



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71066

Entry Year 2019

Acreage: 2,174

County Roscommon

Management Area: High Sand Plains

Stand Examiner: Jason Lewicki

Legal Description:

Identified Planning Goals:

Soil and topography:

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

Unique Natural Features:

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Vehicle Access:

Survey Needs:

Recreational Facilities and Opportunities:

Fire Protection:

Additional Compartment Information:

The following reports from the Inventory are attached:

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

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

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

Cover Type & Treatments Map

Compartment: 66

County: Roscommon

Unit: Roscommon

Mgmt Area: High Sand Plains

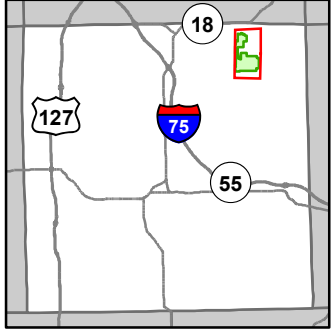
YOE: 2019

Acres: 2174.4 GIS Calculated

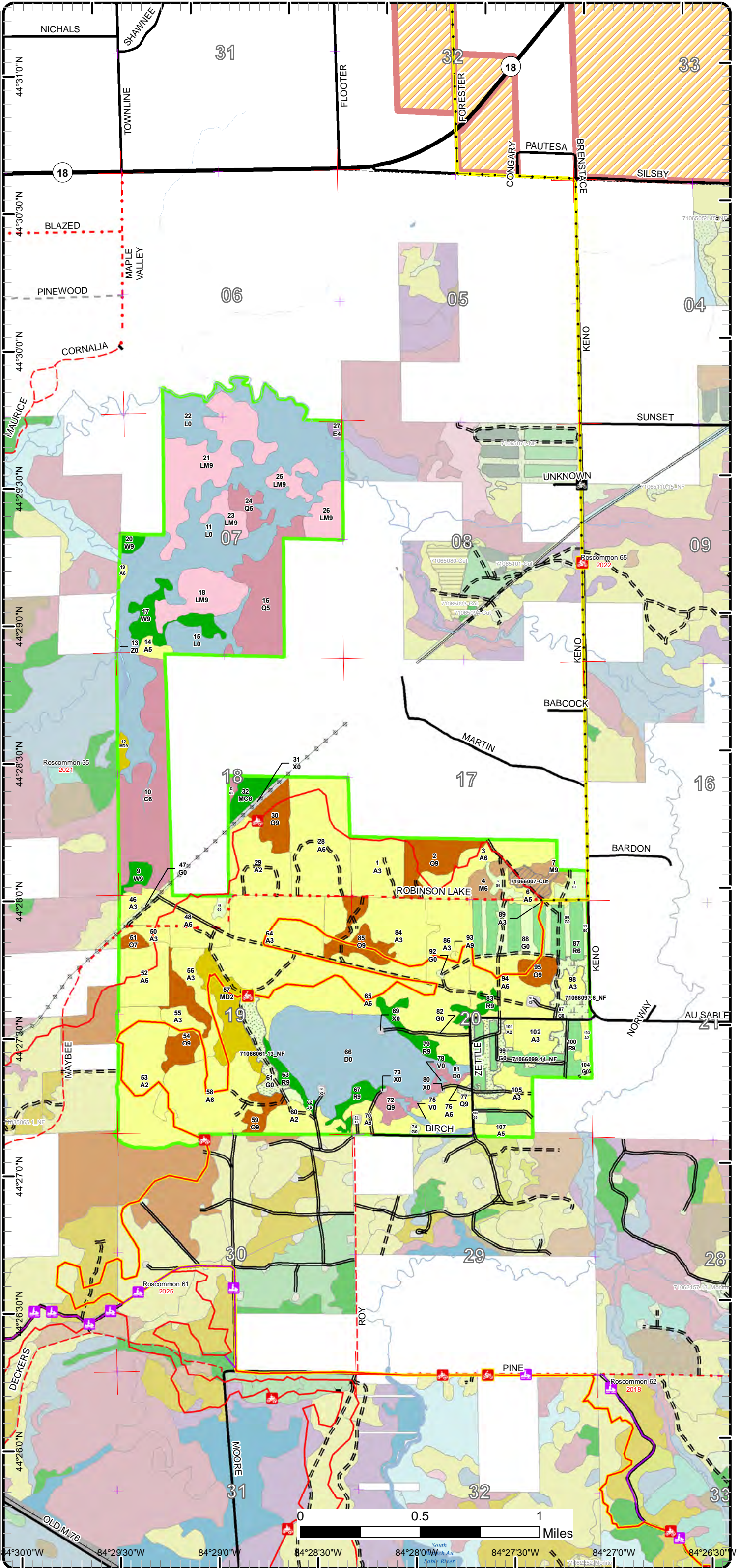
Examiner: Jason Lewicki

Map Revised: 10/11/2023

Map Phase: Post-Review



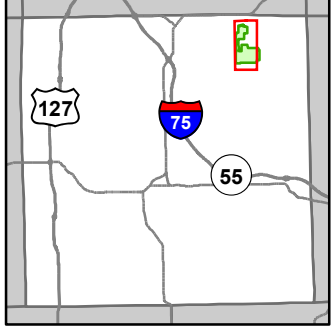
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- Powerline
- Compartment Boundary
- Other Treatment - See Comments
- Thinning (Crown, Low, Systematic)
- Mowing
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub



