



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42070

Entry Year 2024

Acreage: 3,354

County Chippewa

Management Area: Tahquamenon Basin Wetlands

Stand Examiner: Jacob Kriehn

Legal Description:

T46N R7W. Sec: 1-4, 10-12 & 15

Identified Planning Goals:

This compartment lies within the Tahquamenon River Basin Wetlands Management Area. Goals include maintaining forest productivity, forest health, species diversification and age class diversification through proper silviculture, treatments, and natural processes.

Soil and topography:

Gogomain very fine sandy loam and Markey & Carbondale are the two main soil series within this compartment. Other soil series that are present include Rousseau, dark sub-soil-Alcona complex, Markey-Kinross-AuGres complex, Histosols and Aquents. The topography ranges from wet lowlands to gentle ridges and knobs.

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

The compartment is continuous State ownership, however it is surrounded entirely by private land. The private land access on the west side of the compartment is gated. There is access on the east side of the compartment through the gate. The key to the gate is located at the Newberry Field Office. U.S. Forest Service land borders the eastern part of this compartment.

Unique Natural Features:

MNFI lists Little Brown Bat as bordering the southern edge of this compartment.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

The East Branch of the Tahquamenon River is the compartments west boundary.

Watershed and Fisheries Considerations:

East Branch Tahquamenon River, Riley Creek, and Big Beaver Creek are all designated trout streams and are all associated with this compartment. There are no prescribed treatments near the East Branch Tahquamenon River. Any proposed treatments near these streams should have a 100-foot riparian management zone, plus an additional 5 feet per 1% increase in slope. Any clear-cut treatments in stands where aspen is a significant component or where aspen regeneration is likely, a buffer of 300 feet should be adhered to.

Wildlife Habitat Considerations:

Compartment 70 lies in western Chippewa county in the Seney Sand Lake Plain ecological sub-subsection and the Tahquamenon River Basin Wetlands Management Area where white-tailed deer, black bear, snowshoe hare and gray jay are featured species. There is wildlife purchased lands within the compartment. The compartment is largely spruce and lowland conifer in the northern regions and aspen, northern hardwoods and lowland types in the southern half. The compartment is in the Hulbert deer yard which supports high numbers of deer during stressful winter periods. The east branch of the Tahquamenon river, Riley creek, and numerous drainages flow through the compartment and are important travel corridors for numerous wildlife species.

Species diversity of stands in the southern portion of the compartment is high and maintaining diversity in harvested aspen and hardwood stands will be important to meeting wildlife objectives. Conifer components of aspen stands are commonly retained during harvest to increase stand diversity, provide nesting, denning and forage sites and cover. Large diameter aspen will occasionally be retained to provide food sources and later snags and den trees for wildlife. Hemlock will not be harvested in the compartment to benefit white-tailed deer and moose during winter months. In addition to featured species, notable wildlife species expected to use the compartment include pileated woodpecker, gray wolf, coyote, bobcat, and moose.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for metallic minerals in this area. The nearest known active sand/gravel pit is just over one mile west. There may be some potential for sand within the compartment, but the compartment is dominated by wetlands, which would inhibit surface mining. No current State mineral leasing activity exists in the area. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Access is limited due to the wet/clay soils throughout the compartment. Access has been granted to the State through a gate on the west side of the compartment. Vehicle/ORV access is possible but is limited to dry or snow covered conditions.

Survey Needs:

There is very little survey control around this compartment. Our records only show two corners on the North side of Section 2. Almost all of the treatments prescribed are on the border of the compartment, so this compartment has significant survey needs.

Recreational Facilities and Opportunities:

Hunting and fishing are the main recreational opportunities, however they are limited by private access.

Fire Protection:

Large fires in this compartment are not likely because of the hardwood and mixed conifer/hardwood lowland types. Travel times are long for this compartment and may increase fire size somewhat. Access with heavy wheeled suppression vehicles is limited and will challenge suppression tactics.

Additional Compartment Information:

None at this time.

The following reports from the Inventory are attached:

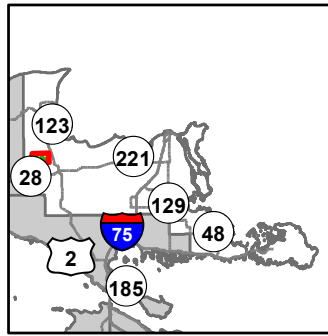
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

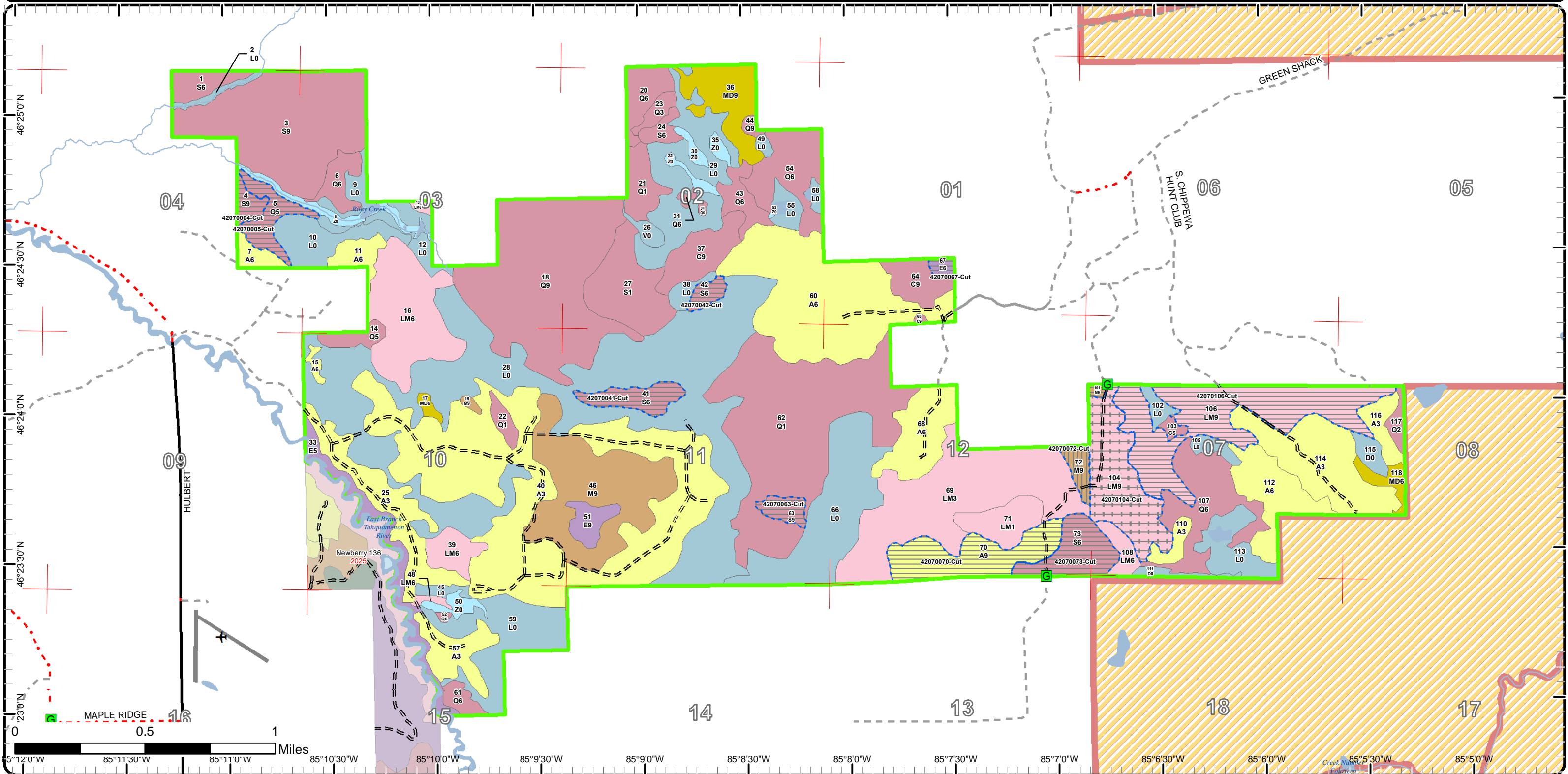
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 70
 T46N, R07W, Sec. 1-4, 10-12, 15
 T46N, R06W, Sec. 7, 8
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Tahquamenon Basin
 Wetlands
 YOE: 2024
 Acres: 3354.4 GIS Calculated
 Examiner: Jacob Kriehn
 Map Revised: 1/6/2023
 Map Phase: Post-Review

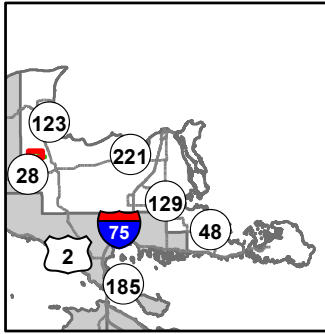


- Miris Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- Airport
- Gate
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Airports
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub

