



# Compartment Review Presentation

## Newberry Forest Management Unit

Compartment 42114

Entry Year 2021

Acreage: 2,182

County Luce

Management Area: Tahquamenon Basin Wetlands

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**Revision Date:** 2019-08-06

**Stand Examiner:** Matt Payment

**Legal Description:**

T46N R09W Section(s) 4, 6 - 9

**Identified Planning Goals:**

Maintain habitat, species, age class and structural diversity throughout the compartment.

**Soil and topography:**

Generally flat terrain with forested sand ridges and low, wet ground.

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

This compartment is made up of a large tract of State ownership with some private holdings scattered throughout. The Mt. Forest Club owns a majority of the private land within this compartment.

**Unique Natural Features:**

Potential for sweet coltsfoot, Wiegand's sedge, northern prostrate clubmoss, fir clubmoss, English sundew, meadow beauty, round-leaved orchis, black crowberry, yellow pitcher plant, and paniced screwstem in bogs and open wetlands. Potential for calypso orchis, lapland buttercup, ram's head lady's slipper, round-leaved orchid and limestone oak fern in cedar swamps. Potential for great blue heron rookery, black-backed woodpecker, spruce grouse, eagle, osprey, and goshawk. Potential for moose and wolf. Potential for incurvate emerald, frigga fritillary, freija fritillary, and ebony boghaunter in boggy areas.

**Archeological, Historical, and Cultural Features:**

None listed with the Bureau of History

**Special Management Designations or Considerations:**

Majority of Section 4 (along and adjacent to Auger Creek) has been nominated for biodiversity stewardship.

**Watershed and Fisheries Considerations:**

Fisheries Values: Minimal  
Sixteen and Auger creeks are both designated trout streams. Sixteen Creek holds cold water, but trout species are not likely present because of its length and low flows below the Charcoal Grade. Auger Creek holds trout higher in the watershed, but likely not in the section bordering this compartment. Standard BMP's should apply to any proposed treatments in stands adjacent to the creeks.

**Wildlife Habitat Considerations:**

Compartment 114 lies in eastern Luce county and is in the Seney Sand Lake Plain ecological sub-subsection and lies within the Tahquamenon River Basin Wetlands Management Area and black bear, white-tailed deer, snowshoe hare and gray jay are featured species. The compartment is comprised largely of a mix of lowland conifer types including mixed swamp conifer, cedar, spruce, and pine ridges. Numerous treed bogs are scattered throughout the compartment. Stands tend to have high tree species diversity.

Wildlife objectives for this compartment will be met by maintaining maximum species diversity in harvested stands and by leaving mature trees in final harvests. Harvests will generally occur during winter to protect fragile soils. White-tailed deer, moose, black bear, bobcat, gray wolf, coyote, fisher, marten and snowshoe hare are notable wildlife species likely to utilize this compartment.

**Mineral Resource and Development Concerns and/or Restrictions**

Sections 4 & 6-9, T46N-R9W, Luce County

Numerous active sand/gravel pits exist southwest of the compartment, but sand & gravel development potential within the compartment may be limited due to the extent of wetlands. There is no history of mineral leasing in the compartment. There is no known potential for metallic minerals in this area, and no known potential exists economic hydrocarbon production in the UP.

**Vehicle Access:**

Very limited, mainly along the Charcoal Grade.

**Survey Needs:**

Section 4, 5, 6, 8, 9

**Recreational Facilities and Opportunities:**

The Charcoal Grade serves as the snowmobile trail during the winter months; also hunting, trapping and wildlife viewing opportunities exist.

**Fire Protection:**

Swamp conifer types dominate this compartment which makes large fire runs not likely and makes the risk to private properties low. Heavy wheeled equipment access is limited to the Charcoal Grade and a few trail roads in the compartment.

**Additional Compartment Information:**

The following reports from the Inventory are attached:

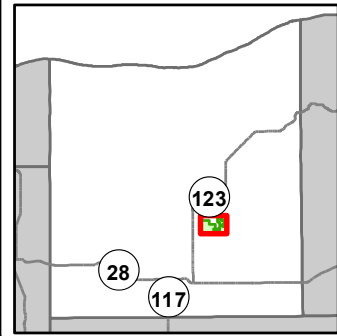
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

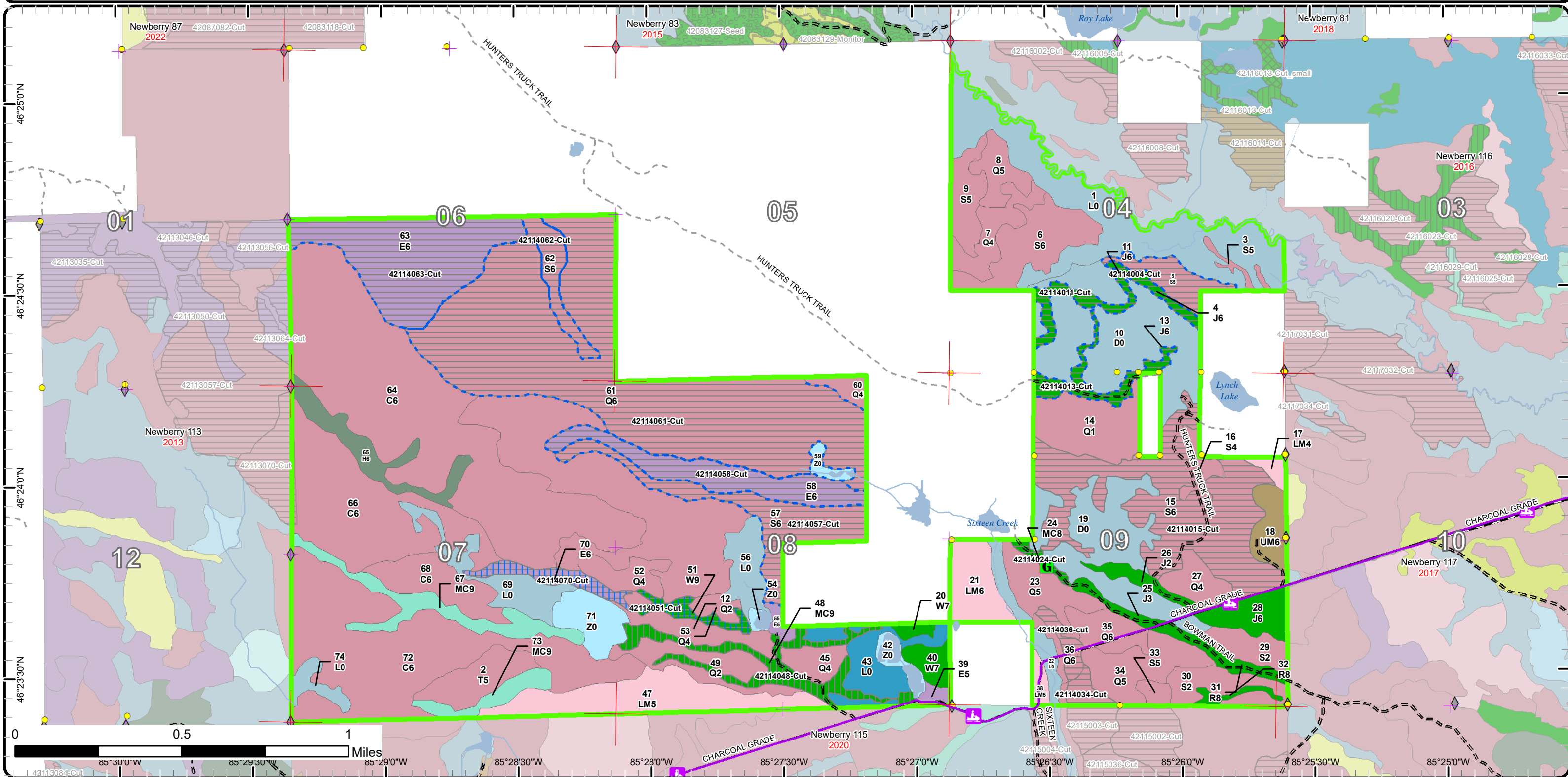
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

# Cover Type & Treatments Map

Compartment: 114  
 T46N, R09W, Sec. 4, 6-9  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Tahquamenon Basin  
 Wetlands  
 YOE: 2021  
 Acres: 2,182 GIS Calculated  
 Examiner: Matt Payment  
 Map Revised: 12/19/2019  
 Map Phase: Post-Review

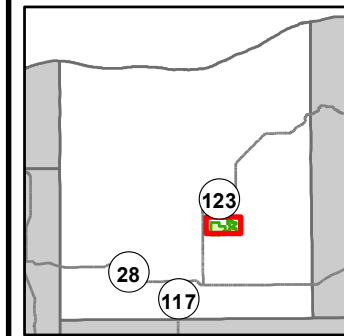


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Private - Dirt / Gravel Road
- Snowmobile Trails
- G Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
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- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland
- 500 - Water

