



# Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71005

Entry Year 2025

Acreage: 4,293

County Roscommon

Management Area: High Sand Plains

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**Stand Examiner:** Dakota Ewald

**Legal Description:**

T24N R04W Sections 19, 28, 29, 30, 31, 32, and 33.

**Identified Planning Goals:**

Maintain current cover types staggering age classes providing healthy forests for both natural and human uses.

**Soil and topography:**

Topography is level to slightly rolling in the North-East portion of the compartment, which is primarily uplands with some lowlands mixed in. The topography in the rest of the compartment is mostly level and hummocky, and primarily consists of swampy lowlands. Soils in the uplands areas of the compartment are primarily Rubicon Sands and in the lowland areas they are primarily Rifle Peat.

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

Ownership within the compartment is almost entirely state land, except for small portions in the North half of section 19, the North West quarter of section 20, and the North East quarter of section 28. Compartment is also mostly surrounded by state land except for small portions in the North-East and North-West corners of the section.

**Unique Natural Features:**

Most of the compartment falls within the Deadstream Swamp SCA, which is recognized as a national landmark. MNFI has also identified a Rich Conifer Swamp ERA, majority of which is found within this compartment. Additionally, a portion of the compartment also falls within an MNFI polygon for Calypso/Fairy Slipper.

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

There is an archeological site in the compartment.

**Special Management Designations or Considerations:**

A large portion of the compartment is within the Deadstream Swamp SCA.

**Watershed and Fisheries Considerations:**

Cole Creek flows through sections 30 and 31. Deer Farm Creek starts in section 29 and flows through sections 32 and 31.

**Wildlife Habitat Considerations:**

Compartment provides habitat for many different game species, such as whitetail deer, black bear, turkey, and grouse, as well as non-game species. Management considerations include treatments that will promote hard and soft mass producing species, provide young aspen stands for early successional dependent wildlife species, and maintain the rich conifer swamps for the late successional dependent wildlife species. Stand 33 also contains a managed wildlife opening that is maintained by Wildlife Division.

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

Surface sediments consist of peat and muck, glacial outwash sand and gravel, and post glacial alluvium. The glacial drift thickness varies between 00 and 00 feet. Beneath the glacial drift is the Mississippian Michigan Formation. The Michigan is quarried for gypsum in other areas of the state. Most of the good gravel pits are associated with upland areas. The nearest gravel pit is located over several miles away and potential appears to be limited. East Norwich Field is located two miles to the northwest. The field has produced over 15.9 million BO and 15.7 Bcf gas primarily from the Devonian Richfield Formation and is in secondary recovery operations currently. Most to all of sections 19, 28, 29, 30, 31, 32, and 33 had leases on them in the past but have since been closed out.

**Vehicle Access:**

Vehicle access to most of the compartment is limited, especially in the West end. In the East access can be gained through Deadstream Rd, Higgins Lake Rd, West Pine Drive, County Road 104, Snowmobile trail LP 6/7, and several forest two-tracks.

**Survey Needs:**

None at this time.

**Recreational Facilities and Opportunities:**

Snowmobile Trail LP 6/7 runs through the compartment, connecting Grayling to Houghton Lake. Several smaller ORV trails also run through the compartment near and adjacent to LP 6/7. A ORV/Snowmobile parking lot can also be found on the North side of West Pine Drive within the compartment. The compartment also receives heavy recreational deer, bear, and turkey hunting.

**Fire Protection:**

The compartment is mostly wet conifer swamps with poor access for fire suppression, especially in the Western half.

**Additional Compartment Information:**

Compartments were reorganized since last entry. This compartment consists of old compartments 24, 26, and 27.

**The following reports from the Inventory are attached:**

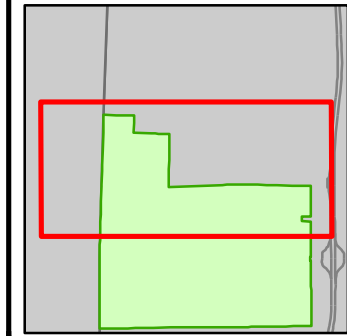
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

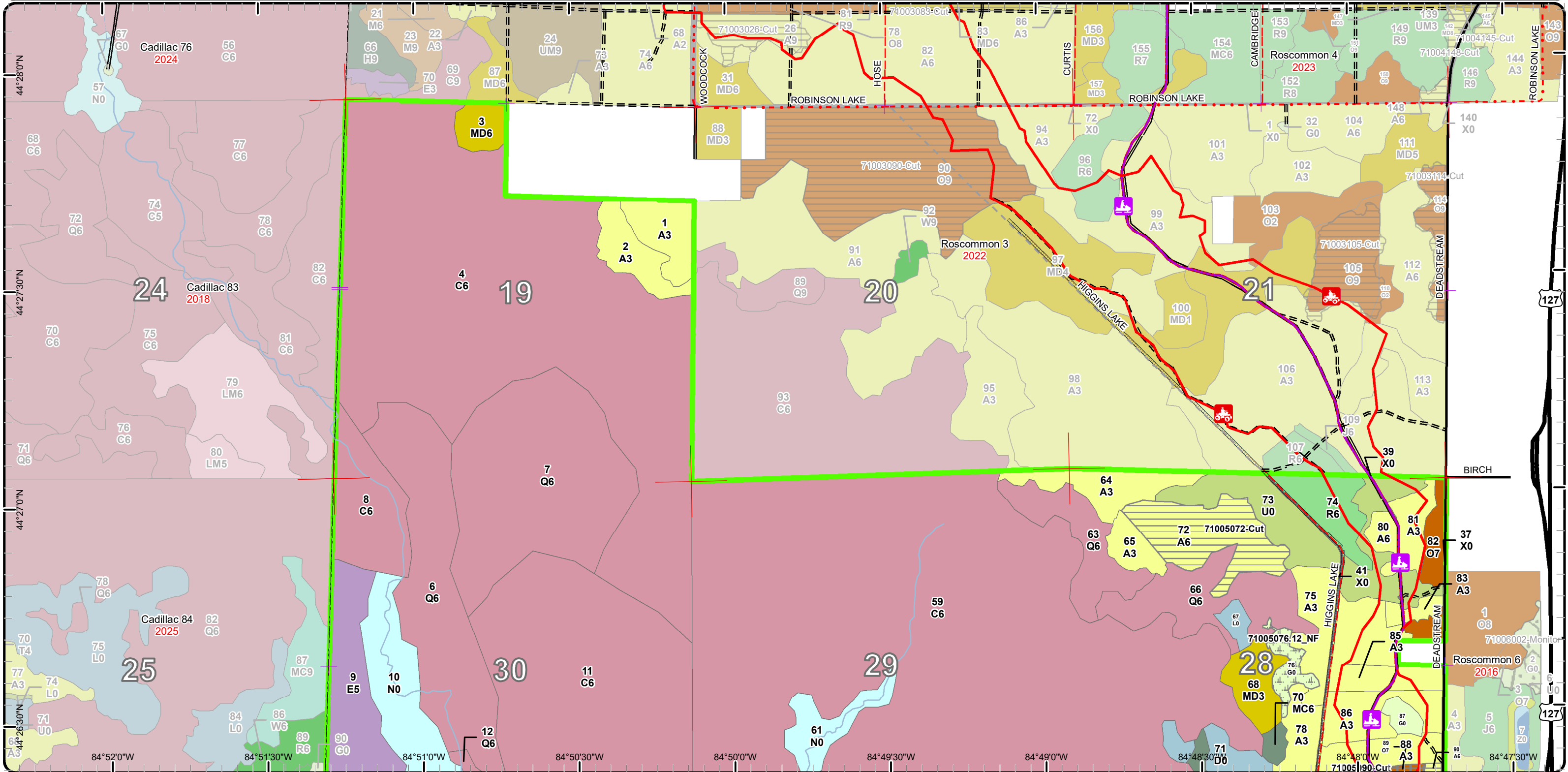
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 5  
 T24N-R04W Sec. 19,28-33  
 County: Roscommon  
 Unit: Roscommon  
 Mgmt Area: High Sand Plains  
 YOE: 2025  
 Acres: 4292.6 GIS Calculated  
 Examiner: Dakota Ewald  
 Map Revised: 6/27/2023  
 Map Phase: Web-Post



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- ORV Trails
- Snowmobile Trails
- Designated ATV Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 622 - Lowland Shrub
- 623 - Emergent Wetland

