

Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63139

Entry Year: 2027

Acreage: 2,962

County: Wexford

Management Area: Cadillac Moraines

Stand Examiner: Ryan Adamczyk

Legal Description:

T22N, R9W, Sec. 4-9, 17

T23N, R9W Sec.17, 19

T23N, R10W Sec. 13-16

Identified Planning Goals:

Vegetation management in the Upper Muskegon management area (MA) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year period will focus on harvesting older jack pine and balancing age class distributions of oak, aspen and red pine. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation. Expected trends within this 10-year planning period are the need to manage exotic species (especially Phragmites and glossy buckthorn), the need to continue to manage cover types for a balanced age-class distribution and an expected increase in recreation pressure.

Soil and topography:

Montcalm, Rubicon and Kalkaska sands. Undulating upland and well drained with a few low areas.

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

Block in state ownership in areas of the compartment where pieces are missing or private lands are interrupting contiguous state ownership. There are 2 outlying parcels that should be considered for disposal or trade. T22N R9W Sec.17 NENW is a 40 acre land locked parcel that has been inaccessible for management up to this point. T23N R09W Sec. 17 SENE there is a 5 acre land locked parcel along the Manton Creek. The proximity of this compartment to the City of Cadillac leads to increased hunting and recreational pressures. There is an ORV trail in the compartment that receives a considerable amount of use.

Unique Natural Features:

Potential for great blue heron rookery, red shouldered hawk, goshawk, and box turtle. Also potential for ebony boghaunter and secretive locust in bogs.

Archeological, Historical, and Cultural Features:

Missaukee junction railroad intersection. Logging camp and woodland mound listed.

Special Management Designations or Considerations:

Silvicultural guidelines will be followed for all forestry treatments prescribed in the compartment.

Watershed and Fisheries Considerations:

The only surface water in the compartment is Bonds Mill Pond and a couple other unnamed ponds. All of these are water table ponds, subject to the vagaries of nature. None of them have fish populations. There is one flowing stream that touches the compartment and has a native trout population.

Wildlife Habitat Considerations:

This compartment provides valuable deer and turkey habitat. A continuation of maintaining a variety of cover types and various age classes of those types will continue to favor a variety of game and non-game species. Featured species of special interest include deer, woodcock, golden-winged warbler and ruffed grouse. Timber sale specifications to benefit wildlife (where applicable) will include brush pile creation along lowland edges, protection of mast-bearing wildlife shrubs and ironwood, protection of standing dead snags, and creation of drumming logs (1-2 per acre) and woody debris (tops or whole trees) in aspen cuts. (E. Victory 6/2015)

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of coarse-textured till, lacustrine sand and gravel and minor glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 1,000 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations and the Mississippian Bayport Limestone and Michigan

Formation. The Saginaw is quarried for clay for bricks, the Bayport for limestone and the Michigan Formation for gypsum, all in other areas of the State. Gravel pits are located in the area and potential is good. This area is located several miles south of the prolific Silurian Niagaran reef trend. Oil and gas has limited potential in the Compartment and none of the State lands are leased for oil and gas exploration.

Vehicle Access:

A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR. There are numerous roads in excess of the access needs in the area, and are a threat to the resources, or are a concern environmentally. A road closure plan should be implemented to reduce resource damage in the compartment.

Survey Needs:

None at this time

Recreational Facilities and Opportunities:

The entire 18 mile Missaukee Junction ORV trail is located within this compartment. This 50 inch trail is designed for ATV's, and receives considerable use due to it's close proximity to Cadillac. Utilizing trail protection specifications & considerations such as promoting a winter harvest, and flush cutting stumps directly adjacent to the trail are suggested harvesting practices. Specifically, appropriate measures identified in DNR Policy & Procedures "32.22XX" (Best Management Practices for Forest and Wildlife Management Adjacent to Recreation Trails) should be considered when setting up timber sales within this compartment. Hunting, and some limited fishing opportunities in Manton Creek are available within this compartment. (T.M.N. 12/17/14).

Fire Protection:

Road access is limited to some of the compartment, which will limit fire response. Dispersed camping and ORV activities can be a cause for wildfires in the compartment.

Additional Compartment Information:

A small portion of the compartment lies on the east side of U.S.131 it is recommended to remove this from compartment 139 and merge with compartment 141. The proximity of the compartment to urban centers leads to an increased amount of illegal dumping.