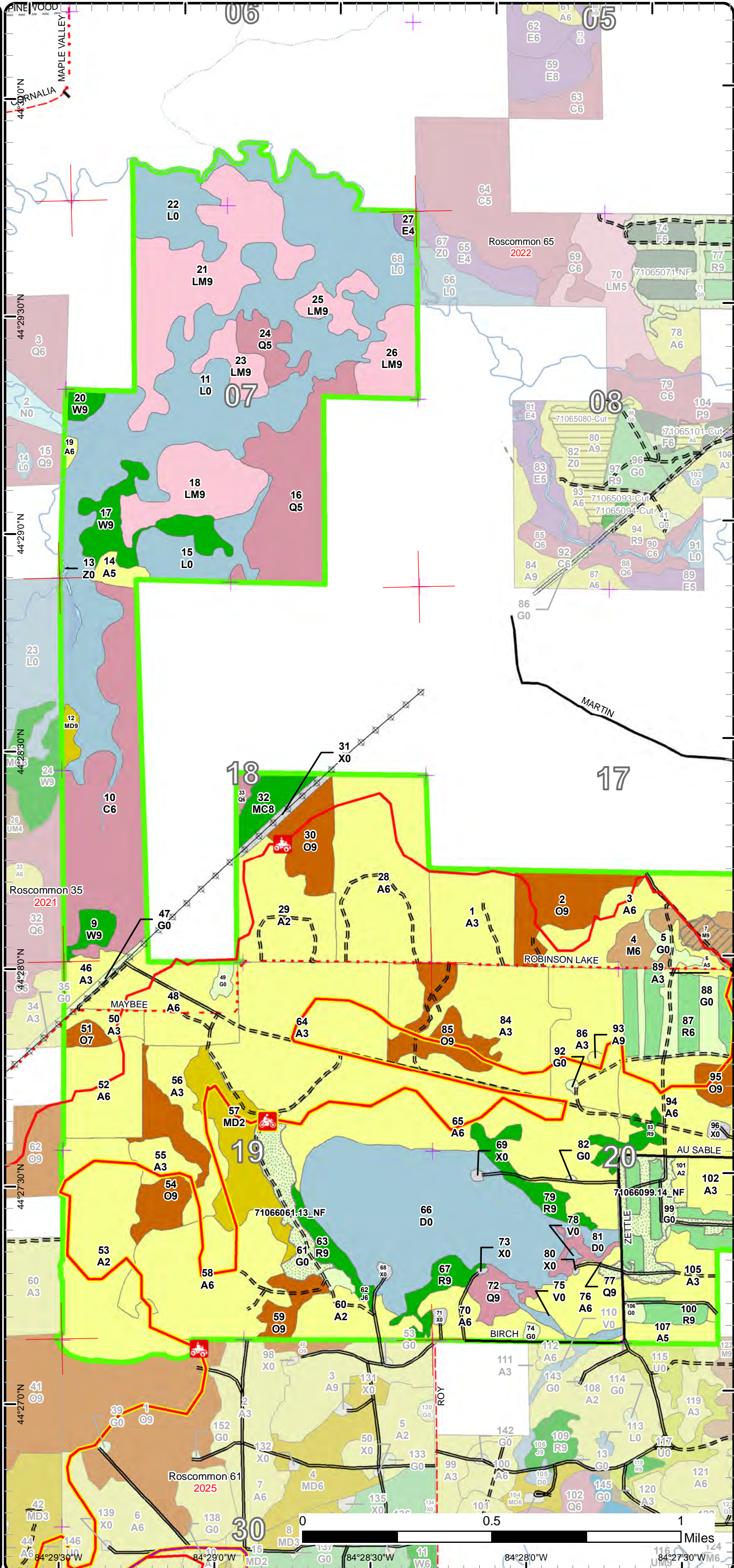
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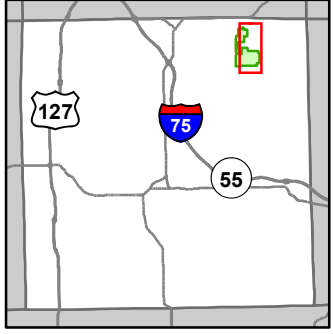
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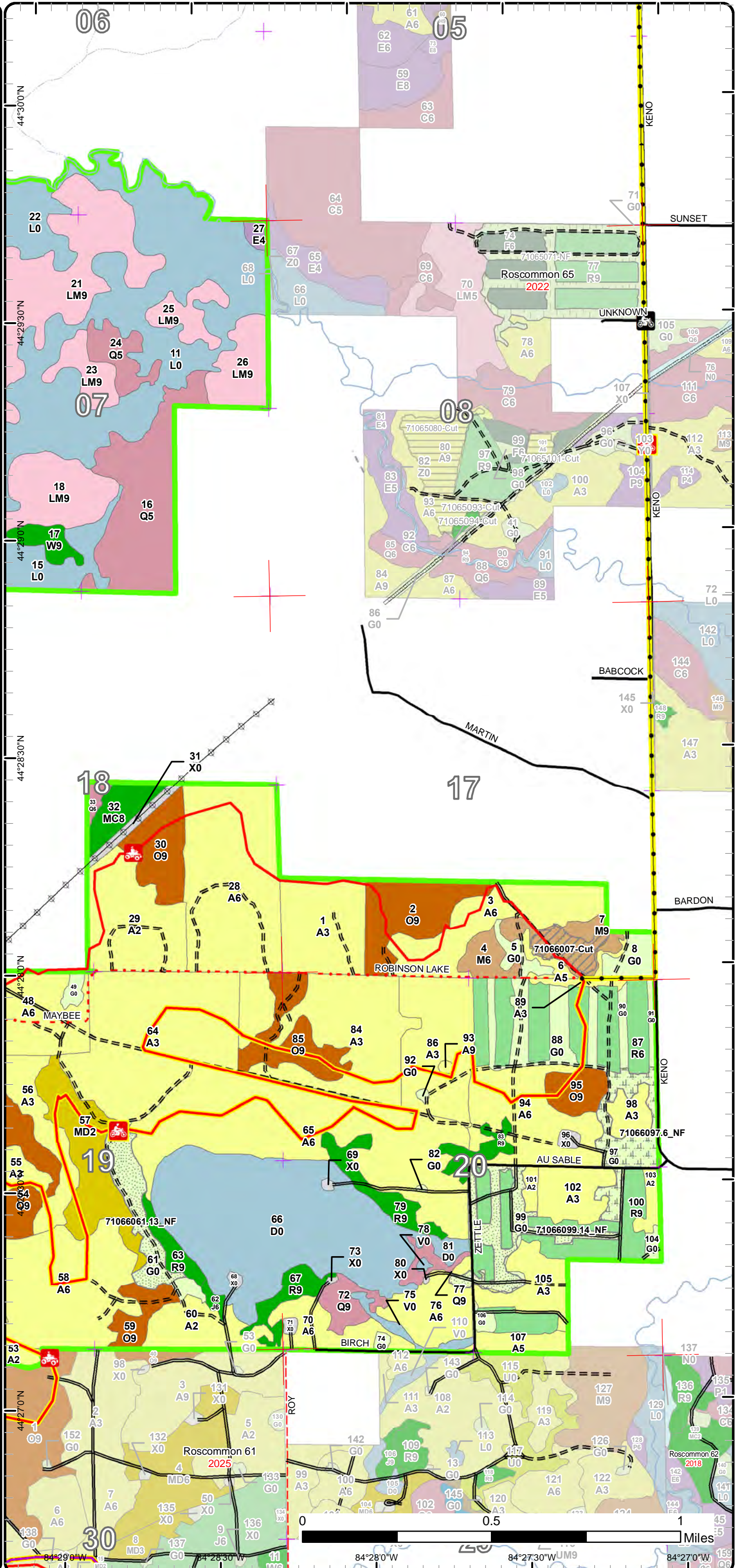
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Stand Boundary Map

