



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41110

Entry Year 2023

Acreage: 3,014

County Schoolcraft

Management Area: Fox River Complex

Stand Examiner: Mario Molin

Legal Description:

T46N R13W Sections 4 - 8, 17 and 18

Identified Planning Goals:

To provide multiple use benefits for the citizens of Michigan.

Soil and topography:

Flat to gently rolling terrain, except for the steep banks (up to 55% slope) above the floodplains of the Fox River and the East Branch Fox River. There are also several meandering eskers with relatively steep slopes.

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

This compartment contains 1160 acres of private land within its boundaries, and one privately-owned structure. The state land is in two large blocks and two smaller parcels (one 40 acres, one 80 acres). There are large blocks of state-owned land on all sides of the compartment.

Unique Natural Features:

The compartment is bounded by the Fox River to the southwest, and the East Branch Fox River flows through the northeast corner.

Archeological, Historical, and Cultural Features:

None known at this time.

Special Management Designations or Considerations:

Both the Fox River and the East Branch Fox River are part of the Michigan Natural River System; management considerations are defined in the Fox River Plan.

Watershed and Fisheries Considerations:

This compartment contains the Fox River, Grondon Creek, and the East Branch of the Fox River.

The Fox River and East Branch of the Fox River are designated trout streams less than 50' width and have predicted mean July temperatures that range from 62.0 to 63.0 °F (cold streams). 300' buffers are recommended for the Fox River and East Branch of the Fox River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 200' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with the Fox River Natural Rivers Management Plan and Best Management Practices.

Gronden Creek is designated a Type 1 trout stream less than 50' width and has a predicted mean July temperature of 64.8 °F (cold stream) based upon evaluation of references reaches. A 300' buffer is recommended for Gronden 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.

Wildlife Habitat Considerations:

This compartment lies within the Seney Sand Lake Plain ecological sub-subsection. The growing season in this area is less than 100 days with extreme minimum winter temperatures of -46 degrees F. Annual snowfall in this area averages between 120 and 140 inches. General Land Office (GLO) Surveyor notes indicate that the upland forest contained a mixture of hemlock, white pine, beech, and yellow birch. The lowland forest primarily consisted of cedar, black spruce, and tamarack. Windthrow, fire and beaver ponding along Gronden creek and the Fox River provided the primary sources of natural disturbance. Although not the dominant species, white pine is becoming reestablished within the compartment. Red pine plantations, aspen, and grassy opening provide the majority of the upland cover types within the compartment. Lowlands continue to contain cedar, black spruce, and to a lesser extent tamarack, and red pine and white pine. Wildlife habitat objectives include retaining space for openland species, providing supercanopy pines within aspen cuttings, protecting oak and hemlock, providing a corridor along the Fox River, and maintaining closed canopy swamp conifer

forest. Gray Wolves (Federal and Michigan endangered), moose (Michigan special concern) and sharp-tailed grouse (Michigan special concern) have all been known to utilize the habitat within this compartment. Other species of interest include brown thrasher, smooth green snake, kestrel, red squirrel, and porcupine.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium, peat and muck and minor lacustrine (lake) sand and gravel. There is 100 feet of local relief in the compartment, mostly on the north end. There is insufficient data to determine the glacial drift thickness. The Ordovician Utica and Collingwood Shales and Trenton Group subcrop below the glacial drift. The Trenton is used for dolomite/stone elsewhere in the UP. 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:

Dutch Fred Lake Rd. and Sunken Lake Rd. provide good access to the north half of the compartment. Access to the smaller state-owned parcels is complicated by a lack of roads and difficult terrain. The southern block of state land is also difficult to reach because much of it consists of low, wet terrain, and reasonable access requires crossing private lands and/or placing a number of culverts etc.

Survey Needs:

None known at this time.

Recreational Facilities and Opportunities:

The travel routes to the public access site at Dutch Fred Lake and to Sunken Lake (dispersed recreational opportunities) pass through this compartment. The area is also subject to heavy hunting pressure during deer season.

Fire Protection:

See comments under Vehicle Access.

Additional Compartment Information:

The following reports from the Inventory are attached:

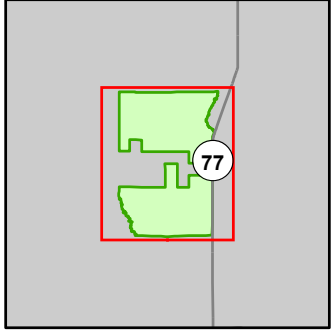
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

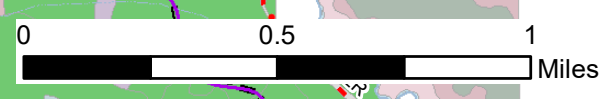
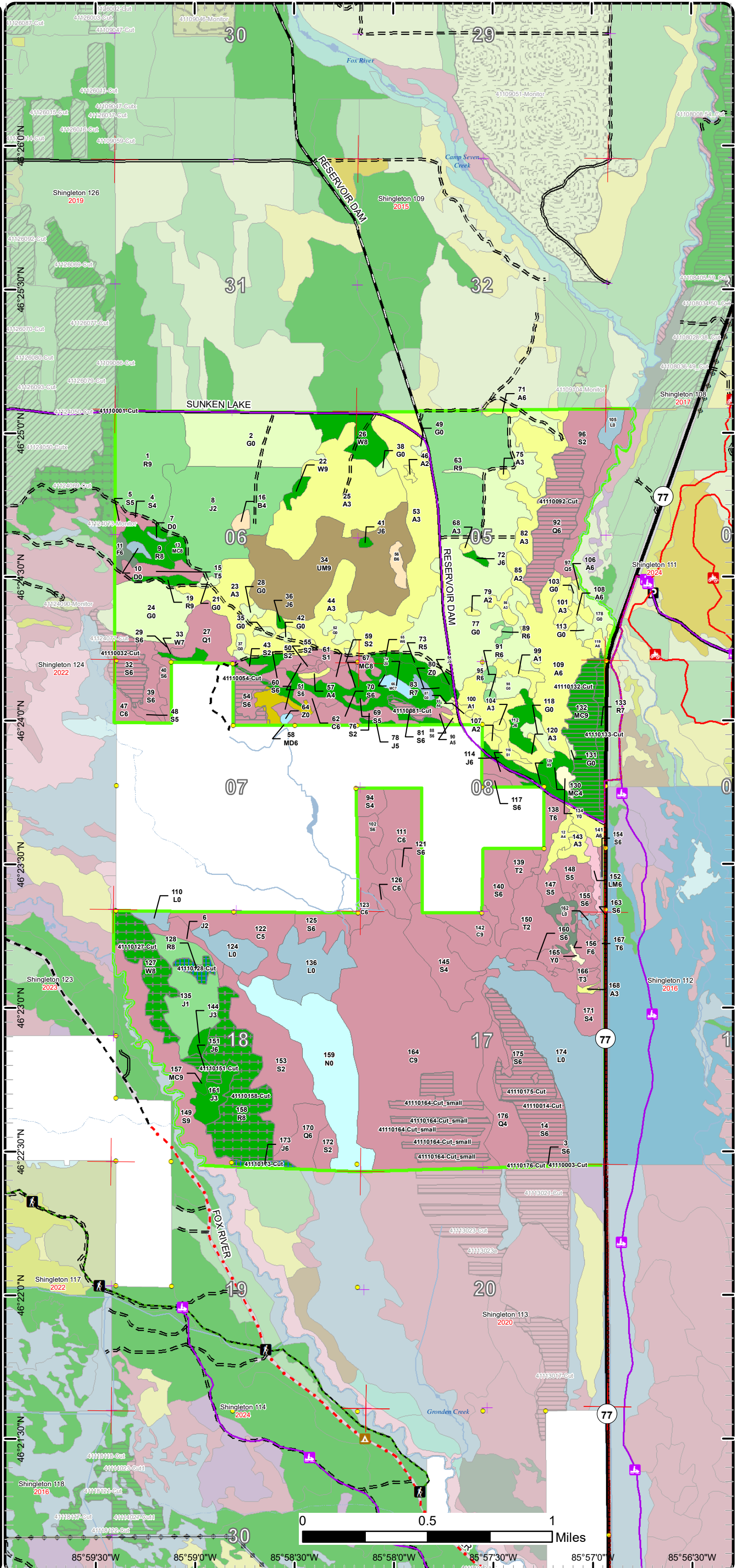
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 110
 T46N, R13W, Sec. 5-8, 17, 18
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Fox River Complex
 YOE: 2023
 Acres: 3014.1 GIS Calculated
 Examiner: Mario Molin
 Map Revised: 1/28/2022
 Map Phase: Post Review



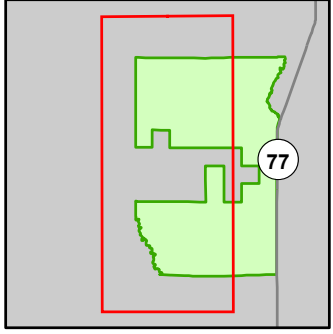
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- - - Federal / State - Dirt / Gravel Road
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- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 413 - Aspen
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil