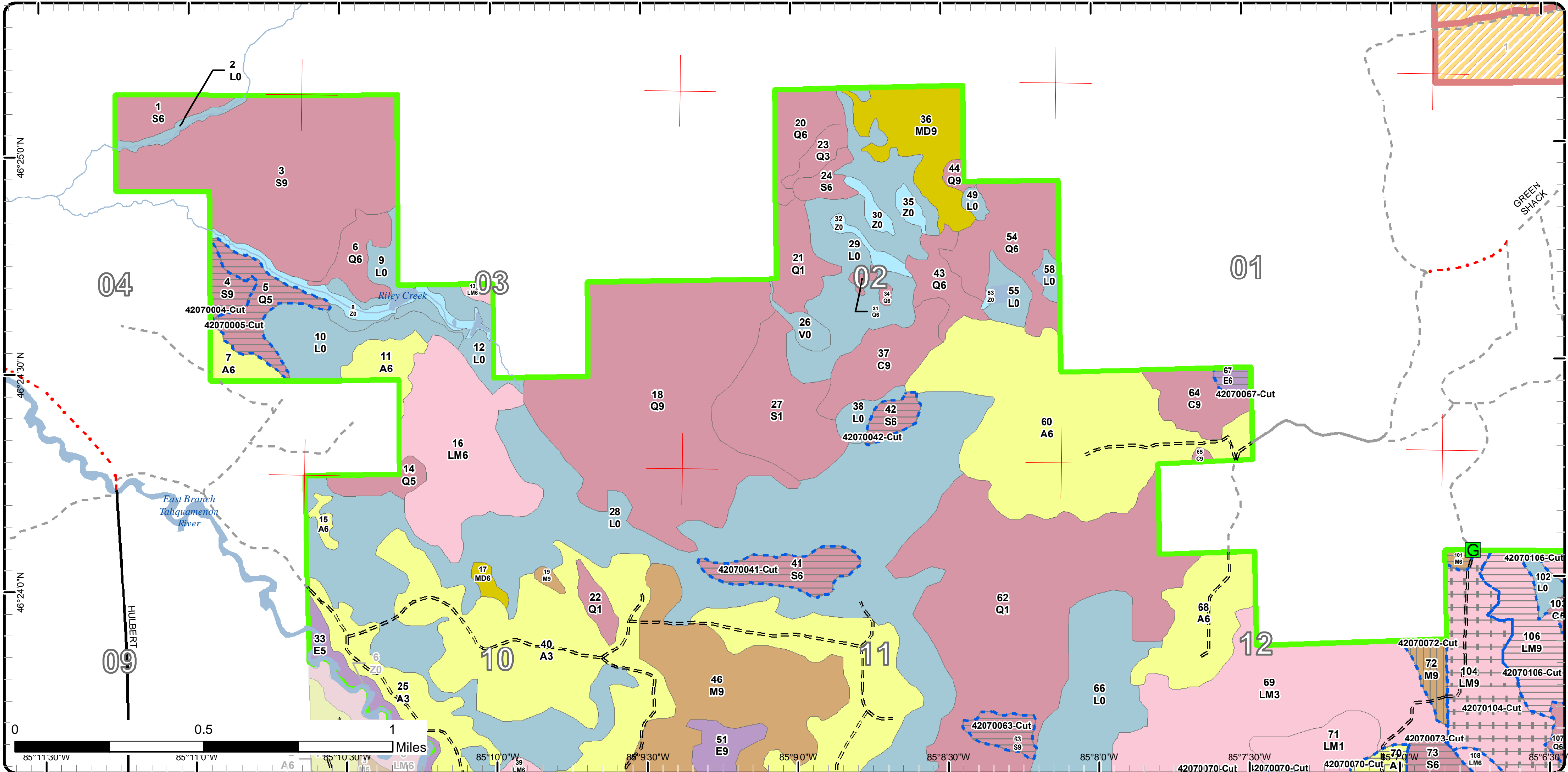


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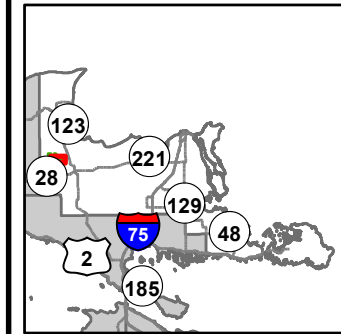


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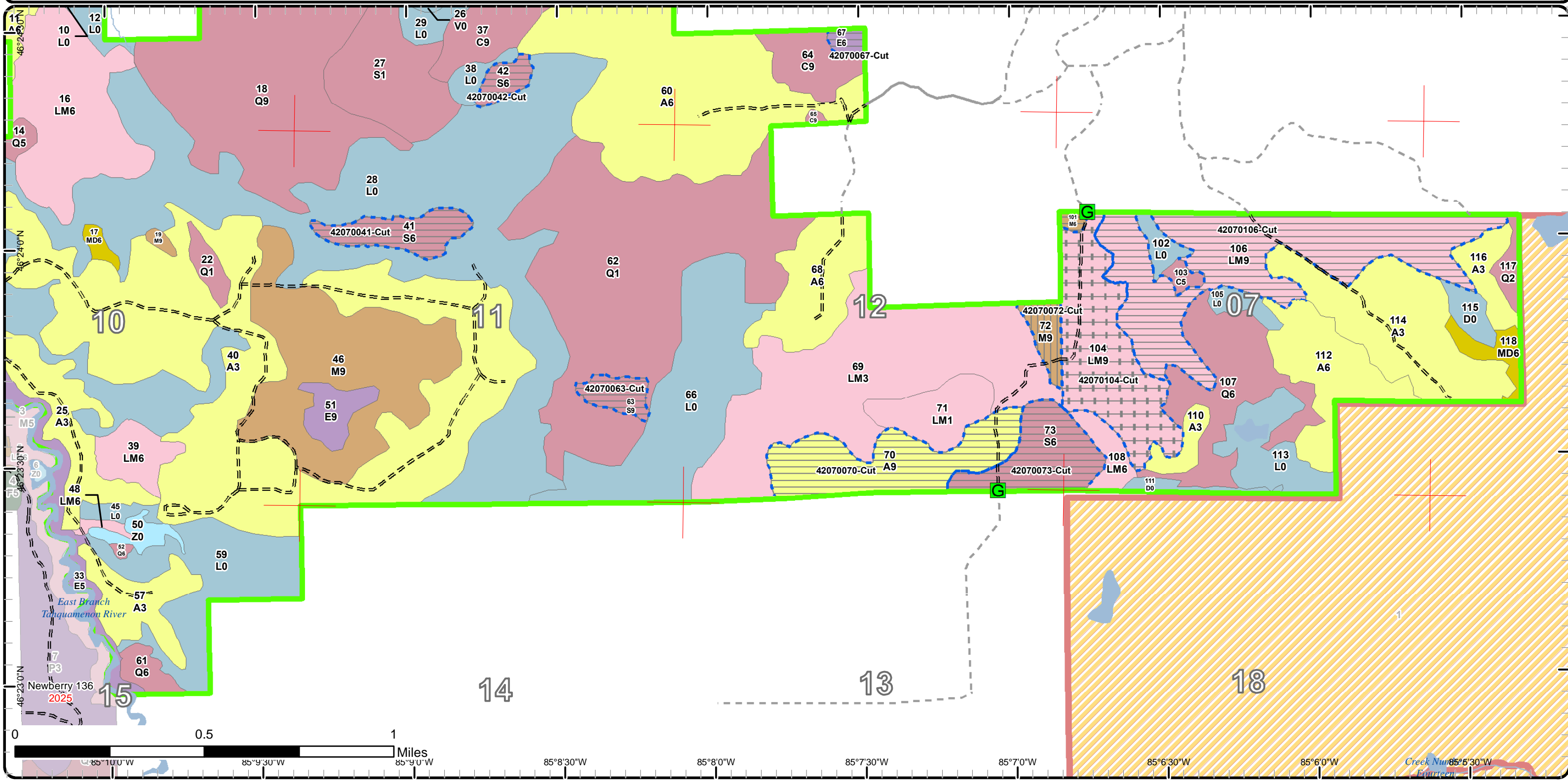


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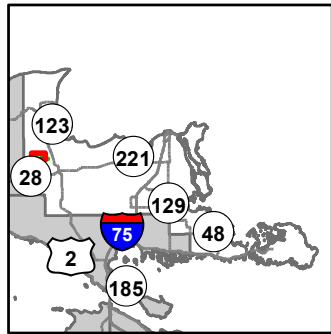