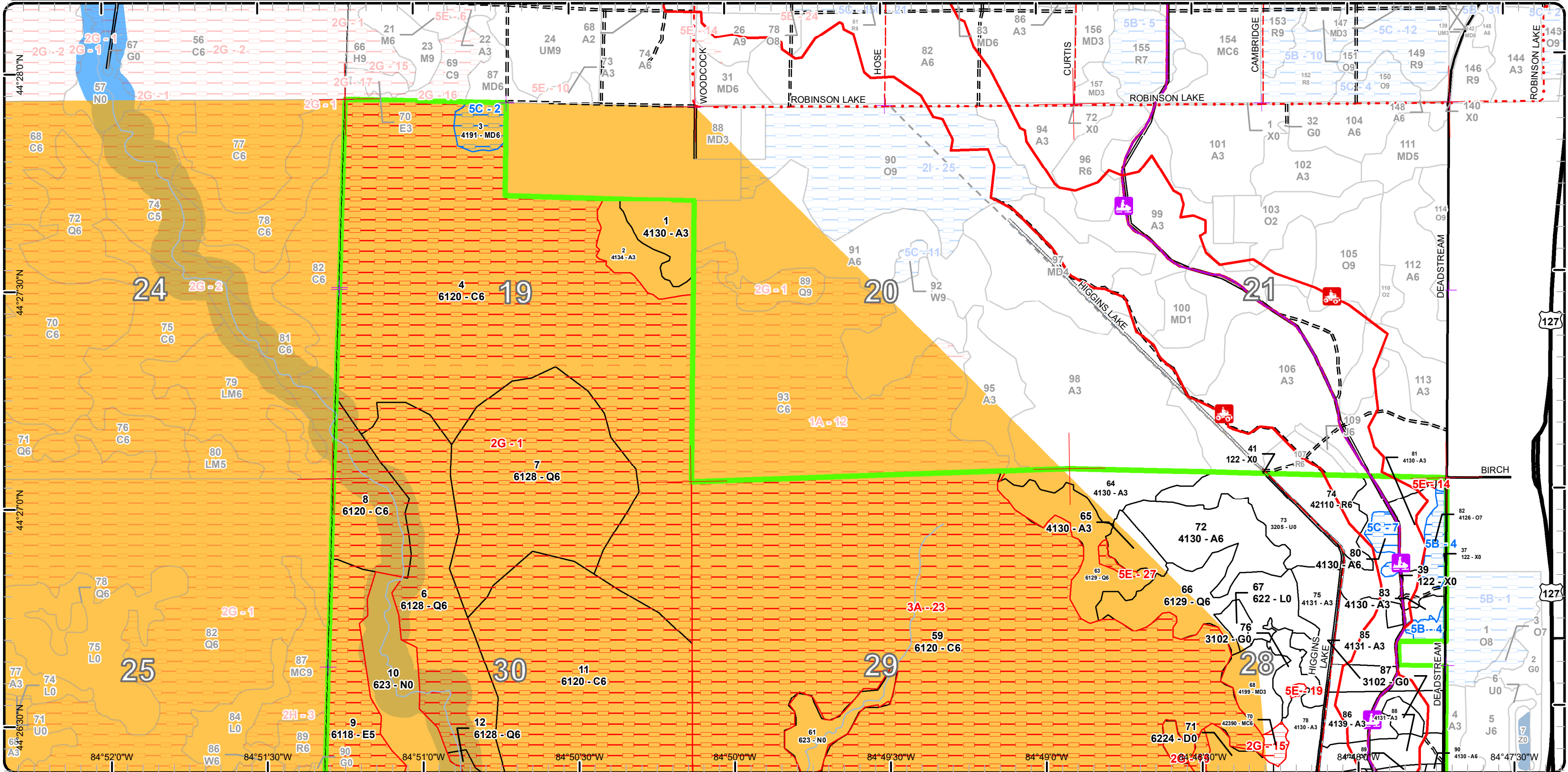


# Special Conservation Areas

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- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Non-Dedicated Natural Areas and National Natural Landmarks
- High Priority Trout Stream Buffer

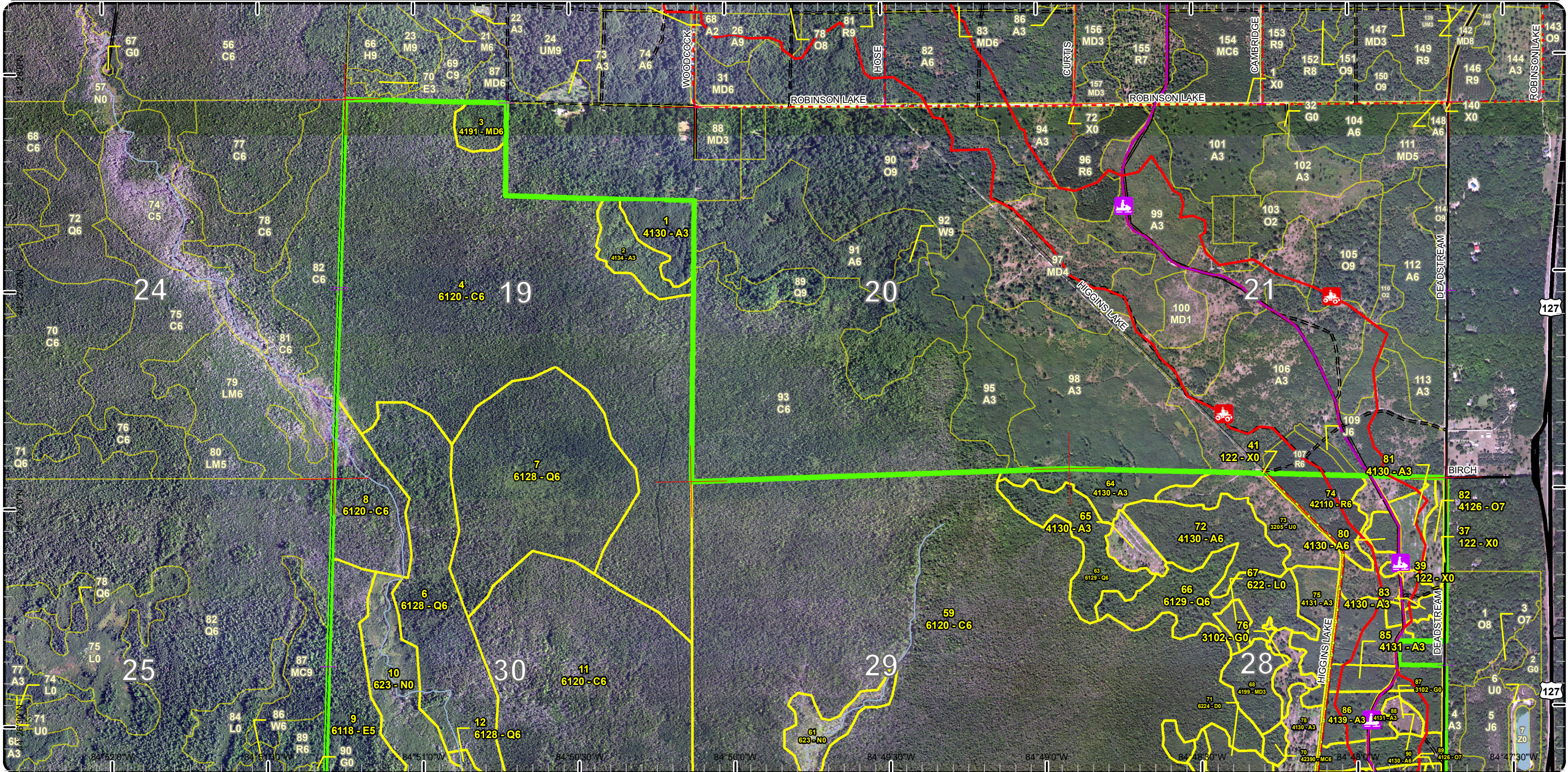


# Stand Boundary Map

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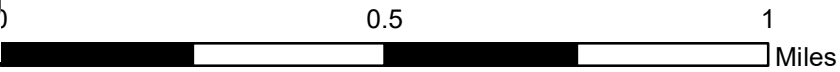
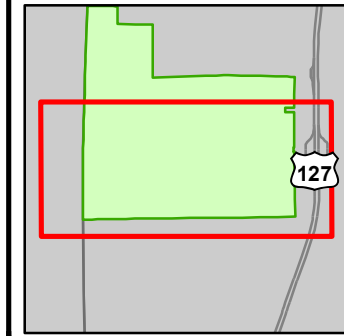


