



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52051

Entry Year 2022

Acreage: 2,692

County Antrim

Management Area: Jordan Valley

Revision Date: 2020-03-08

Stand Examiner: Matthew Foster

Legal Description:

T31N, R06W, Sections: 7, 17, 18, 27, 28, 29, 30, 31, 32, & 33

Identified Planning Goals:

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

Soil and topography:

Major soils are Kalkaska on upland, Croswell-AuGres & Tawas Muck, and Roscommon Mucky sand on lowland sites. Terrain is level to very steep with slopes in some areas being up to 40%.

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

State ownership in compartment is intermixed with small tracts of private land. General use on state land is recreational camping, fishing, hunting for deer and upland small game.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

The Jordan River which is a designated wild & scenic river runs through part of the compartment which is also classified under the Natural Rivers Act.

Watershed and Fisheries Considerations:

This compartment contains portions of the Jordan River and multiple Jordan River tributaries, all within the Jordan River Watershed. Since all streams are part of the Jordan River Natural River zone, Natural River buffers should be applied. Compartment is wet, so BMP's should be adhered to. Ongoing inactive beaver dam removal and beaver management is occurring in this watershed.

Wildlife Habitat Considerations:

This compartment runs along the Jordan River, which provides habitats for migratory birds including waterfowl, and also provides a corridor and habitat for several species of furbearers. Other species (e.g., raptors) benefit from the abundance of small mammals, amphibians, and reptiles. Management should follow Best Management Practices and be consistent with Natural River regulations to protect the river while providing habitat for the wildlife present.

Mineral Resource and Development Concerns and/or Restrictions

An active sand/gravel pit is located on private land in Section 33. There may be some good sand & gravel potential within the compartment, but much of the compartment is covered by wetlands, which may not be conducive for sand & gravel mining. The areas east and west of the compartment have been developed for Antrim Shale gas production, and additional Antrim potential exists beneath the compartment. However, state lands within the compartment, as part of the Jordan River Valley Management Area, have been classified as non-leasable. State-owned minerals around the edge of the compartment may be getting drained of hydrocarbons from offset wells on adjacent private land. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

The compartment is located along M-66 highway with county maintained roads being Sweet Road, Mt. Bliss Road, Webster Bridge Road, Old State Road, and Graves Crossing Road. Remote trail roads are limited by vast wetland types in several sections. No road closures recommended at this time.

Survey Needs:

Recreational Facilities and Opportunities:

Graves Crossing State Forest Campground is in the southeast quarter of Section 32. Swiss Hideaway private canoe rental is operated just east of the campground. Webster Bridge and Chestonia Bridge Boating Access Sites are also within the compartment. The Jordan Valley snowmobile trail is located on old railroad grades and utility lines as noted on the map.

Fire Protection:**Additional Compartment Information:**

The following reports from the Inventory are attached:

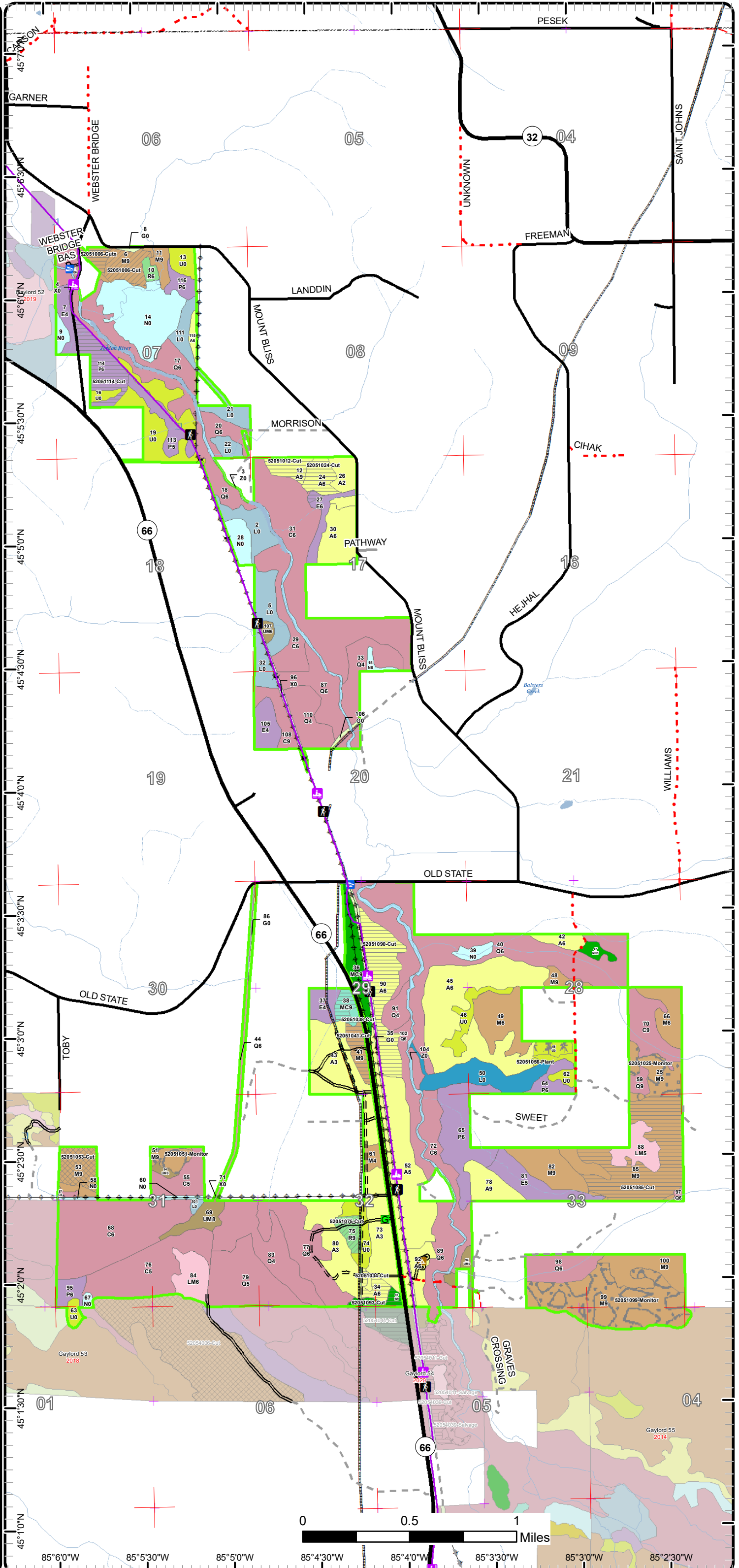
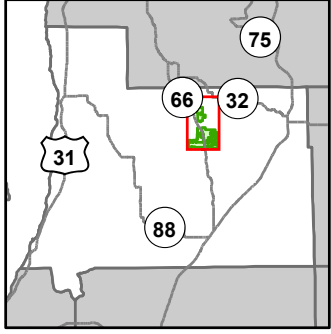
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

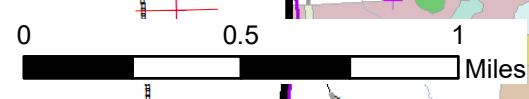
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 51
 T31N, R06W, Sec. 7, 17, 18, 20, 28-33
 T30N, R06W, Sec. 4, 5
 County: Antrim
 Unit: Gaylord
 Mgmt Area: Jordan Valley
 YOE: 2022
 Acres: 2,692 GIS Calculated
 Examiner: Matthew Foster
 Map Revised: 11/20/2020
 Map Phase: Post-Review



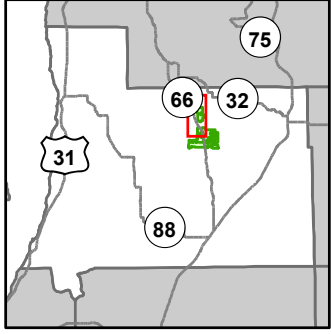
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- DNR - Forest Access Route
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- Federal / State / County - Paved Road
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- Private - Paved Road
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- Gate
- Boating Access Site
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- Pipeline
- Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- Planting (tree species)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
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- 413 - Aspen
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- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland
- 790 - Other Bare/Sparsely Vegetated