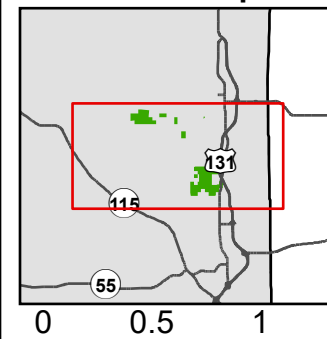
The following reports from the Inventory are attached:

- 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**

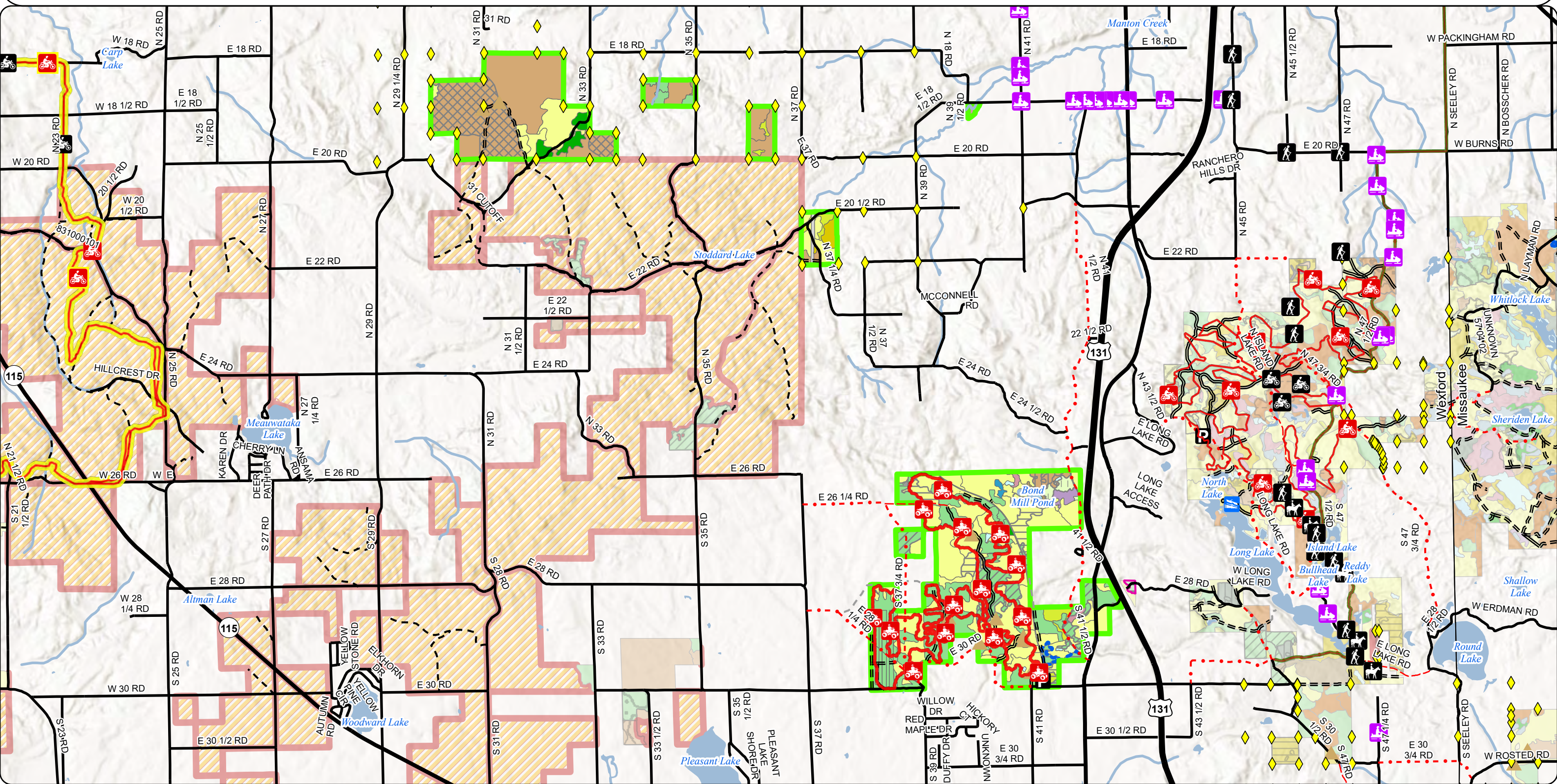
Cover Type & Treatments Map



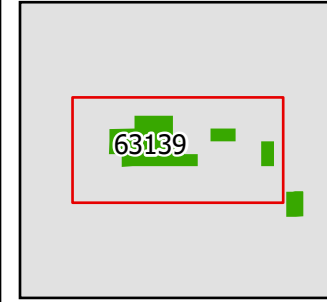
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 T22N, R09W, Sec. 04-09, 17
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 Unit: Cadillac
 Mgmt. Area: Cadillac Moraines
 YOE: 2027
 Acres: 2,962 GIS Calculated
 Examiner: Ryan Adamczyk
 Date Exported: 1/8/2026
 Map Phase: Post Maps