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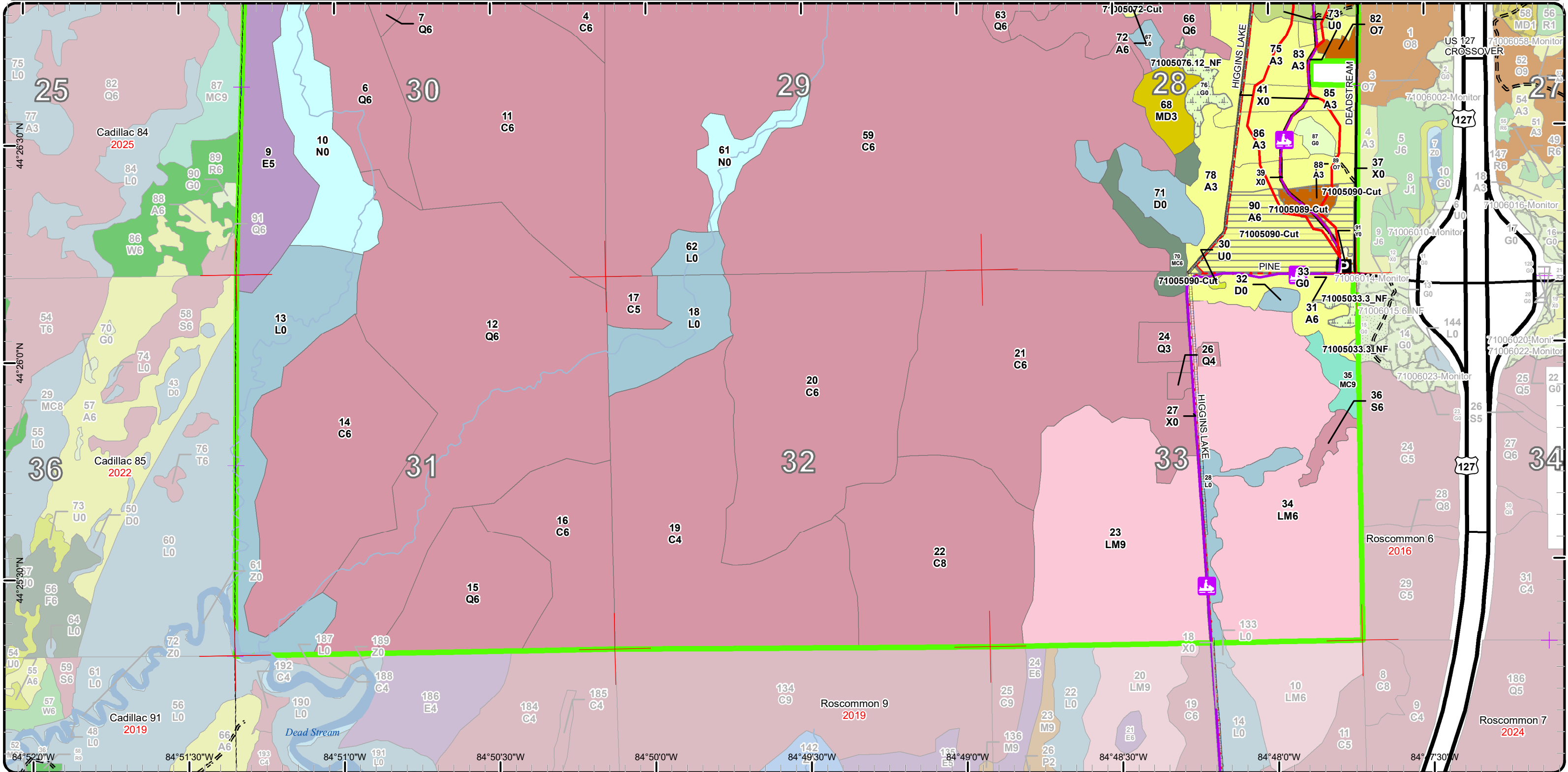


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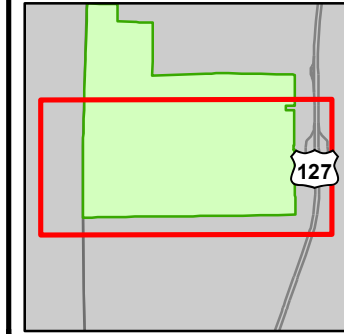


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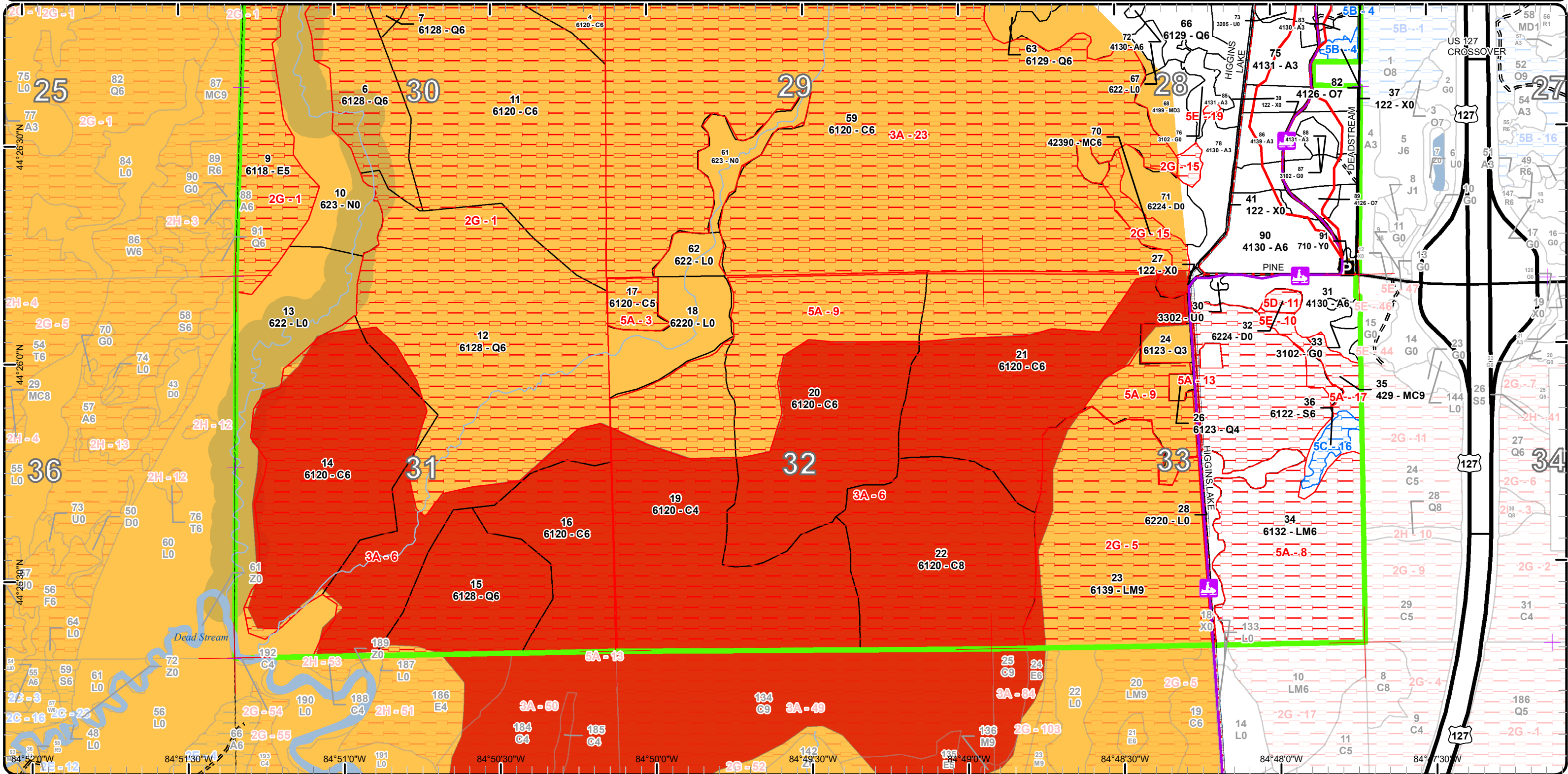


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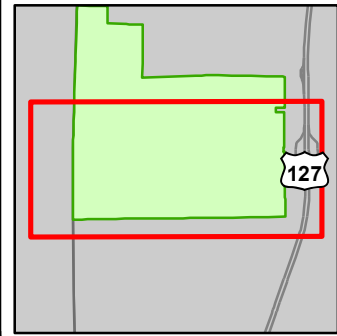