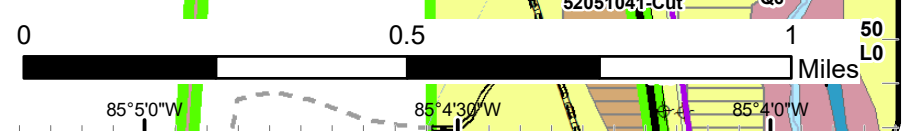
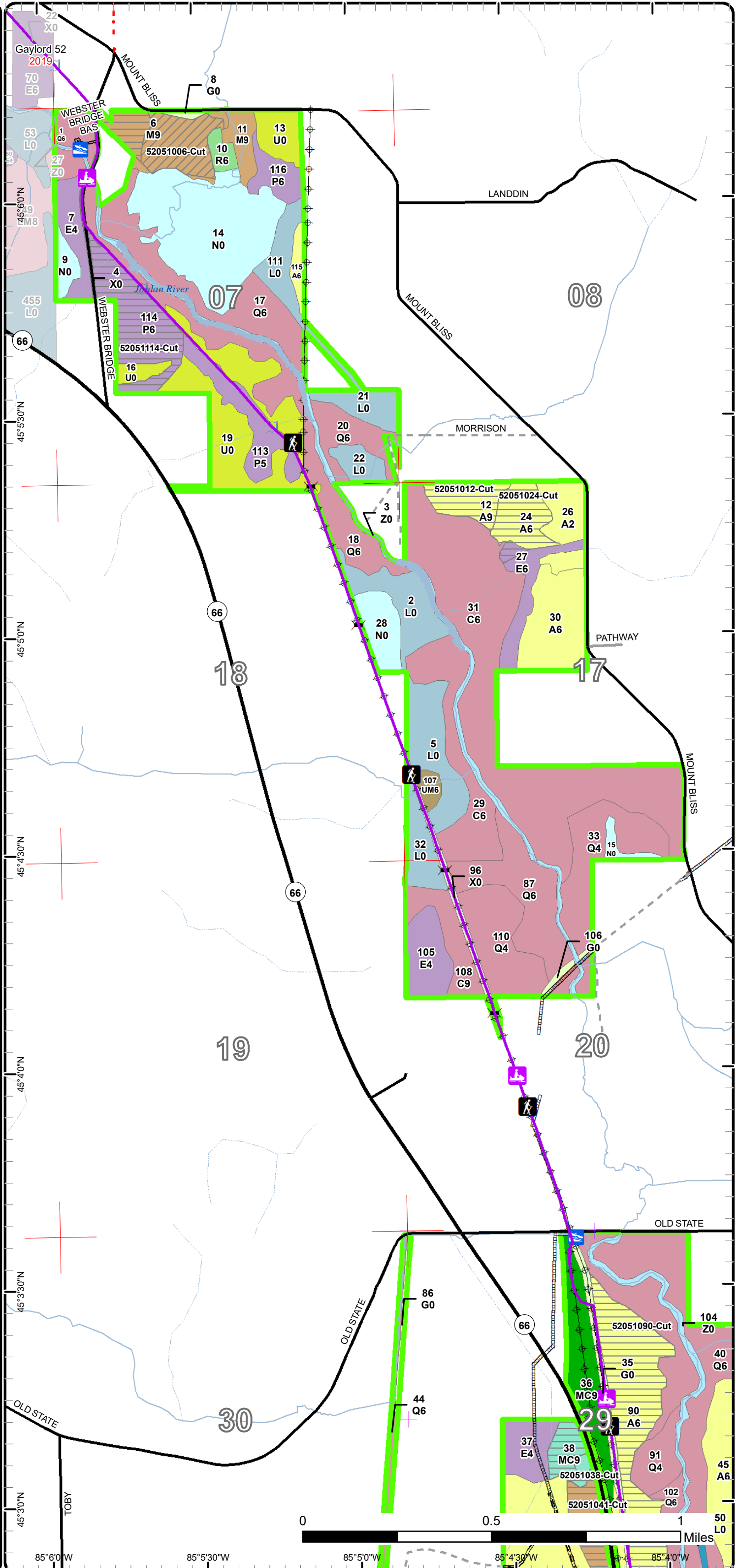
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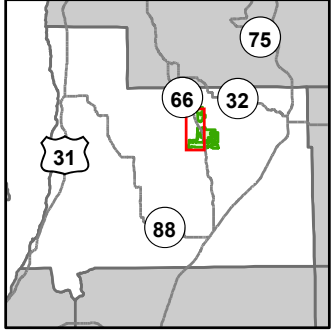
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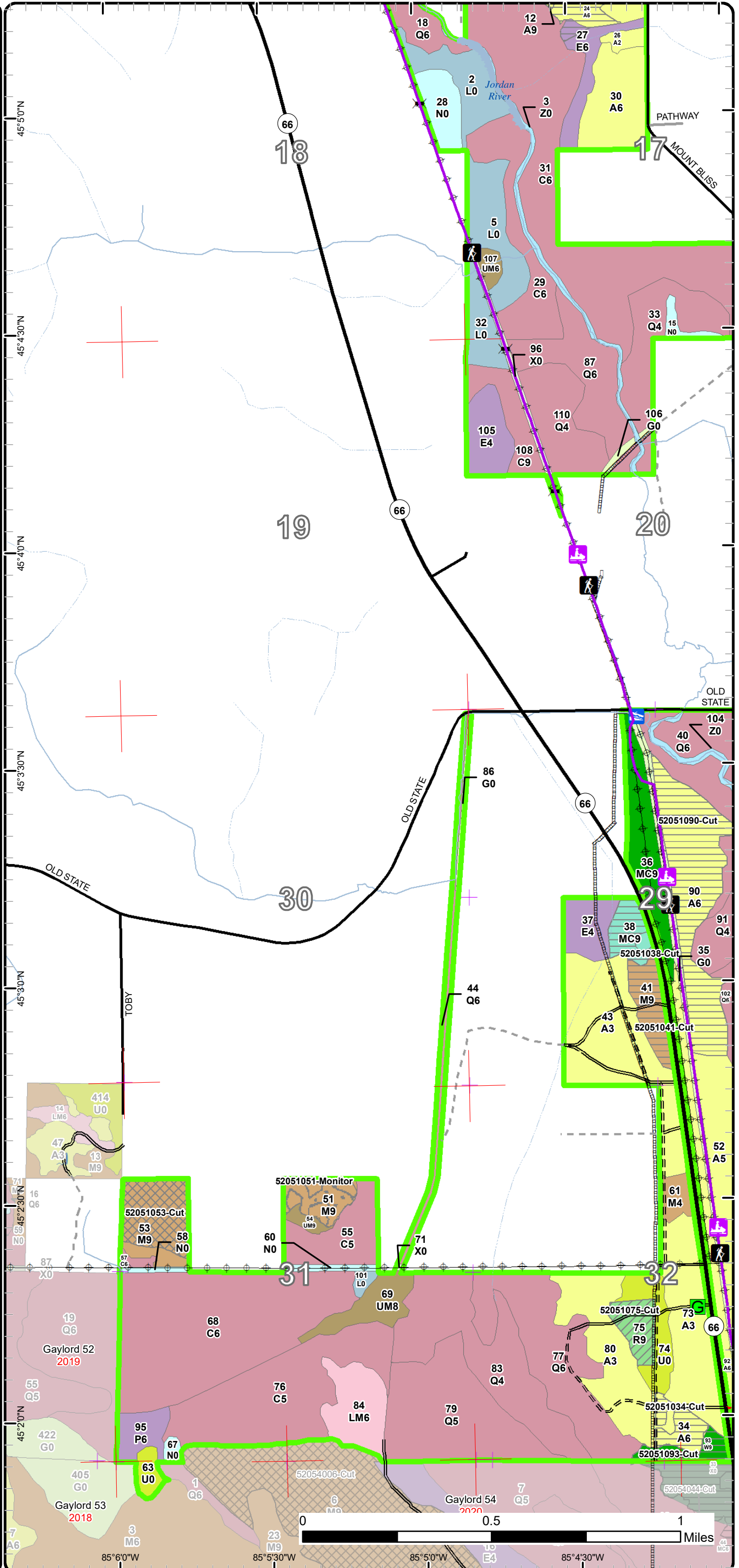
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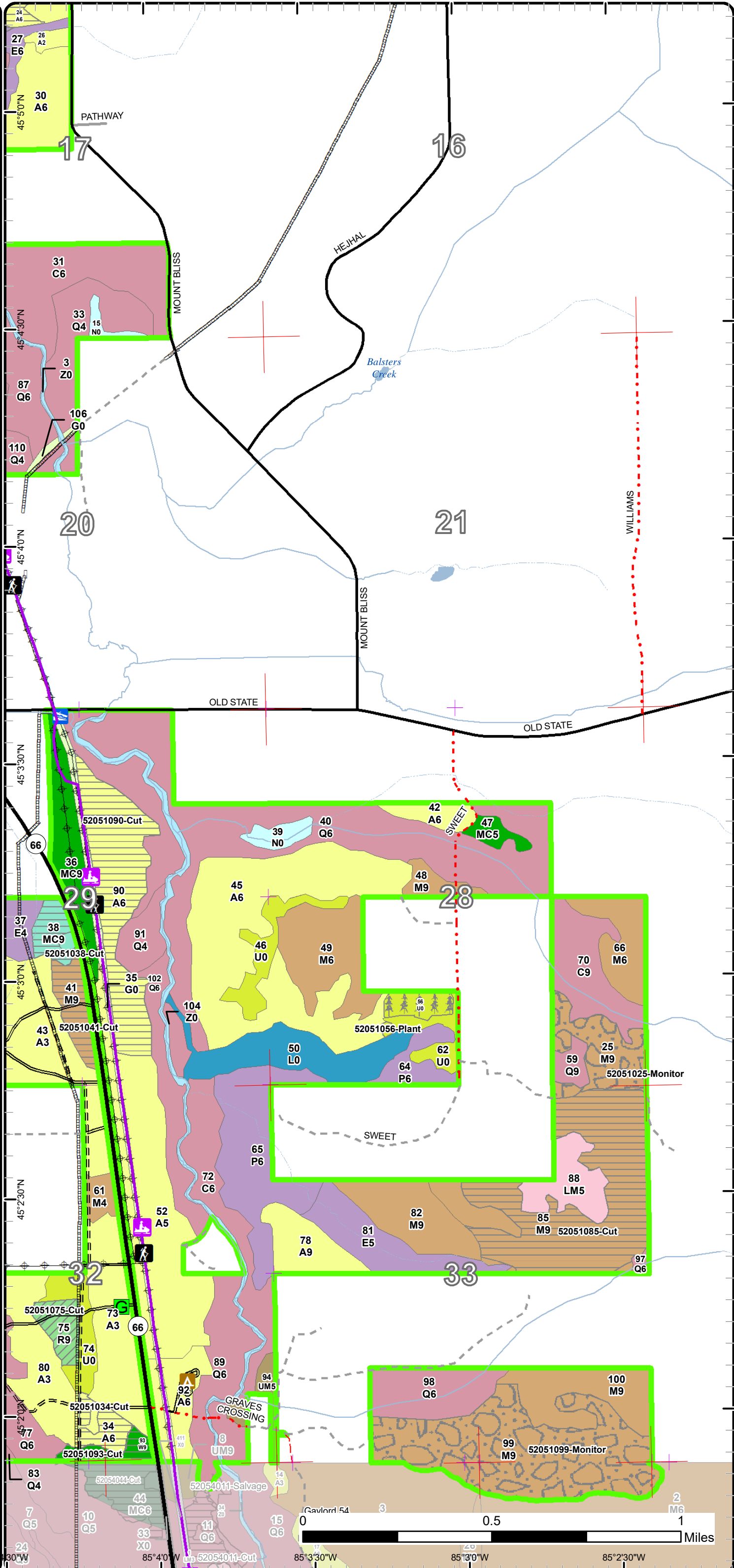
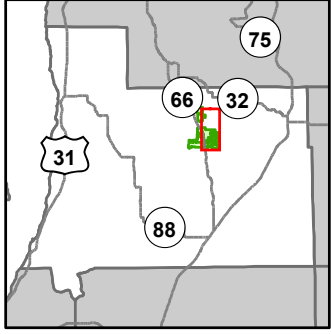
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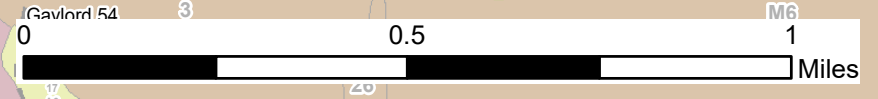
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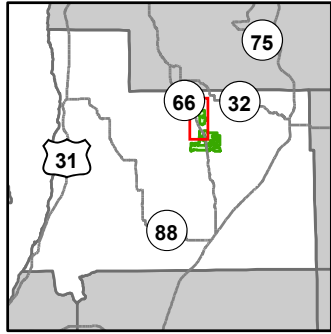
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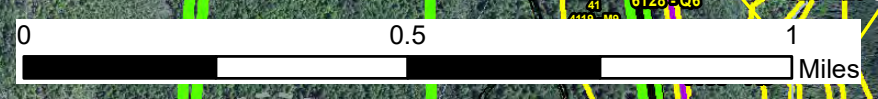
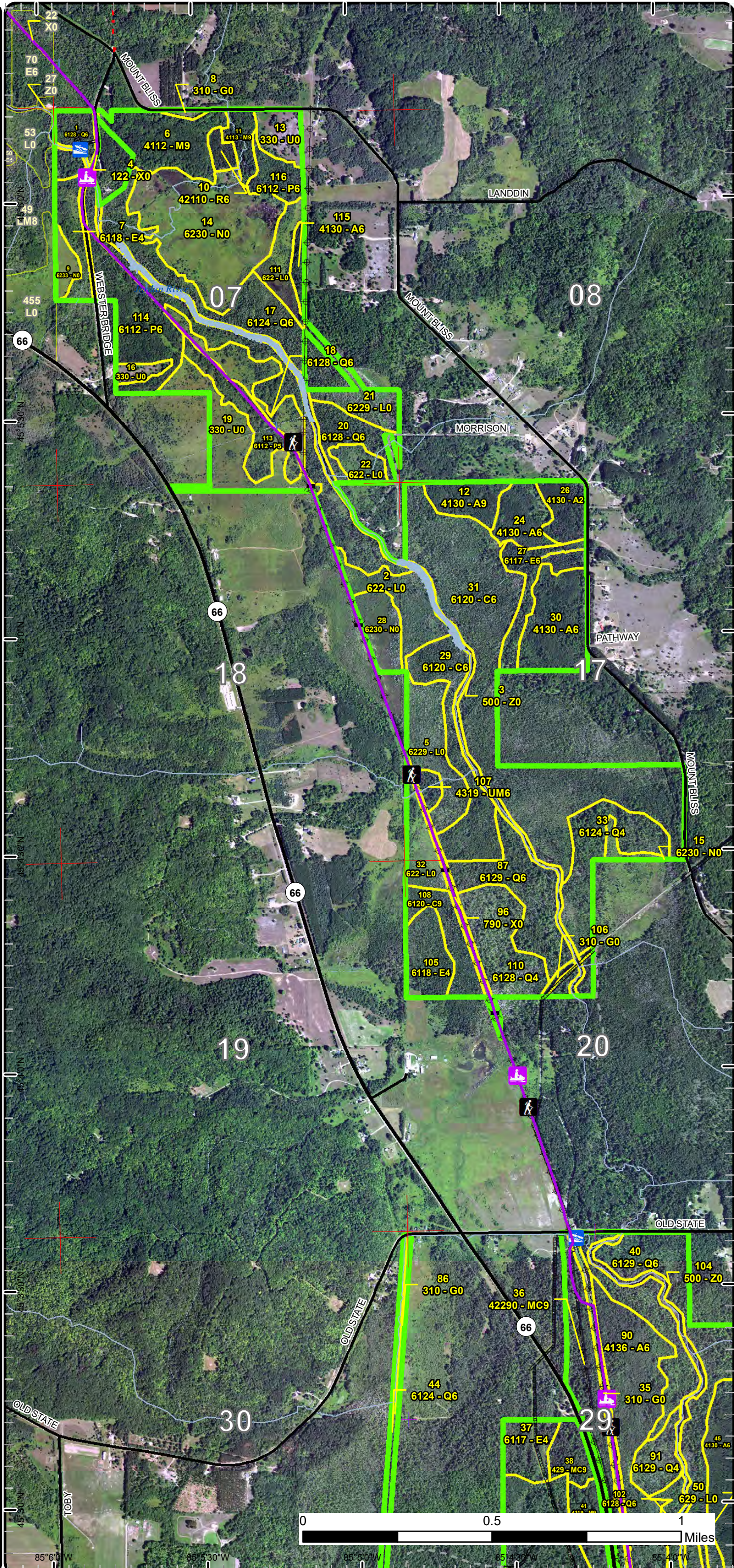
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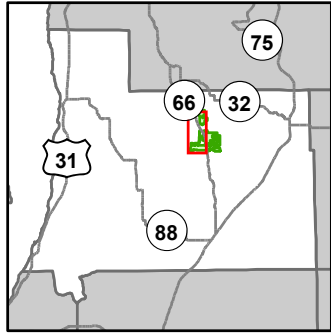
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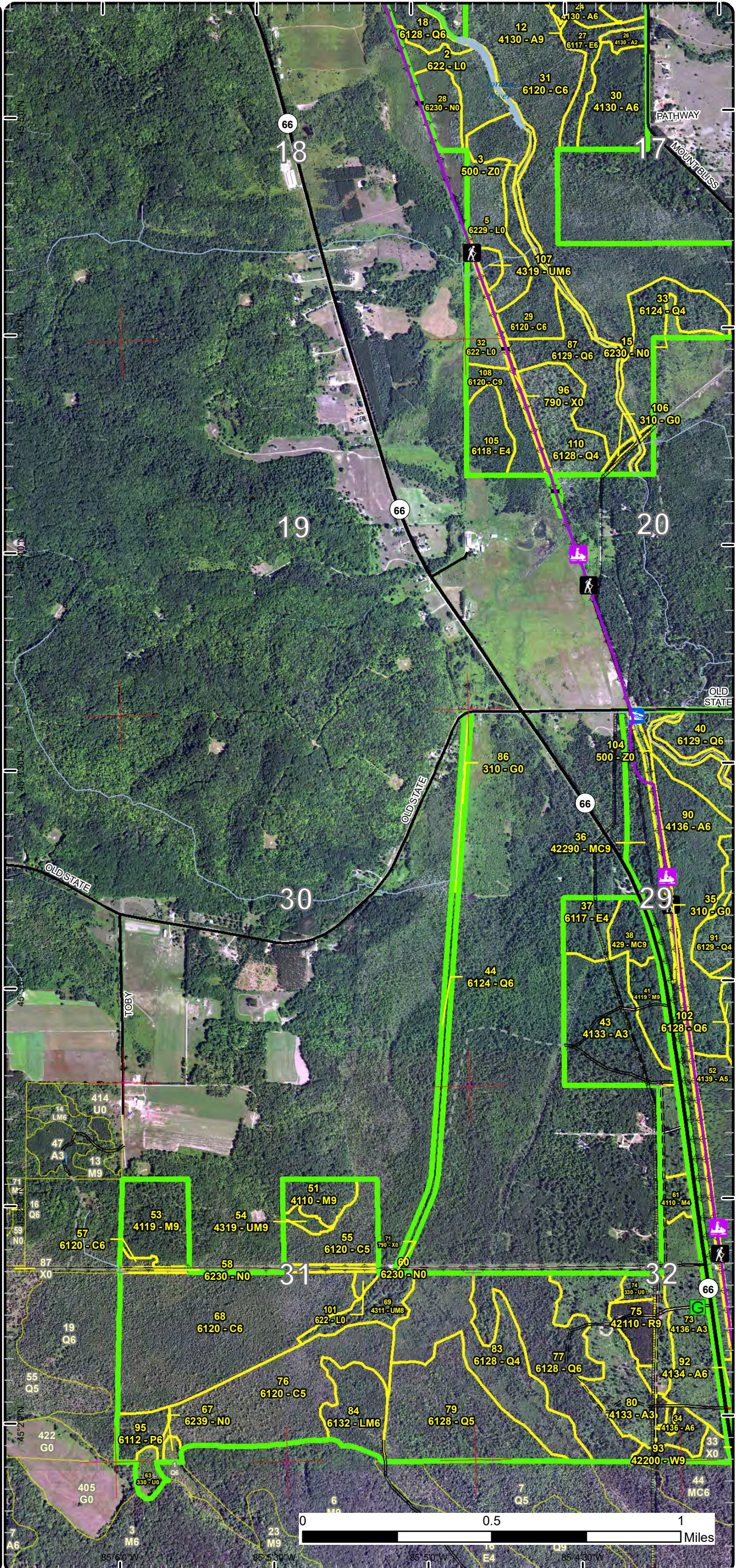
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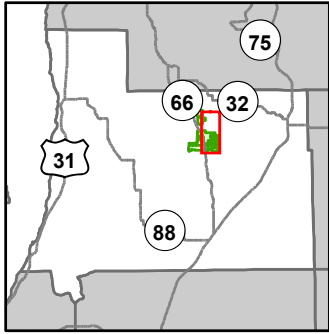