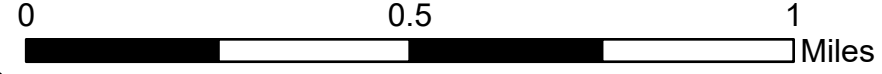
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|---|---|---|---|--|
| <ul style="list-style-type: none"> Survey Grade Corners Berm Parking Lot Boating Access Site Designated MCCCT Trails Designated ATV Trails Designated Motorcycle Trails Designated Hiking Pathway | <ul style="list-style-type: none"> Designated Equestrian Trails DNR - Secondary Forest Road DNR - Forest Access Route Federal / State Highway Federal / State / County - Paved Road Federal / State - Dirt / Gravel Road County - Gravel Road County - Dirt Road (Seasonal) | <ul style="list-style-type: none"> Private - Dirt / Gravel Road Streams Lakes and Rivers Compartment Boundary Clearcut Selection Shelterwood Thinning Pesticide | <ul style="list-style-type: none"> Openings Mgmt. Clearcut (Outside Compartment) Treatments with Site Conditions 411 - Northern Hardwood 413 - Aspen 419 - Mixed Upland Deciduous 421 - Planted Pines 422 - Natural Pines 430 - Upland Mixed Forest | <ul style="list-style-type: none"> 500 - Water 611 - Lowland Deciduous Forest 612 - Lowland Coniferous Forest 110 - Low Intensity Urban 122 - Road/Parking Lot 310 - Herbaceous Openland 330 - Low Density Trees 623 - Emergent Wetland 629 - Mixed non-forested Wetland |
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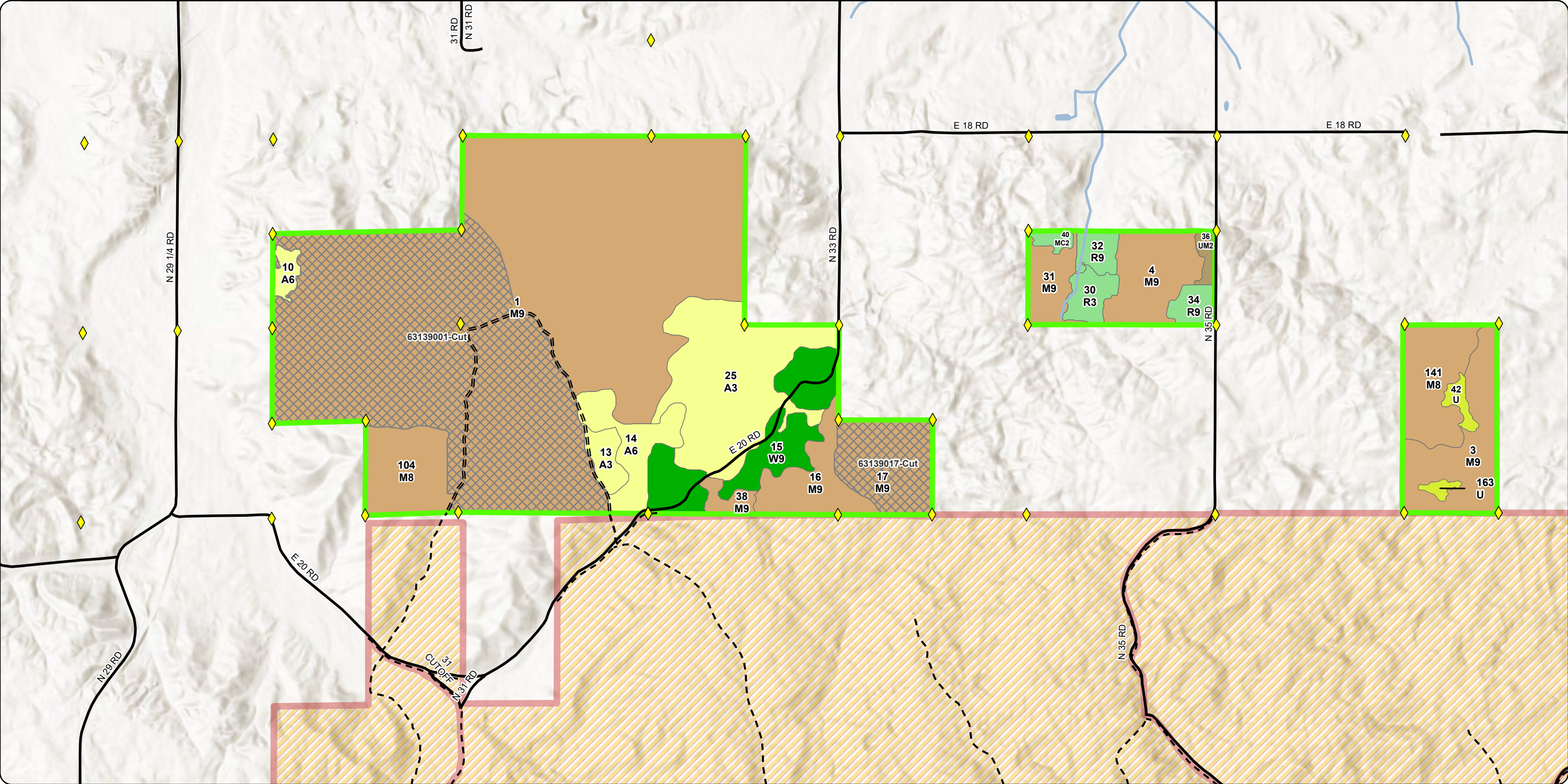
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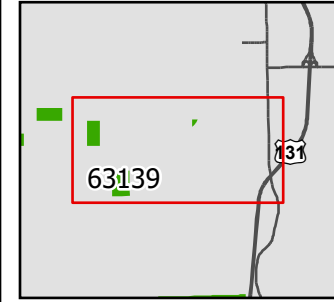
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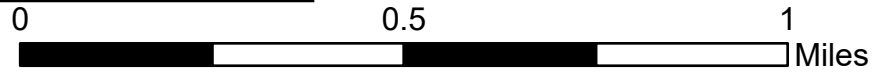
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- ▲ Berm
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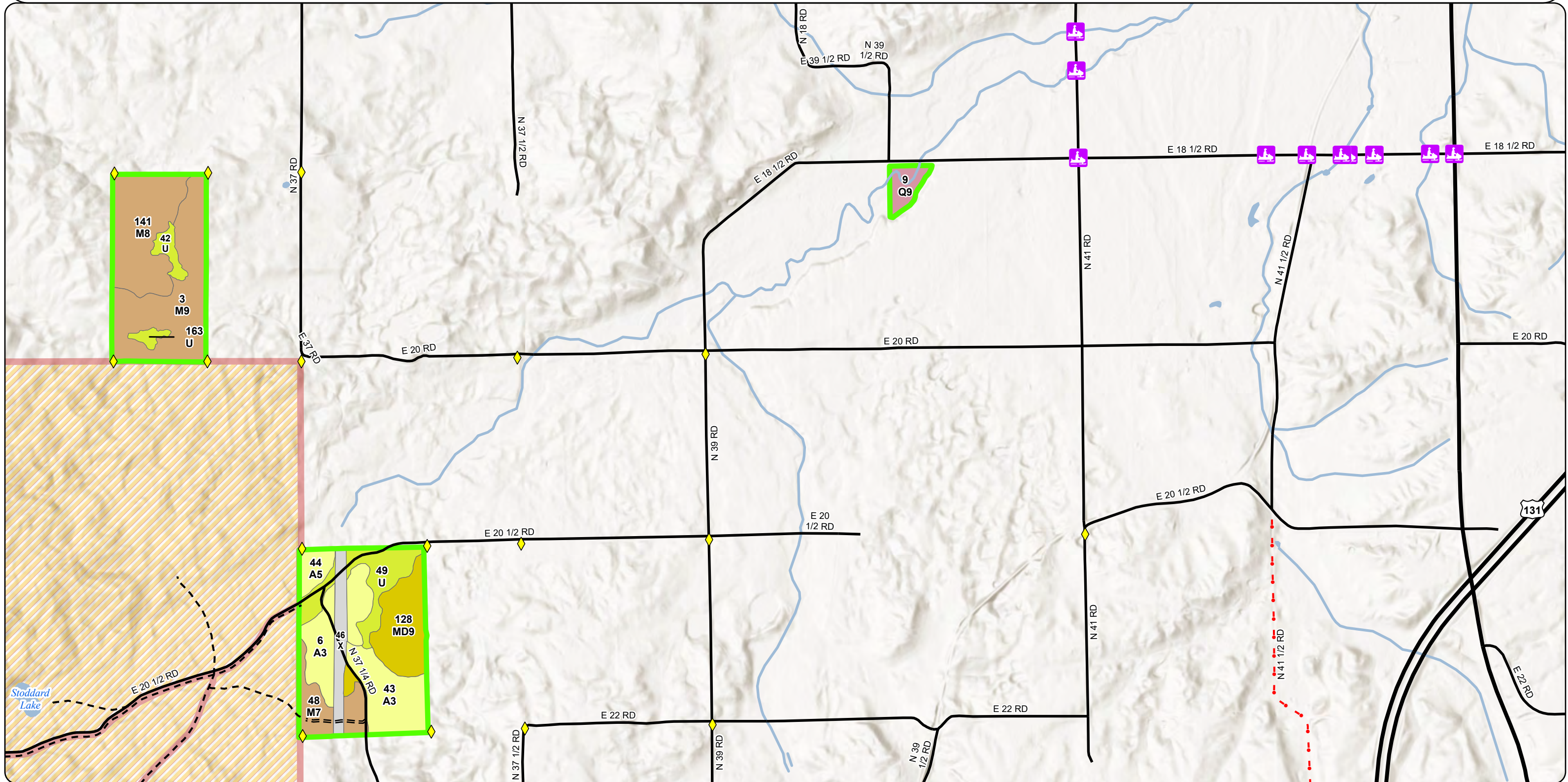
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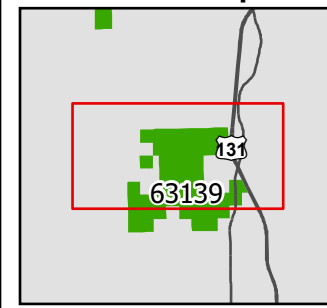
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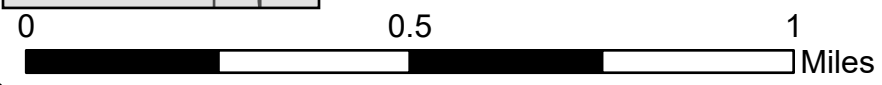
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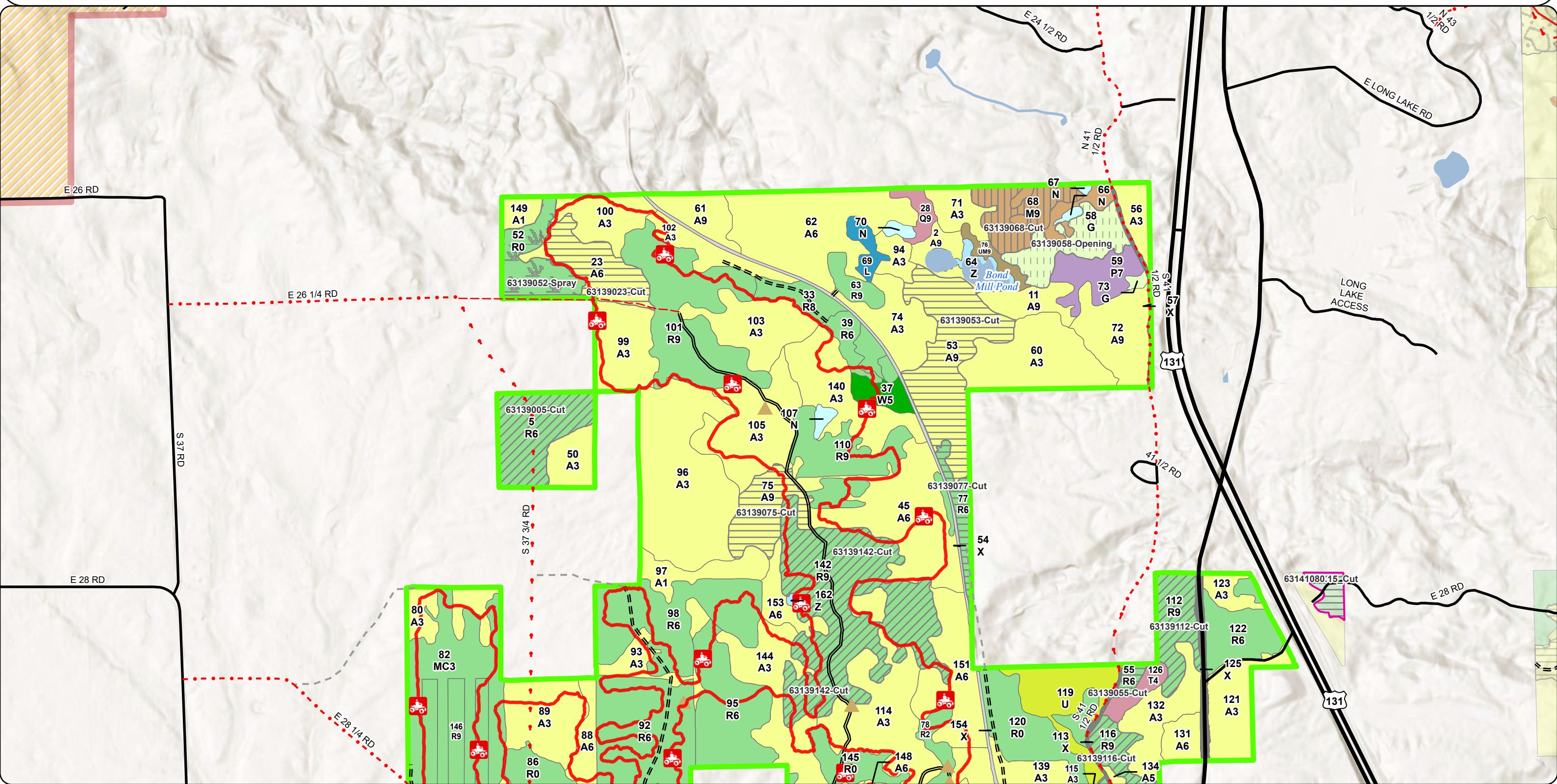