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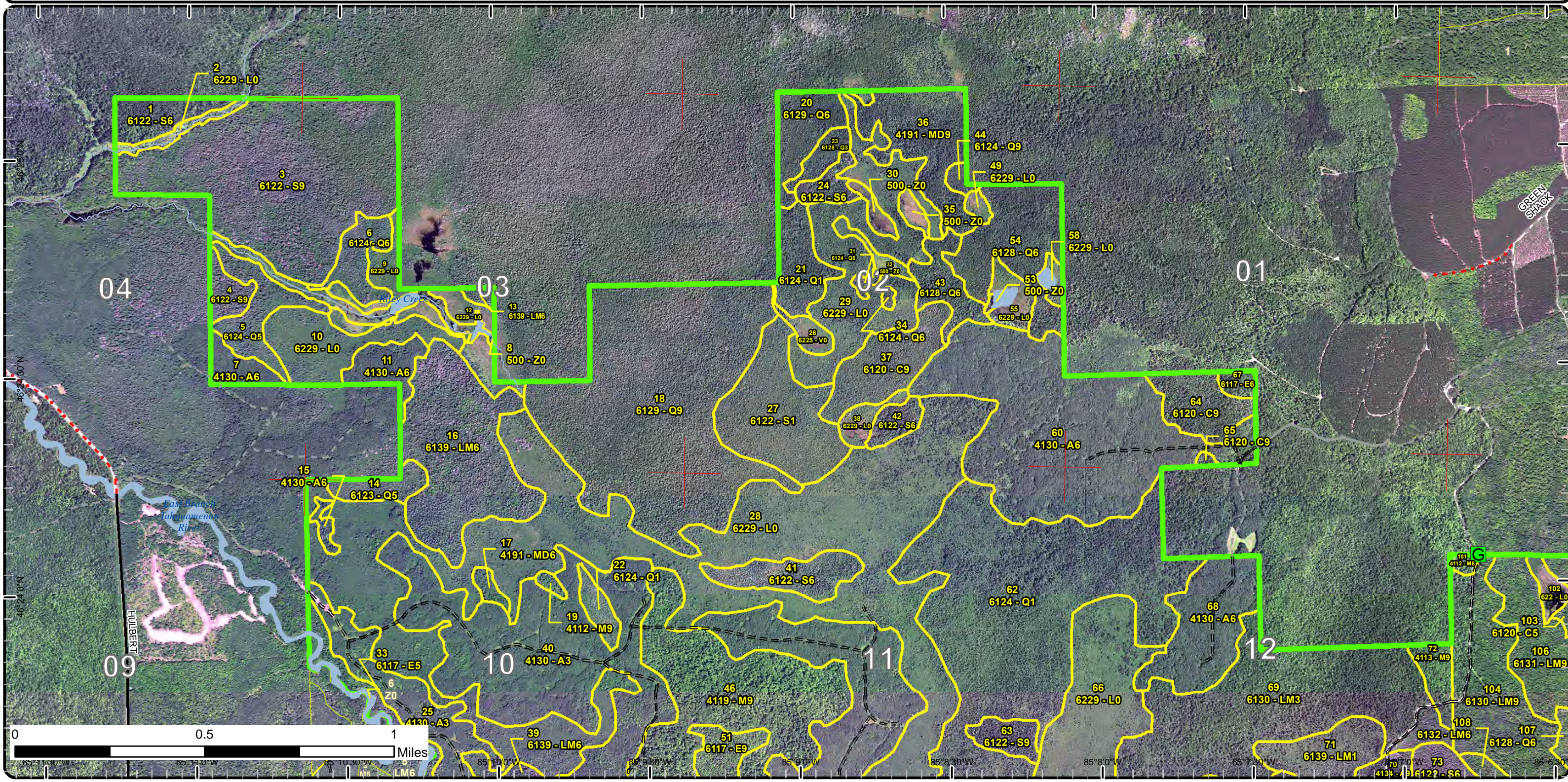
Stand Boundary Map

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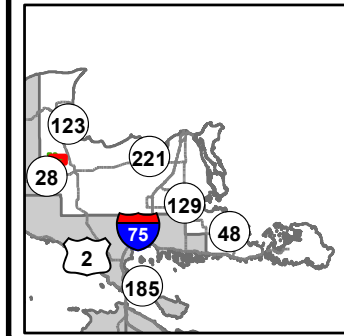
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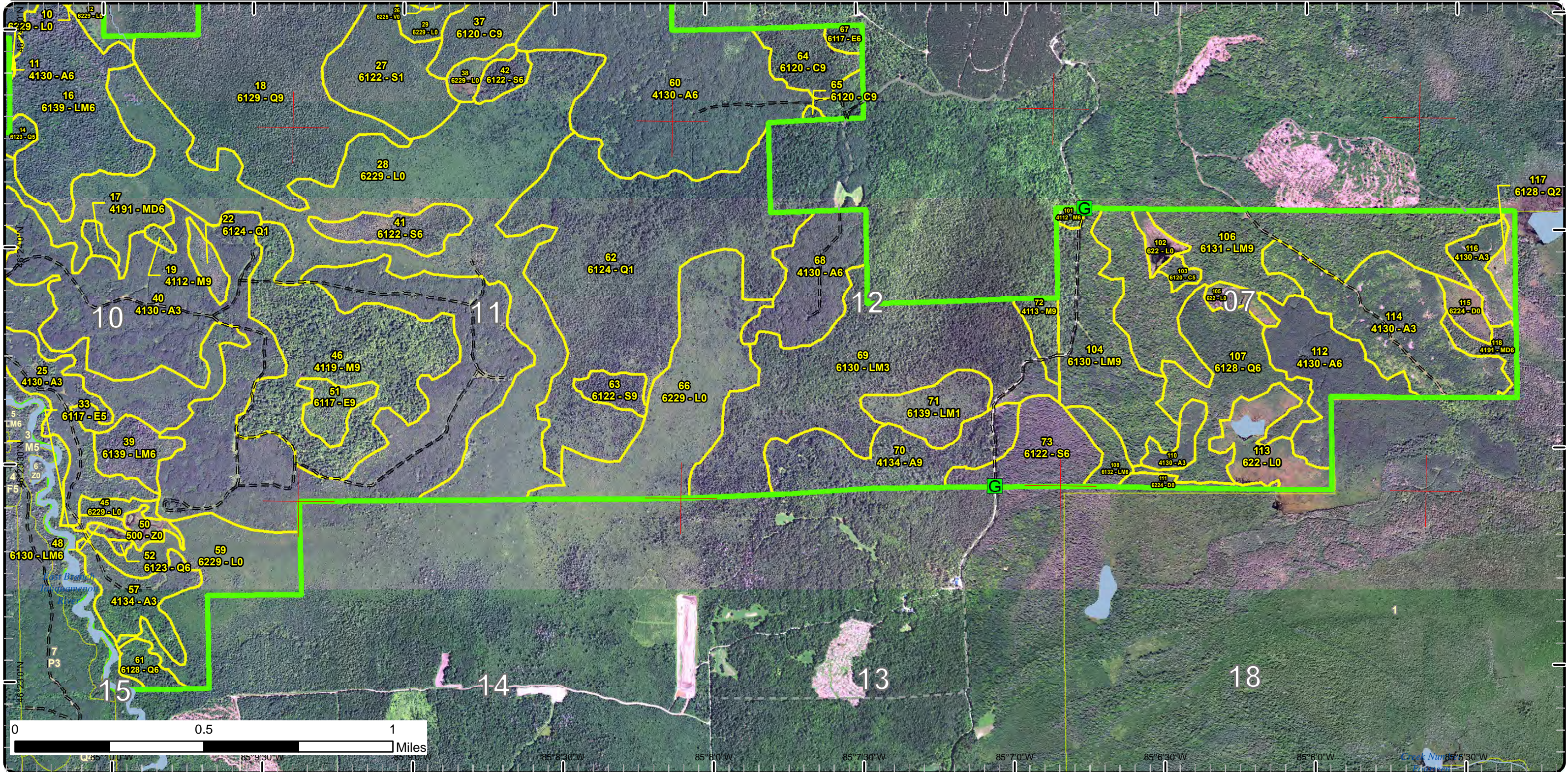


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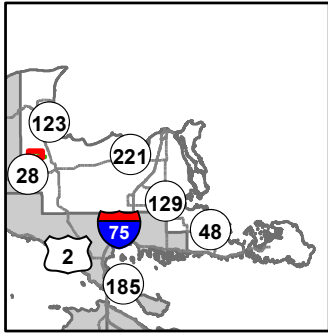