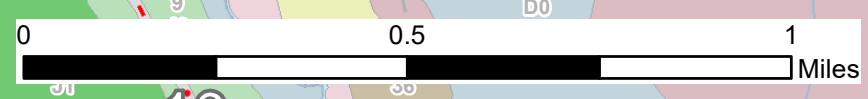
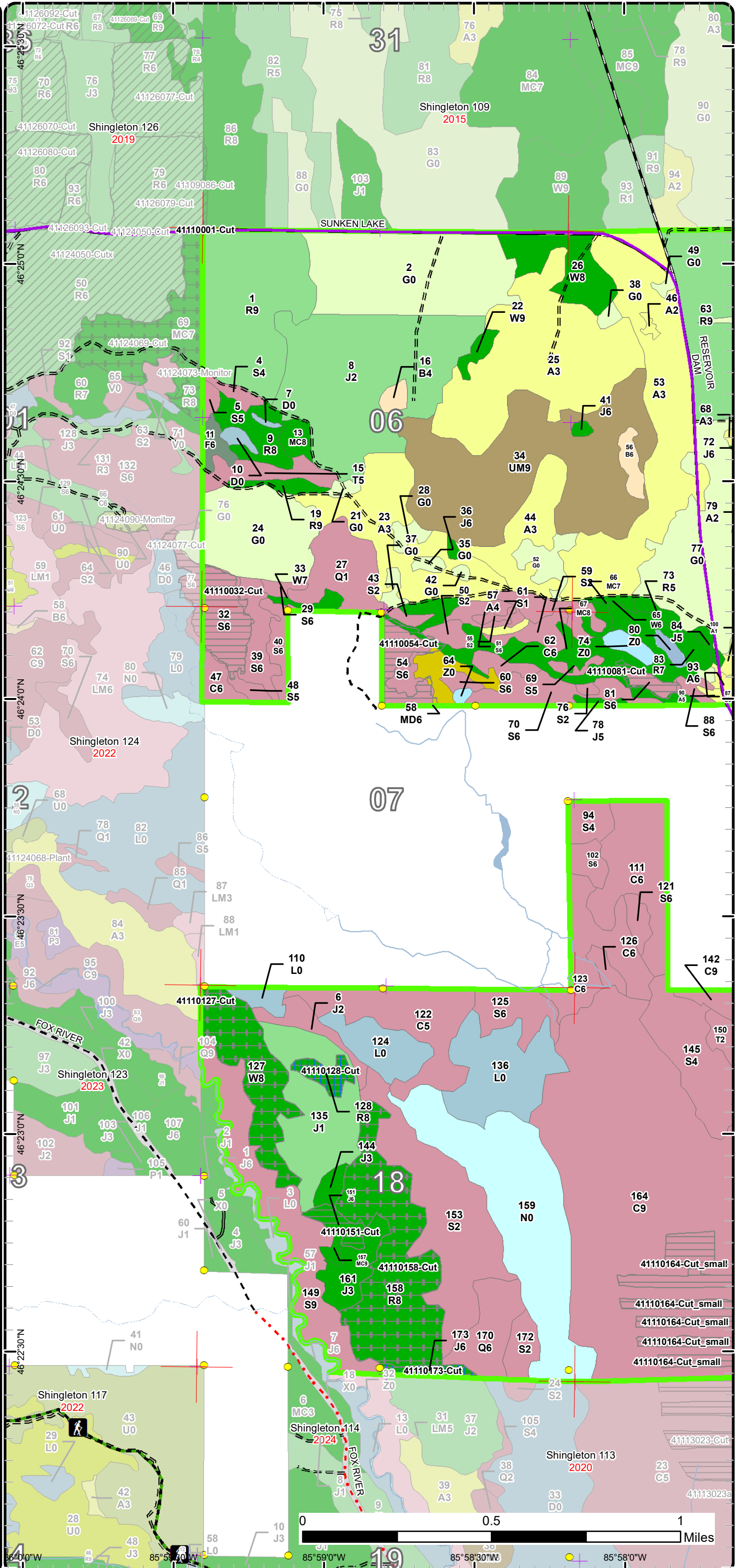
85°59'30"W 85°59'00"W 85°58'30"W 85°58'00"W 85°57'30"W 85°57'00"W 85°56'30"W

