/Sapling	5		Tag Alder	High	5 - 10 feet	Tall Shrub
Northern White Cedar	12	Pole	8		Black Spruce	Low	< 5 feet	Sapling
Red Maple	20	Pole	6		Balsam Fir	Low	Variable	Sapling
Black Spruce	21	Pole	7	37				
Black Ash	6	Pole/Sapling	5					
Balsam Fir	10	Pole/Sapling	6					
Hemlock	5	Log/Pole	10					
Quaking Aspen	10	Pole/Sapling	5					
White Pine	10	Log/Pole	12					

82 623 - Emergent Wetland Nonstocked 1.5 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
83	4319 - Mixed Upland Forest	Poletimber Well	12.6	37	51-80	N/A																																																							
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85	4123 - Red Oak	Sawtimber Medium	6.5	89	51-80	N/A																																																							
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86	500 - Water	Nonstocked	1.5		Unspecified	No																																																							
87	6225 - Bog	Nonstocked	2.7		Unspecified	No																																																							
88	623 - Emergent Wetland	Nonstocked	2.6		Unspecified	No																																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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89 4130 - Aspen Sapling Well 78.5 17 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	3	Log	10		Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub
White Pine	5	Log/XLog/Pole	12		Pin Cherry	Medium	< 5 feet	Tall Shrub
Quaking Aspen	30	Sapling	1	17				
Red Pine	2	Log/XLog/Pole	12					
Red Oak	2	Sapling	1					
Balsam Fir	8	Sapling	1					
Red Maple	17	Sapling	1					
Bigtooth Aspen	30	Sapling	1					
Jack Pine	3	Sapling	1					

90 4311 - Pine, Aspen Mix Poletimber Well 13.7 36 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	13	Pole/Sapling	5		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Hemlock	2	Log	11		Balsam Fir	Low	Variable	Sapling
Paper Birch	2	Pole/Sapling	5		Red Maple	Medium	5 - 10 feet	Sapling
White Pine	24	Log/XLog/Pole	13					
Red Maple	14	Pole/Sapling	5					
Balsam Fir	3	Pole/Sapling	6					
Quaking Aspen	24	Pole/Sapling	5	36				
Red Pine	18	Log/XLog/Pole	12	71				

91 4130 - Aspen Sapling Well 18.3 34 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	19	Sapling/Pole	3		Red Pine	Low	< 5 feet	Sapling
Jack Pine	2	Pole/Sapling	2		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Red Maple	10	Sapling/Pole	3		White Pine	Low	< 5 feet	Sapling
Balsam Fir	6	Pole/Sapling	3		Pin Cherry	Low	5 - 10 feet	Tall Shrub
Paper Birch	3	Sapling/Pole	3					
White Pine	8	Log/Pole	10					
Quaking Aspen	50	Sapling/Pole	3	34				
Red Pine	2	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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92 4133 - Aspen, Mixed Pine Sapling Well 9.1 28 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling/Pole	3		Red Maple	Low	< 5 feet	Sapling
Quaking Aspen	33	Sapling/Pole	3	28	Pin Cherry	Low	5 - 10 feet	Tall Shrub
Red Oak	6	Sapling	3		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Bigtooth Aspen	15	Sapling/Pole	3		Red Oak	Low	< 5 feet	Sapling
Red Oak	8	Log	11					
Red Pine	12	Sapling	2					
Paper Birch	4	Sapling/Pole	3					
Jack Pine	12	Sapling	2					

93 42110 - Planted Red Pine Sapling Well 23.3 24 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	32	Sapling	3		Pin Cherry	Medium	< 5 feet	Tall Shrub
Bigtooth Aspen	4	Sapling	3					
Balsam Fir	2	Sapling	3					
Red Pine	62	Sapling	3	24				

94 4311 - Pine, Aspen Mix Sawtimber Well 8.3 79 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	40	Sapling/Pole	4		Balsam Fir	Medium	< 5 feet	Sapling
Balsam Fir	4	Pole/Sapling	4		White Pine	Medium	< 5 feet	Sapling
Red Maple	6	Pole/Sapling	4		Pin Cherry	Low	5 - 10 feet	Tall Shrub
Red Pine	8	Log/Pole	10					
White Pine	42	Log/Pole	10	79				