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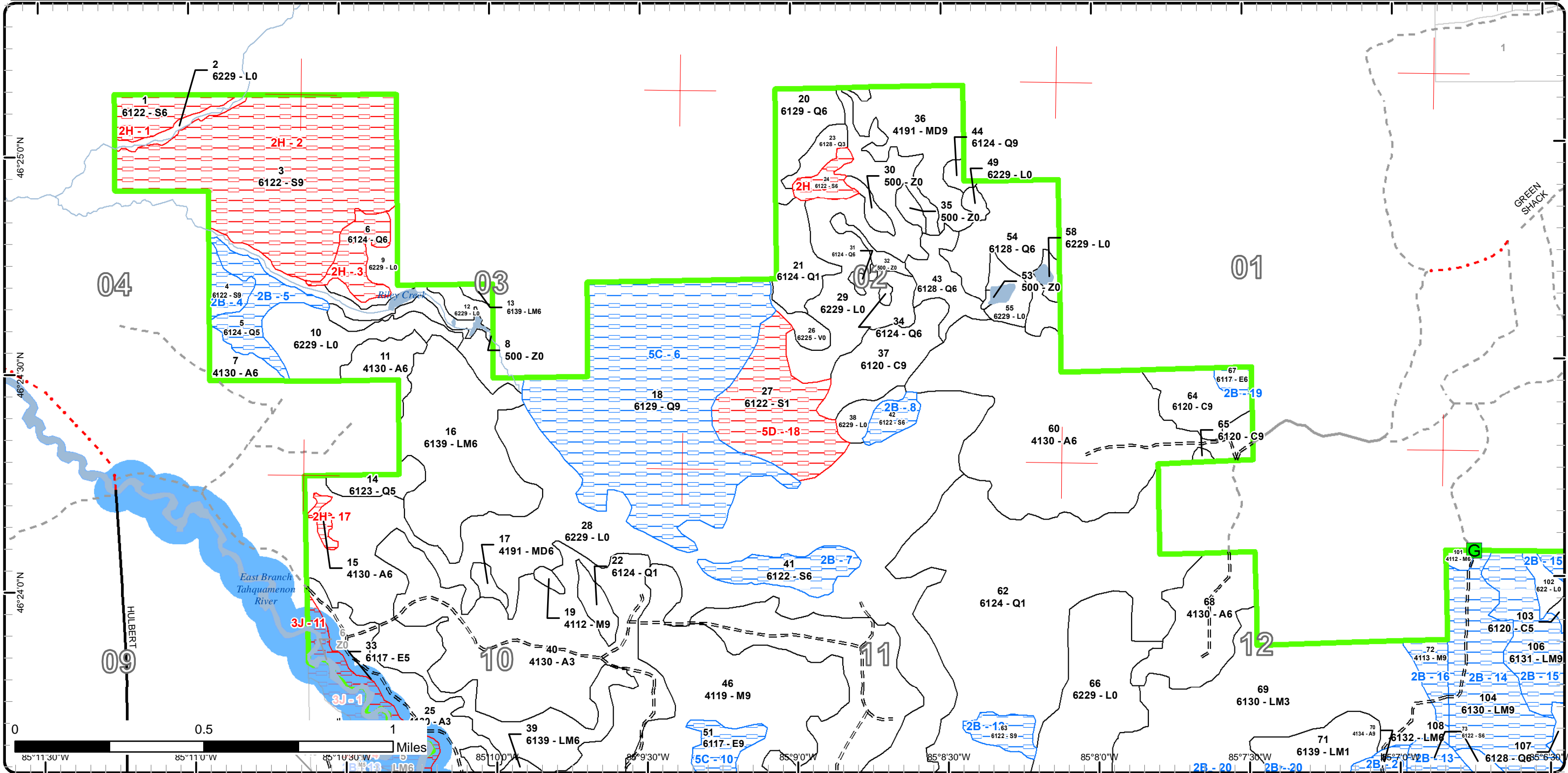


Special Conservation Areas

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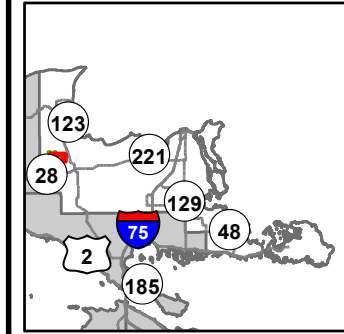


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- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- Stand Boundaries
- Wild & Scenic Streams (USFS Lands)
- Wild & Scenic Rivers (USFS Lands)
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer

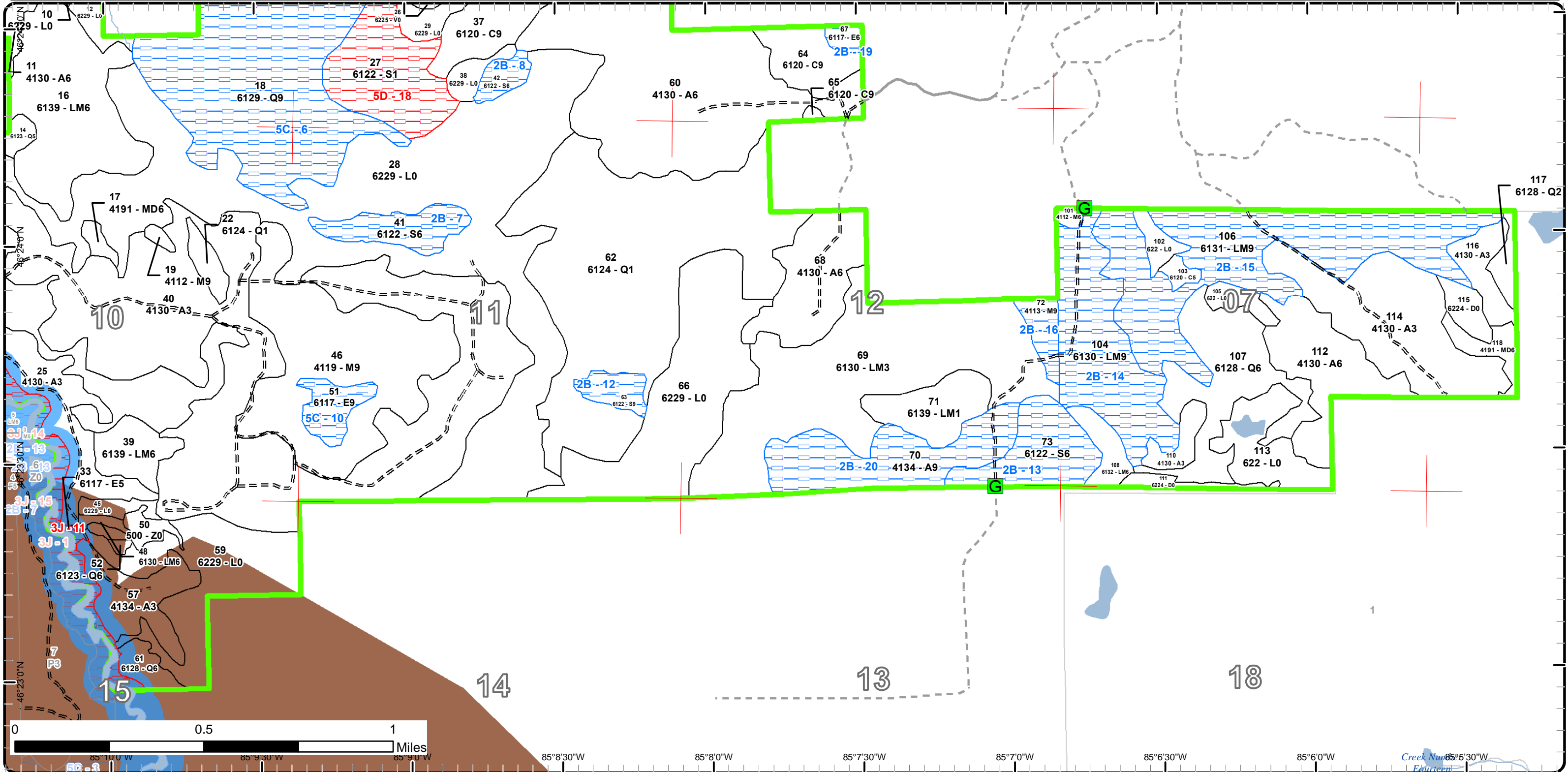


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- Wild & Scenic Rivers (USFS Lands)
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	107	540	99	14	0	3	0	0	0	0	0	0	0	0	0	56	819
Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Cedar	0	0	0	0	0	0	0	0	4	31	0	22	0	0	0	0	0	0	57
Lowland Conifers	0	0	7	0	0	0	47	0	395	3	0	192	0	0	0	0	0	0	644
Lowland Deciduous	0	0	0	0	0	0	0	34	0	4	0	14	0	0	0	0	0	0	52
Lowland Mixed Forest	0	0	0	0	0	169	31	0	134	69	0	0	0	0	0	0	0	82	484
Lowland Shrub	756	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	756
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	54	0	89	162	0	0	0	0	0	0	305
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0	0	0	0	55
Northern Hardwood	0	0	0	0	0	0	0	0	0	12	116	0	0	0	0	0	0	0	128
Treed Bog	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Water	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Total	813	0	114	540	99	183	78	37	642	119	205	390	0	0	0	0	0	138	3357