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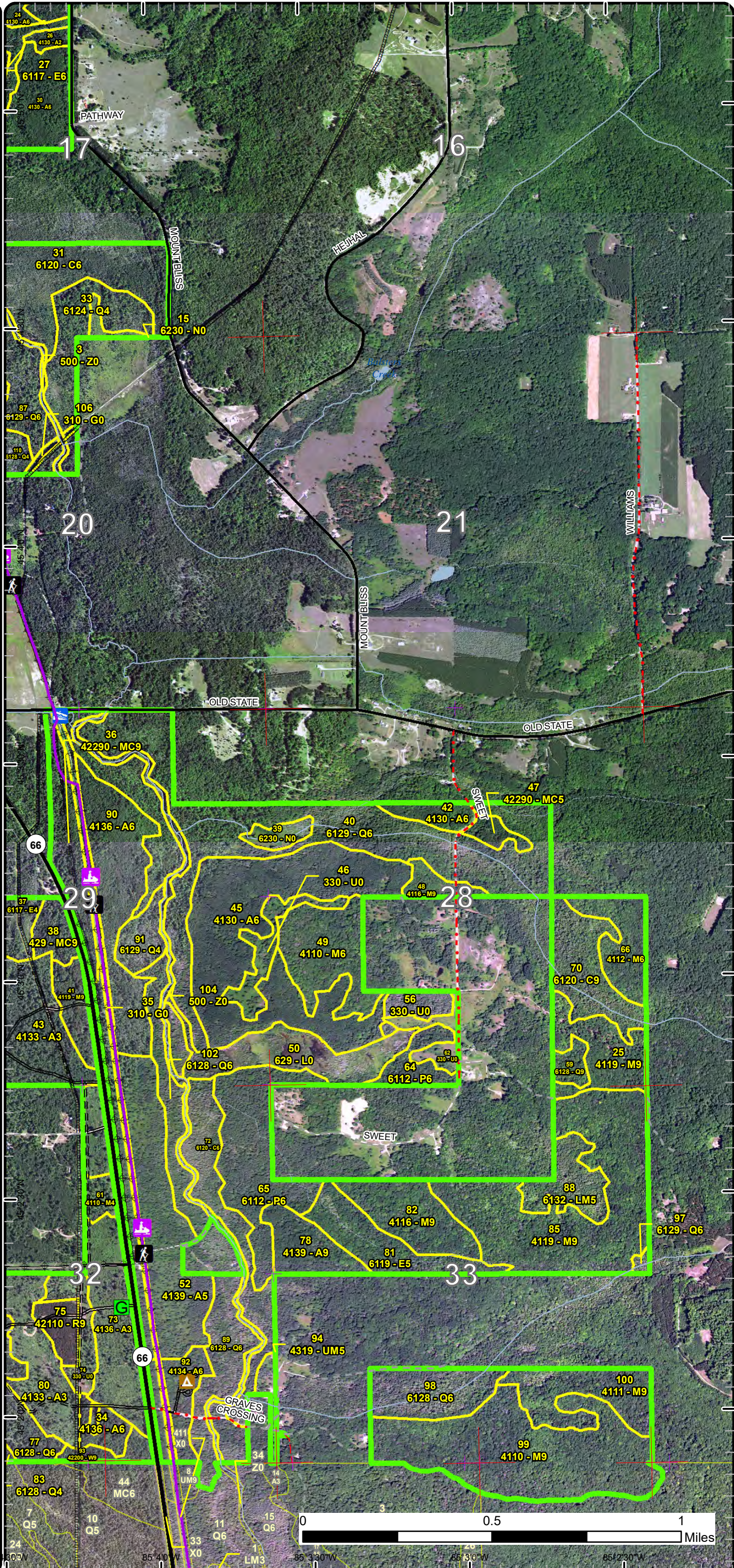