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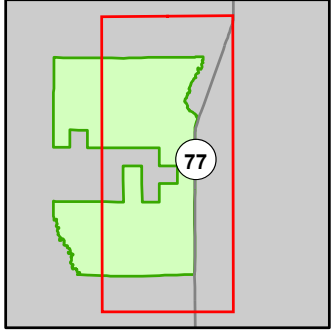
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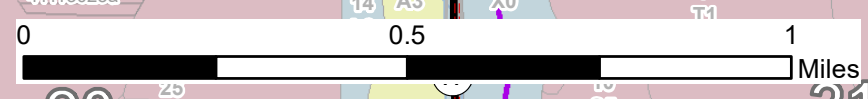
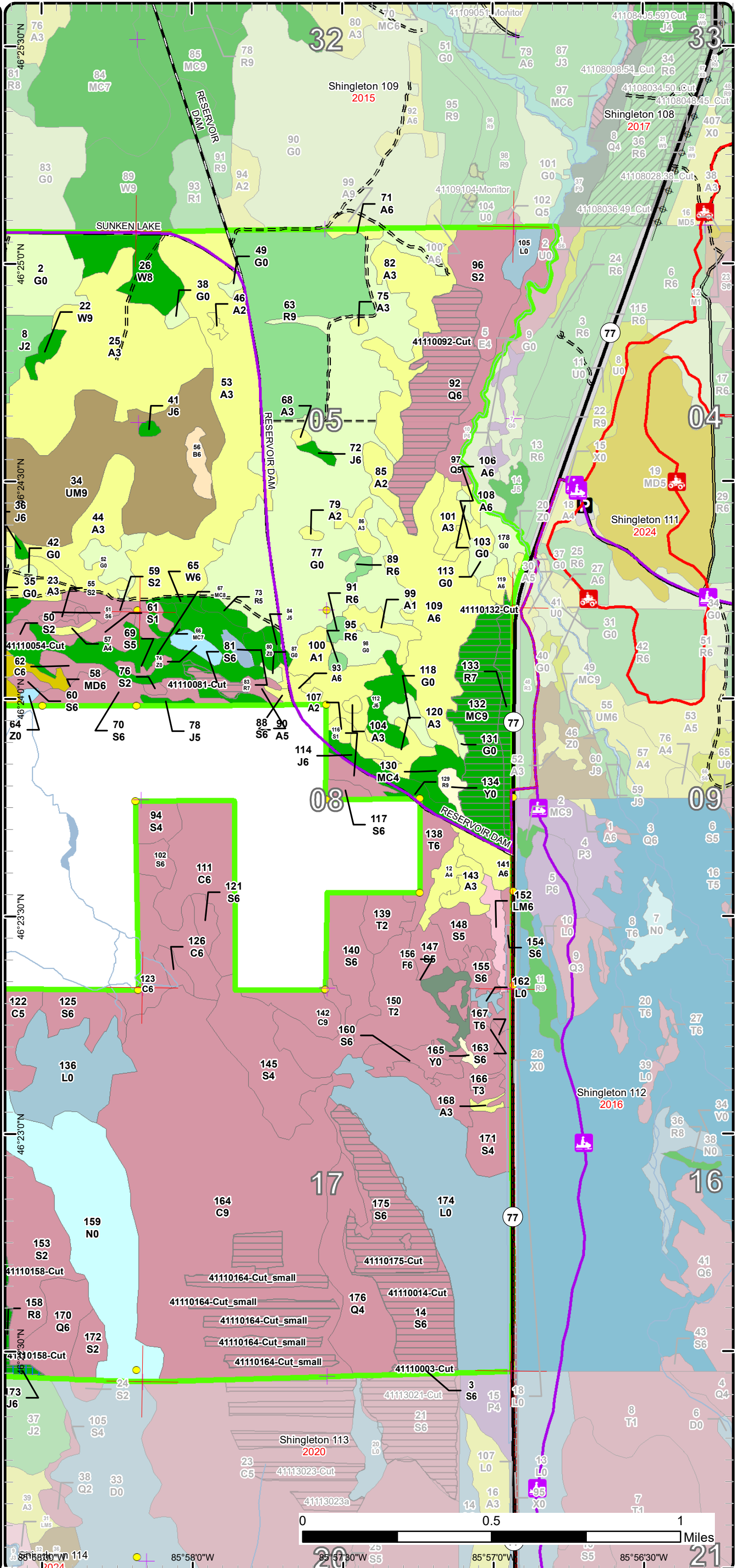
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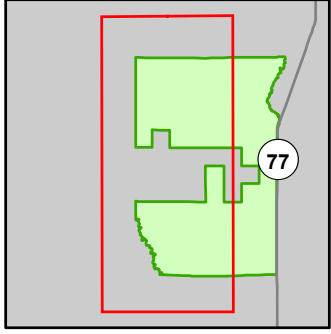
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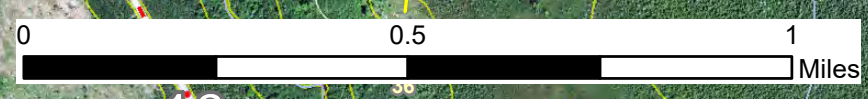
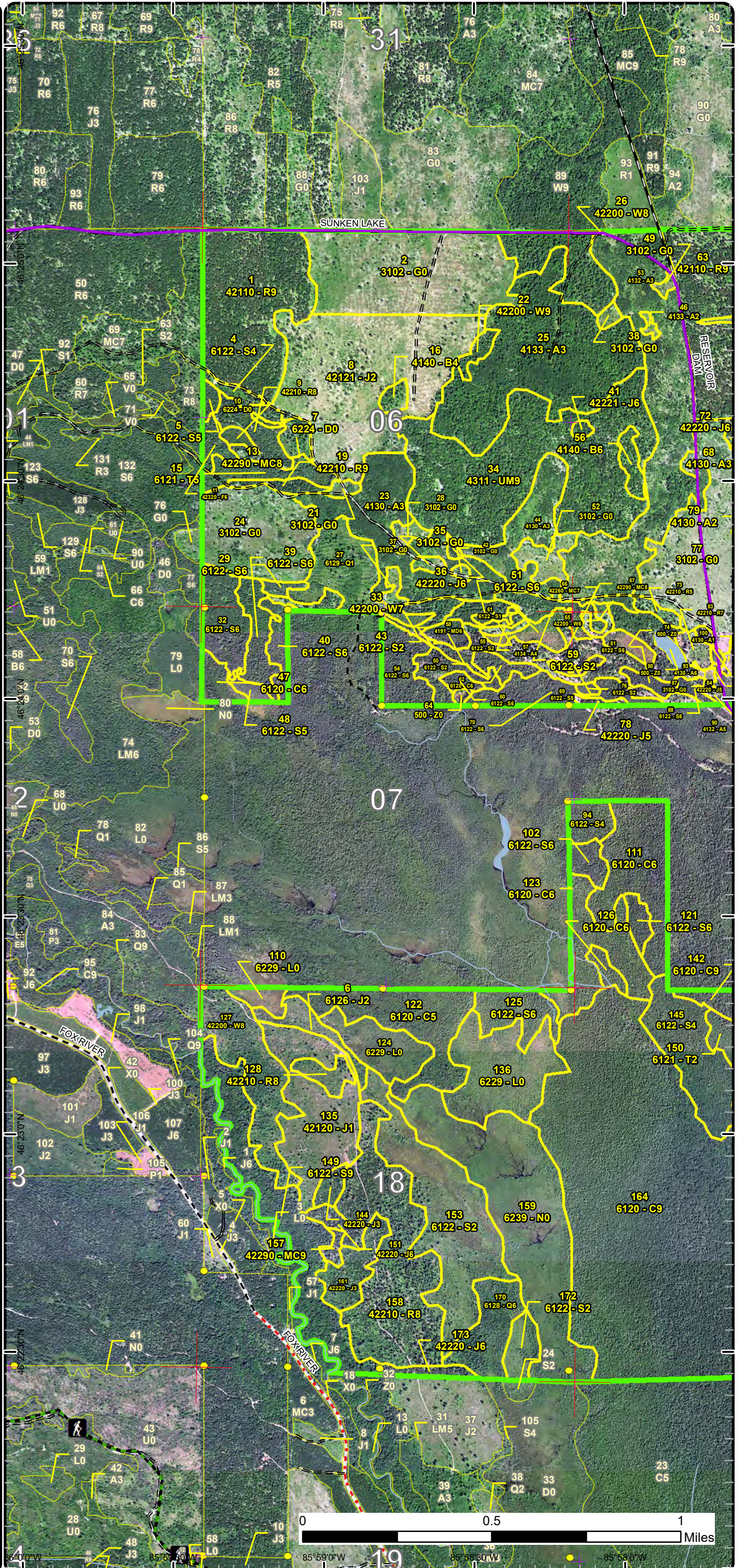
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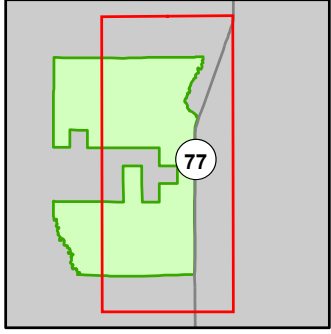
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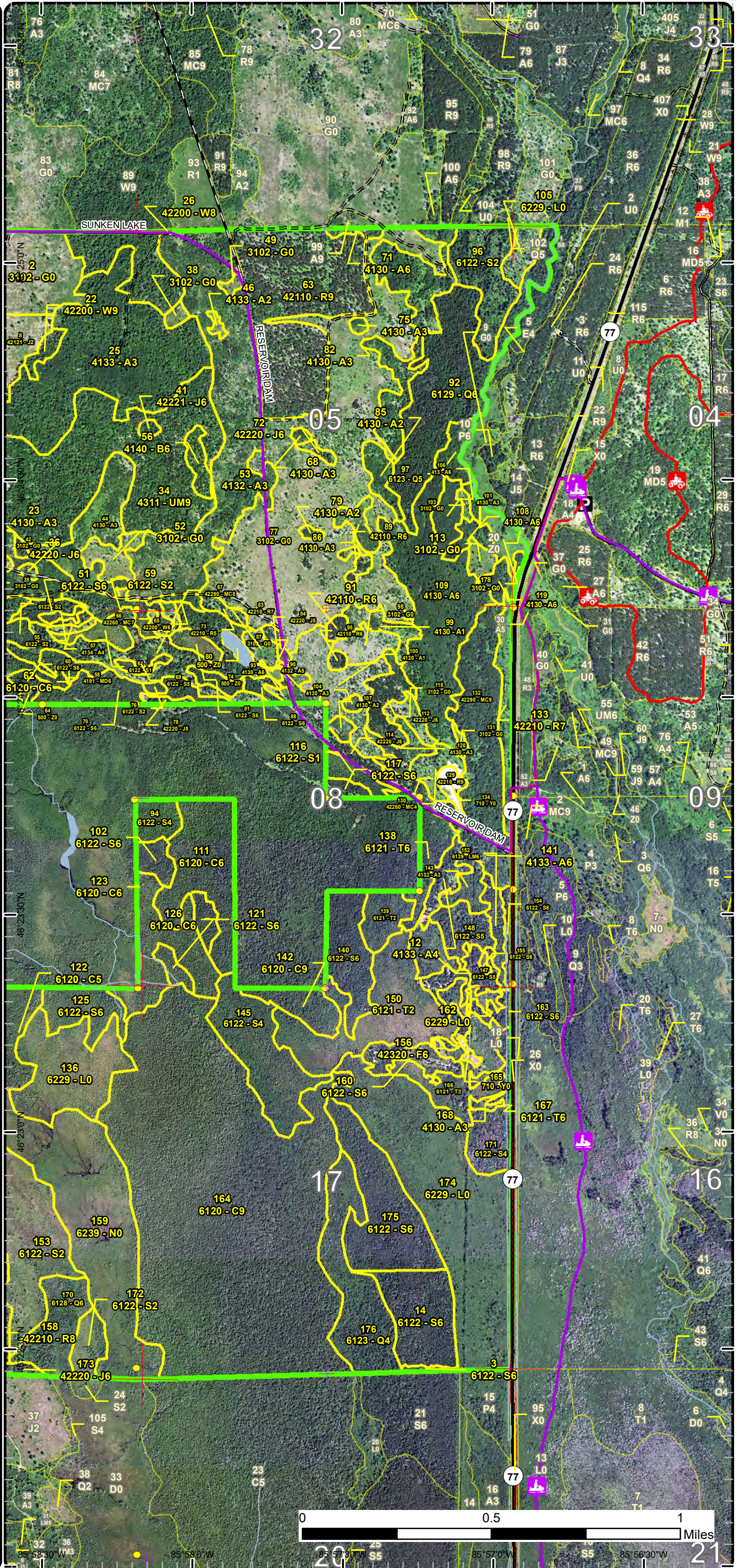
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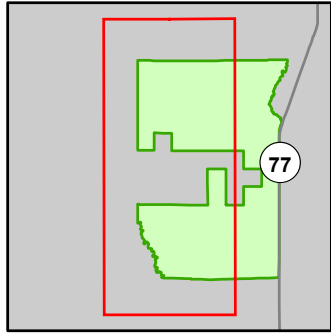


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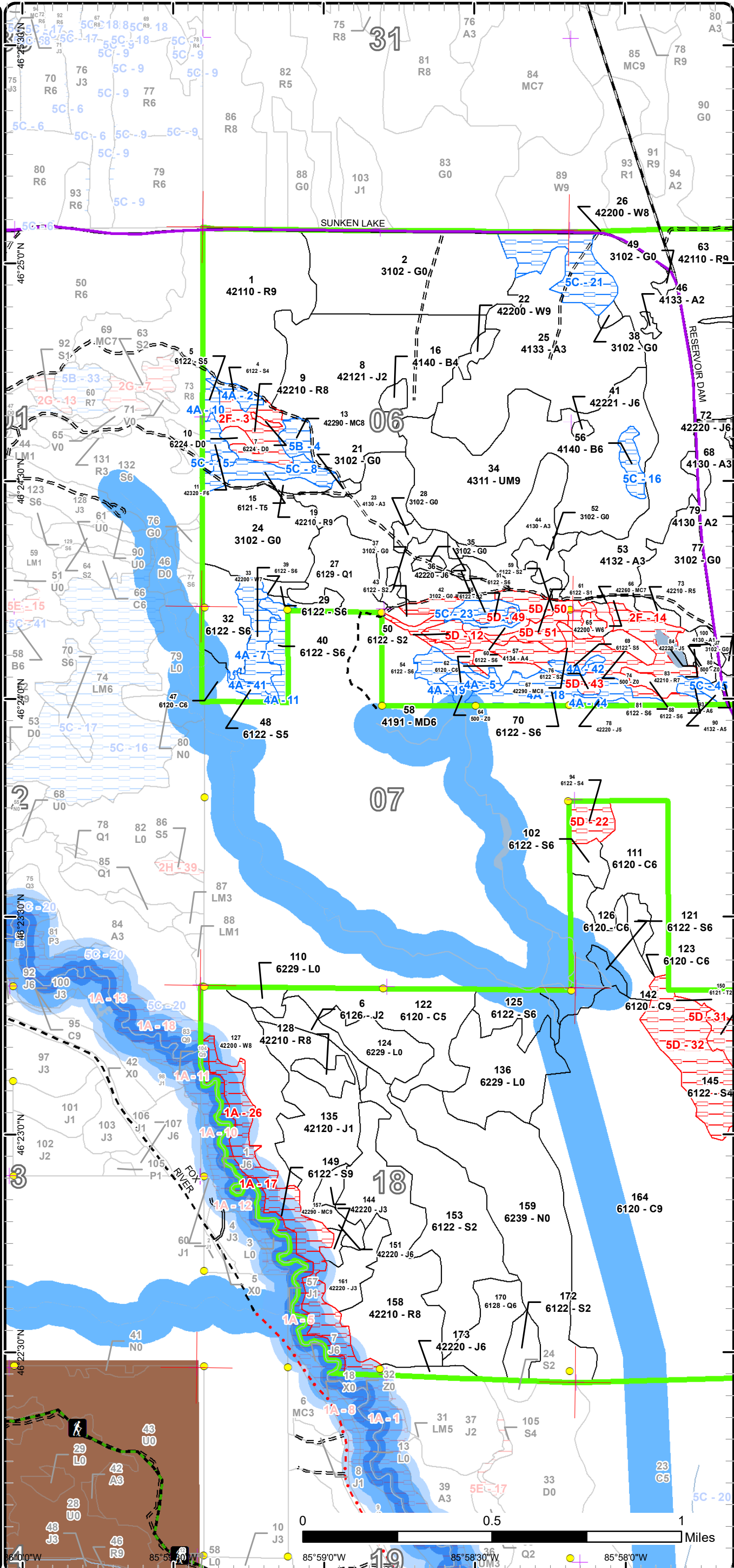