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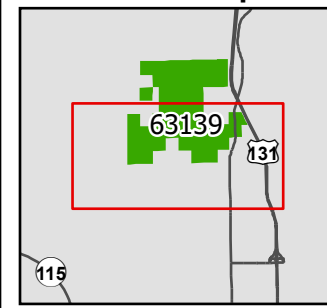
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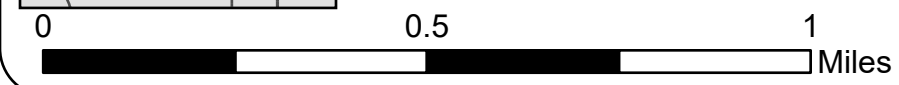
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|---------------------------------------|-------------------------------|--------------------------------|----------------------------------|
| Berm | County - Gravel Road | Pesticide | 611 - Lowland Deciduous Forest |
| Designated ATV Trails | County - Dirt Road (Seasonal) | Openings Mgmt. | 612 - Lowland Coniferous Forest |
| Designated Motorcycle Trails | Private - Dirt / Gravel Road | Clearcut (Outside Compartment) | 110 - Low Intensity Urban |
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| Federal / State Highway | Compartment Boundary | 421 - Planted Pines | 330 - Low Density Trees |
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| | Thinning | 500 - Water | |