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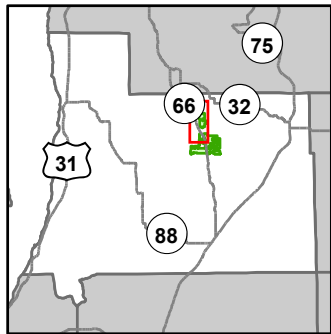


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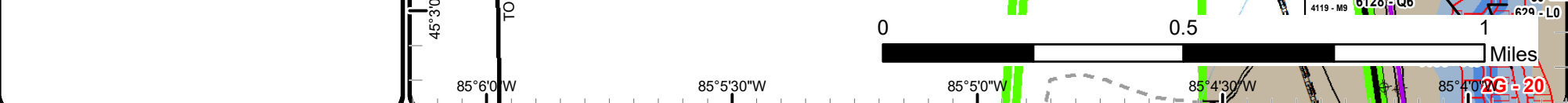
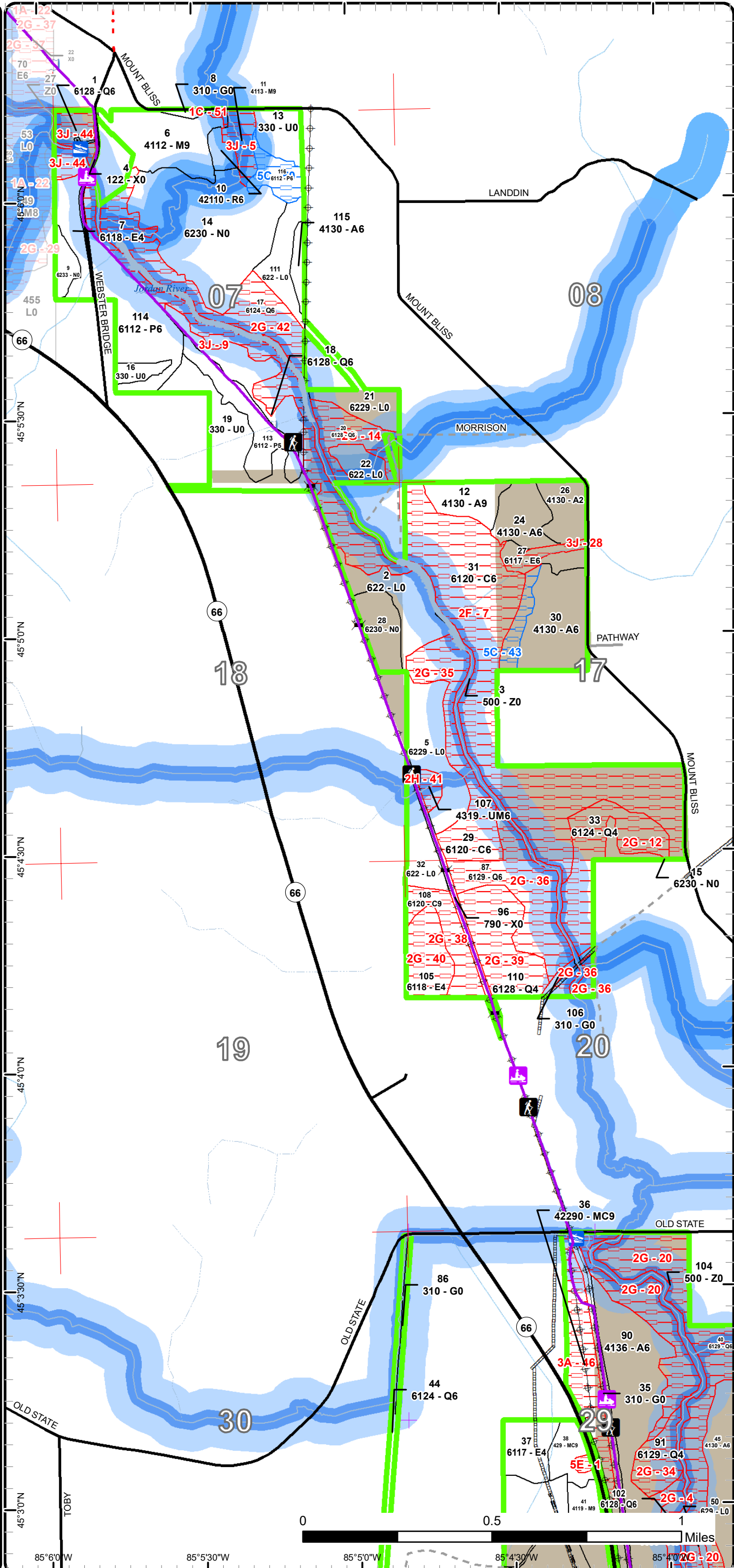


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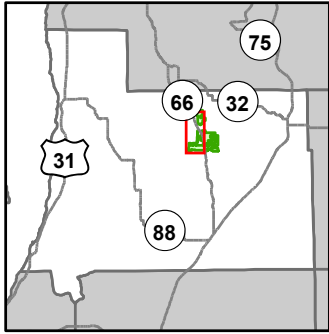


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 - Compartment Boundary
 - Available w/ Constraints
 - Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
 1C: Other dept or div proc/practices
 2F: Too steep
 2G: Too wet (sensitive soils, does not include access issues)
 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
 3A: Conservation Values incompatible with harvest at this time
 3J: Water quality / BMPs (stream, river, or lake)
 5E: Long-Term Retention
- Stand Boundaries
 - Natural Rivers Vegetative Buffer
 - Natural Rivers Zoning District
 - Dedicated Management Areas
 - Cold Water Streams
 - High Priority Trout Stream Buffer

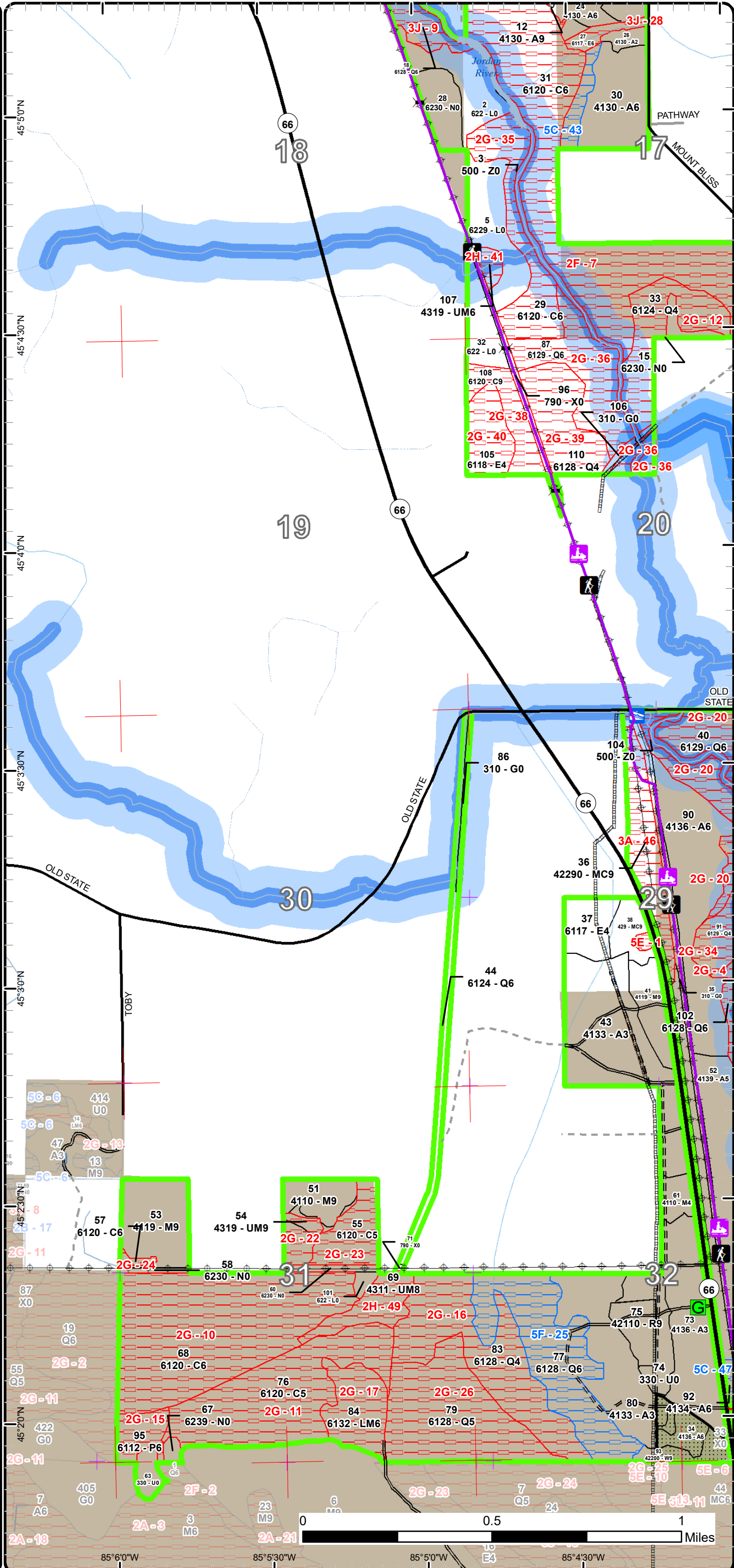


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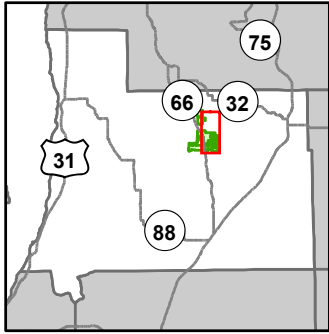


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- Dedicated Management Areas
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- Recreational/Scenic Value Area