Special Conservation Areas

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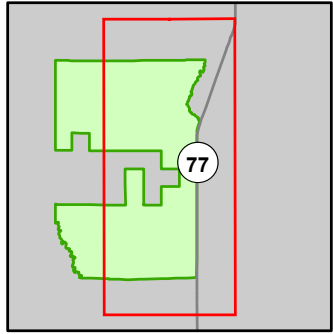


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- Compartment Boundary
- Available w/ Constraints
- 4A: No Markets Available for these Forest Products
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1A: Federal/State/Local Law
- 2F: Too steep
- 5D: Unproductive Forest Land
- Stand Boundaries
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- High Priority Trout Stream Buffer
- Wildlife Management Areas

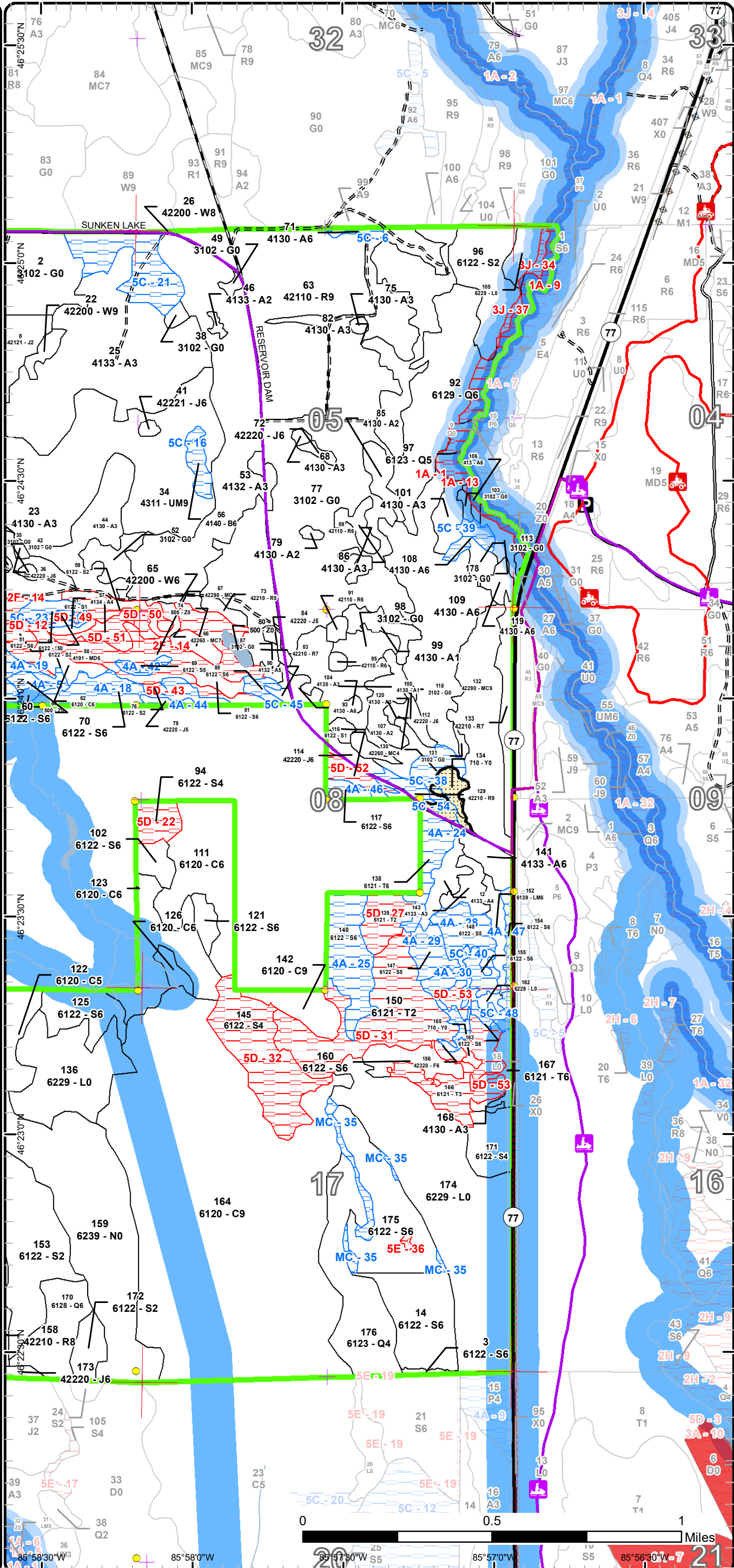


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- Compartment Boundary
- Available w/ Constraints
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1A: Federal/State/Local Law
- 2F: Too steep
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer
- Sand or Gravel Pit



0 0.5 1 Miles

85°58'30"W 85°57'30"W 85°56'30"W

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	0	0	105	97	234	5	2	0	0	0	0	0	0	0	0	0	7	450
Cedar	0	0	0	0	0	0	0	0	0	0	0	10	48	0	323	43	0	0	424
Herbaceous Openland	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	331
Jack Pine	0	142	0	26	5	16	0	5	4	0	2	0	0	0	0	0	0	0	200
Lowland Conifers	0	0	23	0	0	0	20	0	106	0	0	0	0	0	0	0	0	0	149
Lowland Mixed Forest	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Shrub	177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	176
Lowland Spruce/Fir	0	0	0	86	0	23	21	14	103	120	112	12	0	0	0	0	0	0	490
Marsh	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	90
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
Natural Mixed Pines	0	0	0	0	0	0	3	2	0	0	0	48	7	0	0	0	0	41	101
Paper Birch	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	3	8
Red Pine	0	0	0	0	0	1	70	81	11	89	0	13	7	0	0	0	0	0	270
Sand, Soil	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Tamarack	0	0	0	0	23	5	0	58	11	0	11	0	0	0	0	0	0	0	108
Treed Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	112	112
Upland Spruce/Fir	0	0	0	0	0	0	0	7	0	5	0	0	0	0	0	0	0	0	12
Water	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
White Pine	0	0	0	0	0	2	0	0	0	0	0	61	3	0	0	0	0	0	66
Total	613	142	23	217	131	281	124	169	235	214	134	144	65	0	323	43	0	163	3017



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2023

Acres of Harvest

Compartment 110

Total Compartment Acres: 3,014

Commercial Harvest - 358
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Cedar	38	0	0	0	0	0	0	0	0	38
Jack Pine	5	0	0	4	0	0	0	0	0	10
Lowland Conifers	47	0	0	0	0	0	0	0	0	47
Lowland Spruce/Fir	99	0	0	0	0	0	0	0	0	99
Natural Mixed Pines	41	0	0	0	0	0	0	0	0	41
Red Pine	13	0	0	6	0	0	70	0	0	88
White Pine	0	0	0	0	0	0	35	0	0	35
Total	243	0	0	10	0	0	105	0	0	358

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	358	0	0	0	0	0	0	0	0	358
Next Step	0	69	54	0	0	107	250	0	0	479
Total	358	69	54	0	0	107	250	0	0	837



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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Approved Treatments:

1	41110001-Cut	0.1	42110 - Planted Red Pine	Sawtimber Well	51	81-110	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> First entry thinning, mark every 3rd row for harvest. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Red pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 4 /11/2019</p>											
3	41110003-Cut	1.2	6122 - Black Spruce Poletimber Well	79	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No	
<p><u>Prescription</u> Harvest all trees. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any current species <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 3 /13/2020</p>											
14	41110014-Cut	28.1	6122 - Black Spruce Poletimber Well	79	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No	
<p><u>Prescription</u> clearcut with island retention- 1acre. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> lowland spruce and other species. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <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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32	41110032-Cut	17.6	6122 - Black Spruce	Poletimber Well	94	111-140	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Clearcut with cedar reserved.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments: Monitor according to work instructions.

Comment:

Site Condition

Proposed Start Date: 10/1 /2012

54	41110054-Cut	11.8	6122 - Black Spruce	Poletimber Well	98	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Clearcut with cedar reserved.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments: Monitor according to work instructions.

Comment:

Site Condition

Proposed Start Date: 10/1 /2012

81	41110081-Cut	4.6	6122 - Black Spruce	Poletimber Well	76	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription clearcut with cedar reserved.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other treatment area may be smaller than the stand due to trees being smaller on east side. Old next step comments: monitor according to work instructions.

Comment:

Site Condition

Proposed Start Date: 10/1 /2012

92	41110092-Cut	46.5	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	79	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
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Prescription Clearcut with retention, retention is in the buffer zone. When painting in boundary exclude areas of heavy cedar along edges of stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of species.