Compartment: 66

County: Roscommon

Unit: Roscommon

Mgmt Area: High Sand Plains

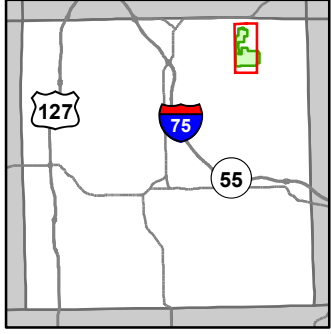
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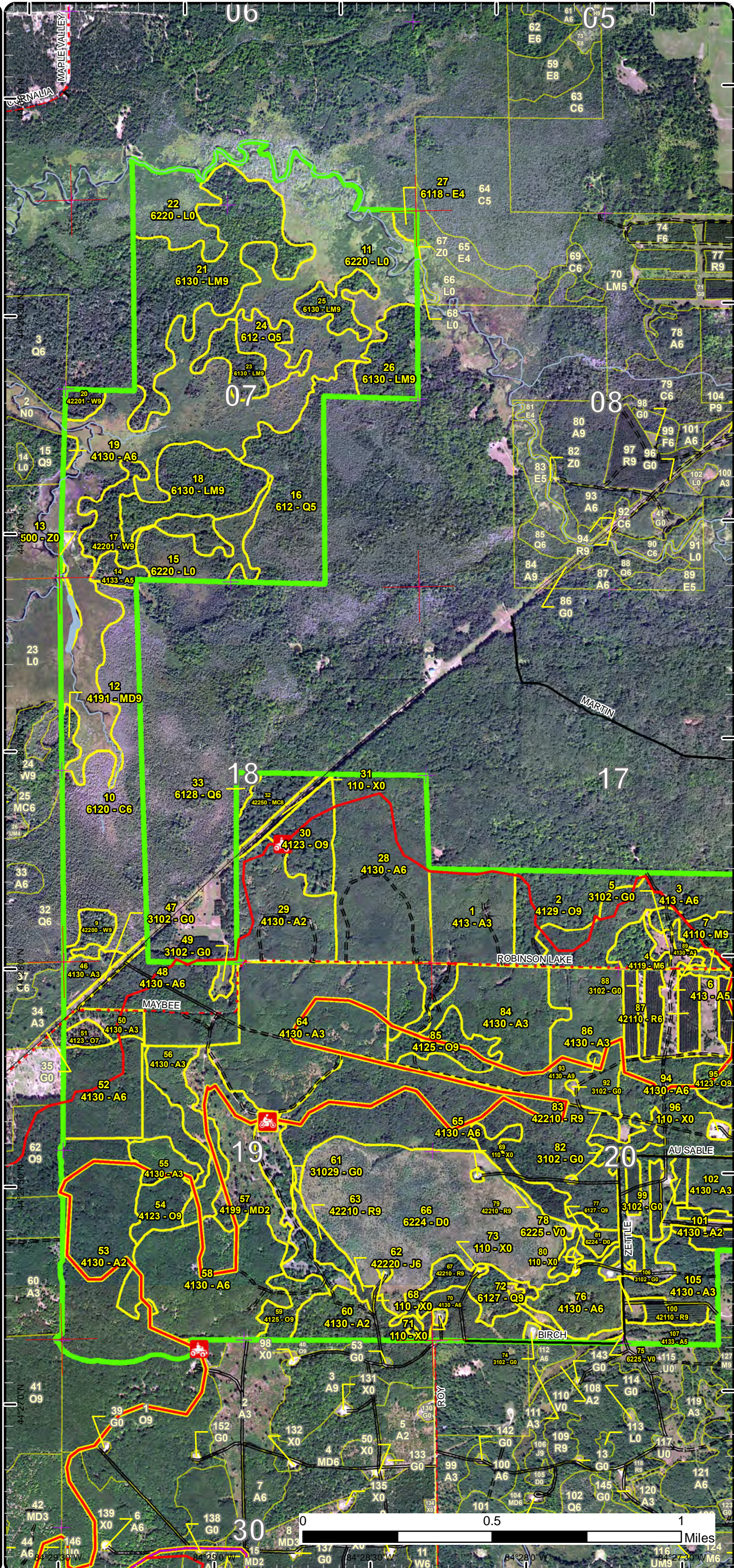
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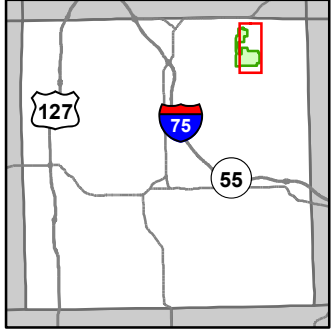
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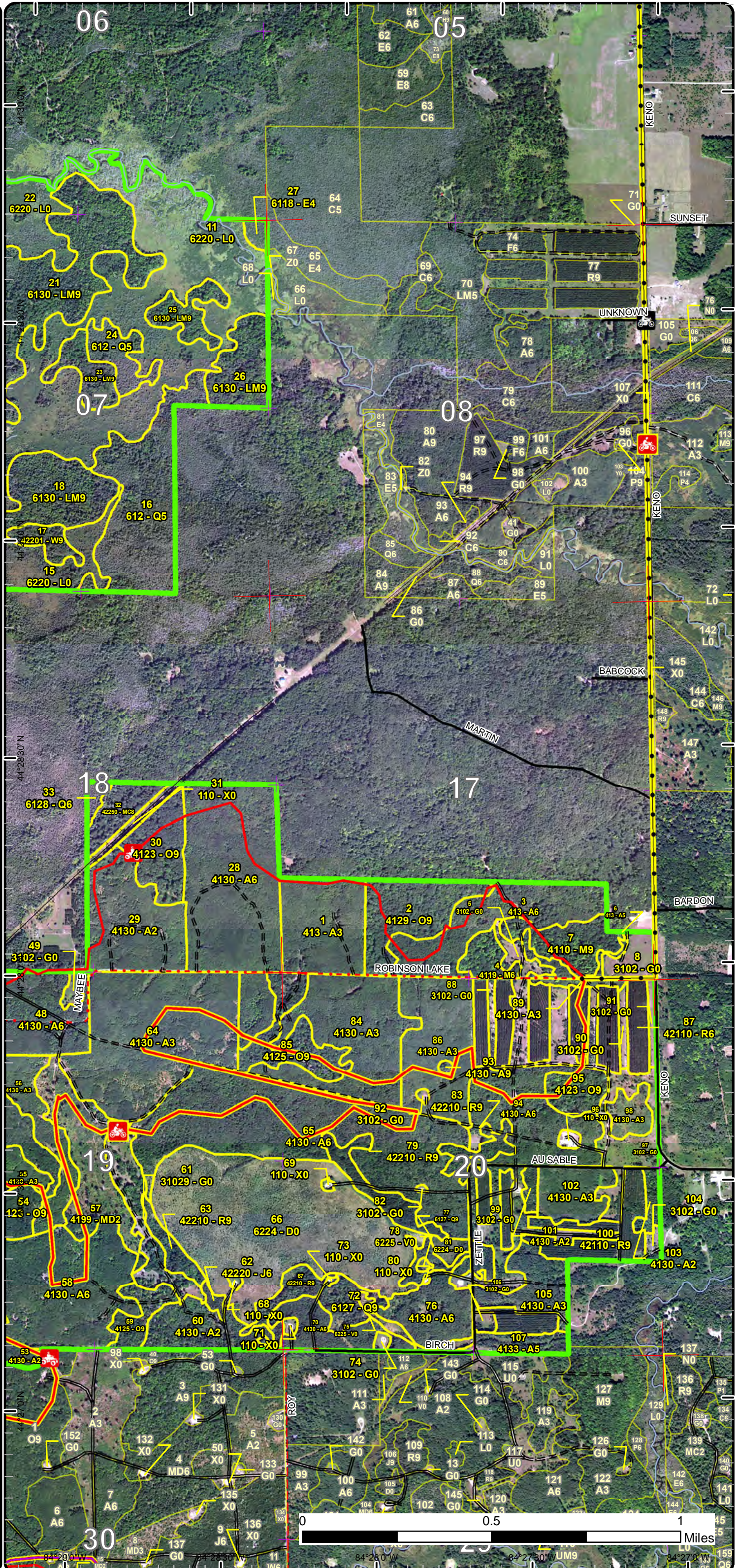
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Special Conservation Areas