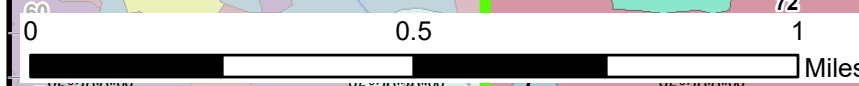
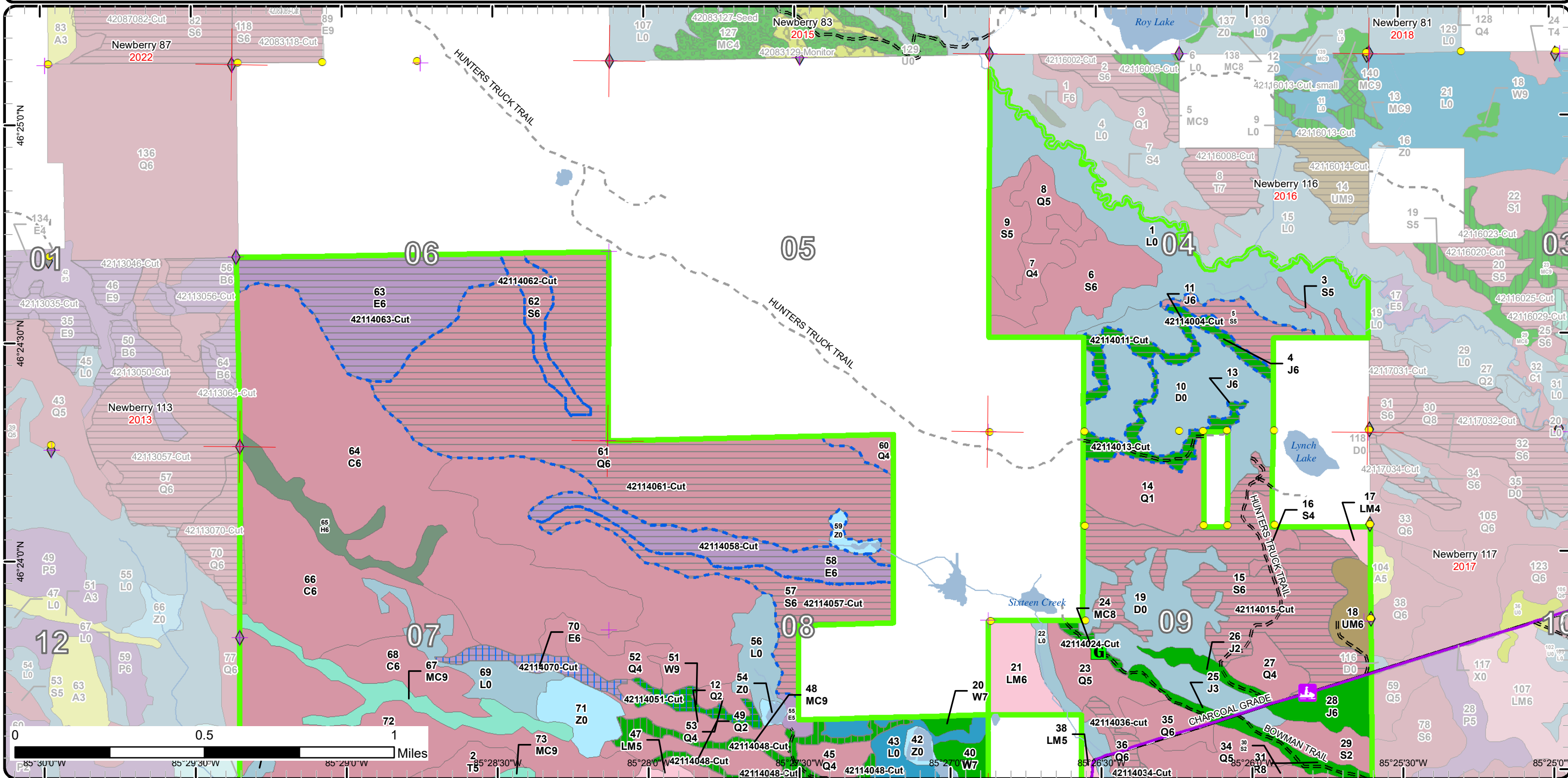


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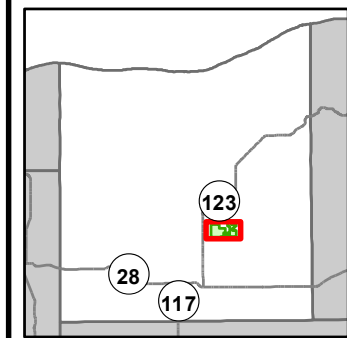
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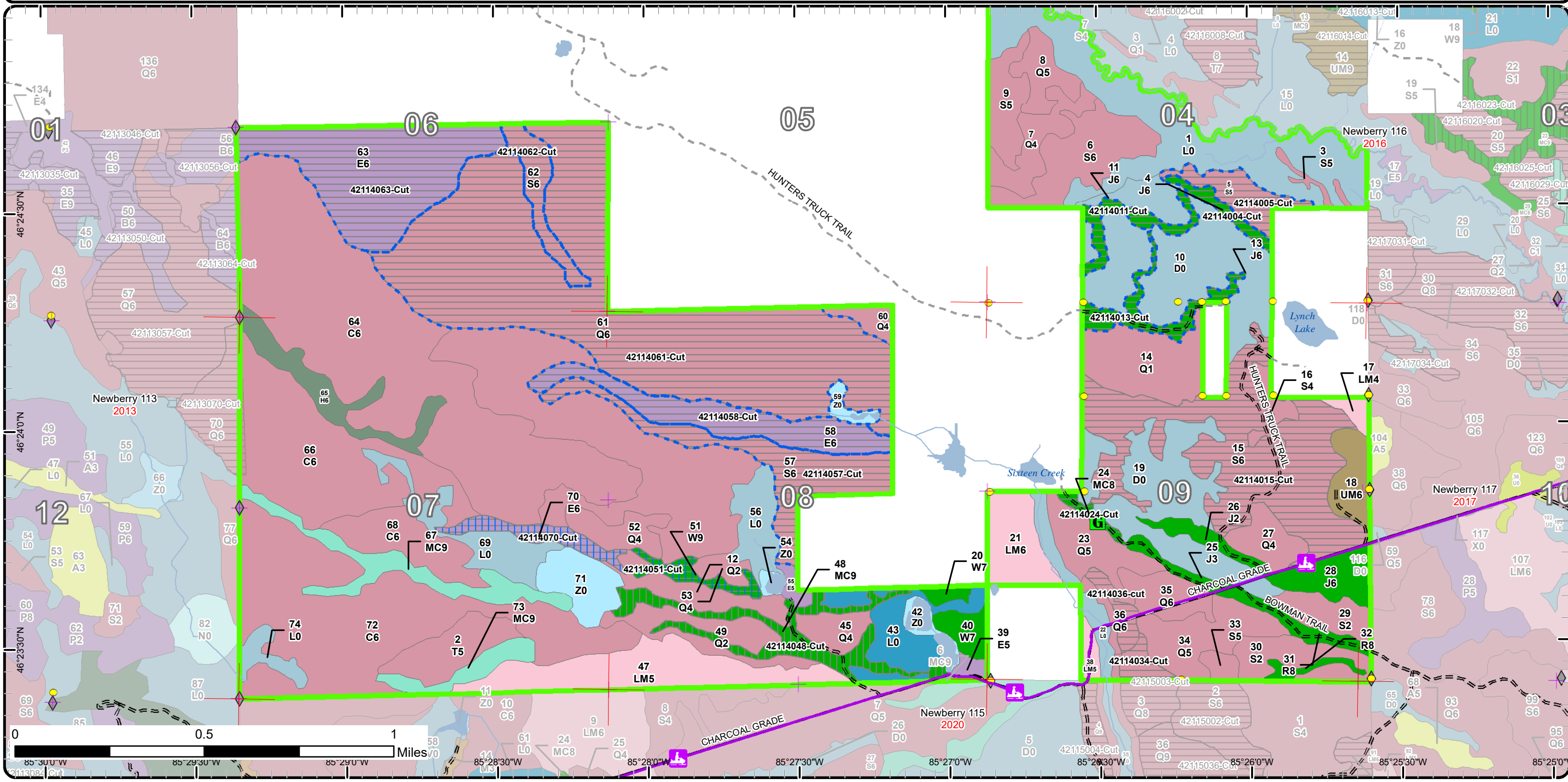
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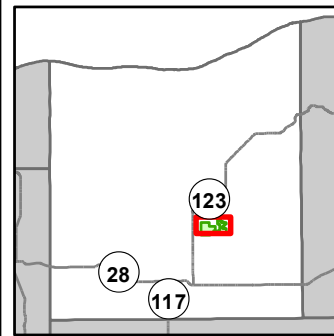