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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127	41110127-Cut	35.2	42200 - Natural White Pine	Sawtimber Medium	105	51-80	Harvest	Overstory Removal	42200 - Natural White Pine	Two-Aged	No
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Prescription Overstory removal, green tree 10-20 BA of white pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable white pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

128	41110128-Cut	5.9	42210 - Natural Red Pine	Sawtimber Medium	84	81-110	Harvest	Seed Tree with Retention	42210 - Natural Red Pine	Two-Aged	No
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Prescription Retain 20-30BA of red pine, this will serve as retention.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

132	41110132-Cut	41.0	42290 - Natural Mixed Pine	Sawtimber Well	66	111-140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription clear-cut with retention on edge.

Specs:

Next Step Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Site Prep

Treatments:

Acceptable red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

133	41110133-Cut	12.5	42210 - Natural Red Pine	Sawtimber Poor	101	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription clear cut with retention, retention will be on an edge. 2 inch spec.

Specs:

Next Step Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Site Prep

Treatments:

Acceptable Red Pine

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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151	41110151-Cut	5.2	42220 - Natural Jack Pine	Poletimber Well	64	51-80	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
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Prescription Clearcut, no retention due to size.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Jack pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

158	41110158-Cut	69.6	42210 - Natural Red Pine	Sawtimber Medium	84	51-80	Harvest	Overstory Removal	429 - Mixed Upland Conifers	Two-Aged	No
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Prescription Overstory removal, green tree 10-20BA of red and white pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

164	41110164-Cut_small	38.1	6120 - Lowland Cedar	Sawtimber Well	134	111-140	Harvest	Clearcut	6120 - Lowland Cedar	Even-Aged	No
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Prescription Strip clearcuts of varying widths east/west with 2 block cuts of app. 3 and 5 acres.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Old next step comments: Monitor according to work instructions.

Comment:

Site Condition

Proposed Start Date: 10/1 /2012

173	41110173-Cut	4.3	42220 - Natural Jack Pine	Poletimber Well	79	51-80	Harvest	Seed Tree with Retention	4222 - Natural Jack Pine	Even-Aged	No
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Prescription green tree 10-20 BA of red and white pine. This will serve as retention, stand is technically small enough to not need retention.

Specs:

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mixed pine

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
175 41110175-Cut	35.5	6122 - Black Spruce	Poletimber Well	79	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut with cedar reserved. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> consider moving th redline inborad to possible reduce tag alder establishing. Old next step comments: Monitor according to work <u>Comment:</u> instructions. <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2012</p>										
176 41110176-Cut	0.4	6123 - Lowland Fir	Poletimber Poor	76	1-50	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all merchantable trees. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any current species. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 3 /13/2020</p>										

Total Treatment 357.6
Acreage Proposed:

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Mario Molin : Examiner

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Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions										
		With Condition	Not Available		4A	5B	5C	MC	1A	2F	3J	5D	5E		
449	441	7	1	Aspen			7		1						
423	423	0	0	Cedar											
331	329	0	2	Herbaceous Openland			0		2						
200	198	2	0	Jack Pine	2	0			0						
149	128	0	21	Lowland Conifers					18		3				
6	6	0	0	Lowland Mixed Forest											
177	177	0	0	Lowland Shrub					0						
490	246	121	123	Lowland Spruce/Fir	97		17	7	52				71	1	
90	90	0	0	Marsh											
9	0	9	0	Mixed Upland Deciduous	9										
100	46	12	43	Natural Mixed Pines		5	7		0	43					
8	3	5	0	Paper Birch			5								
271	251	7	13	Red Pine	0		7			13					
4	4	0	0	Sand, Soil											
108	5	22	80	Tamarack	11		11						80		
3	3	0	0	Treed Bog											
112	112	0	0	Upland Mixed Forest			0								
12	0	12	0	Upland Spruce/Fir	7		5								
7	7	0	0	Water	0										
67	44	22	0	White Pine			22		0						
3,015	2,513	218	284	Total Forested Acres	125	5	81	7	74	56	3	151	1		
	83%	7%	9%	Relative Percent											

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

Site No.	Dominant Site Cond	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		1A: Federal/State/Local Law	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
Fox River Natural River 100' zone.								

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2	Available	4A: No Markets Available for these Forest Products	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2F: Too steep	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5B: Maintain for regeneration purposes	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	4A: No Markets Available for these Forest Products	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	4A: No Markets Available for these Forest Products	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	1A: Federal/State/Local Law	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Fox River Natural River 100' zone.							
10	Available	4A: No Markets Available for these Forest Products	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	4A: No Markets Available for these Forest Products	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	5D: Unproductive Forest Land	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	1A: Federal/State/Local Law	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Fox River Natural River 100' zone.							

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14	Unavailable	2F: Too steep	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	1A: Federal/State/Local Law	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Fox River 100' zone							
18	Available	4A: No Markets Available for these Forest Products	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	4A: No Markets Available for these Forest Products	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5D: Unproductive Forest Land	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	4A: No Markets Available for these Forest Products	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	4A: No Markets Available for these Forest Products	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	1A: Federal/State/Local Law	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Majority of stand is within the Fox Natural River zone							

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27	Unavailable	5D: Unproductive Forest Land	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	4A: No Markets Available for these Forest Products	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	4A: No Markets Available for these Forest Products	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	4A: No Markets Available for these Forest Products	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	5D: Unproductive Forest Land	48	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	5D: Unproductive Forest Land	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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34	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Available	Minor Change in Acreage	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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40	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Available	4A: No Markets Available for these Forest Products	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Available	4A: No Markets Available for these Forest Products	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Unavailable	5D: Unproductive Forest Land	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Available	4A: No Markets Available for these Forest Products	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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46	Available	4A: No Markets Available for these Forest Products	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Available	4A: No Markets Available for these Forest Products	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
49	Unavailable	5D: Unproductive Forest Land	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Unavailable	5D: Unproductive Forest Land	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
51	Unavailable	5D: Unproductive Forest Land	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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52	Unavailable	5D: Unproductive Forest Land	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	5D: Unproductive Forest Land	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
54	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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
Schoolcraft County Road Commission Comments	Mineral Resource Area	Sand or Gravel Pit	SCA	7



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	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. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
1	42110 - Planted Red Pine	Sawtimber Well	67.2	51	81-110	N/A	TS: 41-041-13-01 Lunch Box hero. TCR: 6/10/16		
Canopy Species		% Cover	Size Class	DBH	Age				
White Pine		5	Log	10					
Red Pine		85	Log	10	51				
Bigtooth Aspen		3	Pole	8					
Paper Birch		2	Pole	8					
Jack Pine		5	Pole	8					
2	3102 - Grass	Nonstocked	73.7	0	Immature	Managed Opening	Area converted to grass from Red pine and Aspen.		
3	6122 - Black Spruce	Poletimber Well	1.2	79	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		2	Pole	6		Black Spruce	Low	Variable	Sapling
Black Spruce		98	Pole	7	79	Balsam Fir	Low	Variable	Sapling
4	6122 - Black Spruce	Poletimber Poor	3.4	107	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		5	Pole	5		White Pine	Low	Variable	Sapling
Red Pine		10	Log	12		Black Spruce	Low	Variable	Sapling
Paper Birch		5	Pole	5		Tamarack	Low	Variable	Sapling
Black Spruce		80	Pole	6	107				
5	6122 - Black Spruce	Poletimber Medium	2.4	99	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		40	Pole	5		White Pine	Low	Variable	Sapling
Black Spruce		60	Pole	5	99	Black Spruce	Low	Variable	Sapling
						Tamarack	Low	Variable	Sapling
6	6126 - Lowland Jack Pine	Sapling Medium	8.7	21	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		5	Log	10		Black Spruce	Low	Variable	Sapling
Jack Pine		80	Sapling	2	21				
Black Spruce		10	Sapling	2	21				
Tamarack		5	Sapling	2					
7	6224 - Treed Bog	Nonstocked	0.7			No			
						Sub-Canopy Species	Density	Avg. Height	Size
						Black Spruce	Low		Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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8	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Medium	98.6	5	Immature	N/A	Clear cut as part of lunch box here (TS 41-041-13-01)Trenched: 4/27/16 Planted with 3-0 JP 1000/acre Spring 20173rd season check fall 2020 663 TPA
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Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	80	Sapling	1	5
Quaking Aspen	20	Sapling	1	

9	42210 - Natural Red Pine	Sawtimber Medium	13.2	84	1-50	N/A	Steep ridge.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	15	Pole	8	
Red Pine	70	Log	12	84
Paper Birch	10	Pole	8	
Red Maple	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling

10	6224 - Treed Bog	Nonstocked	2.2			No	
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Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low		Sapling

11	42320 - Upland Spruce	Poletimber Well	4.8	84	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	6	
Balsam Fir	15	Pole	6	
Black Spruce	60	Pole	6	84
Red Maple	5	Pole	6	
White Pine	15	Pole	8	

12	4133 - Aspen, Mixed Pine	Poletimber Poor	7.1	51	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	10	Log	12	
Black Spruce	3	Pole	5	
White Pine	10	Log/Pole	10	
Quaking Aspen	65	Pole	6	51
Red Maple	12	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Quaking Aspen	Low	Variable	Sapling

13	42290 - Natural Mixed Pine	Sawtimber Medium	4.8	103	1-50	N/A	Older cut with spruce ad white pine seedlings, red, white pine and birch reserved.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	45	Log	14	
Red Pine	55	Log	14	103