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- Available w/ Constraints
- Unavailable
- 5A: Not able to obtain desirable regeneration
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Forest Habitat Core Interior
- Cold Water Streams
- Cold Water Lakes
- Non-Dedicated Natural Areas and National Natural Landmarks
- High Priority Trout Stream Buffer
- 5B: Maintain for regeneration purposes
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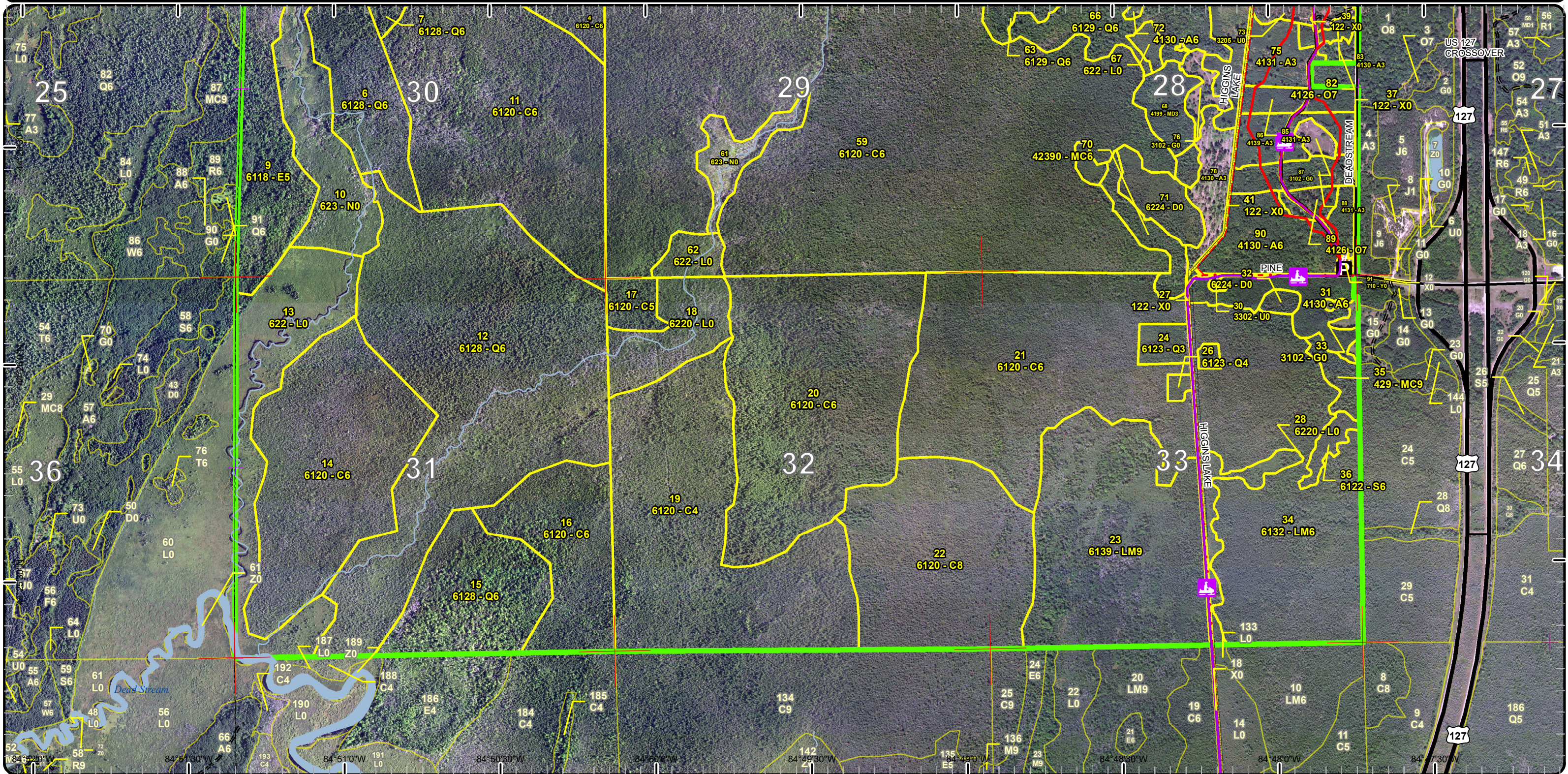


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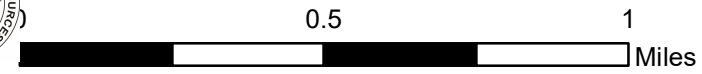
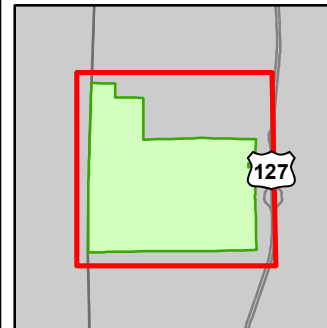


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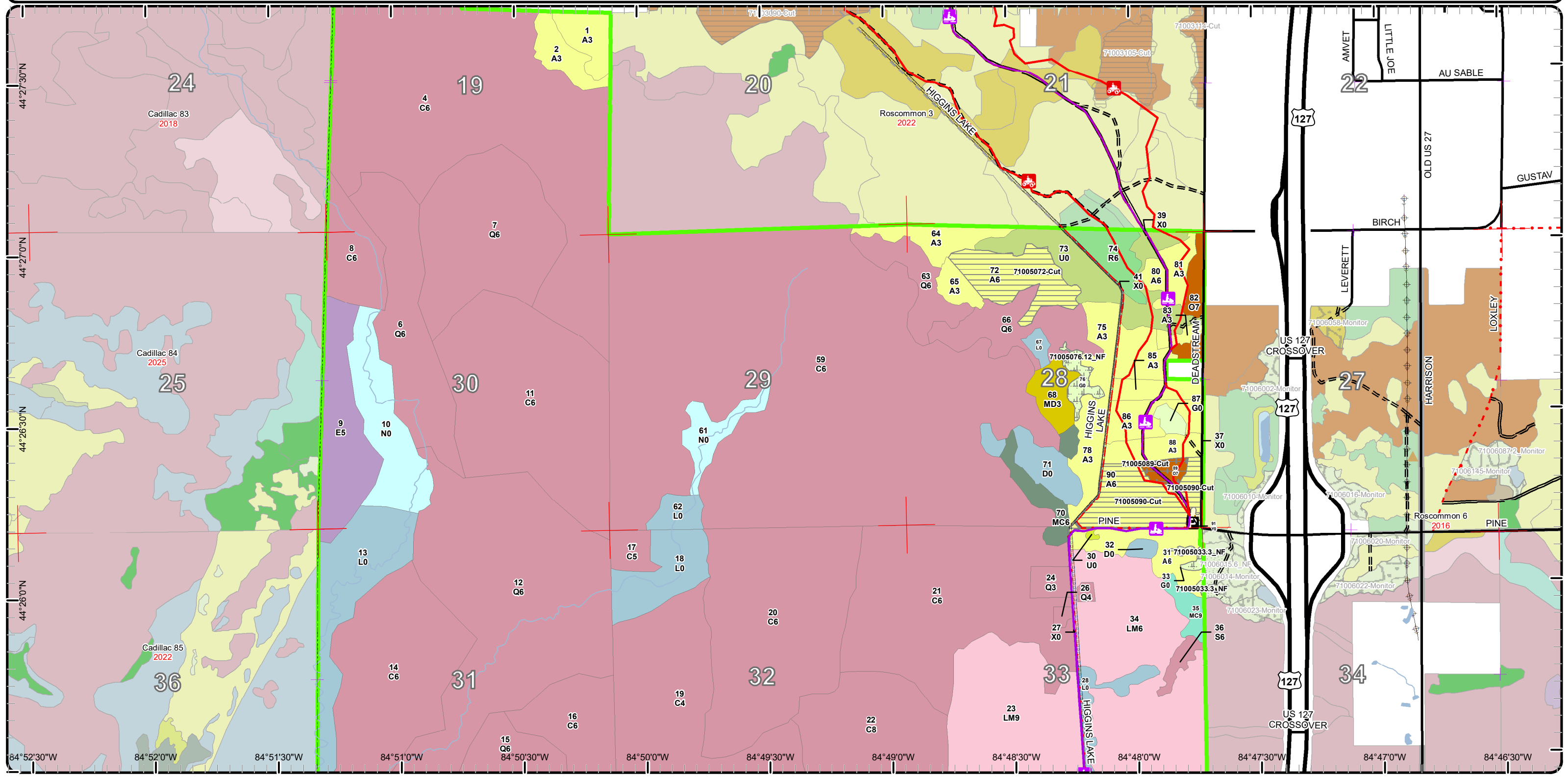