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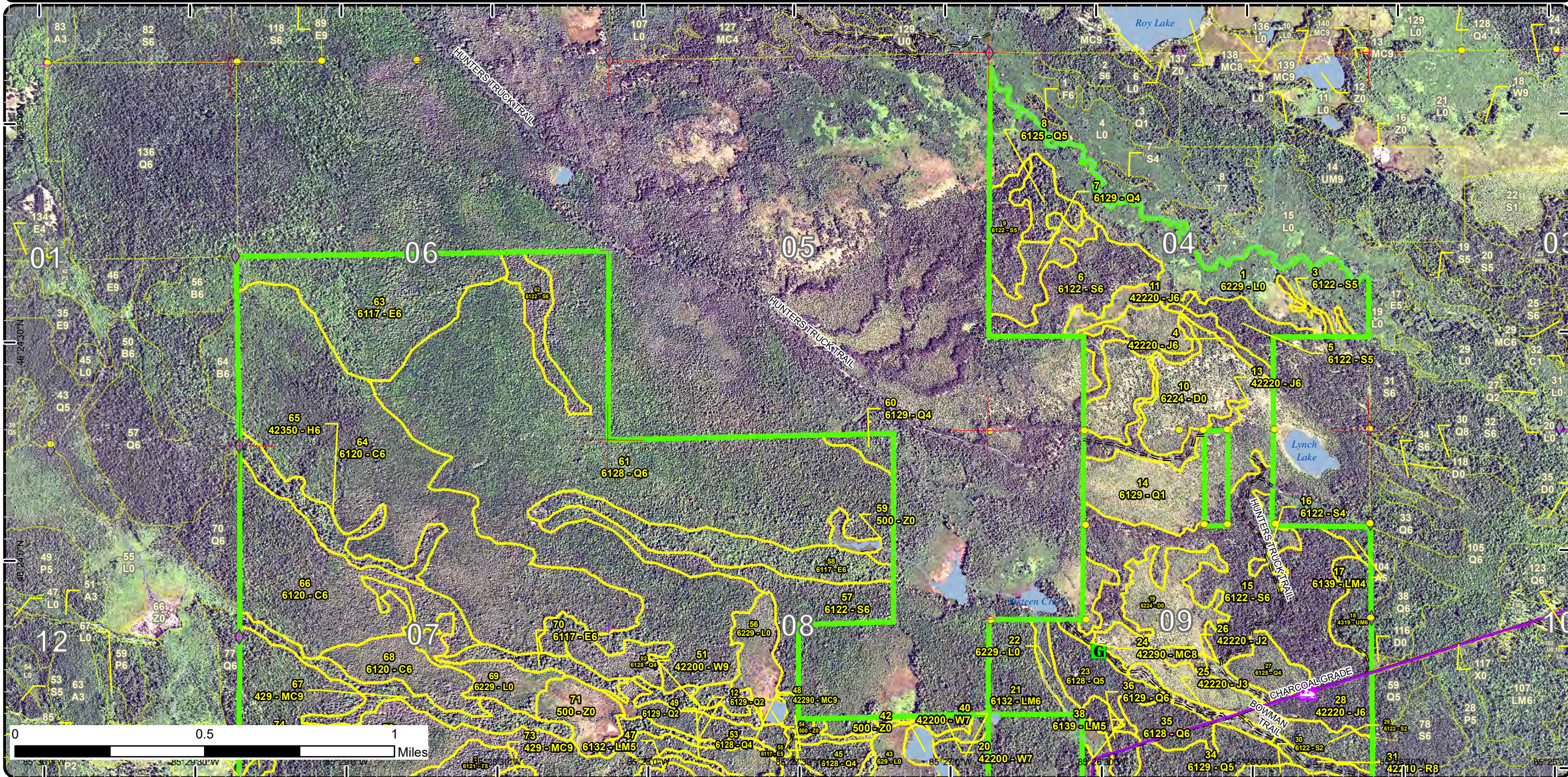


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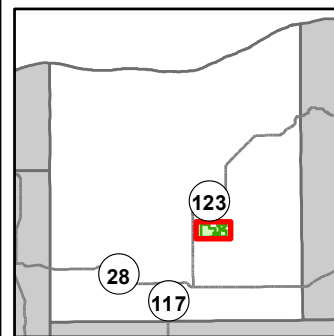


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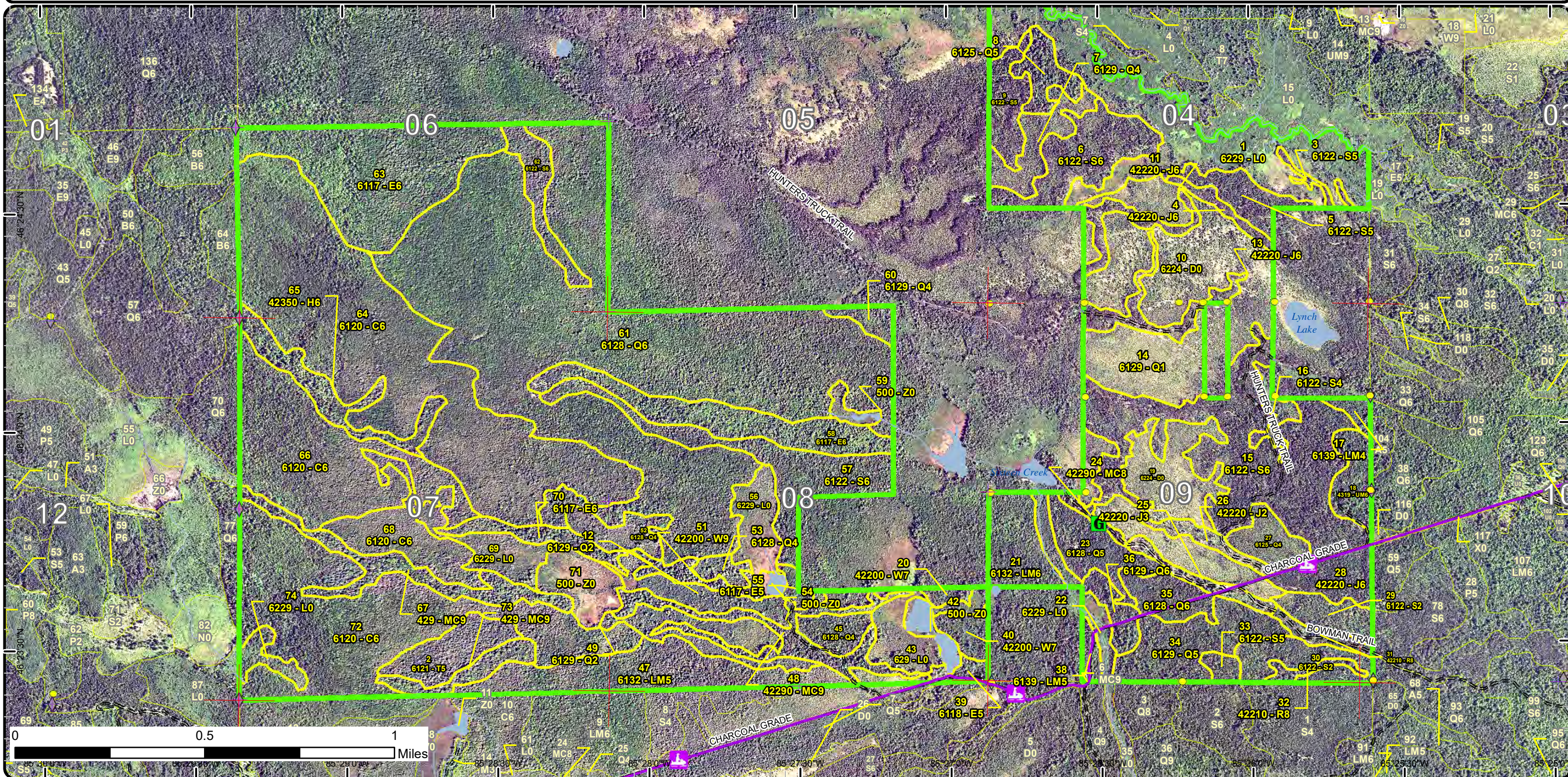


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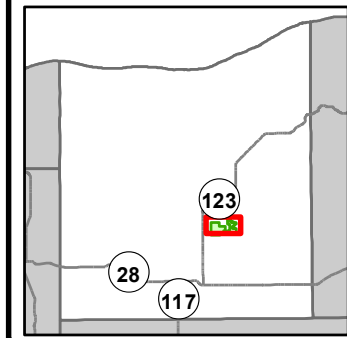