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling
Paper Birch	Low	Variable	Sapling
Black Spruce	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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14	6122 - Black Spruce	Poletimber Well	28.4	79	81-110	N/A	2021- Split stand in half from the North, North 1/2 was prescribed last entry and is just getting cut (2/21) Only a portion was cut due to weather conditions. Will factor limit for Greenup issues now since both north end is being cut and south end in adjacent compartment is also waiting to be cut. Trees are not growing, Varying size classes and heights some are 5 sticks tall. If 140 is going to be cut they will need to go through this stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	2	Pole	6		Balsam Fir	Low	Variable	Sapling
Black Spruce	98	Pole	7	79	Black Spruce	Low	Variable	Sapling

15	6121 - Tamarack	Poletimber Medium	11.3	99	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	50	Pole	5	99	Tamarack	Low	Variable	Sapling
Tamarack	50	Pole	5		Black Spruce	Low	Variable	Sapling
					White Pine	Low	Variable	Sapling

16	4140 - Other Upland Deciduous	Poletimber Poor	3.1	89	1-50	N/A	TS: 41-041-13-01 Lunch Box hero TCR: 6/10/16
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	25	Log	14		White Pine	Low	Variable	Sapling
Paper Birch	75	Pole	8	89	Red Oak	Medium	Variable	Sapling
					Bigtooth Aspen	Full	5 - 10 feet	Sapling
					Red Maple	Low	Variable	Sapling

19	42210 - Natural Red Pine	Sawtimber Well	4.2	74	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	65	Log	14	74	White Pine	Medium	Variable	Sapling
White Pine	10	Log	14		Red Maple	Low	Variable	Sapling
Black Spruce	15	Pole	8		Black Spruce	Medium	Variable	Sapling
Paper Birch	10	Log	10					

21	3102 - Grass	Nonstocked	1.9			No	
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Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low		Tall Shrub