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 70

Total Compartment Acres: 3,354

Commercial Harvest - 2
 Harvests with Site Condition - 364
 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	56	0	0	0	0	0	0	0	0	56
Lowland Conifers	22	0	0	0	0	0	0	0	0	22
Lowland Deciduous	4	0	0	0	0	0	0	0	0	4
Lowland Mixed Forest	123	0	0	0	0	69	0	0	0	192
Lowland Spruce/Fir	81	0	0	0	0	0	0	0	0	81
Northern Hardwood	2	0	0	0	10	0	0	0	0	12
Total	287	0	0	0	10	69	0	0	0	366

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	366	0	0	0	0	0	0	0	0	366
Next Step	0	0	0	0	0	0	366	0	0	366
Total	366	0	0	0	0	0	366	0	0	732



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
											Cut

Approved Treatments:

4	42070004-Cut	8.5	6122 - Black Spruce	Sawtimber Well	99	Unspecified	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut. Leave hemlock if it exists. No other retention needed due to low acreage. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce, tamarack <u>Regen:</u> <u>Other</u> Will need a survey. <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2023</p>											
5	42070005-Cut	21.8	6124 - Lowland Spruce-Fir	Poletimber Medium	79	Unspecified	Harvest	Clearcut with Retention	6124 - Lowland Spruce-Fir	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Final acreage may be reduced due to wet areas. Retention should be left as a buffer along Riley Creek. Leave hemlock if it exists. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce, fir, tamarack, cedar <u>Regen:</u> <u>Other</u> Survey needs. <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2023</p>											
41	42070041-Cut	20.5	6122 - Black Spruce	Poletimber Well	99	Unspecified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut with 3-5% retention. <u>Specs:</u> Will need to be a winter harvest. Leave Hemlock. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2023</p>											



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	42 42070042-Cut	7.7	6122 - Black Spruce	Poletimber Well	99	Unspecified	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut. No retention due to small acreage. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce <u>Regen:</u> <u>Other</u> Winter Work <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2023</p>											
	63 42070063-Cut	9.8	6122 - Black Spruce	Sawtimber Well	91	Unspecified	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clear cut. No retention due to small acreage. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Spruce <u>Regen:</u> <u>Other</u> Winter Work <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2023</p>											
	67 42070067-Cut	4.1	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	81	Unspecified	Harvest	Clearcut	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	No
<p><u>Prescription</u> Clearcut. No retention due to small acreage. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, aspen, cedar, tamarack <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2023</p>											
	70 42070070-Cut	55.7	4134 - Aspen, Spruce/Fir	Sawtimber Well	73	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Retention 3-10% of stand acreage. Winter harvest. Leave 10 drumming logs using the drumming specs. Leave <u>Specs:</u> Hemlock. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2023</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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72	42070072-Cut	9.9	4113 - R.Maple, Conifer	Sawtimber Well	86	81-110	Harvest	Shelterwood with Retention	4113 - R.Maple, Conifer	Two-Aged	No
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Prescription Shelterwood with reserves. Target BA is 30-50. Residual BA may be lower is some areas depending on top die back. Mark 1 large white pine per 2 acres to be left as bear escape trees. Leave hemlock if it exists.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Maple, white pine, birch
Regen:

Other
Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2023

73	42070073-Cut	34.4	6122 - Black Spruce	Poletimber Well	93	Unspecified	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Clearcut with retention. Final acreage may be reduced due to wet areas. Areas that are too wet will be retention. Try to focus the retention around large white pine if possible. The large white pine will be for bear escape trees. Leave Hemlock.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Spruce, tamarack
Regen:

Other
Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2023

101	42070101-Cut	2.1	4112 - Maple, Beech, Cherry Association	Poletimber Well	87	81-110	Harvest	Clearcut	4110 - Sugar Maple Association	Even-Aged	No
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Prescription Clearcut, no retention to maximize browse for hare and deer. Winter harvest with adjacent stand.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Sugar maple, red maple
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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
104 42070104-Cut	69.0	6130 - Fir, Aspen, Maple	Sawtimber Well	82	81-110	Harvest	Overstory Removal	6117 - Lowland Deciduous, Mixed Coniferous	Two-Aged	No
<p><u>Prescription</u> Overstory removal to promote the advanced regen. Leave hemlock and yellow birch. Leave one large white pine per 2 acres for bear escape trees. Leave trees are retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any mix of the species currently in the stand.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
106 42070106-Cut	122.7	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	79	111-140	Harvest	Clearcut with Retention	6139 - Mixed Lowland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Retention to be left as three approximately four acre pockets for moose loafing areas. One pocket in the eastern, central, and western portions of the stand. Try to include large hemlock in the retention pockets. Final acreage may be reduced due wet areas. Winter cut.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of current species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

Total Treatment Acreage Proposed: **366.2**

Report 4 – Site Conditions

Newberry Mgt. Unit
Jacob Kriehn : Examiner

Compartment: 70
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions				
		With Condition				2B	5C	2H	3J	5D
819	760	56		3	Aspen	56		3		
6	6	0		0	Bog					
57	57	0		0	Cedar					
643	415	214		15	Lowland Conifers	22	192	15		
52	0	18		34	Lowland Deciduous	4	13		34	
483	292	192		0	Lowland Mixed Forest	192				
756	756	0		0	Lowland Shrub					
305	0	81		224	Lowland Spruce/Fir	81		170		53
55	55	0		0	Mixed Upland Deciduous					
128	118	10		0	Northern Hardwood	10				
14	14	0		0	Treed Bog					
37	37	0		0	Water					
3,354	2,509	569		277	Total Forested Acres	364	205	189	34	53
	75%	17%		8%	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	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	16	2E: Road needed	2I: Survey needed	2B: Unknown if access through adjacent landowner(s) is possible	2D: Portable Bridge Needed (Dept. bridge will be adequate)
Comments:							
2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	147	2I: Survey needed	2E: Road needed	2B: Unknown if access through adjacent landowner(s) is possible	2D: Portable Bridge Needed (Dept. bridge will be adequate)
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
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3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	2I: Survey needed	2E: Road needed	2B: Unknown if access through adjacent landowner(s) is possible	2D: Portable Bridge Needed (Dept. bridge will be adequate)
Comments:							
4	Available	2B: Unknown if access through adjacent landowner(s) is possible	9	2I: Survey needed	2E: Road needed	Unspecified	Unspecified
Comments:							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	22	2E: Road needed	2I: Survey needed	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	192	2E: Road needed	2I: Survey needed	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified
Comments:							
7	Available	2B: Unknown if access through adjacent landowner(s) is possible	21	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
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8	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	2E: Road needed	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	2B: Unknown if access through adjacent landowner(s) is possible	10	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	2B: Unknown if access through adjacent landowner(s) is possible	34	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Jacob Kriehn : Examiner

Compartment: 70
Year of Entry: 2024

14	Available	2B: Unknown if access through adjacent landowner(s) is possible	69	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments: Access is being worked on. Survey will be needed.							
15	Available	2B: Unknown if access through adjacent landowner(s) is possible	123	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	2B: Unknown if access through adjacent landowner(s) is possible	10	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low volume. Surrounded by lowlands.							
18	Unavailable	5D: Unproductive Forest Land	54	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	2B: Unknown if access through adjacent landowner(s) is possible	4	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Jacob Kriehn : Examiner