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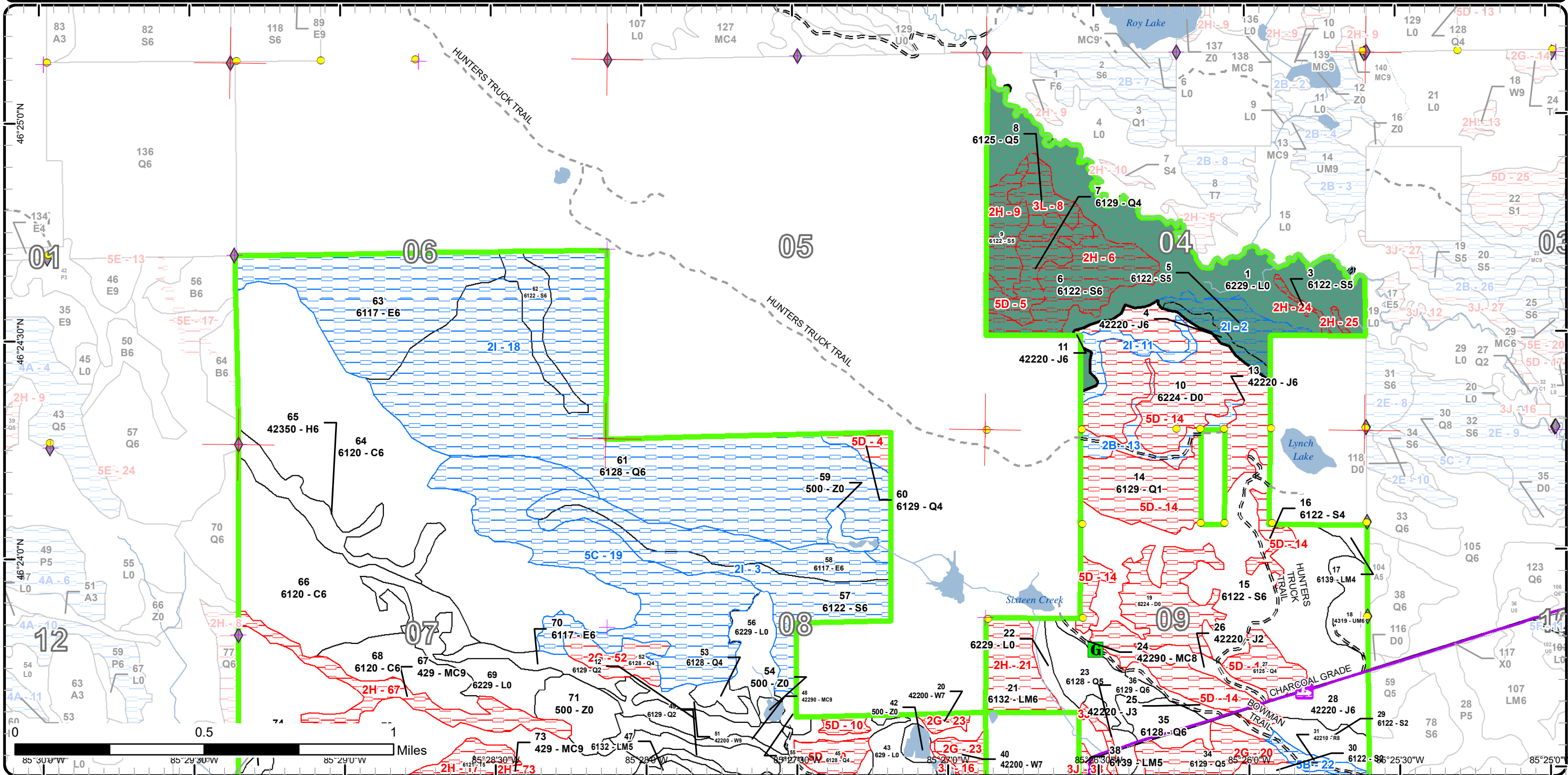


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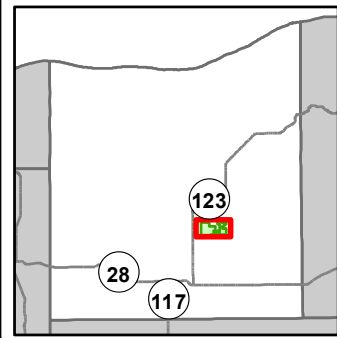
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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- Stand Boundaries
- SCA Removal
- Cold Water Streams
- Cold Water Lakes
- Habitat Corridor



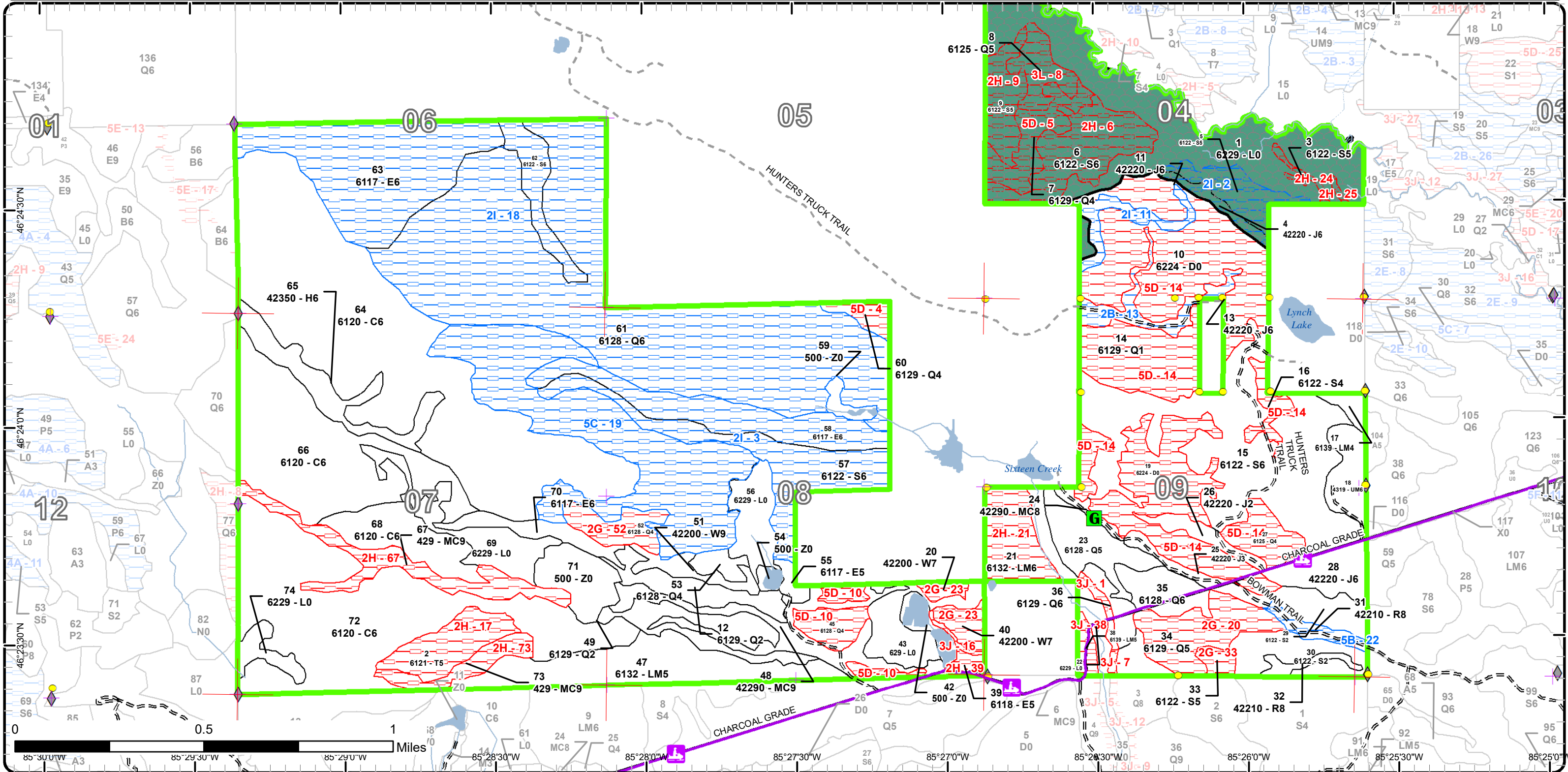


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- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- Stand Boundaries
- SCA Removal
- Cold Water Streams
- Cold Water Lakes
- Habitat Corridor



# Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 114 Year of Entry 2021

Matt Payment : Examiner



## 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
Cedar	0	0	0	0	0	0	0	0	0	137	0	326	0	0	0	0	0	0	463
Hemlock	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	24
Jack Pine	0	0	16	0	0	17	0	0	0	30	0	0	0	0	0	0	0	0	63
Lowland Conifers	0	0	0	0	49	21	14	24	57	443	10	0	0	0	0	0	0	0	618
Lowland Deciduous	0	0	0	0	0	0	0	0	12	127	4	0	0	0	0	0	0	0	143
Lowland Mixed Forest	0	0	0	0	0	4	0	0	23	0	5	0	0	0	0	0	0	51	82
Lowland Shrub	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186
Lowland Spruce/Fir	0	0	0	0	32	0	0	0	24	209	23	0	0	0	0	0	0	0	288
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	3	33
Red Pine	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	10
Tamarack	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	21
Treed Bog	144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	12	27	0	0	0	0	0	39
Upland Mixed Forest	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	14
Water	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
White Pine	0	0	0	0	0	0	0	0	0	0	12	8	0	0	0	0	0	0	20
<b>Total</b>	<b>363</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>81</b>	<b>57</b>	<b>14</b>	<b>24</b>	<b>116</b>	<b>977</b>	<b>54</b>	<b>400</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>2181</b>



## Report 2 – Treatment Summary

**Newberry Mgt. Unit**  
**Year of Entry: 2021**

**Acres of Harvest**

**Compartment 114**  
**Total Compartment Acres: 2,182**

Commercial Harvest - 180  
 Harvests with Site Condition - 497  
 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
Jack Pine	30	0	0	0	0	0	0	0	0	30
Lowland Conifers	281	0	0	0	0	0	0	0	0	281
Lowland Deciduous	123	0	0	12	0	0	0	0	0	135
Lowland Spruce/Fir	190	0	0	0	0	0	0	0	0	190
Natural Mixed Pines	3	0	0	0	30	0	0	0	0	33
White Pine	0	0	0	8	0	0	0	0	0	8
<b>Total</b>	<b>627</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>677</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	677	0	0	0	0	0	0	0	0	677
Next Step	0	146	0	143	0	0	558	0	0	847
<b>Total</b>	<b>677</b>	<b>146</b>	<b>0</b>	<b>143</b>	<b>0</b>	<b>0</b>	<b>558</b>	<b>0</b>	<b>0</b>	<b>1524</b>



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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**Approved Treatments:**

<b>4</b>	<b>42114004-Cut</b>	5.5	42220 - Natural Jack Pine	Poletimber Well	86	81-110	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut all species. No retention due to small acreage. Leave 1-2 merchantable White Pine per acre of varying sizes along the top of the ridge where present</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Seeding, Other - Specify; SitePrep, Scarification</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> jack pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Meet with MT Forest Hunt Club when beginning sale prep and refer back to Compartment review notes for further direction.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
<b>5</b>	<b>42114005-Cut</b>	15.7	6122 - Black Spruce	Poletimber Medium	99	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut all species present. Buffer low areas towards the auger creek accordingly. Leave all white pine.</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> spruce mixed lowland conifers.</p> <p><u>Regen:</u></p> <p><u>Other</u> Meet with MT Forest Hunt Club when beginning sale prep and refer back to Compartment review notes for further direction.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
<b>11</b>	<b>42114011-Cut</b>	10.1	42220 - Natural Jack Pine	Poletimber Well	86	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut all species, leave 1-2 merchantable White Pine per acre of varying sizes along the top of the ridge where present. Stand should be seeded by snowmobile if scarification fails.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Seeding, Other - Specify; Monitoring, Artificial Regen(3yr); SitePrep, Scarification</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> jack pine.</p> <p><u>Regen:</u></p> <p><u>Other</u> Meet with MT Forest Hunt Club when beginning sale prep and refer back to Compartment review notes for further direction.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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13	42114013-Cut	13.9	42220 - Natural Jack Pine	Poletimber Well	86	51-80	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
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Prescription Remove all species present except leave 1-2 merchantable White Pine per acre of varying sizes along the top of the ridge where present.  
Specs:

Scarify stand if possible, if scarification fails, seed stand via snowmobile.

Next Step SitePrep, Scarification; Seeding, Other - Specify; Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable jack pine

Regen:

Other Meet with MT Forest Hunt Club when beginning sale prep and refer back to Compartment review notes for further direction.

Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2020

15	42114015-Cut	113.4	6122 - Black Spruce	Poletimber Well	81	81-110	Harvest	Clearcut with Retention	6125 - Lowland Black Spruce, Jack Pine	Even-Aged	No
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Prescription Cut all species present in the stand leaving 3-5% retention in forms of pockets.

Specs: Leave some scattered large diameter White Pine, especially near any water. Five, 1 acre pockets in the west and the north for retention. Low areas will require freezing during winter so sale may need to be cut in the winter. Scarify ridge is possible, asses after harvest, if not applicable seed areas that were heavier to jack pine with a snowmobile.

Next Step SitePrep, Scarification; Seeding, Other - Specify

Treatments:

Acceptable jack pine and black spruce

Regen:

Other Meet with MT Forest Hunt Club when beginning sale prep and refer back to Compartment review notes for further direction.

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

24	42114024-Cut	3.4	42290 - Natural Mixed Pine	Sawtimber Medium	105	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
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Prescription Cut all Jack pine and spruce, leave some red and white 10-30BA where present.

Specs:

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

Treatments:

Acceptable mixed pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020



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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
<b>34 42114034-Cut</b>	6.1	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	89	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut with Retention. Harvest all species except hemlock and white pine. Also leave 100' buffer along the 16 Creek. This will serve as patch retention.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> Spruce, balsam, cedar, hemlock, white pine and associated species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2019</p>										
<b>36 42114036-cut</b>	6.9	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	93	81-110	Harvest	Clearcut	6129 - Mixed Coniferous Lowland Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut with Retention. Harvest all species except hemlock and white pine. Also leave 100' buffer along 16 Creek corridor as buffer. This will serve as patch retention.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> Spruce, balsam, hemlock, white pine, cedar and associated species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2019</p>										
<b>48 42114048-Cut</b>	29.9	42290 - Natural Mixed Pine	Sawtimber Well	102	81-110	Harvest	Shelterwood with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription Specs:</u> Shelterwood with retention. Mark to retain 30-50BA targeting red and white pine. Cut all other merchantable species. Leave 1 large Aspen per 2 acres where present. Acreage may change after sale prep.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> mixed pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</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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<b>51</b>	<b>42114051-Cut</b>	8.4	42200 - Natural White Pine	Sawtimber Well	102	51-80	Harvest	Seed Tree with Retention	4220 - Natural White Pine	Two-Aged	No
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Prescription Seedtree with retention. Remove all species within stand but mark 10-20BA of white/red pine to leave. Leave 1 large Aspen per 2 acres where present. Acreage may change after sale prep.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

<b>57</b>	<b>42114057-Cut</b>	44.8	6122 - Black Spruce Poletimber	Well	81	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
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Prescription Clearcut with retention. Remove all species present. Leave 3-5% of sale acreage in form of retention pockets, make pockets as diverse as possible. Acreage may change after sale prep. due to low ground nature of the area.

Specs:

Leave Hemlock where is exists, unless it needs to be cuts for maneuverability only.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable spruce and mixed lowland coniferous species.

Regen:

Other

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020

<b>58</b>	<b>42114058-Cut</b>	40.8	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	84	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
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Prescription Clearcut with retention. Remove all species within stand but retain 1 white pine per/acre where present and leave retention pocket(s) 3-5% of sale acreage, make as diverse as possible. Leave White Pine varying size classes, leave hemlock where it exists. Acreage may change after sale prep.

Specs:

Leave Hemlock where is exists, unless it needs to be cuts for maneuverability only.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed lowland deciduous.

Regen:

Other

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020



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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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<b>61</b>	<b>42114061-Cut</b>	267.5	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	86	51-80	Harvest	Clearcut with Retention	6129 - Mixed Coniferous Lowland Forest	Even-Aged	No
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Prescription Clearcut with retention. Remove all species present. Leave 3-5% of sale acreage in the form of retention pockets throughout the sale,  
Specs: Leave at least 5 retention pockets diverse as possible make some interior and leave White Pine over 20". Leave hemlock where it exists. Add some linear brush piles for hare 1 tree length long and 6' high, going into stands 63 and 58. Acreage may differ after sale prep due to low ground nature of the sale.  
Leave Hemlock where is exists, unless it needs to be cuts for maneuverability only.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed coniferous and mixed deciduous species are acceptable regeneration.

Regen:

Other

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020

<b>62</b>	<b>42114062-Cut</b>	16.0	6122 - Black Spruce	Poletimber Well	86	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
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Prescription Clearcut with retention. Remove all species present. Retain 1 white pine per/acre if present. Retention pockets 3-5%, make as diverse as possible.