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Report 1 – Total Acres by Cover Type and Age Class



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	40	36	78	34	27	6	81	0	0	0	0	0	0	0	0	0	0	302
Cedar	0	0	0	0	0	0	0	0	0	0	453	212	856	892	0	0	0	0	2413
Herbaceous Openland	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Low-Density Trees	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Conifers	0	0	0	0	9	5	0	0	0	0	0	611	0	0	0	0	0	76	701
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	66	0	0	0	0	0	66
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	162	195	0	0	0	0	0	357
Lowland Shrub	162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	162
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	7
Marsh	78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78
Mixed Upland Deciduous	0	0	0	0	17	0	0	10	0	0	0	0	0	0	0	0	0	0	27
Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	19
Red Pine	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Treed Bog	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	10	0	19	0	0	0	0	28
Upland Shrub	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
<b>Total</b>	<b>354</b>	<b>40</b>	<b>36</b>	<b>78</b>	<b>80</b>	<b>32</b>	<b>6</b>	<b>91</b>	<b>0</b>	<b>0</b>	<b>453</b>	<b>1002</b>	<b>1117</b>	<b>930</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76</b>	<b>4293</b>



## Report 2 – Treatment Summary

Roscommon Mgt. Unit  
Year of Entry: 2025

Acres of Harvest

Compartment 5  
Total Compartment Acres: 4,293

Commercial Harvest - 88  
Harvests with Site Condition - 0  
Next Step Harvest - 0  
Habitat Cut - 0

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	81	0	0	0	0	0	0	0	0	81
Oak	0	0	0	0	0	7	0	0	0	7
<b>Total</b>	<b>81</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>88</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	88	0	0	0	0	0	0	12	0	99
Next Step	0	0	0	0	0	88	0	4	0	91
<b>Total</b>	<b>88</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>88</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>191</b>



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

**Proposed Treatments:**

<b>72</b>	<b>71005072-Cut</b>	37.9	4130 - Aspen	Poletimber Well	60	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Focus retention around wet areas. Protect all legacy pine and oak. Add snag spec, oak wilt spec, and drumming log spec.</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> Moderately to fully stocked aspen with a mix of oak, cherry, and pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
<b>89</b>	<b>71005089-Cut</b>	6.6	4126 - White, Black, N. Pin Oak	Sawtimber Poor	120	1-50	Harvest	Overstory Removal	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Overstory removal, no retention due to acreage. Protect all legacy trees. Add snag spec, oak wilt spec, snowmobile/ORV trail specs, and regen protection spec.</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> Moderately to fully stocked MUD stand that is a mix of black/red oak, white oak, and Red maple.</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 /2024</p>											
<b>90</b>	<b>71005090-Cut</b>	43.1	4130 - Aspen	Poletimber Well	60	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Focus retention around wet pockets and to break up visual for recreation trail. Protect all legacy trees. Add drumming log spec, snag spec, oak wilt spec, and snowmobile/ORV trail specs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Moderately to fully stocked aspen stand with a mix of black/red oak, red maple, cherry, and fir.</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 /2024</p>											

**Approved Treatments:**

<b>33</b>	<b>71005033.3_N F</b>	3.6	3102 - Grass	Nonstocked			NonForestMgt	Other - Specify	3102 - Grass		No
<p><u>Prescription</u> Maintenance such as mowing to be done by Wildlife Division.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Mowing</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></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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Site Condition

Proposed Start Date: 10/1 /2015

76	71005076.12_ NF	8.2	3102 - Grass	Nonstocked			NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
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Prescription wildlife opening maintenance as specified by WLD

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 12/30/1899

**Total Treatment** 99.4  
**Acreage Proposed:**

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Dakota Ewald : Examiner

Compartment: 5  
Year of Entry: 2025

### Availability for Management

Total Acres	Acres Available	Acres <i>Acres Avail With Condition</i>	Acres Not Available
302	294	6	1

### Dominant Site Conditions

	Total Acres	Acres Available	Acres <i>Acres Avail With Condition</i>	Acres Not Available	Dominant Site Condition	Dominant Site Conditions						
						5B	5C	2G	3A	5A	5D	5E
302	294	6	1		Aspen		6		0	0	0	1
2412	13	0	2400		Cedar		0	667	1,516	217		
16	16	0	0		Herbaceous Openland							
1	1	0	0		Low-Density Trees							
701	88	0	614		Lowland Conifers			469	143	0		2
66	0	0	66		Lowland Deciduous			66				
357	7	0	350		Lowland Mixed Forest			161	0	181	0	7
162	161	0	1		Lowland Shrub				0	0		
7	0	7	0		Lowland Spruce/Fir		7			0		
78	78	0	1		Marsh			0	1			
27	17	10	0		Mixed Upland Deciduous		10	0	0			
18	7	11	1		Oak	11						1
20	20	0	0		Red Pine							
1	1	0	0		Sand, Soil							
27	23	0	4		Treed Bog			0	0		4	0
28	0	0	28		Upland Conifers			18	0	9		0
52	52	0	0		Upland Shrub							0
16	16	0	0		Urban					0		0
4,293	793	34	3,465		Total Forested Acres	11	23	1,381	1,661	408	4	11
	18%	1%	81%		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	2G: Too wet (sensitive soils, does not include access issues)	1,202	3G: Other Influence zones - See comments	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Deadstream Swamp							

## Report 4 – Site Conditions

Roscommon Mgt. Unit

Dakota Ewald : Examiner

Compartment: 5

Year of Entry: 2025

2	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Allow stand to put on growth							
3	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	12	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Overmature Oak overstory is starting to die out. Allow this to happen to release existing advanced regen.							
5	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	161	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	910	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Rich Conifer Swamp - Dead Stream Swamp ERA							
7	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Roscommon Mgt. Unit  
Dakota Ewald : Examiner

Compartment: 5  
Year of Entry: 2025

8	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	180	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	206	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	8	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	4	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Roscommon Mgt. Unit

Dakota Ewald : Examiner

Compartment: 5

Year of Entry: 2025

15	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand is mostly pole sized, allow to grow into log size class.							
17	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Stand could be cut but would likely come back to red maple instead of mixed conifer.							
19	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	751	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> SCA deadstream swamp - national natural landmark							
27	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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