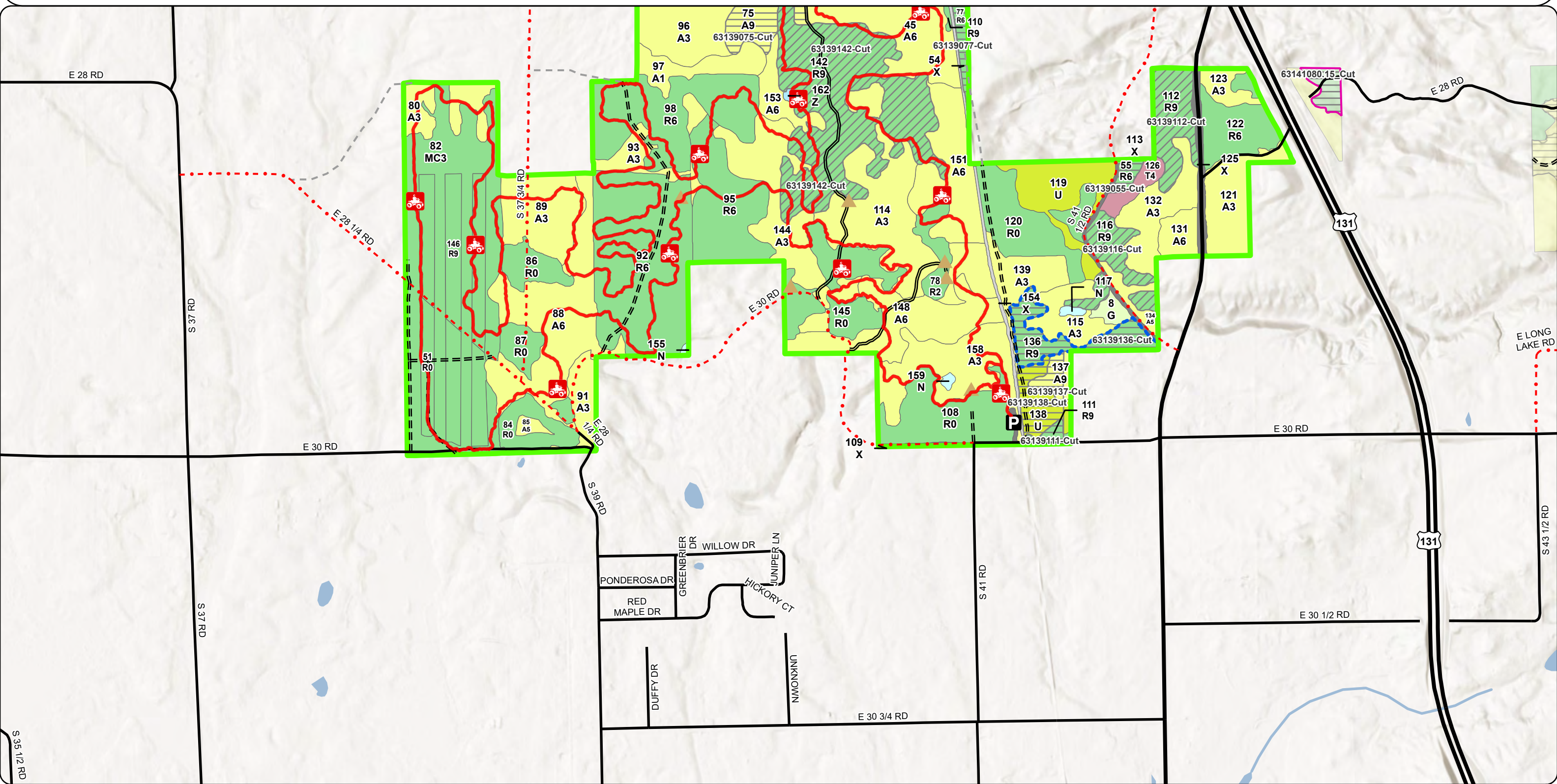
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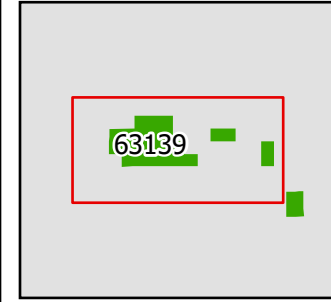
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