Compartment: 66

County: Roscommon

Unit: Roscommon

Mgmt Area: High Sand Plains

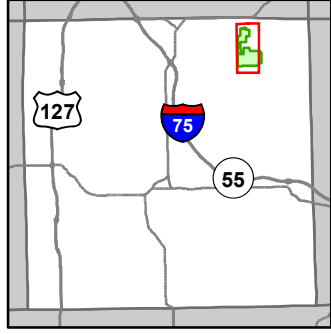
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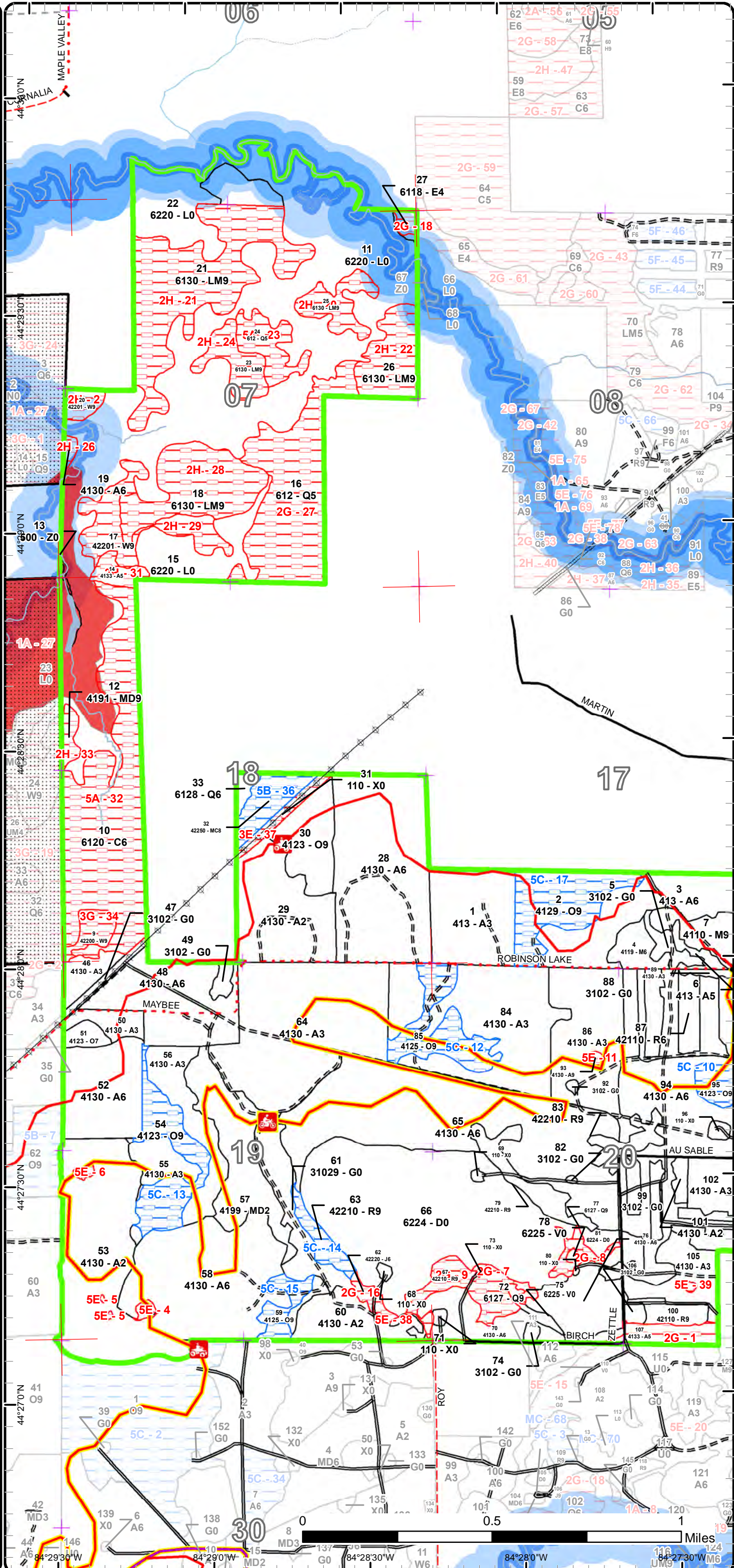
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- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3E: Easement / lease, non-military (e.g. Consumers Power red pine, etc)
- 3G: Other Influence zones - See comments
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer