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**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	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																	
1	4130 - Aspen	Sapling Well	18.5	28	141-170	N/A	Young aspen stand that is coming into the pole size class. There is also a small amount of Red maple, cherry, and hybrid oak. Understory is open, with small amounts of red maple and cherry.																																																																	
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2	4134 - Aspen, Spruce/Fir	Sapling Well	17.5	28	Immature	N/A	Mix of young aspen with red maple, balsam, and a few oaks. Lower ground than the aspen stand to the north and terrain is very hummocky.																																																																	
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3	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	10.3	60	111-140	N/A	Mixed species stand that is a mix of upland with lowland. Species composition is heavy to red maple and aspen, with a mix of fir, spruce, oak, birch, hemlock, and cedar. Stand is mostly pole sized, with most of the cedar and hemlock being log and xlog size. Understory is mostly open with some heavier pockets in more open areas. Regen is a mix of maple, fir, oak, and tag alder where it is more wet.  Old Comment: Mix of aspen, balsam, spruce, and red maple. Scattered, hemlock, white pine, and red pine, and oak. Transitions zone between upland and cedar swamp, parts are wet with tag alder, should hold okay with higher water table that is present, cut with stand to the north next time to make a larger treatment area so deer browse next to the swamp isn't a factor																																																																	
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4	6120 - Lowland Cedar	Poletimber Well	418.3	115	141-170	N/A	Very large lowland cedar stand that is a part of the Deadstream Swamp complex. Stamp is pretty dense with BA averaging around 150 to 160. Ground is very hummocky and wet. Old Comment: Dead Stream Swamp, interior areas are more black spruce, higher/drier edges have scattered white pine and hemlock - HCVA/SCA																																																																	
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6	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	99.2	104	51-80	N/A	Dead Stream Swamp. Unvisited during 2025 YOY due to difficult access. Remote called using aerial imagery and data from previous inventory.  Old Comment: Bench that sits slightly higher than surroundings and supports some red maple and white pine.																																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
7	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	133.8	104	51-80	N/A	Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access. Remote called using aerial imagery and data from previous inventory.  Old Comment: See early photos from 1938. This stand and stand 309 are probably from a fire in the early 30's. There was also a network of roads on those photos that could be from some logging prior to it burning.
8	6120 - Lowland Cedar	Poletimber Well	41.0	96	81-110	N/A	Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access.  Old Comment: Records indicate that there was a old trappers cabin near the section corner in this stand. The good imagery shows an opening just over the line into the Cadillac Unit. Never found the cabin or got to this stand in 2015 YOE.
9	6118 - Lowland Deciduous with Cedar	Poletimber Medium	66.2	113	51-80	N/A	Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access. Remote called using aerial imagery and data from previous inventory.
10	623 - Emergent Wetland	Nonstocked	58.5			No	Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access. Remote called using aerial imagery and data from previous inventory.
11	6120 - Lowland Cedar	Poletimber Well	204.8	94	81-110	N/A	Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access. Remote called using aerial imagery and data from previous inventory.
12	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	304.5	104	51-80	N/A	Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access. Remote called using aerial imagery and data from previous inventory.  Old Comment: See early photos from 1938. This stand and stand 111 are probably from a fire in the early 30's. There was also a network of roads on those photos that could be from some logging prior to it burning.
13	622 - Lowland Shrub	Nonstocked	90.5			No	Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access. Remote called using aerial imagery and data from previous inventory.
14	6120 - Lowland Cedar	Poletimber Well	154.3	113	81-110	N/A	Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access. Remote called using aerial imagery and data from previous inventory.
15	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	73.9	104	81-110	N/A	Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access. Remote called using aerial imagery and data from previous inventory.  Old Comment: Imagery implies heavier deciduous canopy in this stand especially the southern portions
16	6120 - Lowland Cedar	Poletimber Well	73.6	113	81-110	N/A	Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access. Remote called using aerial imagery and data from previous inventory.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
17	6120 - Lowland Cedar	Poletimber Medium	12.3	104		N/A	<p>Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access. Remote called using aerial imagery and data from previous inventory.</p> <p>Old Comment: Poor quality cedar stand with no regeneration of it. The ash component is dead. This stand is the tip of a stand to the west in C24.</p>																																	
18	6220 - Alder/willow	Nonstocked	39.7			No	<p>Dead Stream Swamp. Unvisited during 2025 YOE due to difficult access. Remote called using aerial imagery and data from previous inventory.</p>																																	
19	6120 - Lowland Cedar	Poletimber Poor	206.9	91	1-50	N/A	<p>Stand was not visited during 2025 YOE due to poor access across lowlands. Previous inventory indicates that stand is low quality cedar with a mix of black spruce and red maple.</p> <p>Old Comment: Poor quality cedar with no regeneration. Ash dead with only some regeneration of it. Areas of decent maple regeneration with some areas exclusively tag alder. No way to get to too harvest if wanted too.</p>																																	
20	6120 - Lowland Cedar	Poletimber Well	199.9	109	81-110	N/A	<p>Stand was not visited during 2025 YOE due to difficult access across lowlands. Previous inventory indicates that stand is a mix of cedar and birch with a mix of black spruce, red maple, and balsam fir. Understory consists of balsam fir and tag alder, with a mix of red maple, paper birch, and black spruce.</p> <p>Old Comment: More open areas with more species found in the overstory such as red maple and spruce. Larger spruce found here. The cedar quality not as good as stand to the east. Maybe stand elevation is lower. More tag alder present. Hard to access to harvest with the loss of the cedar component completely based on the heavy deer sign, treatment should not be done.</p>																																	
21	6120 - Lowland Cedar	Poletimber Well	209.4	115	171-200	N/A	<p>Lowland cedar stand with a mix of spruce and birch. Stand is a mix of poles and logs, with a BA averaging around 180. There is a moderate amount of fir regen in the understory, but not much else. Stand is very wet and would be inoperable. Old Comment: Decent cedar stand, some large log sizes but mostly poles. No regeneration of cedar, Only regeneration is ash and fir. Heavy deer and rabbit sign. Browsing everything but the ash and balsam fir. Do not harvest, won't regenerate and will lose cedar completely.</p>																																	
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22	6120 - Lowland Cedar	Sawtimber Medium	141.3	125	81-110	N/A	<p>Stand was not visited during 2025 YOE due to difficult access across lowlands. Previous inventory indicates that stand is dominated by log sized cedar with a mix of red maple and paper birch. Understory consists of tag alder, balsam fir, and some ash.</p> <p>Old comment: Larger cedar in the log class, but still low quality. Ash is all dead in the stand. No cedar regeneration but some balsam fir and ash. Not sure how long the ash will survive till bore hits again. Site is wet, no access, and no regeneration of it. Couple this will deer numbers in the area would lose the component all together after harvest. Would never regenerate it. Leave stand as is.</p>																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
23	6139 - Mixed Lowland Forest	Sawtimber Well	161.8	105	81-110	N/A	Very diverse stand of spruce, birch, fir, and red maple. Stand is a mix of lowlands and some uplands. Stand is a mix of poles and logs. Understory is also pretty diverse with areas heavy to tag alder and areas with a mix of fir, red maple, and spruce. Old Comment: This stand is so diverse and intermixed that it would be very hard to delineate it out into separate stand with all the transition zones involved. It is mainly two types, black spruce and paper birch. The birch is found on the slightly higher mounds with trace amounts of aspen and maple. The regeneration is mainly red maple but limited. Most of the sub-canopy is tag alder. These mounds grade down into the spruce with some balsam fir. More regeneration of spruce and fir in the sub-canopy but still quite a bit of tag. The most practical way to treat it as a whole stand but this would not be the best to regenerate the birch. Recommend breaking the stand into at least four strips and cut alternating strips allowing the wind to disperse birch seeds from untreated strips into the open strips. The soils have a high water table and doubt if could harvest in a dry summer. This leaves a winter harvest as optimal but access is down a seasonal county road that is used as a snowmobile trail. Put half of stand up for a harvest, "Kenny's Haze". It did not sell and was not picked up because producers felt was too wet to do so terminated treatment.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	41	Pole/Log	8		Balsam Fir	Medium		Variable	Sapling
Red Maple	2	Pole/Log	8		Black Spruce	Medium		Variable	Sapling
Balsam Fir	6	Pole	6		Red Maple	Low		Variable	Sapling
Black Spruce	51	Log/Pole	10	105	Tag Alder	High		Variable	Tall Shrub
24	6123 - Lowland Fir	Sapling Well	8.9	35	1-50	N/A	Dense lowland fir stand with a mix of Aspen, spruce, birch, and cedar. Stand with strip cut in 1988, but is still immature. BA had to set to 1-50 but 90% of stand is still sapling sized. Aspen tends to be focused in small pockets throughout the stand. Old Comment: Strip cut done in 1988. Heavier to fir just still not quite out of the sapling class. Some large trees were left in the strips but not enough to impact. Pockets of aspen scattered amongst fir/spruce. Just a mix of everything at this point.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	2	Sapling/Pole	4		Black Spruce	Medium		Variable	Sapling
Quaking Aspen	25	Sapling/Pole	4		Balsam Fir	High		Variable	Sapling
Northern White Cedar	5	Pole	7		Tag Alder	Medium		Variable	Tall Shrub
Black Spruce	15	Sapling/Pole	4		Red Maple	Low		Variable	Sapling
Balsam Fir	53	Sapling/Pole	4	35	Quaking Aspen	Medium	Variable	Sapling	
26	6123 - Lowland Fir	Poletimber Poor	4.7	46	81-110	N/A	Two-part Lowland conifer stand that consists mainly of balsam fir that is pole sized. There is also some overstory white cedar in the Western part that is log sized, but it is starting to die out. The Eastern part also has a component that the West portion is lacking. Both parts of the stand was strip cut in 1977. Both parts of this stand differ enough to be separated, but cannot be due to their small size. Old Comment: Strip cut done in 1977. The balsam is larger here with the sub-canopy being fir with trace of birch and spruce.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	5	Sapling/Pole	4		Tag Alder	Medium		Variable	Tall Shrub
Paper Birch	5	Sapling/Pole	4		Balsam Fir	High		Variable	Sapling
Northern White Cedar	15	Log/XLog	13						
Quaking Aspen	15	Pole/Sapling	5						
Balsam Fir	60	Pole/Sapling	6	46					
27	122 - Road/Parking Lot	Nonstocked	5.4		Unspecified	No	Higgins Lake Road		
28	6220 - Alder/willow	Nonstocked	15.5			No			
Sub-Canopy Species	Density	Avg. Height	Size						
Tag Alder	Medium	5 - 10 feet	Tall Shrub						
Northern White Cedar	Low	>20 feet	Pole						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
30	3302 - Low Density Conifer Trees	Nonstocked	0.8		Immature	No	This is a past RDR site that was guard railed off to prevent ORV traffic in it. It was then planted with red pine in the areas not naturally vegetating. Stand also has quite a bit of open areas.			