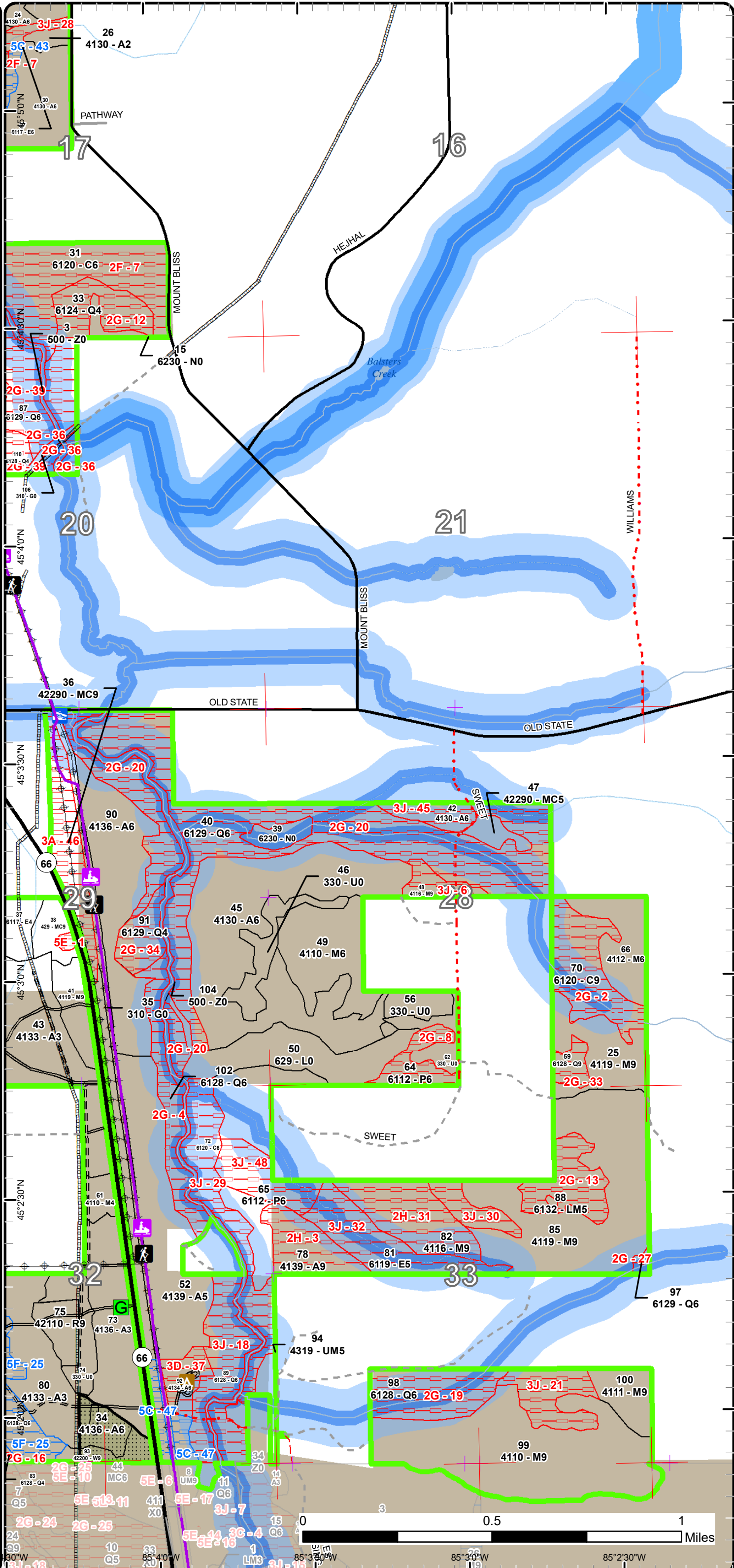


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- Cold Water Lakes
- High Priority Trout Stream Buffer
- Recreational/Scenic Value Area





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	101	47	0	146	134	42	8	12	0	0	0	0	0	0	0	0	0	490
Bare/Sparsely Vegetated	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Cedar	0	0	0	0	0	0	0	0	0	121	128	143	22	0	14	0	0	0	428
Herbaceous Openland	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Low-Density Trees	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	107
Lowland Aspen/Balsam Poplar	0	0	0	0	0	67	9	51	0	0	0	0	0	0	0	0	0	0	127
Lowland Conifers	0	0	0	0	0	0	0	15	0	53	340	0	176	0	0	0	0	29	612
Lowland Deciduous	0	0	0	0	0	12	16	13	0	13	0	0	0	0	0	0	0	28	81
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	40
Lowland Shrub	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122
Marsh	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96
Natural Mixed Pines	0	0	0	0	0	0	6	0	0	0	0	24	0	0	0	0	0	0	30
Northern Hardwood	0	0	0	0	0	0	6	0	32	12	186	150	0	0	0	0	0	38	424
Red Pine	0	0	0	0	0	4	10	0	0	0	0	0	0	0	0	0	0	0	14
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10
Upland Mixed Forest	0	0	0	0	0	0	0	0	11	3	14	0	0	0	0	0	0	0	28
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Water	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Total	405	101	47	0	146	217	89	87	55	202	708	317	198	0	14	0	0	112	2694



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2022

Acres of Harvest

Compartment 51

Total Compartment Acres: 2,692

Commercial Harvest - 281
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	86	0	0	0	0	0	0	0	0	86
Lowland Aspen/Balsam Poplar	29	0	0	0	0	0	0	0	0	29
Northern Hardwood	103	21	0	0	18	0	0	0	0	141
Red Pine	0	0	0	0	10	0	0	0	0	10
Upland Conifers	9	0	0	0	0	0	0	0	0	9
White Pine	7	0	0	0	0	0	0	0	0	7
Total	233	21	0	0	27	0	0	0	0	281

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	281	0	8	0	0	130	0	0	0	419
Next Step	0	0	0	0	0	263	0	0	0	263
Total	281	0	8	0	0	392	0	0	0	682



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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:

6	52051006-Cut	17.5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	111-140	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Thin stand to 80BA, focus on removing mature sawlogs and releasing crop trees. Per Fisheries and Natural Rivers, do not harvest within 100ft of Severance Creek.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> Treatment is approved to be within the Natural Rivers Zoning District, near Severance Creek. Treatment shape has already been adjusted for the 100ft buffer along Severance Creek.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
6	52051006-Cutx	6.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	111-140	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Final harvest, no retention due to small stand size. Leave any hemlock present in this portion of the stand.</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, maple, basswood.</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 /2021</p>											
12	52051012-Cut	11.7	4130 - Aspen	Sawtimber Well	78	141-170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest all trees 2" and up, leave minimum island retention. Leave large white pine (>18"DBH).</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</p> <p><u>Regen:</u></p> <p><u>Other</u> Fairly steep ravine along the stand 12/24 border. Could be an access issue, may need to forward across private to the north if they will allow.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											



Stand	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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24	52051024-Cut	15.1	4130 - Aspen	Poletimber Well	38	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Final harvest all trees 2" and up, leave large white pine (>18" DBH).

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen

Regen:

Other South end may have some wet areas that need to be excluded. Try to extend treatment down to Gook Creek while we are cutting on this side of it. Follow standard BMP's.

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

25	52051025-Monitor	25.1	4119 - Mixed Northern Hardwoods	Sawtimber Well	98	81-110	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Uneven-Aged	No
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Prescription

Specs:

Next Step

Treatments:

Acceptable A mix of deciduous species dominated by desirable hardwood (sugar maple, red maple, basswood) that meets minimum stocking criteria.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

34	52051034-Cut	8.0	4136 - Aspen, Mixed Conifer	Poletimber Well	62	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
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Prescription Final harvest all trees 2" and up, leave all large white pine as retention (>18" DBH).

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, red maple, balsam fir, white pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

38	52051038-Cut	8.6	429 - Mixed Upland Conifers	Sawtimber Well	105	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Final harvest all trees 2" and up. Retention around pocket of large white pine is already delineated out in the treatment layer. Leave white pine over 18" DBH.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of aspen, maple, balsam fir, and white pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

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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
41 52051041-Cut	12.6	4119 - Mixed Northern Hardwoods	Sawtimber Well	90	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<u>Prescription</u> Final harvest all trees 2" and up, leave minimum area retention around the two large hemlock found in the northeast corner of the stand by <u>Specs:</u> the road. Leave the large white pine (over 18" DBH). <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, aspen, cherry, white pine, balsam fir. <u>Regen:</u> <u>Other</u> Only a couple of large white pine in this stand. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021										
51 52051051-Monitor	11.1	4110 - Sugar Maple Association	Sawtimber Well	82	81-110	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Uneven-Aged	No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> A mix of northern hardwood species that meet minimum stocking requirements where less than half the seedlings are ironwood/beechn/ash. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2022										
53 52051053-Cut	21.0	4119 - Mixed Northern Hardwoods	Sawtimber Well	74	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No
<u>Prescription</u> Mark stand with a residual BA of 70-90 sq ft. Establish regen gaps where appropriate. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> A mix of desirable deciduous species (yellow birch, red maple, sugar maple, and basswood) that meets minimum stocking requirements. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2018										
56 52051056-Plant	8.3	330 - Low-Density Trees	Nonstocked	0		Planting	Other - Specify	3303 - Mixed Low Density Trees		No
<u>Prescription</u> Planting of hard and soft mast species for wildlife. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Hard and soft mast species mixed with some aspen. Stand is expected to be mostly open, but a higher stocked stand is also acceptable. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2021										

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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
75 52051075-Cut	9.6	42110 - Planted Red Pine	Sawtimber Well	57	201+	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin stand down to 120 BA. Focus on releasing the red pine by removing jack pine and poor formed, suppressed red pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
85 52051085-Cut	83.2	4119 - Mixed Northern Hardwoods	Sawtimber Well	98	111-140	Harvest	Clearcut with Retention	4116 - Mixed N. Hardwood - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest stand, leave multiple smaller (~1/2 acre) retention islands scattered throughout the stand. Focus retention islands around longer lived species (maple, basswood) and use them to protect any pockets of hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Maple, basswood, aspen.</p> <p><u>Regen:</u></p> <p><u>Other</u> Access is difficult, may require a long skid. Getting a road built into sale will be difficult due to topography. At time of inventory adjacent landowner gave permission to use haul route across her property again.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
90 52051090-Cut	50.8	4136 - Aspen, Mixed Conifer	Poletimber Well	46	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest all trees 2" and up, leave standard island retention. Leave large white pine (>18"DBH). Add snowmobile trail protection specs.</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, red maple, balsam fir, white pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Portions of treatment are within the Natural Rivers Zoning District, adjacent to Jordan River. Treatment is approved by Natural Rivers.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
93 52051093-Cut	7.2	42200 - Natural White Pine	Sawtimber Well	105	111-140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Final harvest stand, do not cut hemlock, mark white pine trees to leave and protect hemlock species. Retention from adjacent stand 44 to the south will also count towards retention in this stand.</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> A mix of species that resembles the original stand species that meets minimum stocking requirements</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 /2015</p>										