Leave Hemlock where is exists, unless it needs to be cuts for maneuverability only.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable black spruce

Regen:

Other

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020

<b>63</b>	<b>42114063-Cut</b>	82.4	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	84	81-110	Harvest	Clearcut with Retention	6119 - Mixed Lowland Deciduous Forest	Even-Aged	No
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Prescription Clearcut with retention. Remove all species within stand but retain 1 white pine per/acre where present and leave retention pocket(s) 3-5% of sale acreage, make as diverse as possible. Acreage may change after sale prep.

Leave Hemlock where is exists, unless it needs to be cuts for maneuverability only.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed deciduous and mixed coniferous species.

Regen:

Other

Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2020





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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
70 42114070-Cut	11.9	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	78	81-110	Harvest	Seed Tree with Retention	6119 - Mixed Lowland Deciduous Forest	Two-Aged	No
<p><u>Prescription</u> Seedtree with retention. Remove all species within stand mark white pine to leave 10-20BA. Leave 1 large Aspen per 2 acres where present. Acreage may change after sale prep.</p> <p><u>Specs:</u></p> <p>Dry summer or winter cut only.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mixed lowland deciduous with some mixed coniferous.</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 /2020</p>										

**Total Treatment Acreage Proposed: 676.7**

## Report 4 – Site Conditions

Newberry Mgt. Unit  
Matt Payment : Examiner

Compartment: 114  
Year of Entry: 2021



### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions											
					2B	2E	2I	5B	5C	2G	2H	3J	3L	5D		
463	463	0	0		Cedar							0				
24	24	0	0		Hemlock											
63	33	30	0		Jack Pine	14		16								0
618	94	382	142		Lowland Conifers	0		268		114	41	0	4	13	84	
143	15	123	4		Lowland Deciduous			123			0	4	0			
83	55	0	28		Lowland Mixed Forest							23	4			
186	179	0	7		Lowland Shrub		0			0		0		0	7	
288	146	76	66		Lowland Spruce/Fir			76			4	55		0	7	
33	33	0	0		Natural Mixed Pines											0
10	4	6	0		Red Pine				6							
21	0	0	21		Tamarack							21				
144	2	0	142		Treed Bog											142
38	0	0	38		Upland Conifers							38				
15	15	0	0		Upland Mixed Forest											
33	33	0	0		Water							0	0			
20	8	0	12		White Pine						11		1			
2,182	1,105	617	460		Total Forested Acres	14	0	483	6	114	56	141	10	13	239	
	51%	28%	21%		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	3J: Water quality / BMPs (stream, river, or lake)	3	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Available	2I: Survey needed	21	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

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3	<b>Available</b>	<b>2I: Survey needed</b>	86	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	35	2I: Survey needed	2E: Road needed	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>3L: Other wildlife concerns</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
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9	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	17	Unspecified	Unspecified	2I: Survey needed	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Available</b>	<b>2I: Survey needed</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	14	2I: Survey needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	197	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

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17	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Available</b>	<b>2I: Survey needed</b>	366	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	114	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retain this half of stand due to the large chunk to the north being prescribed. Also stand is lower and appears more wet.							
20	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	23	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> let the aspen regenerate under the red pine canopy before thinning red pine again.							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
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23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
24	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	2E: Road needed	2I: Survey needed	Unspecified	Unspecified
<b>Comments:</b>							
25	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	2E: Road needed	2I: Survey needed	Unspecified	Unspecified
<b>Comments:</b>							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
38	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	2I: Survey needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
39	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

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 Matt Payment : Examiner

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 Year of Entry: 2021



52	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
67	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
73	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



**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
Unspecified Comments	Habitat Area	Habitat Corridor	SCA Removal	209