Miles

Special Conservation Areas

Compartment: 66

County: Roscommon

Unit: Roscommon

Mgmt Area: High Sand Plains

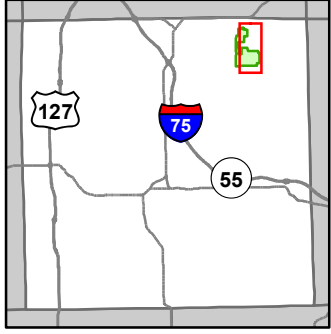
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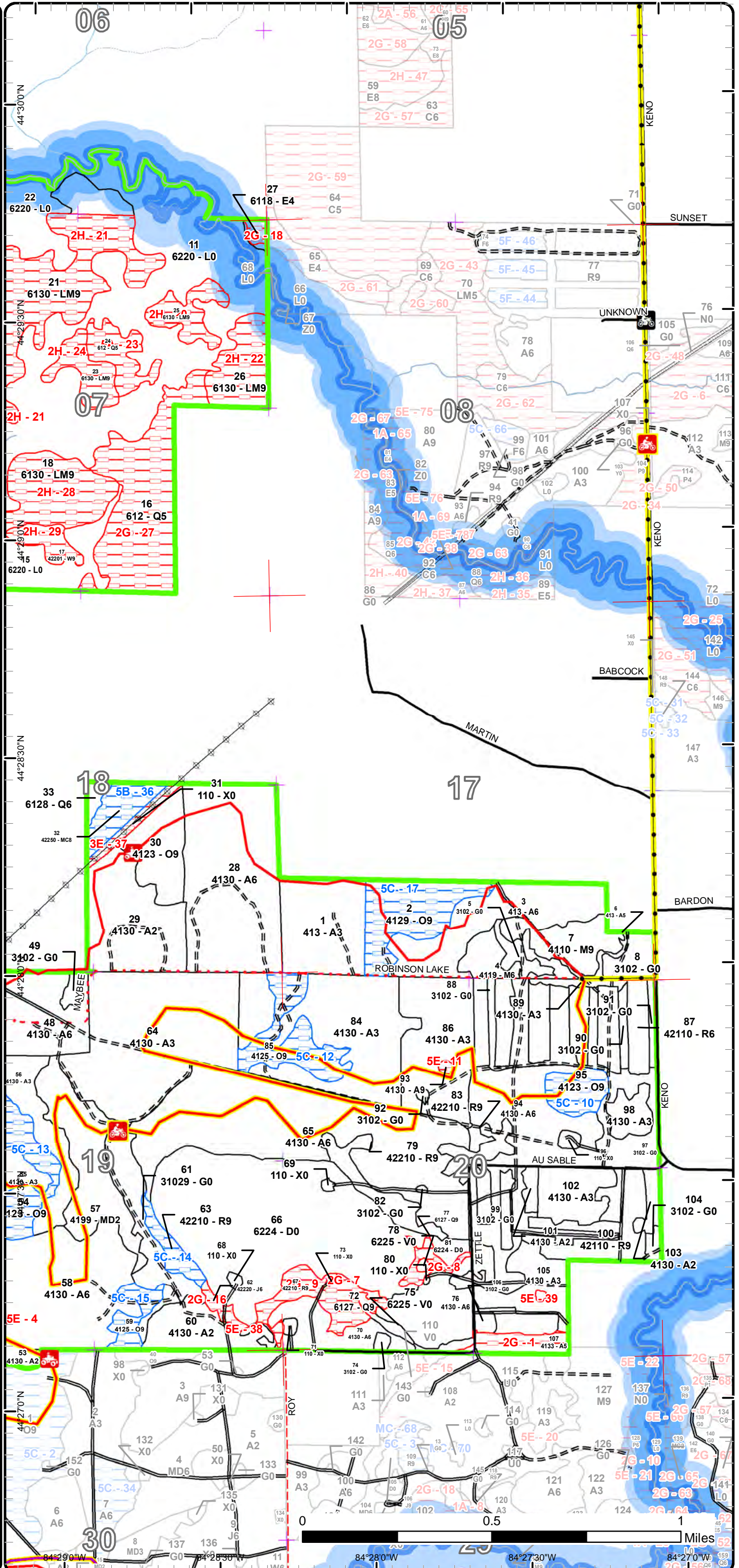
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Report 1 – Total Acres by Cover Type and Age Class



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	125	68	177	250	276	42	9	6	0	2	1	0	0	0	0	0	0	956
Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Cedar	0	0	0	0	0	0	0	0	0	0	86	0	0	0	0	0	0	0	86
Herbaceous Openland	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116
Jack Pine	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Lowland Conifers	0	0	0	0	0	0	0	3	0	58	14	12	0	0	0	0	0	0	87
Lowland Deciduous	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	155	0	0	0	0	0	0	0	155
Lowland Shrub	272	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	272
Mixed Upland Deciduous	0	0	36	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	40
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	12
Northern Hardwood	0	0	0	0	0	0	0	0	0	8	18	0	0	0	0	0	0	0	26
Oak	0	0	0	0	0	0	0	0	0	0	21	65	36	0	0	0	0	0	122
Red Pine	0	0	0	0	0	0	80	8	0	0	29	0	0	0	0	0	0	0	117
Treed Bog	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Water	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	27	0	0	6	0	0	33
Total	536	125	104	177	250	276	122	22	6	69	329	90	63	0	0	6	0	0	2175