22	42200 - Natural White Pine	Sawtimber Well	3.5	109	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	5	Log	12		White Pine	Medium	Variable	Sapling
White Pine	95	Log	14	109	Balsam Fir	Low	Variable	Sapling
					Beech	Medium	Variable	Sapling
					Red Maple	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
23	4130 - Aspen	Sapling Well	48.5	41		N/A																																										
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Quaking Aspen	100	Sapling	4	41																																												
24	3102 - Grass	Nonstocked	42.3			Managed Opening																																										
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Black Cherry	Trace		Tall Shrub																																													
Red Pine	Trace		Log																																													
25	4133 - Aspen, Mixed Pine	Sapling Well	88.2	22	1-50	N/A	Same as stand 23 (previous inventory had them as one)but with aspen tsi work done in 2000.																																									
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26	42200 - Natural White Pine	Sawtimber Medium	22.3	105	1-50	N/A																																										
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27	6129 - Mixed Coniferous Lowland Forest	Sapling Poor	23.4	19	Immature	N/A	Pines were left as reserve.																																									
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28	3102 - Grass	Nonstocked	3.3		Immature	Managed Opening																																										
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29	6122 - Black Spruce	Poletimber Well	2.3	74	51-80	N/A																																										
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32	6122 - Black Spruce	Poletimber Well	17.8	94	111-140	N/A	Good cedar and balsam fir regeneration in canopy gaps. Spruce is about 8 inches and 4-5 sticks tall.																																																											
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33	42200 - Natural White Pine	Sawtimber Poor	3.4	111	1-50	N/A	ridge with scattered trees.																																																											
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34	4311 - Pine, Aspen Mix	Sawtimber Well	111.9	63	1-50	N/A																																																												
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36	42220 - Natural Jack Pine	Poletimber Well	1.0	31	1-50	N/A																																																												
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39	6122 - Black Spruce	Poletimber Well	12.5	89	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		35	Pole	8		Northern White Cedar	
Black Spruce		60	Pole	6	89	Alder	
Balsam Fir		5	Sapling/Pole	4		Balsam Fir	
						Density	Avg. Height
							Size
						Low	Variable
						Low	Variable
						Low	Variable
							Sapling
							Tall Shrub
							Sapling
40	6122 - Black Spruce	Poletimber Well	7.4	87	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Northern White Cedar		10	Pole	6			
Black Spruce		90	Pole	7	87		
41	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Well	1.3	46	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		70	Pole	6	46	Red Oak	
Red Maple		10	Pole	5		White Pine	
Red Oak		20	Pole	5			
						Density	Avg. Height
						Medium	Variable
						Low	Variable
							Sapling
							Sapling
42	3102 - Grass	Nonstocked	1.0			Managed Opening	
						Sub-Canopy Species	Density
							Avg. Height
							Size
						Low	
						Low	
							Sapling
							Sapling
43	6122 - Black Spruce	Sapling Medium	2.1	58		N/A	Spruce bog.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		100	Sapling	4	58	Black Spruce	
						Density	Avg. Height
						Low	Variable
							Sapling
44	4130 - Aspen	Sapling Well	24.3	41	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		85	Sapling	3	41		
Jack Pine		10	Pole/Sapling	5			
Paper Birch		5	Pole/Sapling	5			
46	4133 - Aspen, Mixed Pine	Sapling Medium	1.1	36	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		15	Sapling	4		Jack Pine	
Bigtooth Aspen		60	Sapling	4	36	Quaking Aspen	
White Pine		25	Sapling	4	36		
						Density	Avg. Height
						Trace	
						Low	
							Sapling
							Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
47	6120 - Lowland Cedar	Poletimber Well	6.1	109	1-50	N/A	Network of drainages in the stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		25	Pole	5		Balsam Fir	
Northern White Cedar		70	Pole	7	109	Red Maple	
Red Maple		5	Pole	7		Alder	
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
						Tall Shrub	
48	6122 - Black Spruce	Poletimber Medium	2.8	89	1-50	N/A	Fairly open with mainly submerchutable spruce and red maple regen.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		10	Pole/Sapling	5		Northern White Cedar	
Black Spruce		90	Pole/Sapling	5	89	Black Spruce	
						Red Maple	
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
						Sapling	
49	3102 - Grass	Nonstocked	1.5			Managed Opening	
						Sub-Canopy Species	
						Quaking Aspen	
						Jack Pine	
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
50	6122 - Black Spruce	Sapling Medium	4.0	69	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		10	Sapling/Pole	4		Tamarack	
White Pine		5	Sapling/Pole	4		Black Spruce	
Black Spruce		85	Sapling	4	69		
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
						Sapling	
51	6122 - Black Spruce	Poletimber Well	5.6	104	81-110	N/A	Meets criteria to be cut but small in acreage and is surrounded by non forested.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		10	Log	12		Black Spruce	
Black Spruce		90	Pole	8	104	Red Maple	
						Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
52	3102 - Grass	Nonstocked	8.4			Managed Opening	
						Sub-Canopy Species	
						White Pine	
						Red Oak	
						Bigtooth Aspen	
						Density	
						Avg. Height	
						Size	
						Sapling	
						Log	
						Sapling	
53	4132 - Aspen, Jack Pine	Sapling Well	90.2	41	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		70	Sapling	3	41		
Jack Pine		20	Pole/Sapling	5			
Paper Birch		5	Pole/Sapling	5			
White Pine		5	Pole/Sapling	5			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
54	6122 - Black Spruce	Poletimber Well	15.0	98	81-110	N/A	Mixed stand with good cedar regenerating in openings. More cedar and fir to the south.																																								
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55	6122 - Black Spruce	Sapling Medium	1.5	87	1-50	N/A	Spruce bog.																																								
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56	4140 - Other Upland Deciduous	Poletimber Well	5.2	54	51-80	N/A																																									
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57	4134 - Aspen, Spruce/Fir	Poletimber Poor	1.7	34	1-50	N/A	Small ridge.																																								
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58	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	8.7	92	81-110	N/A	Difficult access and very steep slopes.																																								
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59	6122 - Black Spruce	Sapling Medium	9.2	78	1-50	N/A																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
60	6122 - Black Spruce	Poletimber Well	2.4	92	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		5	Log/Pole	10		White Pine	
Northern White Cedar		10	Pole	6		Balsam Fir	
Black Spruce		85	Pole	7	92	Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
61	6122 - Black Spruce	Sapling Poor	6.7	56	1-50	N/A	Bog type.
Canopy Species		% Cover	Size Class	DBH	Age		
Tamarack		30	Sapling	3	56		
White Pine		10	Sapling	2			
Black Spruce		60	Sapling	3	56		
62	6120 - Lowland Cedar	Poletimber Well	4.7	141	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		70	Pole/Log	9	141	Northern White Cedar	
White Pine		5	Pole/Log	9		Balsam Fir	
Black Spruce		25	Pole	5		Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
63	42110 - Planted Red Pine	Sawtimber Well	78.5	65	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Log/Pole	10	65		
64	500 - Water	Nonstocked	1.1			No	
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Low		Pole			
65	42200 - Natural White Pine	Poletimber Well	2.1	45	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		5	Pole	6		White Pine	
White Pine		70	Pole	5	45	Bigtooth Aspen	
Bigtooth Aspen		25	Log/Pole	10		Density	
						Avg. Height	
						Size	
						Sapling	
						Sapling	
66	42260 - Natural Pine, Mixed Deciduous	Sawtimber Poor	2.6	59	1-50	N/A	Some scattered oak.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Paper Birch		5	Pole	6		White Pine	
Jack Pine		5	Pole/Sapling	5		Bigtooth Aspen	
Red Maple		5	Sapling/Pole	4		Black Spruce	
Red Pine		5	Log/Pole	10		Density	
Quaking Aspen		30	Sapling/Pole	4		Avg. Height	
White Pine		50	Log	10	59	Size	
						Sapling	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
67	42290 - Natural Mixed Pine	Sawtimber Medium	42.9	100	81-110	N/A	Ridge system.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		10	Pole	8		Balsam Fir	
White Pine		50	Log	12	100	Medium	
Red Pine		30	Log	12		Variable	
Paper Birch		5	Pole	8		Sapling	
Red Maple		5	Pole	6		Sapling	
68	4130 - Aspen	Sapling Well	1.1	36		N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		100	Sapling	3	36		
69	6122 - Black Spruce	Poletimber Medium	2.0	97	1-50	N/A	kettle hole with spruce and pine, edges have some bigger trees.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		95	Pole	5	97	Black Spruce	
White Pine		5	Pole	6		Low	
						Variable	
						Sapling	
70	6122 - Black Spruce	Poletimber Well	16.1	97	51-80	N/A	Medium stocking.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		5	Pole	6		Balsam Fir	
White Pine		5	Log	10		Low	
Black Spruce		90	Pole	6	97	Variable	
						Sapling	
71	4130 - Aspen	Poletimber Well	2.0	65	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		10	Pole	6		Red Oak	
Bigtooth Aspen		85	Pole/Log	9	65	Low	
Red Maple		5	Pole	6		Variable	
						Sapling	
						Sapling	
72	42220 - Natural Jack Pine	Poletimber Well	1.7	32	1-50	N/A	Kettle hole with spruce and pine, edges have bigger trees.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Pole	8		Bigtooth Aspen	
Jack Pine		95	Pole	5	32	Low	
						Variable	
						Sapling	
						Sapling	
73	42210 - Natural Red Pine	Poletimber Medium	2.8	59	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		90	Pole	7	59	White Pine	
White Pine		10	Pole	8		Medium	
						Variable	
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						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
74	500 - Water	Nonstocked	4.2			No	Snow and ice covered pond.																																
75	4130 - Aspen	Sapling Well	1.1	36	1-50	N/A																																	
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76	6122 - Black Spruce	Sapling Medium	1.0	96		N/A	Spruce bog, trees all submerchantable and rings to close to count.																																
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77	3102 - Grass	Nonstocked	166.7			No	lots of small aspen islands less than 1 acre so can not be typed out.																																
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78	42220 - Natural Jack Pine	Poletimber Medium	1.7	93	81-110	N/A																																	
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79	4130 - Aspen	Sapling Medium	1.1	36		N/A																																	
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Quaking Aspen	100	Sapling	2	36																																			
80	500 - Water	Nonstocked	2.2			No	Snow and ice covered pond.																																
81	6122 - Black Spruce	Poletimber Well	3.4	76	81-110	N/A																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
82	4130 - Aspen	Sapling Well	33.2	36	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		5	Pole	5		Red Oak	
Bigtooth Aspen		70	Sapling/Pole	4	36	Low	
Red Oak		5	Pole/Sapling	5		Variable	
Red Maple		15	Sapling/Pole	4		Sapling	
White Pine		5	Log	10			
83	42210 - Natural Red Pine	Sawtimber Poor	4.1	74	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		2	Sapling/Pole	4		Red Maple	
Red Pine		98	Log	12	74	Low	
						Variable	
						Sapling	
						Sapling	
84	42220 - Natural Jack Pine	Poletimber Medium	2.0	33	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		5	Log/Pole	10		Bigtooth Aspen	
Jack Pine		90	Pole	6	33	Low	
Red Maple		5	Sapling/Pole	4		Variable	
						Sapling	
						Sapling	
						Sapling	
85	4130 - Aspen	Sapling Medium	6.6	44		N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		2	Log	10		Red Oak	
Paper Birch		2	Sapling	3		Low	
Bigtooth Aspen		90	Sapling	3	44	Variable	
Red Maple		4	Sapling	3		Sapling	
Red Pine		2	Log	10		Sapling	
86	4130 - Aspen	Sapling Well	4.9	36		N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Sapling	2		Black Cherry	
Bigtooth Aspen		95	Sapling	2	36	Low	
						Variable	
						Sapling	
						Sapling	
						Sapling	
87	3102 - Grass	Nonstocked	1.0			Managed Opening	
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Trace		Pole			
Jack Pine		Trace		Pole			
Black Cherry		Trace		Tall Shrub			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
88	6122 - Black Spruce	Poletimber Well	2.9	108	1-50	N/A	Open stunted trees.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		80	Pole/Sapling	5	108	Tamarack	
Tamarack		20	Pole/Sapling	6		Black Spruce	
						Density	Avg. Height
						Low	Variable
						Low	Variable
							Size
							Sapling
							Sapling
89	42110 - Planted Red Pine	Poletimber Well	2.5	73	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Pole	9	73		
90	4132 - Aspen, Jack Pine	Poletimber Medium	1.2	36	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		20	Pole	6			
Quaking Aspen		80	Pole	8	36		
91	42110 - Planted Red Pine	Poletimber Well	2.0	65	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Pole	9	65		
92	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	60.9	79	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Tamarack		20	Pole	6		Balsam Fir	
Black Spruce		38	Pole	6	79	Black Spruce	
Northern White Cedar		30	Pole	8	119		
Balsam Fir		10	Sapling/Pole	4			
White Pine		2	Log	16			
						Density	Avg. Height
						Medium	Variable
						Low	Variable
							Size
							Sapling
							Sapling
93	4130 - Aspen	Poletimber Well	3.8	44	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		100	Pole	5	44	Quaking Aspen	
						Density	Avg. Height
						Low	Variable
							Size
							Sapling
94	6122 - Black Spruce	Poletimber Poor	7.8	82	1-50	N/A	Very wet stand trees are stunted, poorly stocked with trees 20-30 ft with 1 stick.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		48	Pole/Sapling	5		Northern White Cedar	
Black Spruce		52	Pole/Sapling	5	82	Tamarack	
						Black Spruce	
						Balsam Fir	
						Alder	
						Density	Avg. Height
						Medium	Variable
						Low	Variable
						Low	Variable
						Medium	Variable
							Size
							Sapling
							Sapling
							Sapling
							Tall Shrub
95	42110 - Planted Red Pine	Poletimber Well	1.4	44	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Pole	8	44		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
96	6122 - Black Spruce	Sapling Medium	24.2	23	1-50	N/A	some pole sized trees scattered throughout, leftover submerchantable from last harvest
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		55	Sapling	3	23	Black Spruce	
White Pine		35	Sapling	3		White Pine	
White Spruce		10	Sapling	3		Tamarack	
						White Spruce	
						Density	Avg. Height
						Medium	Variable
						Medium	Variable
						Low	Variable
						Medium	Variable
							Size
							Sapling
							Sapling
							Sapling
							Sapling
97	6123 - Lowland Fir	Poletimber Medium	6.6	74	1-50	N/A	Low volume and quality.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Cherry		15	Pole	6		Red Maple	
Balsam Fir		80	Pole	8	74	Balsam Fir	
Red Maple		5	Pole/Sapling	5		Black Cherry	
						Alder	
						Density	Avg. Height
						Low	Variable
						Low	Variable
						Low	Variable
						Low	Variable
							Size
							Sapling
							Sapling
							Sapling
							Tall Shrub
98	3102 - Grass	Nonstocked	7.4			Managed Opening	
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Low		Sapling			
Jack Pine		Low		Sapling			
Bigtooth Aspen		Low		Sapling			
Red Pine		Low		Sapling			
Black Cherry		Low		Tall Shrub			
99	4130 - Aspen	Sapling Poor	7.1	36		N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		95	Sapling	3	36		
Jack Pine		5	Sapling/Pole	4			
100	4130 - Aspen	Sapling Poor	22.5	36		N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		5	Pole/Sapling	5			
Quaking Aspen		95	Sapling	3	36		
101	4130 - Aspen	Sapling Well	7.1	28	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		100	Sapling	3	28		
102	6122 - Black Spruce	Poletimber Well	6.0	78	81-110	N/A	Cut next entry, trees cored show little growth.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		100	Pole	7	78	Alder	
						Density	Avg. Height
						Low	Variable
							Size
							Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
103	3102 - Grass	Nonstocked	1.3			No																																		
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104	4130 - Aspen	Sapling Well	1.2	36	Unspecified	N/A																																		
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105	6229 - Mixed lowland shrub	Nonstocked	6.5			Managed Opening	Small white pine and black spruce																																	
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106	413 - Aspen	Poletimber Well	1.6	46	1-50	N/A																																		
107	4130 - Aspen	Sapling Medium	2.1	36		N/A																																		
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108	4130 - Aspen	Poletimber Well	4.6	58	1-50	N/A																																		
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110	6229 - Mixed lowland shrub	Nonstocked	5.1			No																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
111	6120 - Lowland Cedar	Poletimber Well	37.1	111	51-80	N/A	Good cedar regeneration in open areas.																																	
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112	42220 - Natural Jack Pine	Poletimber Well	10.7	43	1-50	N/A																																		
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113	3102 - Grass	Nonstocked	3.6			Managed Opening																																		
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114	42220 - Natural Jack Pine	Poletimber Well	4.0	43	51-80	N/A																																		
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116	6122 - Black Spruce	Sapling Poor	5.6	78	Unspecified	N/A	Spruce bog.																																	
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117	6122 - Black Spruce	Poletimber Well	3.3	94	81-110	N/A	ridge on back side of stand																																	
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121	6122 - Black Spruce	Poletimber Well	4.6	74	51-80	N/A																																								
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122	6120 - Lowland Cedar	Poletimber Medium	37.8	145	1-50	N/A																																								
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123	6120 - Lowland Cedar	Poletimber Well	28.2	139	51-80	N/A																																								
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124	6229 - Mixed lowland shrub	Nonstocked	18.3			No																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
125	6122 - Black Spruce	Poletimber Well	14.6	45	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		50	Pole	6	45		
Northern White Cedar		20	Pole	6			
Balsam Fir		20	Pole	6			
Quaking Aspen		10	Pole	6			
126	6120 - Lowland Cedar	Poletimber Well	3.7	108	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Northern White Cedar		100	Pole	7	108		
Sub-Canopy Species		Density	Avg. Height	Size			
Alder		Medium	Variable	Tall Shrub			
Northern White Cedar		Medium	Variable	Sapling			
127	42200 - Natural White Pine	Sawtimber Medium	35.2	105	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Paper Birch		10	Pole	8			
White Pine		70	Log	10	105		
Red Pine		10	Log	10			
Red Maple		5	Pole	6			
Jack Pine		5	Pole	8			
Sub-Canopy Species		Density	Avg. Height	Size			
Jack Pine		Medium	Variable	Sapling			
White Pine		Low	Variable	Sapling			
Balsam Fir		Low	Variable	Sapling			
Quaking Aspen		Medium	10 - 20 feet	Sapling			
128	42210 - Natural Red Pine	Sawtimber Medium	5.9	84	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		95	Log	16	84		
White Pine		5	XLog/Log	18			
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Low	Variable	Sapling			
Black Spruce		Low	Variable	Sapling			
129	42210 - Natural Red Pine	Sawtimber Well	6.7	117	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		10	Pole	6			
White Pine		10	Pole	8			
Bigtooth Aspen		10	Pole	8			
Paper Birch		5	Pole	8			
Red Pine		65	Log	10	117		
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Low	Variable	Sapling			
Bigtooth Aspen		Low	Variable	Sapling			
Red Pine		Low	Variable	Sapling			
130	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	6.9	113	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		15	Pole	8			
Paper Birch		10	Pole/Log	9	113		
Jack Pine		15	Pole/Log	9			
Bigtooth Aspen		15	Pole/Log	9			
Red Maple		15	Pole	6			
Red Pine		30	Log	10	113		
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Low	Variable	Sapling			
Red Oak		Low	Variable	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
131	3102 - Grass	Nonstocked	1.0			No																																										
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132	42290 - Natural Mixed Pine	Sawtimber Well	41.0	66	111-140	N/A	Mix of species, looks to be more all aged.																																									
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134	710 - Sand, Soil	Nonstocked	3.3			Unspecified																																										
135	42120 - Planted Jack Pine	Sapling Poor	43.0	8	Immature	N/A	Stand was hand planted by CASP crew summer 2015. 14000 JP planted. Regen checks passed.checked again in fall 2018, passed check, mostly natural filling with planted adding to it.																																									
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136	6229 - Mixed lowland shrub	Nonstocked	39.0			No																																										
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138	6121 - Tamarack	Poletimber Well	11.0	76	1-50	N/A																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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139 6121 - Tamarack Sapling Medium 10.0 62 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	5	Pole	6		Alder	Medium	Variable	Tall Shrub
Tamarack	85	Sapling	3	62	Black Spruce	Medium	Variable	Sapling
Black Spruce	10	Sapling	4		Tamarack	Medium	Variable	Sapling