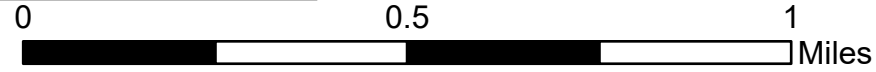
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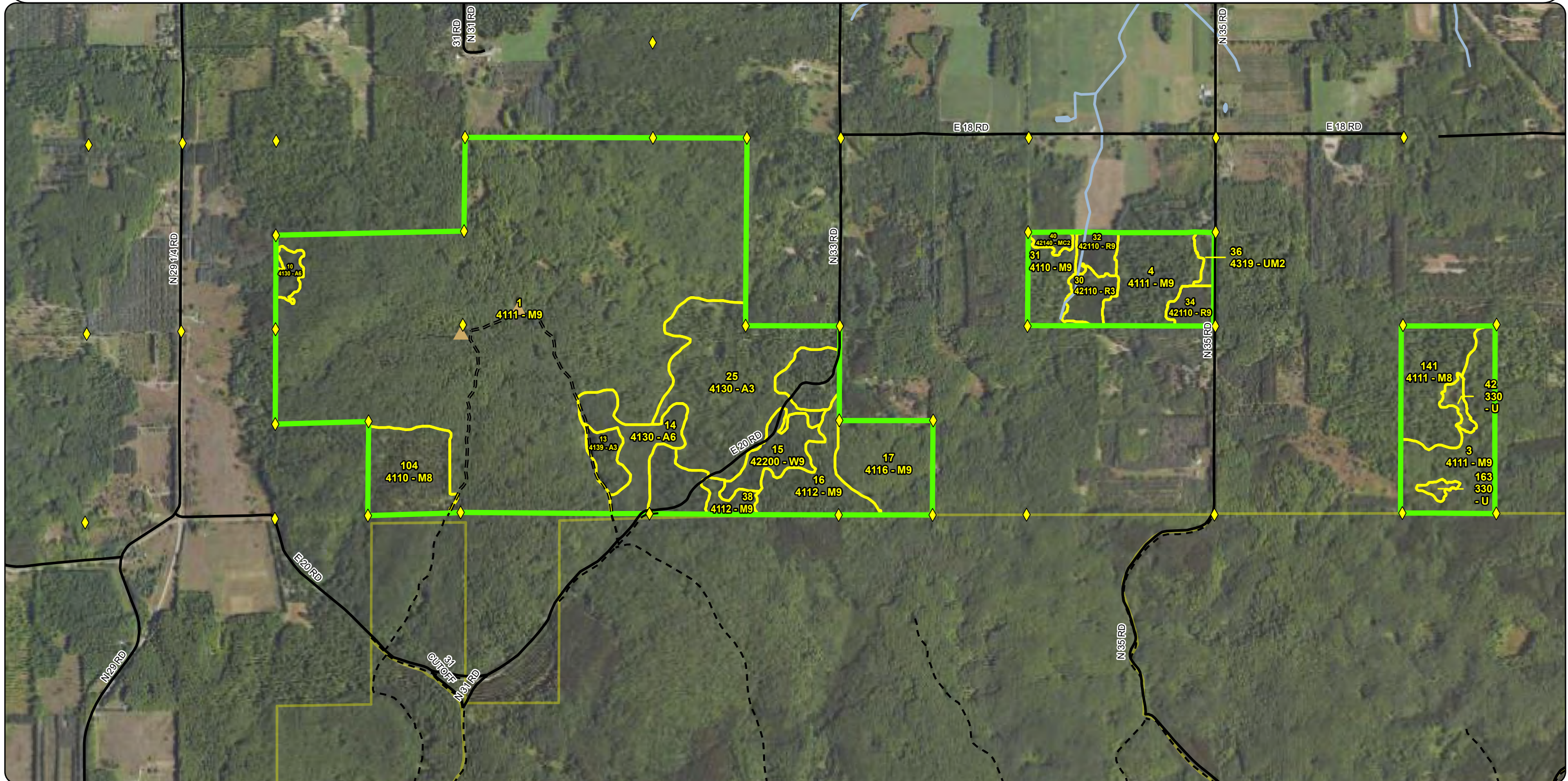
Stand Boundary Map