Compartment: 70
Year of Entry: 2024

20	Available	2B: Unknown if access through adjacent landowner(s) is possible	56	2!: Survey needed	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
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
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.
SCA	Wild and Scenic Rivers	Wild and Scenic Rivers are established under authority of the National Wild and Scenic Rivers Act, Public Law 90-542, as amended. Each Wild and Scenic River has a river specific Federal management plan, and State agencies may enter into written cooperative agreements with the administering Federal agency for the management of Wild and Scenic Rivers that are upon State-owned lands. There are 18 miles of Federal designated Wild and Scenic Rivers that are located within the State Forest.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
1	6122 - Black Spruce	Poletimber Well	15.6	100	51-80	N/A	Need to cross two streams to get to the stand; access is very difficult. More cedar and larger spruce/tamarack in the northwest corner.																																																													
2	6229 - Mixed lowland shrub	Nonstocked	5.5		Unspecified	No	Big Beaver Creek corridor. Tag alder and grass throughout the stand.																																																													
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3	6122 - Black Spruce	Sawtimber Well	146.8	100	51-80	N/A	Small pockets of pure Cedar scattered throughout the stand.																																																													
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4	6122 - Black Spruce	Sawtimber Well	8.5	99	Unspecified	N/A	Very nice spruce and tamarack stand. Tamarack is larger diameter than spruce.																																																													
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5	6124 - Lowland Spruce-Fir	Poletimber Medium	21.8	79	Unspecified	N/A	Mixed wetland site. Lots of tag alder throughout (over 3'tall).																																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																											
7	4130 - Aspen	Poletimber Well	9.5	36	Unspecified	N/A																												
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8	500 - Water	Nonstocked	15.8		Unspecified	No	Riley Creek corridor.																											
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9	6229 - Mixed lowland shrub	Nonstocked	10.2		Unspecified	No	Data from previous inventory.																											
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Tamarack	Low		Pole																															
10	6229 - Mixed lowland shrub	Nonstocked	32.4		Unspecified	No	Very tall tag alder with scattered conifers throughout.																											
11	4130 - Aspen	Poletimber Well	14.0	41	Unspecified	N/A	Old road runs through the stand; wet but in fair condition.																											
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12	6229 - Mixed lowland shrub	Nonstocked	19.4		Unspecified	No	Data from previous inventory.																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13 6139 - Mixed Lowland Forest Poletimber Well 2.3 51 Unspecified N/A No Access.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Sapling/Pole	5		Paper Birch	Medium	Variable	Sapling
Balsam Fir	20	Sapling/Pole	5	51	Balsam Fir	Medium	Variable	Sapling
Black Spruce	15	Pole/Log	8		Tag Alder	Medium	< 5 feet	Tall Shrub
Northern White Cedar	5	Pole/Log	9		Red Maple	Medium	Variable	Sapling
Tamarack	15	Pole/Log	9					
Red Maple	20	Pole	8	51				
Paper Birch	20	Sapling/Pole	5					

14 6123 - Lowland Fir Poletimber Medium 10.3 53 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
Balsam Fir	60	Pole/Sapling	5	53	Tamarack	Low	Variable	Sapling
Black Spruce	16	Sapling/Pole	4		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Tamarack	20	Pole/Sapling	5					
Paper Birch	2	Pole/Sapling	5					

15 4130 - Aspen Poletimber Well 3.2 63 51-80 N/A Small aspen pocket within alder brush.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	3	Pole	6		Balsam Poplar	Low	Variable	Sapling
White Spruce	7	Pole	6		Balsam Fir	Low	Variable	Sapling
Quaking Aspen	90	Pole/Log	8	63	Tag Alder	Low	< 5 feet	Tall Shrub

16 6139 - Mixed Lowland Forest Poletimber Well 81.7 49 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Log/Pole	12		Tag Alder	Medium	Variable	Tall Shrub
Red Maple	18	Pole/Sap/Log	8		Paper Birch	Medium	Variable	Sapling
Bigtooth Aspen	5	Pole/Sapling	5		Balsam Fir	Medium	Variable	Sapling
Paper Birch	18	Pole/Sapling	7		Red Maple	Medium	Variable	Sapling
Balsam Fir	20	Pole/Sapling	5	49				
White Spruce	15	Pole/Log	8					
Northern White Cedar	5	Log/Pole	10					
Tamarack	14	Log/Pole	9					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 3.5 71 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	35	Pole/Sap/Log	8	71	Balsam Fir	Medium	Variable	Sapling
Balsam Fir	30	Sapling/Pole	4		Tag Alder	Low	Variable	Tall Shrub
Quaking Aspen	25	Sapling/Pole	4		Red Maple	Low	Variable	Sapling
White Spruce	10	Sapling/Pole	3					

18 6129 - Mixed Coniferous Lowland Forest Sawtimber Well 191.7 109 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	8	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Black Spruce	15	Pole/Sapling	6		Balsam Fir	Low	Variable	Sapling
Northern White Cedar	45	Log/Pole	12	109	Tag Alder	Low	Variable	Tall Shrub
Balsam Fir	15	Pole/Sapling	5		Black Spruce	Low	Variable	Sapling
Tamarack	10	Log/Pole	10					
Red Maple	7	Pole/Sapling	5					

19 4112 - Maple, Beech, Cherry Association Sawtimber Well 2.0 91 51-80 N/A

Nice advanced maple regeneration throughout the stand. Overstory is falling appart, lots of cull trees.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Sapling/Pole	4		Balsam Fir	Low	Variable	Sapling
Quaking Aspen	5	Sapling/Pole	4		Hazelnut (American)	Low	Variable	Tall Shrub
Red Maple	85	Log/Pole/XLog	14	91	Red Maple	High	Variable	Sapling

20 6129 - Mixed Coniferous Lowland Forest Poletimber Well 20.3 76 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Sapling/Pole	4		Balsam Fir	Low	Variable	Sapling
Northern White Cedar	30	Pole/Sapling	6	76	Tag Alder	Low	Variable	Tall Shrub
Tamarack	20	Sapling/Pole	4					
Black Spruce	20	Pole/Sapling	5					
Paper Birch	10	Sapling/Pole	4					

21 6124 - Lowland Spruce-Fir Sapling Poor 19.8 56 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Sapling	2		Tag Alder	High	Variable	Tall Shrub
Black Spruce	35	Sapling	2	56				
Balsam Fir	25	Sapling	2					
Red Maple	10	Sapling	2					
Tamarack	25	Sapling	2					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
22	6124 - Lowland Spruce-Fir	Sapling Poor	7.3	77	Unspecified	N/A																																											
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23	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	7.3	56	Unspecified	N/A	This is a very mixed bag stand. Looks like it gets very wet at times.																																										
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24	6122 - Black Spruce	Poletimber Well	7.9	94	Unspecified	N/A	Stand would be very difficult to access with equipment. It looks like this stand gets very wet at times.																																										
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25	4130 - Aspen	Sapling Well	54.7	16	Unspecified	N/A	Wet/clay soils. Road running through the stand is in good condition. Stand was part of North Hulbert Aspen: Sale # 42-040-04-01.																																										
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26	6225 - Bog	Nonstocked	5.8		Unspecified	No	Sign of old beaver activity. Can hold water seasonally.																																										
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27	6122 - Black Spruce	Sapling Poor	53.5	77	Unspecified	N/A	Low density trees; lots of tall tag alder. Trees are stunted.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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28	6229 - Mixed lowland shrub	Nonstocked	380.2		Unspecified	No	Dominated by tag alder. Scattered individual trees and pockets of lowland conifers throughout the stand.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Northern White Cedar	Low		Sapling
								Black Spruce	Medium		Sapling
								Tamarack	Medium		Sapling
Red Maple	Low		Sapling								

29	6229 - Mixed lowland shrub	Nonstocked	76.3		Unspecified	No					
								Sub-Canopy Species	Density	Avg. Height	Size
								Tamarack	Low		Sapling
								Red Osier Dogwood	Medium		Tall Shrub
								Balsam Fir	Low		Sapling
Alder	High		Tall Shrub								
Black Spruce	Low		Sapling								

30	500 - Water	Nonstocked	4.2		Unspecified	No	Lots of beaver activity.

31	6124 - Lowland Spruce-Fir	Poletimber Well	1.7	73	Unspecified	N/A	Small island of lowland conifers.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	10	Pole/Sapling	5	
								Black Spruce	25	Pole/Sapling	6	
								Northern White Cedar	5	Pole/Sapling	7	
								Balsam Fir	35	Pole/Sapling	6	73
								Tamarack	15	Pole	8	
White Pine	10	Pole	8									
Sub-Canopy Species	Density	Avg. Height	Size									
Red Maple	Low	Variable	Sapling									
Tag Alder	Medium	Variable	Tall Shrub									
Black Spruce	Low	Variable	Sapling									

32	500 - Water	Nonstocked	4.6		Unspecified	No	Lots of beaver activity.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Tamarack	Trace		Sapling
								Alder	High		Tall Shrub
Black Spruce	Trace		Sapling								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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33 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 34.3 65 Unspecified N/A River corridor; lots of beaver activity influencing timber. Variable stand. Mixed bag of lowland species. Lots of open, wet areas.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Sapling	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Paper Birch	20	Pole/Log	9		Red Osier Dogwood	Low	< 5 feet	Tall Shrub
Tamarack	10	Pole/Sap/Log	8		Balsam Fir	Low	Variable	Sapling
Quaking Aspen	10	Pole/Sapling	5					
American Elm	20	Pole	8	65				
Balsam Fir	15	Pole/Sapling	6					
Black Spruce	15	Pole/Log	10					

34 6124 - Lowland Spruce-Fir Poletimber Well 1.1 77 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole/Log	9		Red Maple	Low	Variable	Sapling
Tamarack	30	Pole/Sapling	6		Balsam Fir	Low	Variable	Sapling
Black Spruce	35	Pole/Sapling	8	77	Tag Alder	Low	Variable	Tall Shrub
Balsam Fir	25	Pole/Sapling	6					
Northern White Cedar	5	Log/Pole	10					

35 500 - Water Nonstocked 3.5 Unspecified No Lots of beaver activity.