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
99 52051099-Monitor	93.3	4110 - Sugar Maple Association	Sawtimber Well	108	81-110	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Check regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Commercial hardwood species that meet minimum stocking requirements.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
114 52051114-Cut	29.3	6112 - Lowland Aspen	Poletimber Well	60	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Final harvest all trees 2" and up, leave the few white pine and cedar. Leave retention where the wettest areas are (north end of treatment, possible creek here). Per Fisheries and Natural Rivers recommendation, no cutting within 100 ft of the Jordan River. Add snowmobile trail protection specs.</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, red maple, balsam fir.</p> <p><u>Regen:</u></p> <p><u>Other</u> Some areas may be too wet to harvest, sale should be set up during snow off conditions. Talked with adjacent landowner during inventory, and he was open to trucks crossing his property so stand 16 can be used as a landing.</p> <p><u>Comment:</u> Treatment is approved to be within Natural Rivers Zoning District, near the Jordan River.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

Total Treatment 419.1
Acreage Proposed:

Report 4 – Site Conditions

Gaylord Mgt. Unit
Matthew Foster : Examiner

Compartment: 51
Year of Entry: 2022



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions									
		With Condition	Not Available		5C	5F	1C	2F	2G	2H	3A	3D	3J	5E
489	443	9	38	Aspen	9					19		10	8	
7	7	0	0	Bare/Sparsely Vegetated										
428	1	0	428	Cedar				121	267				39	
24	24	0	0	Herbaceous Openland										
107	107	0	0	Low-Density Trees										
127	79	9	39	Lowland Aspen/Balsam Poplar	9				22				17	
613	17	53	542	Lowland Conifers		53			468				75	
80	26	7	48	Lowland Deciduous	7				16				32	
40	0	0	40	Lowland Mixed Forest					40					
123	123	0	0	Lowland Shrub										
96	96	0	0	Marsh										
30	6	0	24	Natural Mixed Pines							24			
423	353	0	71	Northern Hardwood			0			29			42	
13	13	0	0	Red Pine										
10	9	0	1	Upland Conifers										1
28	8	0	19	Upland Mixed Forest					2	17				
3	3	0	0	Urban										
43	43	0	0	Water										
7	7	0	0	White Pine										
2,692	1,364	77	1,251	Total Forested Acres	24	53	0	121	814	65	24	10	214	1
	51%	3%	46%	Relative Percent										

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2F: Too steep	121	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Small creek at the north end.							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	104	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	65	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	56	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	26	1A: Federal/State/Local Law	Unspecified	Unspecified	Unspecified
Comments: Jordan River Natural Buffer							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	147	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Steep slopes with seeps/wet area.							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Available	5F: Evaluated for Forest Health Considerations	53	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	57	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Gook Creek							
29	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	39	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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32	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	31	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	36	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	3D: Recreational / Scenic values	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Matthew Foster : Examiner

Compartment: 51
Year of Entry: 2022



38	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Matthew Foster : Examiner

Compartment: 51
Year of Entry: 2022



43	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold and harvest with stand 30.							
44	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments: Jordan River, Webster Bridge BAS.							
45	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	3A: Conservation Values incompatible with harvest at this time	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
48	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	18	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gaylord Mgt. Unit
Matthew Foster : Examiner

Compartment: 51
Year of Entry: 2022



49	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
50	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
51	Unavailable	1C: Other dept or div proc/practices	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



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	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	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.
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	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	10.7	95	51-80	N/A	Variable stand, some areas cedar dominated and others more aspen/maple. This stand is on both sides of the river and includes the Webster Bridge boating access site.																																																								
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2	622 - Lowland Shrub	Nonstocked	18.9		Immature	No	A few scattered spruce and cedar, but mostly tag alder and cattails.																																																								
3	500 - Water	Nonstocked	22.9		Unspecified	No	Jordan River																																																								
4	122 - Road/Parking Lot	Nonstocked	3.0		Unspecified	No	Webster Bridge Road																																																								
5	6229 - Mixed lowland shrub	Nonstocked	22.8		Immature	No	Lowland deciduous with patches of swamp conifer. Very wet. overall size 6" dbh black ash. Conifer is larger diameter and concentrated along the Jordan River. Foot bridge across river by private. tag alder, cattails, and standing dead, very wet																																																								
6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	26.1	100	111-140	N/A	Northern hardwood log stand with high percentage of red maple. West end is about 50/50 aspen to hardwood. This stand was marked last entry but sale was turned in and never completed.																																																								
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7	6118 - Lowland Deciduous with Cedar	Poletimber Poor	11.6	40	1-50	N/A	Sparse, south end tag alder dominated, heavy deer browse on the sapling sized cedar at the north end. Small open area also included at the north end.																																																								
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8	310 - Herbaceous Openland	Nonstocked	1.4			No	Small opening along the road.																																																								
9	6233 - Wet Meadow	Nonstocked	5.2			No	Wet open land, a few scotch pine seeding in.																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																		
10	42110 - Planted Red Pine	Poletimber Well	3.9	45	111-140	N/A	Red pine plantation, some patchy openings at the south end.																																																																		
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11	4113 - R.Maple, Conifer	Sawtimber Well	7.5	95	81-110	N/A	Severance creek is on west side of stand. Unique stand with mix of hardwood & hemlock, swamp conifer.																																																																		
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12	4130 - Aspen	Sawtimber Well	11.7	78	141-170	N/A	Nice aspen log stand, wasn't cut with adjacent stand 24. Steep gully along east boundary.																																																																		
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13	330 - Low-Density Trees	Nonstocked	9.9			No	Scattered cherry, scotch pine and white pine.																																																																		
14	6230 - Cattail	Nonstocked	62.4			No	Large area of cattail, lowland shrubs, a few scattered trees.																																																																		
15	6230 - Cattail	Nonstocked	3.3	0	Unspecified	No	Some standing dead mixed with cattail.																																																																		
16	330 - Low-Density Trees	Nonstocked	3.8		Unspecified	No	Open grown cherry with 10-20 ft tall scotch pine.																																																																		



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17	6124 - Lowland Spruce-Fir	Poletimber Well	33.4	93	111-140	N/A	Mixed conifer stand, cedar is mostly concentrated near the river. Pockets of standing dead ash.																																																									
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18	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	38.7	95	51-80	N/A	Aspen, conifer mix along the Jordan River, pockets of dead ash.																																																									
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19	330 - Low-Density Trees	Nonstocked	44.2			No	This stand has a little bit of everything. This is wet with lowland shrubs, scattered scotch pine, tamarack, and aspen.																																																									
20	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	14.3	92	81-110	N/A	Access road is private, Morrison Road with creeks flowing in multiple directions in road ditch. Stand is wet, balsam fir is very thick in spots.																																																									
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21	6229 - Mixed lowland shrub	Nonstocked	13.3			No	Very wet, shrubs and cattail. Some scattered trees and standing dead.																																																									
22	622 - Lowland Shrub	Nonstocked	6.9		Unspecified	No	Shrubs with some ash regenerating, a lot of standing dead.																																																									



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24	4130 - Aspen	Poletimber Well	13.6	38	111-140	N/A	Nice aspen stand, could harvest if we want to get back to stand 12.																																																												
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25	4119 - Mixed Northern Hardwoods	Sawtimber Well	25.1	98	81-110	N/A	Stand was originally part of stand 85, only harvested portion of sale Princess Hardwoods (52-016-12-01). Harvested in 2016, good quality. Gaps are mostly rubus right now.																																																												
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26	4130 - Aspen	Sapling Medium	14.8	3	Immature	N/A	Stand harvested in 2016, pockets of aspen regenerating. Open areas, especially where the pine and spruce were. I would say overall a little over 50% tree cover.																																																												
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27	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	12.5	85	81-110	N/A	Mixed stand, Gook Creek runs through the north portion, south portion seems pretty dry. Should look to harvest when stand 30 is harvested in the future.																																																												
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28	6230 - Cattail	Nonstocked	12.4		Immature	No	Wet, cattail.																																																												



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29	6120 - Lowland Cedar	Poletimber Well	30.6	95	51-80	N/A	North and south ends more dominated by cedar, middle is more of a mix with some standing dead ash.																																																														
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30	4130 - Aspen	Poletimber Well	27.5	38	51-80	N/A	Nice aspen stand, harvested in 1982. Scattered log sized white pine throughout, looks like they left a buffer along Mount Bliss Road.																																																														
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31	6120 - Lowland Cedar	Poletimber Well	121.2	82	81-110	N/A	Swamp conifer with creek running paralell with Mt. Bliss Rd. Small strip of aspen/maple right along Mt Bliss Rd on slope down is included.																																																														
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32	622 - Lowland Shrub	Nonstocked	11.6		Immature	No	Mixture of tag alder and cattails, small pocket of aspen fir at north end, very wet.																																																														
33	6124 - Lowland Spruce-Fir	Poletimber Poor	29.0	95	1-50	N/A	Lowly stocked swamp conifer with mortality noted due to high water table. Understory is very dense in spots.																																																														
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34	4136 - Aspen, Mixed Conifer	Poletimber Well	8.1	62	81-110	N/A	Split from the south half that is being cut, look to harvest and leave the big pine.																																																
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35	310 - Herbaceous Openland	Nonstocked	18.4			No	Powerline Corridor, also the snowmobile trail.																																																
36	42290 - Natural Mixed Pine	Sawtimber Well	24.4	105	141-170	N/A	Natural White Pine stand with deciduous mix, unique pine stand along M-66. Wet drainage with a creek in this stand, some Xlog WP.																																																
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37	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	12.9	65	1-50	N/A	Previously unforested, has grown it but still sparse with tag alder and wet areas.																																																
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38	429 - Mixed Upland Conifers	Sawtimber Well	9.8	105	81-110	N/A	White pine mixed with some maple and aspen, BA is variable.																																																
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39	6230 - Cattail	Nonstocked	6.3			No	Beaver flooding, mix of cattail and standing dead trees.																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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40 6129 - Mixed Coniferous Lowland Forest Poletimber Well 147.2 93 111-140 N/A Swamp conifer stand with Scott's Creek and the Jordan River running through it. High water table. Deer yard, some of stand is Q3 with smaller diameter.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole	8		Balsam Fir	Medium	10 - 20 feet	Sapling
Balsam Fir	30	Pole	6		Black Spruce	Low	>20 feet	Sapling
Black Spruce	10	Pole/Log	9		Tag Alder	Medium	>20 feet	Tall Shrub
Northern White Cedar	30	Pole	7	93				
Tamarack	10	Pole	8					
Hemlock	5	Pole	9					
Red Maple	3	Pole	8					