**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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
1	6229 - Mixed lowland shrub	Nonstocked	98.0		Unspecified	No	Stand acting as a natural buffer along Auger Creek. Lowland shrubs with leatherleaf and areas of herbaceous grass with some small scattered sub merchantable trees.																																				
2	6121 - Tamarack	Poletimber Medium	21.4	81	81-110	N/A	Stand of tamarack with spruce and cedar with some white pine scattered throughout. Access would be difficult.																																				
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Tamarack</td> <td>65</td> <td>Pole</td> <td>9</td> <td>81</td> </tr> <tr> <td>Black Spruce</td> <td>15</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>15</td> <td>Pole</td> <td>9</td> <td></td> </tr> </tbody> </table>						Canopy Species	% Cover	Size Class	DBH	Age	Tamarack	65	Pole	9	81	Black Spruce	15	Pole	7		Northern White Cedar	15	Pole	9																	
Canopy Species	% Cover	Size Class	DBH	Age																																							
Tamarack	65	Pole	9	81																																							
Black Spruce	15	Pole	7																																								
Northern White Cedar	15	Pole	9																																								
3	6122 - Black Spruce	Poletimber Medium	3.2	99	51-80	N/A	Small subtle upland fingers of spruce/jack pine within lowlands. Difficult access.																																				
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>85</td> <td>Pole</td> <td>8</td> <td>99</td> </tr> <tr> <td>Jack Pine</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>						Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	85	Pole	8	99	Jack Pine	10	Pole	8																						
Canopy Species	% Cover	Size Class	DBH	Age																																							
Black Spruce	85	Pole	8	99																																							
Jack Pine	10	Pole	8																																								
4	42220 - Natural Jack Pine	Poletimber Well	5.5	86	81-110	N/A	Jack pine mixed with spruce and white pine on a long narrow ridge. Limited access - blocked by bog type and private property. Formal survey would be needed.																																				
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>70</td> <td>Pole</td> <td>8</td> <td>86</td> </tr> <tr> <td>Black Spruce</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>13</td> <td></td> </tr> </tbody> </table>						Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	70	Pole	8	86	Black Spruce	20	Pole	8		White Pine	10	Log	13																	
Canopy Species	% Cover	Size Class	DBH	Age																																							
Jack Pine	70	Pole	8	86																																							
Black Spruce	20	Pole	8																																								
White Pine	10	Log	13																																								
5	6122 - Black Spruce	Poletimber Medium	15.7	99	81-110	N/A	Black Spruce with some jack along higher edges. White pine scattered throughout. Difficult access at best to stand. Would require freezing roads, crossing bog type and/or private lands - may not even be possible. Best access would be from stand 13 into adjacent stands.																																				
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>75</td> <td>Pole</td> <td>8</td> <td>99</td> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Pole</td> <td>9</td> <td></td> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	75	Pole	8	99	Black Spruce	Low	Variable	Sapling	Jack Pine	15	Pole	9		White Pine	Low	5 - 10 feet	Sapling	White Pine	10	Log	14					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																			
Black Spruce	75	Pole	8	99	Black Spruce	Low	Variable	Sapling																																			
Jack Pine	15	Pole	9		White Pine	Low	5 - 10 feet	Sapling																																			
White Pine	10	Log	14																																								
6	6122 - Black Spruce	Poletimber Well	34.7	86	81-110	N/A	Stand comprised of subtle ridges and swales consisting of Jack pine, white, and some red pine on the small ridges with spruce and a few scattered tamarack in the lower areas. MO could be both/either J or S. Access would be across private lands, and land survey would be required.																																				
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7	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	18.6	67	1-50	N/A	Mainly spruce, tamarack. Some larger timber within, with smaller size classes dominating most of the stand. Low wet ground.																																				
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8	6125 - Lowland Black Spruce, Jack Pine	Poletimber Medium	13.2	84	1-50	N/A	Stand consists of spruce, jack pine, white pine, and along the edges there is some red maple and paper birch. Some tamarack as well along lower wet edges of the stand. Access would be difficult.																															
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9	6122 - Black Spruce	Poletimber Medium	16.8	77	1-50	N/A	Stand is comprised of black spruce with jack pine in the higher areas along with scattered white pine. Access would be difficult and most likely through private property. Survey would be needed.																															
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10	6224 - Treed Bog	Nonstocked	84.3	0	Unspecified	No	Spruce/tamarack mainly. Large area low wet and timber is of poor quality and form and BA's are low throughout most. Unproductive forestland would be appropriate. Ground is very wet, large openings throughout.																															
11	42220 - Natural Jack Pine	Poletimber Well	10.1	86	81-110	N/A	Narrow ridge of timber mainly jack pine and spruce within bog - difficult access. Survey Needed.																															
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12	6129 - Mixed Coniferous Lowland Forest	Sapling Medium	17.1	37	1-50	N/A	Part of t. sale #025-81A. Mixed species of spruce, tamarack, cedar, and white pine. Small diameters of all species. Ground seems to be fairly dry given the amount of white pine growing in low areas.																															
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13	42220 - Natural Jack Pine	Poletimber Well	13.9	86	51-80	N/A	Narrow ridge of jack pine and spruce surrounded by bog type - only access would be through private lands. Land survey would be required, due to close proximity of private cabin.																															
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14	6129 - Mixed Coniferous Lowland Forest	Sapling Poor	35.0	70	1-50	N/A	Small diameter spruce and tamarack make up the stand. Very open and considerably wet throughout. Some leatherleaf and grasses/sedges present as well. Small unproductive timber.																															
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<b>15</b>	6122 - Black Spruce	Poletimber Well	113.4	81	81-110	N/A	This stand is a mix of spruce and jack pine. It is pretty much a ridge-swale complex. MO could be either spruce or jack. Winter cut would probably be desirable to freeze across low grounds throughout. Smaller, sub merchantable timber could be left standing for diversity. Possibly direct seed to supplement jack pine, since scarification will not be feasible. Old fence line found (E-W) along NE 40 PVT, which may help with survey need. Multiple old road off of charcoal grade that run into or through the stand in it's entirety.																																	
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<b>16</b>	6122 - Black Spruce	Poletimber Poor	7.1	77	1-50	N/A	Scattered merchantable spruce and tamarack. Some of the more open areas are more sub merchantable.																																	
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<b>17</b>	6139 - Mixed Lowland Forest	Poletimber Poor	4.2	44	1-50	N/A	Stand was harvested in 1975 as part of a timbersale, ground is mainly low and unproductive and what wasn't cut is now the merchantable products. Mainly red maple, paper birch, and aspen mixed throughout the tag alder understory.																																	
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<b>18</b>	4319 - Mixed Upland Forest	Poletimber Well	14.5	43	1-50	N/A	T. sale #30-74A, cut in 1975 - Species consist of Spruce, balsam, aspen, and some jack pine. Residual WP within, also some PB, RM and beech saplings. Stand is regenerating to primarily a mix of A,S and F - MO should be for both. Stand is anywhere from 20 - 30 feet in heights.																																	
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<b>19</b>	6224 - Treed Bog	Nonstocked	59.5		Unspecified	No	OPIC - FMD: Primarily spruce and tamarack (6 - 16' hts). Transition stand edges are more heavily stocked. Soils are Dawson-Greenwood-Loxley. 2001: stand 25																																	
<b>20</b>	42200 - Natural White Pine	Sawtimber Poor	3.3	99	1-50	N/A	Mainly large white pine which is flooding out from the nearby beaver pond. some trace species of pb, rm. Tag Alder understory.																																	
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<b>21</b>	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	23.2	79	81-110	N/A	Stand could either be a Q or E, based on data. Low ground and flooded timber. Inaccessible -surrounded by private property on 3 sides. Stream through the stand and another to cross to access stand on the east through state. Stand mainly red maple, black spruce, cedar, and white pine scattered throughout.																																	
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22	6229 - Mixed lowland shrub	Nonstocked	12.6		Unspecified	No	Buffer stand along drainage/Sixteen Creek - flooded timber.																																	
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23	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	21.3	48	1-50	N/A	Cut in 1970. Fair amount of dead snags/timber, due to increased flooding closer to L type. Tagalder understory. Near adjacent upland ridges, the spruce is in better shape.																																	
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24	42290 - Natural Mixed Pine	Sawtimber Medium	3.4	105	81-110	N/A	Narrow ridge with large red and white pine. Jack pine, aspen, some scattered maple and spruce on lower edges of stand. Fair amount of white pine pulp size wood coming in. Gate is in trespass. Possibly harvest stand when cutting stand 15.																																	
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25	42220 - Natural Jack Pine	Sapling Well	8.3	15	Immature	N/A	Stand harvested as Two Ridge Jack Pine (12-01-01). Sale completed 10/28/03. Some insect defoliation noted on JP stems. Some residual WP and PB. MO will be for both J and S/F. Jack pine seedling ranging from 5-15 foot tall. Some aspen in with the jack pine.																																	
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26	42220 - Natural Jack Pine	Sapling Medium	7.7	15	Immature	N/A	Stand harvested as Two Ridge Jack Pine (12-01-01). Sale completed 10/28/03. Some insect defoliation noted on JP stems. Some residual WP and PB. MO will be for both J and S/F. Jack pine seedling ranging from 5-15 foot tall. Some aspen in with the jack pine.																																	
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27	6125 - Lowland Black Spruce, Jack Pine	Poletimber Poor	13.5	57	1-50	N/A	Stand edges contain some merchantable spruce, tamarack, and jack pine. Bog timber is 10 - 35' heights, mainly tamarack and spruce.																																	
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28	42220 - Natural Jack Pine	Poletimber Well	17.0	43	51-80	N/A	Mixed species of tamarack, paper birch, red pine and balsam fir. Main cover type is jack pine. Part of t.sale #30-74A, cut in 1974-75.																																	
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<b>29</b>	6122 - Black Spruce	Sapling Medium	13.4	36	Unspecified	N/A	T. sale #26-81A, cut winter, 1982. Mainly spruce (clumps) and jack pine, with some WP, Tamarack, and residual RP present. Average heights are 15-30'. Low wet ground.																																				
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<b>30</b>	6122 - Black Spruce	Sapling Medium	19.3	36	51-80	N/A	T. sale #26-81A cut winter, 1982. Contains residual red and white pine, along with some cedar. Heavy rabbit tracks visible. S/F, A, W, T regeneration all noted.																																				
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<b>31</b>	42210 - Natural Red Pine	Sawtimber Medium	6.3	87	1-50	N/A	Narrow ridge of red pine with aspen regeneration; cut winter, 1982 under t. sale #26-81A. Wait for aspen to become marketable before treating again. Aspen is now 4-6" dbh and 30' tall																																				
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<b>32</b>	42210 - Natural Red Pine	Sawtimber Medium	4.0	87	51-80	N/A	Ridge of pine within lower S/Q type. Stand was treated under t. sale #26-81A, which was cut winter, 1982. Heavier to F and WP regeneration currently. Wait to treat with adjacent stands to increase feasibility.																																				
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<b>33</b>	6122 - Black Spruce	Poletimber Medium	4.1	98	51-80	N/A	Tall spruce, but small in diameter (4 - 8"). Some windthrow noted; wet ground. Some small BF in understory, as well as C, Wp and PB.																																				
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<b>34</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	34.8	89	51-80	N/A	Numerous fingers of low, wet ground (tagalder and sparse timber) with denser timber patches interspersed. Mixed spp noted includes: PB, RM, T, BF, WP. Part of stand is being treated to access stands in C115. Was OYOE to gain access.																																				
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<b>35</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	14.9	77	51-80	N/A	Stand has a lot of cedar in it which then transitions to spruce and white pine as you near the upland edges of the stand. Some tamarack present, also good component of spruce in understory.																																				
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36	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	9.9	93	81-110	N/A	White Pine within overstory with spruce and occasional cedar intermixed. White pine is weeviled. Good component of small balsam fir in understory, along with spruce - protect pockets for cover/diversity. South boundary is intermittent drainage which feeds into Sixteen Creek. Abundant rabbit tracks noted. May need to mark a few white pine to cut, otherwise, harvest only spruce. Will need to be winter cut, and this will be along the snowmobile trail. Stand early entry to access C115 to the south.																																																																	
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38	6139 - Mixed Lowland Forest	Poletimber Medium	4.5	93	1-50	N/A	Narrow road stand with over mature aspen, paper birch. W. side adjoins private lands, E. side drops off ridge into low type and Sixteen Creek. Stand may be best left for visual purposes (snowmobile trail influence) and BMP issues. If harvest is desirable, selectively harvest only trees which may create a hazard along roadway/trail, and treat with adjacent compartment (115) if prescribed. Mixed spp includes: C,T,J,WS. Some red maple within. WP is weeviled. Good mixed regeneration of C,BF,and S noted. Soils are Spot-Finch. 2001: stand 37																																																																	
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39	6118 - Lowland Deciduous with Cedar	Poletimber Medium	3.7	99	1-50	N/A	Clump Red maple with tag alder in understory. Wet ground - intermittent flow (open water noted in ditch during winter months).																																																																	
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40	42200 - Natural White Pine	Sawtimber Poor	8.6	99	1-50	N/A	Mainly large white pine which is flooding out from the nearby beaver pond. some trace species of pb, rm. Tag Alder understory.																																																																	
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42	500 - Water	Nonstocked	7.1		Unspecified	No	Drainage dammed up by beavers.																																																																	
43	629 - Mixed non-forested wetland	Nonstocked	27.0		Unspecified	No	Standing dead timber along edges of the stand, with marshy grass and mixture of leatherleaf and water throughout. Lowland shrub, marsh type.																																																																	
45	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	10.3	37	1-50	N/A	Included as part of t. sale # 025-81A; residual softwood left - stand is two-aged. Some flooding of timber. Regeneration includes W,PB and S/F 2-5" dbh. Soils are																																																																	
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47	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	51.2	55	51-80	N/A	Stand is mainly cedar and spruce with a concentration of red maple and birch around 2 ridges that run N/S through the stand. There are also some larger residual white pine left from previous cuts as well as some other residual older species. Stand was cut as part of T. sale cut in the early 60's (and also portion cut in the 70's and 80's - vague records). Also present in the stand is paper birch, aspen, tamarack, and some trace amount of red pine along edges of the ridges.																																
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48	42290 - Natural Mixed Pine	Sawtimber Well	29.9	102	81-110	N/A	Stand was cut in 1982 (t. sale #025-81A), removing all spp except pine. Some WP regeneration, but mostly A/B, S regeneration in understory (1" dbh and 20' hts). WP is fairly straight with clean boles, with ~ 10% dead tops or weeviled/forked. Quite a bit of rabbit tracks visible. Stand cut will eliminate a lot of the A/B and S regeneration (along ridgetops), as access through it will be difficult otherwise. Anticipating removal of some of this advanced regeneration, along with shelterwood cut, will hopefully encourage more natural WP regeneration. Following harvest and monitoring, if this does not occur, alternate methods of regenerating WP should be attempted (i.e. - burning, planting, seeding). Stand treatment could be delayed, if desired, due to lack of markets for sawlog species, or to continue to protect small A/PB and S regeneration until merchantable.																																
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49	6129 - Mixed Coniferous Lowland Forest	Sapling Medium	21.9	37	1-50	N/A	Part of t. sale #025-81A. Mixed species of spruce, tamarack, cedar, and white pine. Small diameters of all species. Ground seems to be fairly dry given the amount of white pine growing in low areas.																																
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51	42200 - Natural White Pine	Sawtimber Well	8.4	102	51-80	N/A	Narrow WP ridge - difficult to access stand, but is possible from stand via stand 48. Adjacent wet areas are expanding in some areas. .																																
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52	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	13.4	89	1-50	N/A	Stand has a mixed of small diameter stunted older timber consisting of red maple, spruce, tamarack, cedar and paper birch. Some larger white pine scattered around the edges of the stand. Stand has a considerable amount of water within it flooding the timber.																																
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53	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	5.6	61	51-80	N/A	Low wet ground with mixed conifers and some red maple and paper birch around the edges. Access would be difficult as would be harvesting it. Some larger white pine present as well.																																					
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54	500 - Water	Nonstocked	2.5		Unspecified	No	Water																																					
55	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	3.6	84	51-80	N/A	Mixed stand of red maple, paper birch, spruce, cedar, white pine and some aspen. Stand is adjacent to a beaver pond and flooding can be an issue. If stand is cut stand 57/58 should be cut with it. Survey Needed if prescribed.																																					
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56	6229 - Mixed lowland shrub	Nonstocked	17.6		Unspecified	No	Standing dead timber along edges of the stand, with marshy grass and mixture of leatherleaf and water throughout. Lowland shrub, marsh type, some cattails as you get closer to the south end of the stand.																																					
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57	6122 - Black Spruce	Poletimber Well	44.8	81	51-80	N/A	Stand is mainly spruce with some mixed hardwood throughout. Red maple, paper birch, along with cedar and white pine as well. Survey needed if prescribed.																																					
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58	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	40.8	84	51-80	N/A	Slight ridge in the middle of the swamp, stand consists of red maple, birch, spruce, cedar along edges and white scattered throughout. Access will be difficult.																																					
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59	500 - Water	Nonstocked	4.3		Unspecified	No	Standing dead timber along edges of the stand, with marshy grass and mixture of leatherleaf and water throughout.																																					