				<b>Sub-Canopy Species</b>		<b>Density</b>		<b>Avg. Height</b>	<b>Size</b>	
				Red Pine		High		10 - 20 feet	Seeding	
				Northern Pin Oak		Low		10 - 20 feet	Sapling	
31	4130 - Aspen	Poletimber Well	26.9	45	141-170	N/A	Aspen stand that is mainly small pole sized. There are also a small amount of aspen that are sapling sized and in the small end of the log size class. Stand also has a mix of red maple, black cherry, balsam fir, and hybrid oak. Old Comment: Harvested in 1978. Aspen clearcut that came back fairly well. There is still some aspen in the sub-canopy but most is either oak or maple. Large aspen is found on the eastern end. Evaluate in another ten years to determine if want to treat then.			
				<b>Canopy Species</b>		<b>% Cover</b>		<b>Size Class</b>	<b>DBH</b>	<b>Age</b>
				Quaking Aspen		82		Pole/Sap/Log	7	45
				Northern Pin Oak		2		Log/Pole	10	
				Balsam Fir		3		Pole	6	
				Red Maple		8		Pole/Sapling	6	
				Black Cherry		5		Pole/Sapling	6	
				<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
				Red Maple		Low	5 - 10 feet	Sapling		
				Northern Pin Oak		Medium	5 - 10 feet	Sapling		
				Quaking Aspen		Medium	>20 feet	Sapling		
32	6224 - Treed Bog	Nonstocked	3.7			No	Treed bog with black spruce scattered throughout.			
				<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
				Black Spruce		Medium	>20 feet	Pole		
33	3102 - Grass	Nonstocked	3.7			Managed Opening	Maintained grass opening by wildlife division.			
34	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	194.7	115	81-110	N/A	Lowland Spruce and cedar stand with some red maple and birch. Understory is heavy in some places to tag alder and fir in others. Stand is also very wet in some places and is a part of the Deadstream Swamp. Old Comment: Cedar stand with a heavy component of deciduous trees primarily with paper birch with some red maple and traces of aspen. No cedar regeneration but thick balsam fir and little to nothing else. Heavy deer sign but not much sign of browsing on the fir. Three acre pure spruce pocket about half way down the west line. Fear would lose the cedar component if treat because the deer population in the area would not allow needed regeneration of it.			
				<b>Canopy Species</b>		<b>% Cover</b>		<b>Size Class</b>	<b>DBH</b>	<b>Age</b>
				Paper Birch		38		Pole	7	
				Red Maple		5		Pole	8	
				Northern White Cedar		57		Pole/Log	9	115
				<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
				Tag Alder		Low	5 - 10 feet	Tall Shrub		
				Paper Birch		Full	Variable	Sapling		
35	429 - Mixed Upland Conifers	Sawtimber Well	9.6	105	81-110	N/A	Mixed conifer stand that is a bit more upland. Stand is a mix of black spruce, white pine, red maple, and Quaking Aspen. Trees are a mix of logs and poles with varying ages but the average is around 105. Understory has moderate regen consisting mainly of Red maple, with a mix of black spruce, white pine, and hybrid oak. Old Comment: More upland spruce stand with a heavier component of red maple. More spruce at the east end. Brachen fern ground cover. Regeneration is heaviest under the same typed overstory. Large percentage of spruce was suppressed for years before reaching overstory. The spruce and maple in the overstory are past maturity. Good regeneration of both types in sub-canopy. Harvest stand to not suppress the current regeneration coming in. The harvest must be done in the winter due to the only access is through a maintained wildlife opening.			
				<b>Canopy Species</b>		<b>% Cover</b>		<b>Size Class</b>	<b>DBH</b>	<b>Age</b>
				Red Maple		24		Log/Pole	10	
				Black Spruce		44		Pole/Log/Sap	8	105
				White Pine		28		XLog	20	
				Quaking Aspen		4		Pole	8	
				<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
				White Pine		Low	Variable	Sapling		
				Red Maple		High	Variable	Sapling		
				Black Spruce		Medium	Variable	Sapling		
				Northern Pin Oak		Low	Variable	Sapling		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
<b>36</b>	6122 - Black Spruce	Poletimber Well	6.8	105	141-170	N/A	Slightly more upland spruce stand. Similar to stand 35 to the north but this stand is mainly pole sized with very few log sized trees. This stand is also much heavier to spruce. Old Comment: Lower elevation stand of spruce compared to the spruce stand to the north. Close in age but size here have hardly any sawlog sizes and almost entire canopy is spruce. Some red maple but light even in understory. Would do alright with harvest. Cut with stand to the north because of lower ground to south. Will need to access through a maintained wildlife opening. Harvest between December 01 and March 31.																																										
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<b>37</b>	122 - Road/Parking Lot	Nonstocked	4.3	0		No	Stand contains Dead Stream Rd																																										
<b>39</b>	122 - Road/Parking Lot	Nonstocked	3.0			No	Snowmobile/ORV Trail																																										
<b>41</b>	122 - Road/Parking Lot	Nonstocked	3.5	0		No	Higgins Lake Rd																																										
<b>59</b>	6120 - Lowland Cedar	Poletimber Well	750.7	120	201+	N/A	East edge of Deadstream Swamp - SCA/HCV A																																										
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<b>61</b>	623 - Emergent Wetland	Nonstocked	19.9			No	Dead Stream Swamp. Unvisited during 2025 YO E due to difficult access. Remote called using aerial imagery and data from previous inventory.																																										
<b>62</b>	622 - Lowland Shrub	Nonstocked	11.7			No	Dead Stream Swamp. Unvisited during 2025 YO E due to difficult access. Remote called using aerial imagery and data from previous inventory.																																										
<b>63</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	30.9	110	201+	N/A	Mixed conifer stand that is on hummocky ground. Stand is a mix of black spruce, hemlock, white cedar, white pine, jack pine, and red maple. Stand isn't consistent throughout, with individual areas heavier to spruce and hemlock. Much of stand is wet and access would be difficult even in frozen conditions. Old Comment: hummocky but somewhat operable if access can be gained across wetter drainage/potholes with tag alder which are scattered thru-out the stand. some parts are heavier to hardwoods (mostly RM), other parts are heavy to Hemlock, jack pine, and/or NWC,																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>64</b>	4130 - Aspen	Sapling Well	21.9	20	Immature	N/A	Young Aspen stand with a mix of oak, cherry, and white pine. Stand is high to moderate stocking with some more open areas. There are also some small inclusions of mature white pine, as well as hemlock focused along the railroad grade. Old Comment: nice TA regeneration cut with stand to the north in 71025, regenerated in 2003, 2 small inclusions of WP SL in west end of stand, west of the RR grade/pipeline the stand is sparser with Hemlock poles scattered along the RR grade	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
White Pine		5	Sapling	1				
Pin Cherry		6	Sapling	1				
Black/Red (Hybrid) Oak		6	Sapling	1				
Quaking Aspen		83	Sapling	1	20			
<b>65</b>	4130 - Aspen	Sapling Well	9.5	7	Immature	N/A	Young Aspen stand that was cut in May 2016. Stand is fully to moderately stocked, with open pockets here and there. Ground is humocyt and likely seasonally wet.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Pin Cherry		5	Sapling	1				
Red Maple		20	Sapling	1				
Quaking Aspen		75	Sapling	1	7			
<b>66</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	45.4	120	201+	N/A	Mixed conifer stand with xlog super canopy white pine and smaller log sized hemlock, red maple, and cedar. There is little to no development in the understory, with low amounts of maple and fir. BA is very high due to stem size, averaging around 200+.  Old Comment: nice W9 stand which varies from W6 to true W9 to Q6/9, scattered areas heavy to hemlock and/or XL WP which is 26+ inches dbh and or C6, appears to have been select cut in spots in the past	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Red Maple		16	Pole/Log	8				
Northern White Cedar		16	Pole	7	110			
White Pine		40	XLog/Log	22	120			
Hemlock		26	Pole/Log	9	110			
Paper Birch		2	Pole/Log	8				
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>				
Red Maple		Low	Variable	Sapling				
Balsam Fir		Low	Variable	Sapling				
<b>67</b>	622 - Lowland Shrub	Nonstocked	4.4			No	Lowland tag alder stand	
<b>68</b>	4199 - Other Mixed Upland Deciduous	Sapling Well	16.7	35	51-80	N/A	Mostly immature mixed upland deciduous stand consisting of red maple, Aspen, oak, cherry, and a smaller amount of paper birch. BA is averaging around 70 due to most of stand still being immature. Stand has hummocky terrain with some wetter areas. Old Comment: cut to 4" spec in 1988, transition zone with upland/lowland terrain, hummocky ground with some wetter potholes, scattered basam fir and black spruce saps also	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>			
Bigtooth Aspen		20	Sapling/Pole	3				
Black/Red (Hybrid) Oak		20	Sapling/Pole	3				
Pin Cherry		10	Sapling/Pole	2				
Red Maple		45	Sapling/Pole	3	35			
Paper Birch		5	Sapling/Pole	3				
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>				
Black/Red (Hybrid) Oak		Low	Variable	Seeding				
Red Maple		Medium	Variable	Sapling				
Tag Alder		Low	Variable	Tall Shrub				
Pin Cherry		Low	Variable	Tall Shrub				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
<b>70</b>	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	18.5	120	141-170	N/A	<p>Conifer stand that is a mix of upland and lowland. Stand is a mix of white cedar, black spruce, balsam fir, hemlock, white pine, and red maple. Little to no development in the understory, with trace amounts of black spruce and white pine. Southern tip of stand is mature red pine that was too small in acreage to be its own stand.</p> <p>Old Comment: transition zone between upland hardwoods to the east and the Deadstream Swamp on the west, west arm is several islands of somewhat higher ground cut by wetter swales and surrounded by bog and swamp, east arm is mostly high ground except for the far north (wet W9) and west edges (BS/BF/L) of the stand, higher ground is WP/RM/BF and the lower ground is BS/BF/NWC. lots of wildlife tracks and other signs in this stand, consider cutting east arm this YOY with the aspen to the east or hold and cut in 10 years with the aspen to the east,</p>																																																																
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<b>71</b>	6224 - Treed Bog	Nonstocked	23.1			No	Bog with old RR grade running through it. A small sliver of mixed conifer that is on a bit higher ground separates the two parts of the stand.																																																																
<b>72</b>	4130 - Aspen	Poletimber Well	37.9	60	81-110	N/A	<p>Pole sized Aspen stand with a mix of log sized white pine, red pine, and hybrid oak. There are also some pole sized white pine and cherry. The pine and oak tend to be focused in pockets, with much of the stand being pure aspen. BA averages around 80 to 90.</p> <p>Old Comment: A6 with numerous small brushy areas and wet potholes, scattered oak and R/W pine L &amp; XL's, southeast arm has BF saplings and poles scattered thruout, some evidence of hypox canker within stand with upland aspen starting to thin itself out and lower ground aspen growing well but still smaller, part of stand west of old RR grade was cut in Spring, 2016</p>																																																																
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<b>73</b>	3205 - Mixed Upland Shrub	Nonstocked	51.9			No		Larger open stand with scattered Jack pine, Oak, and aspen. There are also some more dense pockets of trees.																																																															
<b>74</b>	42110 - Planted Red Pine	Poletimber Well	20.3	38	111-140	N/A		<p>RP planted in 1985, NE tip of stand and very south tip of stand are J6. There is also a small inclusion of Aspen and Oak near the center of the stand. Red pine is pole sized, with a few stems starting to come into the small end of the log class. BA is averaging around 130 or 140 but is a bit variable.</p>																																																															
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<b>75</b>	4131 - Aspen, Oak	Sapling Well	36.4	17	Immature	N/A	Young Aspen stand with a mix of oak and cherry that was cut in 2006. There were also some mature oak left.																																																																
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<b>76</b>	3102 - Grass	Nonstocked	8.2			Managed Opening	Maintained wildlife opening																																																																