41 4119 - Mixed Northern Hardwoods Sawtimber Well 12.6 90 51-80 N/A Small stand of multi-stemmed red maple mixed with a few aspen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	58	Log/Pole	10	90	Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen	13	Log/Pole	10		White Pine	Low	5 - 10 feet	Sapling
Balsam Fir	5	Pole	7		Red Maple	Medium	10 - 20 feet	Sapling
White Pine	10	Log	15					
Black Cherry	10	Pole/Log	9					
Hemlock	1	Log	15					
Paper Birch	3	Pole/Log	9					

42 4130 - Aspen Poletimber Well 8.5 49 51-80 N/A Majority of stand pole sized, a couple pockets of older, large diameter bigtooth aspen, especially on slope near Sweet Rd. Stand is a south facing slope that leads down to swamp/creek.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Sapling	3		Ironwood	Medium	10 - 20 feet	Sapling
Quaking Aspen	40	Pole	7	49	Balsam Fir	Low	Variable	Sapling
Bigtooth Aspen	30	Pole/Log	8					
Sugar Maple	10	Pole/Log	9					

43 4133 - Aspen, Mixed Pine Sapling Well 46.6 14 Immature N/A Stand was cut in 2006, scattered clumps of white pine left. Stand could be coded as a W7 or an A3, NW portion of the stand has a wet drainage filled with tag alder and some standing dead ash.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	35	Sapling	2	14	Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine	25	Log	14	90				
Red Maple	15	Sapling	2					
White Pine	5	Sapling	4					
Balsam Fir	10	Sapling	3					
Bigtooth Aspen	10	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
44	6124 - Lowland Spruce-Fir	Poletimber Well	15.0	60	51-80	N/A	Long railroad corridor, wet.																																																							
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45	4130 - Aspen	Poletimber Well	105.0	37	51-80	N/A	Good looking aspen stand, cut in 1983. Beaver flooding & dams along north and south edges of the stand. Small creek in north part of stand, guessing it flows into stand 39. Fir component in the understory gets heavier as you get closer to the Jordan River.																																																							
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46	330 - Low-Density Trees	Nonstocked	14.1			No	Scattered cherry, white pine, red maple and some aspen filling in.																																																							
47	42290 - Natural Mixed Pine	Poletimber Medium	5.5	55	51-80	N/A	Mixed stand of white pine and about an acre of planted red pine. Red pine was thinned and all aspen and red maple removed during harvest in 2017. Good aspen regeneration coming back.																																																							
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48	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	7.4	71	111-140	N/A	East half of stand is a wetland with standing water influenced by Scott Creek. West half is a steep hill adjacent to Sweet Rd. and private. This stand will have to be managed with stand 45 when it is ready.																																																							
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49	4110 - Sugar Maple Association	Poletimber Well	34.8	90	81-110	N/A	Found a couple pockets of nicer stuff but this is mostly lower quality, open grown. Some steep hills, a few oak at the south end. A creek runs along the north edge.																																																												
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50	629 - Mixed non-forested wetland	Nonstocked	35.3			No	Wet, looks like multiple beaver dams over the years. Some areas filling in with trees, others open with lowland shrubs and cattail.																																																												
51	4110 - Sugar Maple Association	Sawtimber Well	11.5	82	81-110	N/A	Harvested in fall of 2015, not much in the understory, heavy deer browse.																																																												
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52	4139 - Aspen, Mixed Deciduous	Poletimber Medium	74.9	46	1-50	N/A	Open grown cherry mixed with aspen pockets. Good amount of white pine growing underneath.																																																												
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53	4119 - Mixed Northern Hardwoods	Sawtimber Well	24.9	74	81-110	N/A	Steep terrain with some hemlock and yellow birch in the southwest corner. Looks like the south end was not marked, so has a higher BA with more pole sized trees.																																																												
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54	4319 - Mixed Upland Forest	Sawtimber Well	2.7	86	81-110	N/A	Downslope to cedar swamp, mix of maple, hemlock, and cedar. Couple of small creeks running into the swamp.																																															
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55	6120 - Lowland Cedar	Poletimber Medium	22.1	113	1-50	N/A	Swamp conifer stand. very wet lots of blowdown																																															
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56	330 - Low-Density Trees	Nonstocked	8.3	0		4139 - Aspen, Mixed Deciduous	Spruce plantation harvested in 2016 as part of rooster mix sale (52-011-12-01). A couple of small pockets of aspen otherwise nothing regenerating, just rubus and grasses, a couple wet areas with cattails. A few scattered white pine left from harvest.																																															
57	6120 - Lowland Cedar	Poletimber Well	1.9	97	51-80	N/A	Small cedar stand at the base of the hardwood hills. very wet.																																															
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58	6230 - Cattail	Nonstocked	1.7			No	Powerline corridor, very wet with cattail throughout and tag alder along the edges.																																															



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59	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	6.0	98	111-140	N/A	Swamp conifer stand with some lowland deciduous mix. Aspen, yellow birch, basswood on edges. Some blowdown, one creek found. Looks like it is heavily used for deer cover in the winter.																																																						
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60	6230 - Cattail	Nonstocked	3.0			No	Powerline corridor, very wet with cattail throughout and tag alder along the edges.																																																						
61	4110 - Sugar Maple Association	Poletimber Poor	6.0	50	1-50	N/A	Scattered cherry with white pine in the understory.																																																						
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62	330 - Low-Density Trees	Nonstocked	8.8		Immature	No	Opening filling in with quite a bit of white pine, could be coded as a white pine stand soon. North portion looks wet with some ruts.																																																						
63	330 - Low-Density Trees	Nonstocked	4.9		Immature	No	Scattered cherry.																																																						
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64	6112 - Lowland Aspen	Poletimber Well	11.9	62	51-80	N/A	Wet aspen with a creek flowing from Sweet Road westerly at the north end. Would be nice to harvest this stand if we can. Found a couple of apple trees in the south half.																																																						
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65	6112 - Lowland Aspen	Poletimber Well	49.1	45	81-110	N/A	Aspen/fir mix, south half it wet with a couple of creeks. North portion is drier and pockets look older than the overall stand age.																																																						
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66	4112 - Maple, Beech, Cherry Association	Poletimber Well	21.1	92	81-110	N/A	Northern hardwood polestand on hilly terrain with red maple component. Access difficult with Scotts Creek and private. BA is right around 110, a couple of wet areas found adjacent to stand 70 and at the north end near private.																																																									
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67	6239 - Mixed Emergent Wetland	Nonstocked	1.9		Immature	No	wet area with cattails lowland shrub and scattered spruce fir																																																									
68	6120 - Lowland Cedar	Poletimber Well	103.8	108	81-110	N/A	Wet cedar stand, north edge of stand has more white pine.																																																									
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69	4311 - Pine, Aspen Mix	Sawtimber Medium	14.0	99	51-80	N/A	Semi-open mixed stand of natural white pine, balsam fir, and aspen. Old CCC camp site.																																																									
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70	6120 - Lowland Cedar	Sawtimber Well	30.2	98	111-140	N/A	Pockets of blowdown, wet with multiple creeks found. Looks like it is heavily used for deer cover in the winter.																																																									
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71	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.2			No	Small piece of high ground on powerline corridor.																																																																			
72	6120 - Lowland Cedar	Poletimber Well	39.3	100	81-110	N/A	Conifer stand along the Jordan River, some areas very wet. North half is more spruce/fir while south half is more cedar.																																																																			
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73	4136 - Aspen, Mixed Conifer	Sapling Well	47.7	4	Immature	N/A	Harvested in 2014/2015, regenerating well. A couple of more open spots with cherry in the middle. Balsam fir and white pine were left during the harvest.																																																																			
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74	330 - Low-Density Trees	Nonstocked	12.8			No	Open grown cherry with white pine and jack pine, pipeline corridor part of the stand.																																																																			
75	42110 - Planted Red Pine	Sawtimber Well	9.6	57	201+	N/A	Mixture of planted red pine and jack pine. Plantation was thinned in 2006 with a marked thinning.																																																																			
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76	6120 - Lowland Cedar	Poletimber Medium	65.0	90	51-80	N/A	Mostly cedar, wet, some open areas with tag alder.																																																																			
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77 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 53.2 82 81-110 N/A Lowland conifer, mixed deciduous stand with variable density. some sparse areas, high ground wp to low fir spruce, aspen throughout could cut north end more cedar

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	8		Red Maple	Low	5 - 10 feet	Sapling
Paper Birch	5	Pole	7		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	20	Pole	8		Black Ash	Low	< 5 feet	Seeding
Balsam Fir	25	Pole	7	82	Tag Alder	Medium	10 - 20 feet	Tall Shrub
Black Spruce	10	Pole	8					
Northern White Cedar	15	Pole	8					

78 4139 - Aspen, Mixed Deciduous Sawtimber Well 19.4 56 81-110 N/A Aspen stand, more hardwood in the southeast corner, a couple of wet spots. Tough access to harvest with adjacent creek and private.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Log	14		Sugar Maple	Low	Variable	Sapling
Basswood	20	Log	14		Ironwood	Medium	>20 feet	Sapling
Bigtooth Aspen	55	Log	12	56	Balsam Fir	Low	Variable	Sapling
Hemlock	1	Pole	6					
Ironwood	5	Pole	5					
Balsam Fir	4	Pole	6					

79 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 57.4 113 81-110 N/A Swamp conifer with variable stocking that is highest density in the east half.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Pole	7		Balsam Fir	Medium	10 - 20 feet	Sapling
Black Spruce	10	Pole	8					
Northern White Cedar	45	Pole/Log	9	113				
White Pine	5	Log/XLog	14					
Paper Birch	5	Pole	7					
Red Maple	10	Log/Pole	11					
Hemlock	5	Log/Pole	10					
Quaking Aspen	5	Pole	8					

80 4133 - Aspen, Mixed Pine Sapling Well 38.0 4 Immature N/A Harvested 2014/15, dense aspen regeneration mixed with white pine of all sizes left from the harvest.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	20	Pole/Sap/Log	6	
Quaking Aspen	50	Sapling	1	4
Black Cherry	5	Sapling	1	
Bigtooth Aspen	15	Sapling	1	
Red Maple	10	Sapling	1	