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60	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	6.5	70	1-50	N/A	Marsh/low - some tamarack, cedar. Old ice road runs through stand.																																					
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61	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	381.8	86	51-80	N/A	Large Q type with many old ice road throughout the stand. Stand has mainly spruce and cedar with some balsam fire, white pine, and some hemlock. Mixed hardwood present as well with red maple and paper birch and some aspen . Access would be easiest from Hunter's Trail via private property.																																					
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62	6122 - Black Spruce	Poletimber Well	16.0	86	51-80	N/A	Spruce stand with cedar, tamarack, white pine, and some mixed red maple and paper birch. Access would be through private, and survey would be needed.																																					
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63	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	82.6	84	81-110	N/A	Previous inventory indicated this stand is similar to adjacent compartment (113 - "Four Mile Birch" sale) in which sale could never be completed due to lack of/poor freezing conditions and hidden seeps/springs within. This may also be likely for this stand. Stand has high components of red maple and birch along with spruce and cedar in the lower more wet areas. A trace amount of larger white pine scattered throughout the stand as well. Access would be easiest through Hunter's Trail or try to access through state sale to the west in C113. Would cut this with 62 and 61.																																					
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64	6120 - Lowland Cedar	Poletimber Well	212.5	101	51-80	N/A	Stand is mainly cedar with spruce and mixed hardwood consisting of red maple, paper birch, aspen and some yellow birch. Some scattered white pine throughout as well. Ground in areas is lower and more wet than most place within the stand.																																					
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65	42350 - Upland Hemlock	Poletimber Well	23.5	102	81-110	N/A	Small ridge in the swamp which has a lot of pole/log hemlock with spruce, red maple, and cedar as well. Some balsam in the overstory, old stand comments said in 89' the overstory balsam was killed off by Budworm. Some old evidence still in the stand. Stand would be difficult to access. Would recommend leaving the stand be for now due to the hemlock characteristics it possesses.																																					
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<b>66</b>	6120 - Lowland Cedar	Poletimber Well	87.2	102	81-110	N/A	Mainly a cedar, spruce stand with red maple and paper birch throughout. Trace amount of white pine within the stand as well. Access is difficult into the stand and there are small seeps and drains within the stand. Old ice roads are evident from air photos and in the field. Pole/log sized timber.																																																
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<b>67</b>	429 - Mixed Upland Conifers	Sawtimber Well	26.7	111	81-110	N/A	Slight ridge within low ground - no access. Variable stand with WP concentrations, mixing with aspen, birch, maple patches and cedar/spruce on low edges.																																																
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<b>68</b>	6120 - Lowland Cedar	Poletimber Well	26.3	101	81-110	N/A	This stand is part of stand 66 but has more water from flooding. Mainly cedar and black spruce with some tamarack throughout. Timber is in decline due to flooding in the stand. Access would be extremely difficult.																																																
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<b>69</b>	6229 - Mixed lowland shrub	Nonstocked	23.3		Unspecified	No	Standing dead and alive timber throughout the stand, mostly small sub merchantable diameters some merchantable trees as well. Marshy grass and mixture of leatherleaf and water throughout. Lowland shrub, marsh type.																																																
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<b>70</b>	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	11.9	78	81-110	N/A	Slight ridge with red maple, birch, aspen, and black spruce. Some Sections of the ridge have larger white pine as well. Stand can be access via stand 48 across the low area. Would advise winter or dry summer to cross low spot.																																																
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<b>71</b>	500 - Water	Nonstocked	19.0		Unspecified	No	Water																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
<b>72</b>	6120 - Lowland Cedar	Poletimber Well	137.2	81	81-110	N/A	Areas of extremely saturated soils within; some E3/L also. Mainly cedar with mixed spps include: RM, Ash, BF, S, T and Aspen. Access is difficult.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Northern White Cedar		50	Pole	8	81	Red Maple		Low	Variable	Sapling
Paper Birch		10	Pole	7		Balsam Fir		Low	Variable	Sapling
Red Maple		15	Pole	7		Northern White Cedar		Low	10 - 20 feet	Sapling
Black Spruce		10	Pole	6		Paper Birch		Low	Variable	Sapling
<b>73</b>	429 - Mixed Upland Conifers	Sawtimber Well	11.8	102	51-80	N/A	Slight ridge within low ground - no access. Variable stand with WP concentrations, mixing with aspen, birch, maple patches and cedar/spruce on low edges.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
White Pine		50	Log/Pole	16	102	Red Maple		Low	Variable	Sapling
Red Maple		10	Pole/Log	9		Balsam Fir		Medium	5 - 10 feet	Sapling
Hemlock		10	Log/Pole	14		White Pine		Medium	Variable	Sapling
						Paper Birch	Low	Variable	Sapling	
<b>74</b>	6229 - Mixed lowland shrub	Nonstocked	7.6		Unspecified	No	Low wet marshy ground with some standing small diameter timber scattered throughout.			
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>						
Black Spruce		Low	Variable	Pole						
Tamarack		Low	Variable	Pole						