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2019

Acres of Harvest

Compartment 66
Total Compartment Acres: 2,174

Commercial Harvest - 9
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
Northern Hardwood		0	0	0	0	9	0	0	0	9	
	Total	0	0	0	0	9	0	0	0	9	

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		9	0	0	0	0	0	0	59	68	
Next Step		0	0	0	0	0	0	0	39	39	
	Total	9	0	0	0	0	0	0	99	108	



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:

7	71066007-Cut	8.9	4110 - Sugar Maple Association	Sawtimber Well	91	81-110	Harvest	Crown Thinning	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Remove and salvage all merchantable beech. mark trees with green paint to save that appear to be resistant.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
61	71066061.13_ NF	17.2	31029 - Grass (OI)	Nonstocked			NonForestMgt	Mowing	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 9.</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> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2018</p>											
97	71066097.6_N F	20.0	3102 - Grass	Nonstocked			NonForestMgt	Other - Specify	3102 - Grass		No
<p><u>Prescription</u> Managed wildlife opening</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2018</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
99 71066099.14_ NF	22.2	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Mowing	310 - Herbaceous Openland		No
<p><u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Keno Field 10.</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> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2018</p>										

Total Treatment 68.3
Acreage Proposed:

Report 4 – Site Conditions

Roscommon Mgt. Unit

Jason Lewicki : Examiner

Compartment: 66

Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions									
		With Condition				5B	5C	2G	2H	3E	3G	5A	5E		
955	934	0		21	Aspen			9	7						5
5	5	0		0	Bog										
86	0	0		86	Cedar						0	86			
116	116	0		0	Herbaceous Openland										
2	0	0		2	Jack Pine			2							
87	3	0		84	Lowland Conifers			72				12			
3	1	0		2	Lowland Deciduous			2							
155	9	0		146	Lowland Mixed Forest				146						
272	272	0		0	Lowland Shrub			0							
40	36	0		4	Mixed Upland Deciduous				4						
12	0	12		0	Natural Mixed Pines	12									
26	26	0		0	Northern Hardwood										
122	29	94		0	Oak		94								
117	101	7		8	Red Pine		7	8							
131	131	0		0	Treed Bog										
9	5	0		5	Urban					5					
2	2	0		0	Water										
33	0	0		33	White Pine				27		6				
2,174	1,670	112		392	Total Forested Acres	12	100	94	184	5	6	98		5	
	77%	5%		18%	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)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 66
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2	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 66
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9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
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12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

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15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 66
Year of Entry: 2019

21	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	67	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	20	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	5A: Not able to obtain desirable regeneration	12	2G: Too wet (sensitive soils, does not include access issues)	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified
Comments:							
24	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 66
Year of Entry: 2019

27	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	58	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2B: Unknown if access through adjacent landowner(s) is possible	5A: Not able to obtain desirable regeneration	Unspecified
Comments:							
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	35	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	23	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	5A: Not able to obtain desirable regeneration	86	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki : Examiner