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Trace		Sapling
Black Spruce	Trace		Sapling
Alder	Medium		Tall Shrub

36 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 41.8 78 81-110 N/A Aspen is starting to degrade; conifers will take the stand over. Big Beaver Creek to the west. No survey control. Very difficult to access.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	30	Log/Pole	10		Balsam Fir	Low	Variable	Sapling
Balsam Fir	15	Pole	7		Red Maple	Low	Variable	Sapling
Black Spruce	15	Pole	7					
Red Maple	5	Pole/Sap/Log	8					
Paper Birch	35	Log/Pole	10	78				

37 6120 - Lowland Cedar Sawtimber Well 30.6 80 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	8		Balsam Fir	Low	Variable	Sapling
Tamarack	10	Log/Pole	10		Tag Alder	Low	< 5 feet	Tall Shrub
Northern White Cedar	60	Log/Pole	11	80	Black Spruce	Low	Variable	Sapling
Balsam Fir	15	Pole	8					
Paper Birch	5	Pole/Sapling	6					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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38 6229 - Mixed lowland shrub Nonstocked 6.9 Unspecified No Lots of beaver activity.

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low		Sapling
Tamarack	Low		Sapling
Alder	Medium		Tall Shrub

39 6139 - Mixed Lowland Forest Poletimber Well 17.6 49 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	15	Pole/Log	9	
Northern White Cedar	5	Pole/Log	8	
Red Maple	18	Log/Pole	10	49
Paper Birch	18	Pole/Log	8	
Bigtooth Aspen	11	Pole/Sapling	5	
Balsam Fir	18	Pole	6	49
Black Spruce	15	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Black Spruce	Low	Variable	Sapling

40 4130 - Aspen Sapling Well 305.4 27 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	80	Sapling	3	27
American Elm	5	Sapling/Pole	6	
Balsam Fir	15	Sapling	3	

41 6122 - Black Spruce Poletimber Well 20.5 99 Unspecified N/A Has access issues and is surrounded by lowland.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	8	
Quaking Aspen	5	Pole	8	
Tamarack	10	Pole/Log	9	
Black Spruce	70	Pole/Log	9	99
Paper Birch	5	Pole/Sapling	5	

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

42 6122 - Black Spruce Poletimber Well 7.7 99 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	6	
Paper Birch	5	Pole/Sapling	5	
Balsam Fir	15	Pole	6	
Tamarack	15	Pole	8	
Black Spruce	60	Pole/Log	9	99

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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43 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 16.5 77 Unspecified N/A Low volumes. Aspen is starting to degrade. OI comments ask to leave this stand to help protect Big Beaver Creek.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	9		Paper Birch	Low	Variable	Sapling
Black Spruce	30	Pole/Log	9	77	Black Spruce	Low	Variable	Sapling
Balsam Fir	10	Pole	8		Balsam Fir	Low	Variable	Sapling
Northern White Cedar	20	Log/Pole	11		Red Maple	Low	Variable	Sapling
Quaking Aspen	10	Pole/Log	9					
Paper Birch	20	Pole/Log	9					

44 6124 - Lowland Spruce-Fir Sawtimber Well 2.8 81 Unspecified N/A Not really any way to access this stand with equipment at this time.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Pole	8		Black Spruce	Low	Variable	Sapling
Northern White Cedar	40	Log/Pole	10		Balsam Fir	Low	Variable	Sapling
Black Spruce	40	Pole/Log	9	81				

45 6229 - Mixed lowland shrub Nonstocked 5.5 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Alder	Full		Tall Shrub
Red Maple	Low		Sapling
American Elm	Low		Pole

46 4119 - Mixed Northern Hardwoods Sawtimber Well 114.0 93 81-110 N/A Stand was thinned: Hulbert Island Hardwoods, Complete 3/2007.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood	10	Log/Pole	8		Blackberry/Raspberry	Medium	Variable	Tall Shrub
White Ash	10	Pole	5		Balsam Fir	Medium	Variable	Sapling
Sugar Maple	30	Log/Pole/XLog	12		White Spruce	Medium	Variable	Sapling
Red Maple	40	Log/Pole/XLog	12	93	Tag Alder	Low	Variable	Tall Shrub
Quaking Aspen	10	Pole	5		Red Maple	Medium	Variable	Sapling

48 6130 - Fir, Aspen, Maple Poletimber Well 2.5 54 Unspecified N/A Stand looks like it gets very wet at times.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	15	Pole	9		Balsam Fir	Low	Variable	Sapling
Balsam Fir	50	Pole	8	54	Tag Alder	Low	5 - 10 feet	Tall Shrub
American Elm	15	Pole/Sapling	6		Red Maple	Low	Variable	Sapling
Red Maple	20	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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49	6229 - Mixed lowland shrub	Nonstocked	2.7		Unspecified	No					
								Sub-Canopy Species	Density	Avg. Height	Size
								Tamarack	Low		Sapling
								Paper Birch	Trace		Sapling
								Black Spruce	Low		Sapling
Red Maple	Trace		Sapling								

50	500 - Water	Nonstocked	7.4		Unspecified	No	Lots of old beaver activity.				
								Sub-Canopy Species	Density	Avg. Height	Size
								Black Spruce	Low		Sapling
								Balsam Fir	Low		Sapling
American Elm	Trace		Pole								

51	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	13.5	100	111-140	N/A	Mixed lowland site within the hardwood island. Quite a few very large red maple throughout. The stand can be very wet at times.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Pole/Sapling	6	
Beech	2	Pole/Sapling	6	
Paper Birch	5	Pole/Sapling	6	
Balsam Fir	18	Pole	6	
White Spruce	5	Pole	6	
Northern White Cedar	10	Pole/Log	8	
Red Maple	55	XLog/Log	18	100

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
Balsam Fir	High	Variable	Sapling
White Spruce	Low	Variable	Sapling

52	6123 - Lowland Fir	Poletimber Well	1.1	54	Unspecified	N/A	Stand can be very wet at times.

Canopy Species	% Cover	Size Class	DBH	Age
American Elm	10	Pole	7	
Quaking Aspen	5	Pole/Sapling	5	
Balsam Fir	65	Pole/Sapling	5	54
Black Spruce	15	Pole/Sapling	5	
Red Maple	5	Pole/Sapling	5	

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

53	500 - Water	Nonstocked	1.3		Unspecified	No	Lots of beaver activity.

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Trace		Sapling
Tamarack	Trace		Sapling
Alder	Low		Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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54 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 44.3 78 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	15	Pole/Sapling	5	
Quaking Aspen	15	Pole/Sapling	5	
Black Spruce	25	Pole	7	78
Northern White Cedar	10	Pole/Log	9	
Tamarack	10	Pole/Sapling	5	
Red Maple	5	Pole/Sapling	5	
Balsam Fir	20	Pole/Sapling	5	

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

55 6229 - Mixed lowland shrub Nonstocked 9.3 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low		Sapling
Alder	Medium		Tall Shrub
Balsam Fir	Low	Unspecified	Sapling
Tamarack	Low		Sapling

57 4134 - Aspen, Spruce/Fir Sapling Well 28.2 16 Immature N/A Stand was part of North Hulbert Aspen: Sale # 42-040-04-01.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	16	Pole/Sapling	5	53
American Elm	16	Pole	7	
Red Maple	12	Pole/Sapling	5	
Quaking Aspen	40	Sapling	3	16
White Spruce	16	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Tag Alder	Low	Variable	Tall Shrub
White Spruce	Low	Variable	Sapling
Balsam Poplar	Low	Variable	Sapling

58 6229 - Mixed lowland shrub Nonstocked 3.9 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low		Sapling
Black Spruce	Low		Sapling
Alder	Medium		Tall Shrub
Tamarack	Low		Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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59 6229 - Mixed lowland shrub Nonstocked 63.9 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
American Elm	Trace		Sapling
Northern White Cedar	Trace		Pole
Balsam Fir	Low		Sapling
Tamarack	Low		Sapling
Alder	Medium		Tall Shrub
Paper Birch	Low		Sapling
Black Spruce	Low		Sapling

60 4130 - Aspen Poletimber Well 159.1 27 Unspecified N/A Stand was cut as # 42-031-94-01. Excellent aspen.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	13	Sapling	4	
Quaking Aspen	80	Pole/Sapling	5	27
Red Maple	2	Sapling	4	
White Spruce	5	Sapling	3	