95 500 - Water Nonstocked 7.0 Unspecified No

96 4311 - Pine, Aspen Mix Poletimber Well 50.0 33 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	22	Pole/Sapling	4		Balsam Fir	Low	< 5 feet	Sapling
Quaking Aspen	15	Pole/Sapling	4		Red Pine	Low	< 5 feet	Sapling
Black Cherry	5	Pole/Sapling	4		Jack Pine	Low	< 5 feet	Sapling
Red Maple	10	Sapling/Pole	3		Red Maple	Low	< 5 feet	Sapling
White Pine	5	Pole	9		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Red Oak	3	Sapling/Pole	3					
Jack Pine	40	Sapling/Pole	3	33				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
97	42220 - Natural Jack Pine	Poletimber Medium	4.4	44	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry		5	Pole	9		Red Pine	Low	5 - 10 feet	Sapling
Quaking Aspen		20	Pole	6		Jack Pine	Low	5 - 10 feet	Sapling
Jack Pine		70	Pole	8	44	Pin Cherry	Medium	10 - 20 feet	Tall Shrub
Red Pine		5	Pole	9					
98	42110 - Planted Red Pine	Sapling Medium	8.1	24	51-80	N/A	Middle of stand needs to be planted. FTP 1101 was closed at 2015 review, October 30, 2013. Sedge is too thick and original red pine are too tall to do any additional cultural work.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		18	Sapling	2		Pin Cherry	Low	5 - 10 feet	Tall Shrub
Red Pine		80	Sapling	2	24				
Balsam Fir		2	Sapling/Pole	3					
99	42110 - Planted Red Pine	Poletimber Well	5.4	35	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Jack Pine		8	Pole	6					
Red Pine		92	Pole	6	35				
100	42110 - Planted Red Pine	Sapling Well	5.0	33	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		15	Sapling/Pole	4		Pin Cherry	Low	5 - 10 feet	Tall Shrub
Red Pine		85	Sapling/Pole	4	33				
101	4130 - Aspen	Sapling Well	11.1	34	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		4	Sapling/Pole	4		Balsam Fir	Low	< 5 feet	Tall Shrub
Quaking Aspen		5	Sapling/Pole	4		Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub
Paper Birch		5	Pole/Sapling	6		Pin Cherry	Medium	5 - 10 feet	Sapling
Beech		2	Sapling	3					
Balsam Fir		6	Sapling/Pole	3					
White Ash		2	Sapling	3					
Bigtooth Aspen		76	Sapling/Pole	5	34				
102	4130 - Aspen	Sapling Well	9.6	24	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		6	Sapling/Pole	4		Balsam Fir	Low	< 5 feet	Sapling
Balsam Fir		5	Pole/Sapling	5		Pin Cherry	Medium	5 - 10 feet	Tall Shrub
Paper Birch		2	Sapling/Pole	5		Jack Pine	Low	< 5 feet	Sapling
White Pine		2	Sapling	3		Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub
Bigtooth Aspen		10	Sapling/Pole	2					
Quaking Aspen		75	Sapling/Pole	2	24				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
103	4319 - Mixed Upland Forest	Poletimber Well	6.4	37	81-110	N/A																																																											
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104	623 - Emergent Wetland	Nonstocked	2.4		Unspecified	No																																																											
105	42110 - Planted Red Pine	Poletimber Well	200.2	72	81-110	N/A	(6/10/14) Stand was harvested under 41-050-13-01 Red Hot Pine in the spring of 2014.																																																										
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106	42220 - Natural Jack Pine	Poletimber Well	12.1	35	Unspecified	N/A																																																											
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107	4136 - Aspen, Mixed Conifer	Poletimber Well	25.5	39	Unspecified	N/A																																																											
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113	42290 - Natural Mixed Pine	Poletimber Poor	5.9	44	51-80	N/A																																						
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114	4134 - Aspen, Spruce/Fir	Poletimber Well	14.0	33	Unspecified	N/A	GEMS treatment planned in 2042																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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116 4134 - Aspen, Spruce/Fir Sapling Well 11.5 24 Unspecified N/A GEMS treatment planned in 2047

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Sapling	3		Pin Cherry	Low	5 - 10 feet	Tall Shrub
Red Maple	8	Sapling	2					
Black Spruce	6	Sapling	2					
Quaking Aspen	27	Sapling/Pole	3					
White Pine	2	Sapling	1					
Bigtooth Aspen	35	Sapling/Pole	3	24				
White Pine	2	Log/XLog	16					

117 790 - Other Bare/Sparsely Vegetated Nonstocked 12.5 0 Unspecified No