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81	6119 - Mixed Lowland Deciduous Forest	Poletimber Medium	27.5	85	1-50	N/A	Wet, lowland deciduous band with intermittent creek running northwesterly through stand. North slope of the stand is mostly aspen while south slope is mostly basswood/sugar maple.																																																									
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82	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	28.5	98	111-140	N/A	Northern hardwood mixed with aspen, difficult access. Found two creeks on the west half of this stand slowing west.																																																									
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83	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	55.6	113	1-50	N/A	Tag alder dominated with scattered cedar, fir, spruce and aspen. South end has some standing dead ash. Overall this stand is borderline forested/non forested.																																																									
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84	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	21.0	90	51-80	N/A	Good amount of paper birch in this stand, very wet, drainage with dead ash included.																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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85	4119 - Mixed Northern Hardwoods	Sawtimber Well	94.0	98	111-140	N/A	Hardwood stand mixed with aspen, ash is dead and a lot of it is on the ground already. Look to do something here, should be more aggressive with the presence of ash/beechn/aspn.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		30	Log/Pole	12	98	Beech	
Red Maple		10	Log/Pole	11		Ironwood	
Yellow Birch		4	Log/Pole	10		Sugar Maple	
Basswood		23	Log/Pole	13	98	Density	
Beech		15	Log	12		Avg. Height	
Bigtooth Aspen		15	Log	12		Size	
Hemlock		2	Log/Pole	12			
White Pine		1	Log	15			

86	310 - Herbaceous Openland	Nonstocked	2.8			No	Grassy opening, part of old RR corridor.
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87	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	36.0	110	51-80	N/A	Cedar stand along the river, scattered large diameter white pine. North end a little more open with fir and tag alder.
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Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		10	Log/XLog	16		Balsam Fir	
Northern White Cedar		35	Log/Pole	10	110	Black Spruce	
Hemlock		5	Log/Pole	11		Red Maple	
Red Maple		10	Log/Pole	10		Tag Alder	
Balsam Fir		25	Pole	9		Density	
Black Spruce		8	Pole/Log	9		Avg. Height	
Paper Birch		5	Pole	8		Size	
Tamarack		2	Pole/Log	9			

88	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	19.4	95	1-50	N/A	Mixture of lowland deciduous and swamp conifer species, wet, creek flowing through. West half is more deciduous dominated, north half more dominated by cedar.
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Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		25	Pole	9		Black Ash	
Yellow Birch		10	Pole	9		Balsam Fir	
Quaking Aspen		15	Pole	8		Red Maple	
Northern White Cedar		25	Pole	8	95	Density	
Hemlock		10	Log	12		Avg. Height	
Balsam Fir		10	Pole	6		Size	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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89 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 27.5 93 111-140 N/A Swamp conifer along Jordan River. Some pockets of blowdown with regeneration.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	8	Log/Pole	11	
Balsam Fir	25	Pole	7	93
Black Spruce	10	Pole	9	
Northern White Cedar	25	Pole	9	
Tamarack	10	Pole	9	
Hemlock	5	Log/Pole	10	
Paper Birch	5	Pole	6	
Red Maple	10	Log/Pole	10	
White Pine	1	Log	15	
Yellow Birch	1	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	Sapling
Black Spruce	Low	>20 feet	Sapling
Tag Alder	Medium	>20 feet	Tall Shrub
Black Ash	Low	< 5 feet	Seeding

90 4136 - Aspen, Mixed Conifer Poletimber Well 50.8 46 81-110 N/A Harvested in 1974, south end understory heavy to white pine, the rest of stand has balsam fir of all sizes.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Log	8	
Bigtooth Aspen	10	Pole	8	
Quaking Aspen	50	Pole	7	46
Balsam Fir	10	Pole	7	
White Pine	10	Log/Pole/XLog	14	
Black Cherry	10	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Medium	5 - 10 feet	Sapling
Black Cherry	Low	5 - 10 feet	Sapling
Balsam Fir	High	Variable	Sapling

91 6129 - Mixed Coniferous Lowland Forest Poletimber Poor 11.6 93 1-50 N/A New stand, some standing dead, very wet.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	15	Pole	5	
Black Spruce	30	Pole	7	93
Northern White Cedar	20	Pole	5	
Tamarack	20	Pole	7	
Hemlock	5	Pole	9	
White Pine	10	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Black Spruce	Medium	5 - 10 feet	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub
Cattail spp.	Low	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
92	4134 - Aspen, Spruce/Fir	Poletimber Well	18.5	55	51-80	N/A	Graves Crossing Campground on the north side of the road. Mix of aspen, maple, and conifer, leave as is. Looks to be some younger pockets of aspen/maple mixed in.																																																													
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93	42200 - Natural White Pine	Sawtimber Well	7.2	105	111-140	N/A	Did not inventory, being harvested soon.																																																													
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95	6112 - Lowland Aspen	Poletimber Well	9.8	60	81-110	N/A	Pocket of aspen, very wet in the middle with cattail.																																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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96 790 - Other Bare/Sparsely Vegetated Nonstocked 7.1 0 No Powerline corridor and snowmobile trail, mostly wet on both sides.

97 6129 - Mixed Coniferous Lowland Forest Poletimber Well 1.6 93 111-140 N/A Swamp conifer stand with high water table, creek running through.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Pole	9		Balsam Fir	Medium	10 - 20 feet	Sapling
Balsam Fir	30	Pole	7		Black Spruce	Low	>20 feet	Sapling
Black Spruce	10	Pole	9		Black Ash	Medium	5 - 10 feet	Sapling
Northern White Cedar	35	Pole	8	93				
Tamarack	10	Log/Pole	10					
Hemlock	5	Log/Pole	10					
Yellow Birch	5	Pole	7					

98 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 26.7 97 81-110 N/A Swamp conifer with lowland deciduous mix. Some areas of blowdown, ash snags, creek running through the middle.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Log/Pole	10		Balsam Fir	Low	>20 feet	Sapling
Yellow Birch	4	Pole/Log	9		Black Ash	Low	< 5 feet	Sapling
Quaking Aspen	10	Pole	9		Black Spruce	Low	5 - 10 feet	Sapling
Balsam Poplar	5	Log/Pole	10					
Balsam Fir	20	Log/Pole	10					
Northern White Cedar	40	Pole	9	97				
Hemlock	5	Log/Pole	12					
Tamarack	5	Pole	9					
White Pine	1	Log	15					
Black Spruce	5	Log/Pole	10					

99 4110 - Sugar Maple Association Sawtimber Well 93.3 108 81-110 N/A Selection harvest done in 2017, creating regeneration gaps. This stand is hilly but has high quality timber on it, gaps only have rubus and elderberry right now.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	55	Log	14	108	Sugar Maple	Low	Variable	Sapling
Red Maple	4	Log/Pole	12		Beech	Medium	5 - 10 feet	Sapling
Yellow Birch	2	Log	14		Ironwood	Low	Variable	Sapling
Basswood	30	Log	14	108	Blackberry/Raspberry	Medium	5 - 10 feet	Tall Shrub
White Pine	1	Log/XLog	16		Elderberry	Low	5 - 10 feet	Tall Shrub
Beech	3	Log	14					
Hemlock	3	Log	16					
Ironwood	2	Pole	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
100	4111 - S.Maple, Hard Mast Association	Sawtimber Well	30.6	108	81-110	N/A	Northern hardwood sawtimber on steep hills with seeps flowing downward in a westerly direction, high quality. Average BA from 6 plots is 108.																																																														
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101	622 - Lowland Shrub	Nonstocked	1.9	0		No	Mostly tag alder with some spruce/fir.																																																														
102	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	21.9	93	81-110	N/A	Wet stand along the Jordan River, some areas of blowdown that naturally regenerated.																																																														
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104	500 - Water	Nonstocked	20.2			No	Jordan River.																																																														
105	6118 - Lowland Deciduous with Cedar	Poletimber Poor	15.5	50	1-50	N/A	Good amount of standing dead, most of it is ash. Very wet.																																																														
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106	310 - Herbaceous Openland	Nonstocked	1.8		Immature	No	Pipeline corridor, filling in with tag alder, cattails and balsam fir.																																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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107	4319 - Mixed Upland Forest	Poletimber Well	3.5	70	81-110	N/A	Small piece of high ground surrounded by low ground, aspen and fir mix.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	40	Log	11		Balsam Fir	Medium	Variable	Sapling
Black Spruce	5	Log/Pole	12		Black Ash	Low	5 - 10 feet	Sapling
Northern White Cedar	5	Pole	8					
Balsam Fir	40	Pole/Log	9	70				
Red Maple	5	Pole/Log	9					
White Pine	5	Log	14					

108	6120 - Lowland Cedar	Sawtimber Well	14.4	130	51-80	N/A	Good amount of blowdown, advanced deciduous regeneration in the gaps.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	50	Log	12	130	Black Spruce	Low	5 - 10 feet	Sapling
White Pine	5	Log/XLog	15		Balsam Fir	Low	5 - 10 feet	Sapling
Paper Birch	15	Pole	6					
Red Maple	10	Pole	6					
Balsam Fir	15	Pole	8					
Tamarack	5	Log/Pole	10					

110	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	26.9	110	1-50	N/A	Open stand, blowdown and standing dead throughout. Very wet.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log/XLog	15		Black Ash	Medium	Variable	Sapling
Northern White Cedar	30	Log/Pole	11	110	Tag Alder	Low	5 - 10 feet	Tall Shrub
Paper Birch	10	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	15	Pole	8		Black Spruce	Low	Variable	Sapling
Black Spruce	5	Pole	7					
Balsam Poplar	13	Log	12					
Red Maple	15	Pole	8					
Basswood	2	Log	12					

111	622 - Lowland Shrub	Nonstocked	12.0			No	Lowland shrub with some scattered pine.
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113	6112 - Lowland Aspen	Poletimber Medium	17.5	45	1-50	N/A	Scattered aspen clones of all sizes, wet with lowland shrubs.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	87	Pole	7	45	Quaking Aspen	Medium	Variable	Sapling
Scotch Pine	10	Pole	5		Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine	3	Pole/Log	9		Willow spp.	Medium	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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114	6112 - Lowland Aspen	Poletimber Well	29.4	60	81-110	N/A	Mostly low ground but has some high ground north of stand 16, some areas of blowdown.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	70	Pole/Log	9	60	Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	10	Pole	8		Black Ash	Low	Variable	Sapling
Bigtooth Aspen	5	Log/Pole	10		Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine	3	Log	15					
Tamarack	3	Log/Pole	10					
Red Maple	5	Pole/Log	9					
Northern White Cedar	4	Pole	7					

115	4130 - Aspen	Poletimber Well	4.2	52	81-110	N/A	Small, skinny stand of aspen. Beaver activity at the north end.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	75	Pole/Log	9	52	Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	14	Pole/Log	9		Red Maple	Medium	>20 feet	Sapling
Balsam Fir	2	Pole	9					
Bigtooth Aspen	5	Log/Pole	11					
White Pine	1	Log	14					
Black Spruce	3	Pole/Log	9					

116	6112 - Lowland Aspen	Poletimber Well	8.8	52	81-110	N/A	Lowland aspen, should be able to harvest.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Log	9		Balsam Fir	Medium	5 - 10 feet	Sapling
Quaking Aspen	78	Pole/Log	9	52	Black Ash	Low	5 - 10 feet	Sapling
Balsam Fir	5	Pole	8					
White Pine	2	Log	13					