61 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 8.7 57 Unspecified N/A Beaver activity influencing timber along the river. Very mixed lowland stand.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	15	Log/Pole	9	
Tamarack	10	Pole/Log	8	
American Elm	5	Pole	7	
Red Maple	10	Pole/Sapling	6	
Paper Birch	10	Pole/Sapling	5	
Quaking Aspen	10	Pole/Sapling	6	
Black Spruce	15	Pole	7	
Balsam Fir	25	Pole	7	57

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

62 6124 - Lowland Spruce-Fir Sapling Poor 208.8 74 Unspecified N/A This is a very mixed stand. Varying tree species and densities. Open areas have a lot of alder. It looks like this stand gets very wet at times.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Sapling/Pole	3	
Black Spruce	30	Sapling	4	74
Balsam Fir	30	Sapling	4	
Tamarack	30	Sapling/Pole	3	
Red Maple	5	Sapling/Pole	3	

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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63	6122 - Black Spruce	Sawtimber Well	9.8	91	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		10	Log/Pole	10		Black Spruce	Low	Variable	Sapling
Balsam Fir		10	Pole	8		Balsam Fir	Low	Variable	Sapling
Black Spruce		80	Log/Pole	10	91	Tag Alder	Medium	< 5 feet	Tall Shrub

64	6120 - Lowland Cedar	Sawtimber Well	21.3	109	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		10	Pole/Log	8		Tag Alder	Low	< 5 feet	Tall Shrub
Tamarack		5	Pole/Log	8		Bigtooth Aspen	Low	Variable	Sapling
Northern White Cedar		85	Log/Pole	10	109	Balsam Fir	Low	Variable	Sapling

65	6120 - Lowland Cedar	Sawtimber Well	1.1	109	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		5	Pole	8		Black Spruce	Low	Variable	Sapling
Northern White Cedar		85	Log/Pole	10	109	Tag Alder	Low	< 5 feet	Tall Shrub
Tamarack		5	Pole/Log	9		Balsam Fir	Low	Variable	Sapling
Black Spruce		5	Pole	8					

66	6229 - Mixed lowland shrub	Nonstocked	96.7		Unspecified	No	
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		Low		Sapling			
Alder		High		Tall Shrub			
Red Maple		Low		Sapling			
Balsam Poplar		Low		Sapling			

67	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	4.1	81	Unspecified	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch		35	Pole/Log	9		Paper Birch	Low	Variable	Sapling
Quaking Aspen		10	Pole/Sapling	6		Balsam Fir	Low	Variable	Sapling
Northern White Cedar		10	Log	11		Black Spruce	Low	Variable	Sapling
Balsam Fir		5	Pole	7		Red Maple	Low	Variable	Sapling
Tamarack		5	Pole/Sapling	6					
Red Maple		35	Pole/Log	9	81				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
68	4130 - Aspen	Poletimber Well	44.0	34	Unspecified	N/A	
Canopy Species	% Cover	Size Class	DBH	Age			
Quaking Aspen	90	Pole	6	34			
Red Maple	5	Log/Pole	10				
Balsam Fir	5	Pole/Sapling	6				
Sub-Canopy Species	Density	Avg. Height	Size				
Balsam Fir	Low	Variable	Sapling				
Tag Alder	Medium	< 5 feet	Tall Shrub				
Red Maple	Low	Variable	Sapling				
Quaking Aspen	Low	5 - 10 feet	Sapling				
69	6130 - Fir, Aspen, Maple	Sapling Well	150.9	41	81-110	N/A	Variable stand. Mixed bag of species, sizes, and densities. Some nice pockets of cedar.
Canopy Species	% Cover	Size Class	DBH	Age			
Black Ash	10	Pole/Sapling	5				
Northern White Cedar	15	Log/Pole	12				
Quaking Aspen	5	Pole/Sapling	5				
Red Maple	20	Sapling/Pole	4				
Balsam Fir	30	Sapling	4	41			
Paper Birch	5	Sapling	4				
Black Spruce	10	Pole	8				
Balsam Poplar	5	Pole/Sapling	5				
Sub-Canopy Species	Density	Avg. Height	Size				
Red Maple	Medium	Variable	Sapling				
Balsam Fir	Medium	Variable	Sapling				
Tag Alder	High	< 5 feet	Tall Shrub				
70	4134 - Aspen, Spruce/Fir	Sawtimber Well	55.7	73	Unspecified	N/A	Aspen is two ages; 72 and 38. Large overstory trees with small aspen and balsam fir throughout. Lots of course woody debris.
Canopy Species	% Cover	Size Class	DBH	Age			
Balsam Fir	15	Sapling/Pole	4				
White Spruce	5	Pole/Log	8				
White Pine	2	XLog/Log	18				
Red Maple	25	Pole/Sapling	6				
Paper Birch	13	Sapling/Pole	4				
Bigtooth Aspen	40	Log	10	73			
Sub-Canopy Species	Density	Avg. Height	Size				
Balsam Fir	High	Variable	Sapling				
Red Maple	High	Variable	Sapling				
71	6139 - Mixed Lowland Forest	Sapling Poor	25.7	51	1-50	N/A	Small diameter/short timber. Low density.
Canopy Species	% Cover	Size Class	DBH	Age			
Paper Birch	23	Sapling/Pole	5				
Red Maple	22	Sapling/Pole	5				
Balsam Fir	20	Sapling/Pole	3				
White Pine	10	Log	12				
Black Spruce	25	Sapling	4	51			
Sub-Canopy Species	Density	Avg. Height	Size				
Tag Alder	Medium	< 5 feet	Tall Shrub				
72	4113 - R.Maple, Conifer	Sawtimber Well	9.9	86	81-110	N/A	
Canopy Species	% Cover	Size Class	DBH	Age			
Balsam Fir	20	Pole	6				
White Pine	5	XLog/Log	18				
Paper Birch	5	Pole	5				
Red Maple	70	Log	14	86			
Sub-Canopy Species	Density	Avg. Height	Size				
Red Maple	Medium	Variable	Sapling				
Balsam Fir	High	Variable	Sapling				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
73	6122 - Black Spruce	Poletimber Well	34.4	93	Unspecified	N/A	Nice spruce; variable size classes. Timber is sporadic in places where it gets too wet. Lots of Course Woody Debris.																																													
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101	4112 - Maple, Beech, Cherry Association	Poletimber Well	2.1	87	81-110	N/A	Small patch of maple. Not that great of quality.																																													
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102	622 - Lowland Shrub	Nonstocked	6.6		Unspecified	No																																														
103	6120 - Lowland Cedar	Poletimber Medium	3.5	74	Unspecified	N/A																																														
104	6130 - Fir, Aspen, Maple	Sawtimber Well	69.0	82	81-110	N/A	Stand consists of a mix of species. Looks like portions of this stand were picked over in the past (about 20+ years ago). Scattered overstory conifers (white pine, spruce, hemlock). Some areas of cedar.																																													
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Northern White Cedar	10	Log	10																																																	
105	622 - Lowland Shrub	Nonstocked	7.1		Unspecified	No																																														
106	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	122.7	79	111-140	N/A	Lots of log size hemlock scattered in this stand. Some areas are more open and have good regeneration growing. Very mixed stand. There is a portion of this stand that was cut with the stand north of the compartment line and has good regeneration.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																				
107	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	58.1	71	81-110	N/A	Part of this stand near the skid road was picked through. The rest of the stand has a closed canopy with scattered cedar, hemlock and white pine present in the stand.																				
108	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	10.8	77	Unspecified	N/A																					
110	4130 - Aspen	Sapling Well	8.9	17	Unspecified	N/A	Aspen clearcut which has regenerated really nicely. There are some scattered pole size red maple.																				
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111	6224 - Treed Bog	Nonstocked	5.8		Unspecified	No																					
112	4130 - Aspen	Poletimber Well	45.7	35	Unspecified	N/A	This stand was cut in 1988 and is now a fully stock stand of small poles.. Aspen is doing really well. Some scattered pole size red maples.																				
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113	622 - Lowland Shrub	Nonstocked	29.4		Unspecified	No																					
114	4130 - Aspen	Sapling Well	75.5	21	Unspecified	N/A	Stand was cut in 2002 and has really nice regeneration. Some of the aspen is approaching pole size.																				
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115	6224 - Treed Bog	Nonstocked	8.5		Unspecified	No																					
116	4130 - Aspen	Sapling Well	14.8	19	Unspecified	N/A	This is a sapling stand with good regen of aspen and cherry along with a mix of other species. There are scattered log and pole size red maple, cedar, yellow birch and aspen throughout the stand.																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																														
117	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Medium	6.6	19	Unspecified	N/A	Stand was cut at the same time as the adjacent aspen stand. Low ground is taking a little bit longer to regenerate. Lots of good regen is coming in that is about 5' tall. Some scattered overstory white pine.																														
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118	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	9.8	77	81-110	N/A	Stand is a mixed bag like the other stands in this area. Lots of conifer in the understory. Lower ground along bog on north side of stand.																														