Compartment: 66
Year of Entry: 2019

33	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	3G: Other Influence zones - See comments	6	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments: Very scenic white pine stand with red maple starting to enter the mid-canopy. Regeneration is either balsam fir or white pine, The fir is heavier on the south line and the white pine to the north, Leave the stand for recreational values and old growth potential.							
36	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet.
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	413 - Aspen	Sapling Well	35.7	33	Immature	N/A	OPIC - FMD: Good aspen regen. Some red maple and oak stump sprouts. 7/20/23: Updated to non-OI cover type.																																										
2	4129 - Mixed Oak	Sawtimber Well	28.9	103	51-80	N/A	OPIC - FMD: Red oak stand that had red maple and aspen removed. Understory is red maple and aspen with some hard maple and beech mixed in. Some understory is approaching pole timber size. Good source of hard mast(acorns) for area. Heavy deer browse on acorns during early winter. Time of inventory was 12/13/2008 with one foot of snow on ground. 7/20/23: Updated to non-OI cover type.																																										
3	413 - Aspen	Poletimber Well	39.9	45	51-80	N/A	OPIC - FMD: mixed bigtooth and quaking aspen stand just entering pole timber size in most areas. Understory is red maple with some beech present also. Some scattered supercanopy oaks. 7/20/23: Updated to non-OI cover type.																																										
4	4119 - Mixed Northern Hardwoods	Poletimber Well	8.2	87	51-80	N/A	OPIC - FMD: Stand was thinned in may of 2002. Nice oak saw timber mixed with northern hardwood species. Beech regeneration in understory. 7/20/23: Updated to non-OI cover type.																																										
5	3102 - Grass	Nonstocked	4.9		Unspecified	No																																											
6	413 - Aspen	Poletimber Medium	5.1	45	1-50	N/A	OPIC - FMD: Young quaking aspen pole timber stand. A few white birch and oak scattered about. Beech and pin cherry in understory. 7/20/23: Updated to non-OI cover type.																																										
7	4110 - Sugar Maple Association	Sawtimber Well	18.1	91	81-110	N/A	Northern hardwood stand that was thinned winter 2003-2004. Little to no hard maple regeneration. Lots of beech regeneration. Beech infected with BBD.																																										
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8	3102 - Grass	Nonstocked	8.4		Unspecified	Managed Opening	OPIC - FMD: Grass opening with heavy knapweed. Some pin cherry and sumac present.																																										
9	42200 - Natural White Pine	Sawtimber Well	6.3	142	141-170	N/A	Very scenic white pine stand with red maple starting to enter the mid-canopy. Regeneration is either balsam fir or white pine, The fir is heavier on the south line and the white pine to the north, Leave the stand for recreational values and old growth potential.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
10	6120 - Lowland Cedar	Poletimber Well	86.0	97	111-140	N/A	Cedar stand that has not quite converted to spruce. The spruce in the understory is dense and find to cedar regeneration. The cedar has good log sizes but the deer pressure is just to high to regenerate it. Couple higher ground island in this stand where find large canopied white pine. Less than 1/4 acre each. Will lose cedar component completely if try and harvest for it. Leave the cedar so will have it at least for a few more years. The ground cover is moss and leatherleaf and is too wet and sensitive to try also.																																						
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11	6220 - Alder/willow	Nonstocked	222.8		Unspecified	No	Tag alder marsh																																						
12	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	4.0	96	171-200	N/A	More of a red maple stand with some scattered large white pines, rather than mainly white pine as the stand is in the adjacent compartment to the west. The maple is just into the log category. Find birch and some aspen mixed in. The main regeneration is either white pine or red maple and for the most part is under its corresponding canopied trees. Harvest this stand with Stand 29 in Compartment 8. only access in is through this stand.																																						
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13	500 - Water	Nonstocked	1.7		Unspecified	No	Larger water body, possibly formed by beaver dam on stream.																																						
14	4133 - Aspen, Mixed Pine	Poletimber Medium	5.5	78	Unspecified	N/A	Quaking aspen with red and white pine around the southern perimeter. There is a good percentage of open grass upland in this stand also. Was prescribed last year of entry for a habitat cut but was not done. Secluded by private property and a large spruce swamp (almost a mile worth).																																						
15	6220 - Alder/willow	Nonstocked	23.5		Unspecified	No	Tag alder marsh with some spruce, fir, and some tamarack scattered about, mainly around the perimeters.																																						
16	612 - Lowland Coniferous Forest	Poletimber Medium	57.9	88	Unspecified	N/A	A stand of many species. You find cedar in there, along with red maple. In amongst that there is balsam fir and some spruce. The open areas are tag alder. The stand is truly low and would be almost impossible to treat without damaging the soils. Would also find that getting regeneration back may be an issue if the water table rises. Landlocked between a tag alder marsh and private property to boot.																																						
17	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	22.5	113	Unspecified	N/A	Large crowned white pine with smaller deciduous in the sub-canopy.																																						
18	6130 - Fir, Aspen, Maple	Sawtimber Well	35.0	99	Unspecified	N/A	Aspen and red maple stand with some white pine mixed in. Have some fir in the lower areas. The site is seasonably wet for some durations of the year.																																						
19	4130 - Aspen	Poletimber Well	1.6	98	Unspecified	N/A																																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																													
20	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	4.6	116	111-140	N/A	Have some red pine and balsam fir scattered about also.																													
21	6130 - Fir, Aspen, Maple	Sawtimber Well	76.3	99	Unspecified	N/A	Mixed stand of maple and aspen on the slightly higher ground. Find the white pine and fir as the elevation drops towards the tag alder marsh level.																													
22	6220 - Alder/willow	Nonstocked	25.9		Unspecified	No	Tag alder marsh																													
23	6130 - Fir, Aspen, Maple	Sawtimber Well	12.1	98	Unspecified	N/A																														
24	612 - Lowland Coniferous Forest	Poletimber Medium	12.2	103	Unspecified	N/A	Lowland cedar																													
25	6130 - Fir, Aspen, Maple	Sawtimber Well	11.8	97	Unspecified	N/A	Appear to have some large aspen in the interior where the ground is higher. As it grades down on the edges to the tag alder marsh with find the pine and fir/spruce mix.																													
26	6130 - Fir, Aspen, Maple	Sawtimber Well	20.0	97	Unspecified	N/A	Larger aspen mixed in with pine. Find fir and spruce where the ground dips. There is a two-track that leads off the private parcel to the east onto state land that possibly could be used for access.																													
27	6118 - Lowland Deciduous with Cedar	Poletimber Poor	2.8	88	Unspecified	N/A	All the black ash has died out. What is left is a mix of cedar with red maple. They are both low quality and there is a heavy tag alder understory.																													
28	4130 - Aspen	Poletimber Well	79.7	35	Immature	N/A	Harvest in 1988. Came back real well with dense aspen with mixed in maple and oaks. The canopy closure is very well with just a handful of very small open area, former landing spots.																													
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29	4130 - Aspen	Sapling Medium	42.4	14	Immature	N/A	Good aspen regeneration for the most part, but still a good amount of open areas on the northwest side. These open areas contain oak, pin cherry, and scattered aspen. To fragmented to delineate out as grass openings. Will fill in more in time.																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
30	4123 - Red Oak	Sawtimber Well	21.0	98	141-170	N/A	The stand was thinned in 1999 and had all the red maple and aspen removed. The aspen has come back in a small area on the west end by the R.O.W.. The rest has red maple stump sprouted clumps all over the remaining portion of the stand. Still good quality trees in the stand but no oak regeneration. Recommend thin the stand down to 90-110 basal area opening up regeneration gaps, taking out poor quality trees. Post harvest do a treatment to remove the red maple completion. To tall to herbicide first. Need to reduce the maple size before herbicide it by a mechanical prep either masticate the maple and follow up with herbicide or use the smaller dozer with the root rake to tear up the sprouts and chains behind to scarify the soil for oak. Follow up with a herbicide treatment. The vast majority of the maple is in the regen. gaps created from the last treatment and are big enough to allow mechanical site prep work without damaging residual. The risk is too high for an RX burn in an almost exclusive red oak stand in addition to that the prep work can be done outside the oak wilt window unlike a burn.																																											
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31	110 - Low Intensity Urban	Nonstocked	4.9		Unspecified	Managed Opening																																												
Overhead powerline cleared R.O.W.. with a buried gas line on the north edge of the R.O.W.. Maintained by utility companies.																																																		
32	42250 - Pine, Oak	Sawtimber Medium	12.0	103	81-110	N/A	Stand was thinned in 1999 removing red maple and aspen. Very little maple regeneration came back, small pocket at north end mainly under oak. The other regeneration is dense aspen which encompasses to southern 2/3rds. The stand is made up of pockets of either exclusively red pine or red oak, very little mixing of the two. Do not recommend a treatment at this time. Trying to remove the large overstory would damage to much of the good aspen regeneration. Pine will hold till the aspen gets closure to management age. The basal area is lighter in this portion anyway. The heaviest pocket basal area wise is pine at the northern quarter. Too small an area to justify treating though.																																											
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33	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	2.8	65	51-80	N/A																																												
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Dense fir understory but not a big component in the overstory. The overstory is a mix of several species, with some very large white pine. Stand is slowly converting to fir though.																																																		
46	4130 - Aspen	Sapling Well	7.7	14	Immature	N/A	CUT WITH COMPARTMENT 42 STAND 45 TO THE WEST IN 2008																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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47 3102 - Grass Nonstocked 3.5 Unspecified No UTILITY LINES