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<b>78</b>	4130 - Aspen	Sapling Well	19.1	7	Immature	N/A	Young Aspen stand that was cut in 2016. Stand also has a mix of red maple, and hybrid oak. Some overstory pine was also left during the harvest. Most of stand is full to moderate stocking, but south end near the bog in stand 71 is moderate to low stocking. South end also has a bit higher density of overstory pines that were left after harvest.																																																	
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<b>80</b>	4130 - Aspen	Poletimber Well	6.1	55	81-110	N/A	Pole sized Aspen stand of somewhat poor quality, especially for the age. A decent portion of the stand is still immature. Old Comment: poor quality TA with some hypoxylon canker starting especially on the bigger SL aspen left from the "choppers choice" cut in the 1960's. south end is more even-aged wth less hypox. visible, heavy u.s. of hawthorn in much of the stand																																																	
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<b>81</b>	4130 - Aspen	Sapling Well	10.9	7	Immature	N/A	Young stand of Aspen that resulted from a cut in May 2016. Stand is fully stocked and also has a mix of oak, cherry, and red maple.																																																	
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<b>82</b>	4126 - White, Black, N. Pin Oak	Sawtimber Poor	11.6	120	1-50	N/A	Two-part stand of overmature Oak that is fairly similar overall, but are only merged due to the Southern chunk being too small to be its own stand. Both parts of the stand are xlog oak covertypes and have low densities with decently developed understories. The North portion was seed tree cut in 2016 removing all maple and aspen, and has a BA around 30 to 50. The South portion has not received any recent treatments and has an average BA closer 60 or 70. Both portions of the stand are likely of the same origin, the only difference being the intermediate treatments.  The North portion of the stand has a fully to moderately stocked understory of oak, red maple, and cherry saplings. The South portion has the same species composition but is closer to moderate stocking. The overstory oak is starting to die out and there is little commercial value in it. The stand also has a few more open patches with lower regen stocking.  Old Comment (North chunk of stand): good u.s. of oak & other species, 1-2 acre inclusion of A3 on the north end which is 24 years old was left for visual, stand was seed tree cut in May, 2016 leaving 10-20 SF of the best crowned oak for mast/seed																																																	
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<b>83</b>	4130 - Aspen	Sapling Well	4.8	35	51-80	N/A	Young Aspen stand with a mix of oak and red maple that was clearcut in 1988. The understory is mostly open, but there are small amount of oak and red maple. BA averages are around 60 or 70 due to much of the stand still being immature.																																	
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<b>85</b>	4131 - Aspen, Oak	Sapling Well	13.0	35	81-110	N/A	Aspen stand that was clearcut in 1988. Stand is pole sized with BA averaging around 80 or 90. There are still plenty of trees that are still immature. Several Xlog oak were also left during the harvest. The understory also has a decent amount of Red maple saplings.																																	
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<b>86</b>	4139 - Aspen, Mixed Deciduous	Sapling Well	20.3	23	Immature	N/A	Immature Aspen stand that was cut in 2006. Quite a few Xlog oak were also left during the cut. There are also smaller components of black/red oak, red maple, and cherry.																																	
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<b>87</b>	3102 - Grass	Nonstocked	4.6			Managed Opening	Grassy opening that is an old landfill, blocked off with gate/guardrail and some trenching/planting of red pine to keep illegal ORV traffic out of opening																																	
<b>88</b>	4131 - Aspen, Oak	Sapling Well	15.8	35	51-80	N/A	Aspen stand cut in 1988. The stand also has a mix of hybrid oak and Red maple. A lot of regen is in clumps of stump sprouts. The stand is starting to come into the low end of the pole size class. BA averaged around 60 or 70 due to a decent portion of the stand still being immature.																																	
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<b>89</b>	4126 - White, Black, N. Pin Oak	Sawtimber Poor	6.6	120	1-50	N/A	Stand was previously shelterwood cut, leaving around 50 BA of overstory Oak. There is a decent component of black/red oak, white oak, and red maple in the understory. Most regen is from stump sprouting with a few Oaks from seed here and there. There are also some open areas with lower stocking. Old Comment: shelterwood cut in 2005 and now 2 aged, stump-sprout RM with stump-sprout and seedling oak, understory not fully stocked but getting there, scattered areas heavy to RM seedlings, retain O/S as shelterwood for now and evaluate for O/S removal in 10 years, best oak in the compartment in terms of quality and species																																	
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<b>90</b>	4130 - Aspen	Poletimber Well	43.1	60	81-110	N/A	Stand of Quaking Aspen with some in the saw size class, but mostly pole sized. There is also a wet spot in the stand with clumps of tag alder. There is a good understory consisting mainly of Red maple. BA averages were around 90 to 100.																																																																	
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<b>91</b>	710 - Sand, Soil	Nonstocked	1.4		Immature	Managed Opening	ORV/SMT trailhead																																																																	