140 6122 - Black Spruce Poletimber Well 21.6 87 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	20	Pole	7		Black Spruce	Low	Variable	Sapling
Black Spruce	80	Pole	7	87	Alder	Low	Variable	Tall Shrub
					Red Maple	Low	Variable	Sapling

2011: Edge is heavier with tamarack, with more spruce in the middle (3-4 sticks) Some cedar and birch on the north end. Save till next entry but can cut now if needed. Clear cut with cedar and birch reserved. Run redline inside of type line a bit to the truly merchantable trees, hoping this may help with minimizing tag alder establishing in the site.

2020: loss of tamarack and small size spruce will be a hard sell.

141 4133 - Aspen, Mixed Pine Poletimber Well 8.1 23 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	60	Pole	5	23	Jack Pine	Low	Variable	Sapling
White Pine	5	Pole	6		Bigtooth Aspen	Low	Variable	Sapling
Red Maple	10	Sapling	4					
Jack Pine	10	Pole	5					
Red Pine	15	Log	12	71				

142 6120 - Lowland Cedar Sawtimber Well 11.1 111 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	2	Pole	5		Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	95	Log	10	111	Northern White Cedar	Medium	Variable	Sapling
Balsam Fir	3	Pole	5					

143 4133 - Aspen, Mixed Pine Sapling Well 6.6 36 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	3	Pole	5		Scotch Pine	Low	Variable	Sapling
Tamarack	2	Pole	5		White Pine	Low	Variable	Sapling
White Pine	10	Log/Pole	10		Quaking Aspen	Low	Variable	Sapling
Quaking Aspen	65	Sapling	3	36				
Scotch Pine	20	Pole	5					

144 42220 - Natural Jack Pine Sapling Well 4.0 21 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	100	Sapling	2	21



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
145	6122 - Black Spruce	Poletimber Poor	34.8	86	1-50	N/A	Mostly sub merchantable and very difficult to access. cored trees but unable to count such dense rings.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		55	Pole/Sapling	5	86	Alder		Medium	Variable	Tall Shrub
Northern White Cedar		35	Pole/Sapling	5		Black Spruce		Medium	Variable	Sapling
Red Maple		10	Sapling	2		Northern White Cedar		Low	Variable	Sapling
						Red Maple	Medium	Variable	Sapling	
147	6122 - Black Spruce	Poletimber Medium	7.8	89	1-50	N/A	Looks to have had all merchantable wood cut out. Some fingers of advanced regeneration with younger regeneration in between. Lots of jack pine regeneration. Stnad gets denser to the north with pockets of aspen mixed in.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		85	Pole	5	89	Jack Pine		High	Variable	Sapling
Tamarack		10	Pole	5		Tamarack		Medium	Variable	Sapling
Bigtooth Aspen		5	Pole	6		Black Spruce		Medium	Variable	Sapling
148	6122 - Black Spruce	Poletimber Medium	11.2	89	1-50	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack		10	Pole	5		Tamarack		Low	Variable	Sapling
Black Spruce		90	Pole	5	89	Jack Pine		Low	Variable	Sapling
						Black Spruce		Low	Variable	Sapling
149	6122 - Black Spruce	Sawtimber Well	52.0	97	Unspecified	N/A	Long strip along the Fox River. Fox river buffer eliminates cutting in this stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern White Cedar		30	Log	12		Black Spruce		Low	Variable	Sapling
Tamarack		10	Pole	6		White Pine		Low	Variable	Sapling
Black Spruce		50	Pole	6	97	Balsam Fir		Low	Variable	Sapling
Yellow Birch		5	Pole	6		Northern White Cedar		Low	Variable	Sapling
White Pine		5	XLog	24						
150	6121 - Tamarack	Sapling Medium	47.6	64		N/A	Must have high water table all small submerchantable trees that look like young trees but are around 50 years old.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack		51	Sapling	2	64	Northern White Cedar		Low	5 - 10 feet	Sapling
Black Spruce		49	Sapling	1						
151	42220 - Natural Jack Pine	Poletimber Well	5.2	64	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Jack Pine		100	Pole	8	64	White Pine	Low	Variable	Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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158 42210 - Natural Red Pine Sawtimber Medium 69.6 84 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	90	Log	14	84	White Pine	Medium	Variable	Sapling
White Pine	10	Log	14		Red Pine	Medium	Variable	Sapling
					Black Spruce	Medium	Variable	Sapling
					Jack Pine	Medium	Variable	Sapling

159 6239 - Mixed Emergent Wetland Nonstocked 90.1 No scattered lowland trees of all sizes throughout

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Trace		Sapling
Black Spruce	Low		Sapling
Northern White Cedar	Low		Sapling

160 6122 - Black Spruce Poletimber Well 9.8 60 51-80 N/A ridgeline

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	98	Pole	8	60
Paper Birch	2	Pole	8	

161 42220 - Natural Jack Pine Sapling Well 13.4 21 Immature N/A Red pine superstory.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	90	Sapling	3	21
White Pine	2	Sapling	3	
Red Pine	8	Sapling	3	

162 6229 - Mixed lowland shrub Nonstocked 1.9 No

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Trace		Sapling

163 6122 - Black Spruce Poletimber Well 4.0 87 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	25	Pole	6		Tamarack	Low	Variable	Sapling
Black Spruce	75	Pole	6	87	Black Spruce	Low	Variable	Sapling

164 6120 - Lowland Cedar Sawtimber Well 294.4 134 111-140 N/A Great regeneration on east side and in openings.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	80	Log	10	134	Northern White Cedar	Medium	Variable	Sapling
Black Spruce	10	Pole	6		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	10	Pole	6					

Cedar: 90 110 80 80 190 130 170
BFir: 10 10 10
Spruce: 10 30 10



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
165	710 - Sand, Soil	Nonstocked	1.1			No																																						
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166	6121 - Tamarack	Sapling Well	22.6	36	1-50	N/A																																						
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167	6121 - Tamarack	Poletimber Well	5.3	44	1-50	N/A	South end transitions to higher ground with fir and white pine. Too small to map out seperate.																																					
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168	4130 - Aspen	Sapling Well	1.4	21	Immature	N/A																																						
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170	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	20.1	54	1-50	N/A																																						
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172	6122 - Black Spruce	Sapling Medium	8.0	48	1-50	N/A																																	
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173	42220 - Natural Jack Pine	Poletimber Well	4.3	79	51-80	N/A	Bleed over from next compartment, stand has been cut.																																
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174	6229 - Mixed lowland shrub	Nonstocked	105.7			No																																	
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175	6122 - Black Spruce	Poletimber Well	41.6	79	81-110	N/A	Trees are not growing, Varying size classes and heights some are 5 sticks tall. If 140 is going to be cut they will need to go through this stand.																																
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176	6123 - Lowland Fir	Poletimber Poor	37.5	76	1-50	N/A	Tag alder site that appears to be converting to fir and aspen.																																
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178	3102 - Grass	Nonstocked	6.8			No																																	