48 4130 - Aspen Poletimber Well 42.2 47 81-110 N/A Primarily a Bigtooth aspen stand. Small pocket of oak and maple along north side of the road. Dominated by quaking aspen on the north end.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Pole	6		Red Maple	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	2	Pole	6		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	80	Pole/Log	8	47	Pin Cherry	Low	5 - 10 feet	Sapling
Quaking Aspen	15	Pole	8					

49 3102 - Grass Nonstocked 2.7 Unspecified No

50 4130 - Aspen Sapling Well 7.4 14 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Sapling	1	
Bigtooth Aspen	85	Sapling	1	14
White Pine	3	Sapling/Pole	2	
Black/Red (Hybrid) Oak	10	Log	12	

51 4123 - Red Oak Sawtimber Poor 4.2 100 1-50 N/A SHELTERWOOD CUT 2009. Very little oak regeneration.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	90	Log	12	100	Red Maple	Medium	5 - 10 feet	Sapling
White Oak	10	Log	12		Pin Cherry	Low	5 - 10 feet	Sapling
					Bigtooth Aspen	Low	10 - 20 feet	Sapling
					White Pine	Low	10 - 20 feet	Sapling
					Red Oak	Low	5 - 10 feet	Sapling

52 4130 - Aspen Poletimber Well 33.5 48 51-80 N/A Mixed aspen stand with areas of good red oak from stump sprouts.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	20	Pole	6		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Oak	10	Pole	7		Pin Cherry	Low	5 - 10 feet	Sapling
Bigtooth Aspen	65	Pole	8	48	Red Maple	Medium	10 - 20 feet	Sapling
Red Maple	5	Pole	6					

53 4130 - Aspen Sapling Medium 78.3 3 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	1	
Bigtooth Aspen	95	Sapling	1	3



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
54	4123 - Red Oak	Sawtimber Well	25.2	117	111-140	N/A	Stand of good quality red oak mixed with Bigtooth aspen. Stand is Healthy and is used heavily by deer for hard mast. Stand can hold.																																	
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55	4130 - Aspen	Sapling Well	9.5	20	Immature	N/A	Stand Year Origin was 2003																																	
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57	4199 - Other Mixed Upland Deciduous	Sapling Medium	36.2	13	Immature	N/A	Cut Summer 2010, left some vigorous oaks for seed. Northern half is dominated by aspen while the southern half is dominated by red maple.																																	
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58	4130 - Aspen	Poletimber Well	71.0	33	Immature	N/A	Stand Year Origin was 1990																																	
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59	4125 - Black, N. Pin Oak	Sawtimber Well	10.2	105	51-80	N/A																																		
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61	31029 - Grass (OI)	Nonstocked	19.6			Managed Opening	OPIC - FMD: Maintained grass opening with several small islands of timber including oak, cherry and aspen.																																					
62	42220 - Natural Jack Pine	Poletimber Well	1.9	67	81-110	N/A																																						
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70	4130 - Aspen	Poletimber Well	17.4	47	51-80	N/A	Stand of quaking aspen with some scattered mixed pine. Stand Year Origin was 1976																																
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72	6127 - Lowland Pine	Sawtimber Well	9.3	92	51-80	N/A	Mixed pine bog. Some red pine sawtimber mixed with jack and white pine. Some red and white pine in understory. Very high water table.																																
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76	4130 - Aspen	Poletimber Well	21.8	47	51-80	N/A	Stand of almost pure quaking aspen poletimber. Stand Year Origin was 1976.																																
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83	42210 - Natural Red Pine	Sawtimber Well	7.5	65	111-140	N/A	East end has smaller diameters and appears to be of plantation origin. West end appears more natural with higher diameters. Stand has scattered poletimber aspen mixed in. If harvested the stand would probably convert to aspen.																																				
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84	4130 - Aspen	Sapling Well	63.2	33	Immature	N/A	OI Stand Year Origin was 1990, Stand is starting to develop poletimber. Some scattered beech saplings.																																				
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85	4125 - Black, N. Pin Oak	Sawtimber Well	22.0	102	51-80	N/A	Oak stand that has had red maple and aspen removed in the past. M3/A3 understory. Retain as wildlife travel corridor																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
88	3102 - Grass	Nonstocked	21.0			Managed Opening																																																																
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92	3102 - Grass	Nonstocked	0.6		Unspecified	No																																																																
93	4130 - Aspen	Sawtimber Well	0.7	107	81-110	N/A	Old Mims plot that was not harvested. Use as retention for surrounding stand																																																															
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94	4130 - Aspen	Poletimber Well	42.3	51	81-110	N/A	Mixed aspen pole timber stand																																																															
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95	4123 - Red Oak	Sawtimber Well	10.8	112	51-80	N/A	Large open grown red oak mixed with northern hardwoods component and aspen. Aspen around the edges.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																											
96	110 - Low Intensity Urban	Nonstocked	1.6		Unspecified	No	OPIC - FMD: Oil/gas well pads																											
97	3102 - Grass	Nonstocked	20.0			Managed Opening																												
98	4130 - Aspen	Sapling Well	7.9	13	Immature	N/A	Cut Winter 2010																											
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99	3102 - Grass	Nonstocked	23.3		Unspecified	No																												
100	42110 - Planted Red Pine	Sawtimber Well	37.6	58	81-110	N/A	Red pine plantation that was tire row thinned last entry. Good quality site. Some autumn olive on the east side. Free thinned in the fall of 2019.																											
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101	4130 - Aspen	Sapling Medium	2.9	5	Immature	N/A	Cut in the fall of 2019																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
107	4133 - Aspen, Mixed Pine	Poletimber Medium	9.0	61	51-80	N/A	Pole timber aspen stand that contains a wet area with a small drainage.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	70	Pole	8	61	Pin Cherry	Low	5 - 10 feet	Sapling
Balsam Poplar	10	Pole	6					
White Pine	20	Pole/Log	8					