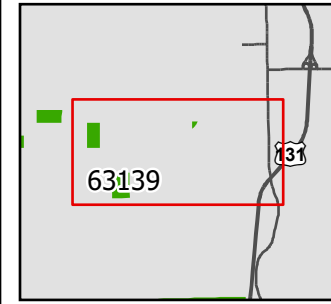
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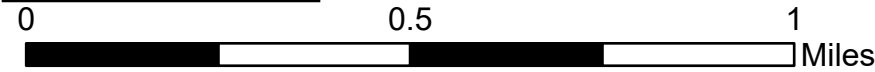
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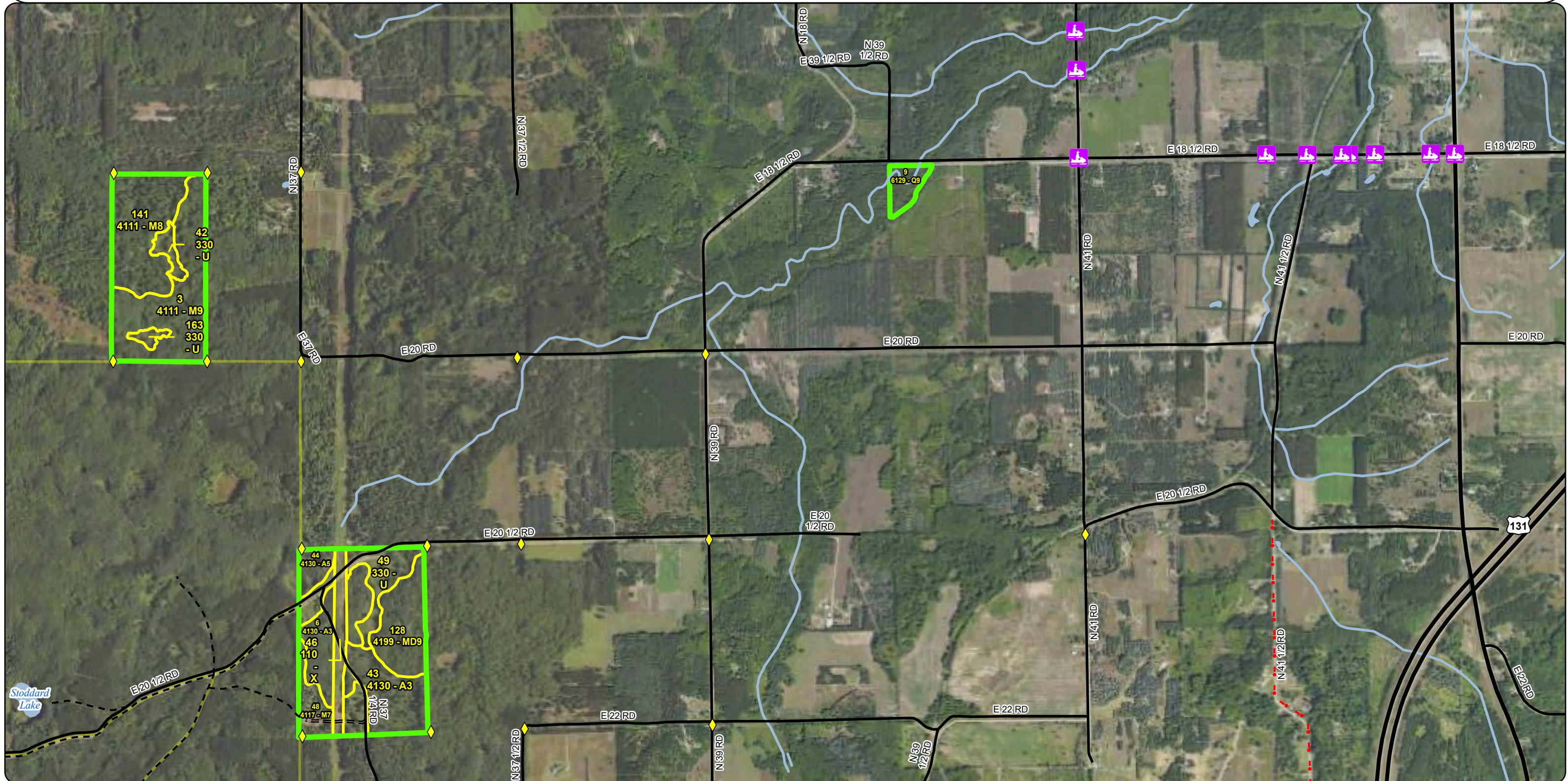
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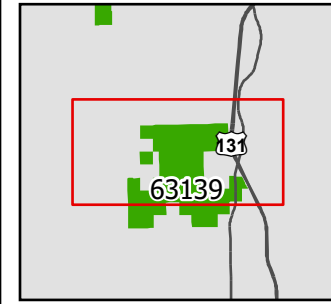
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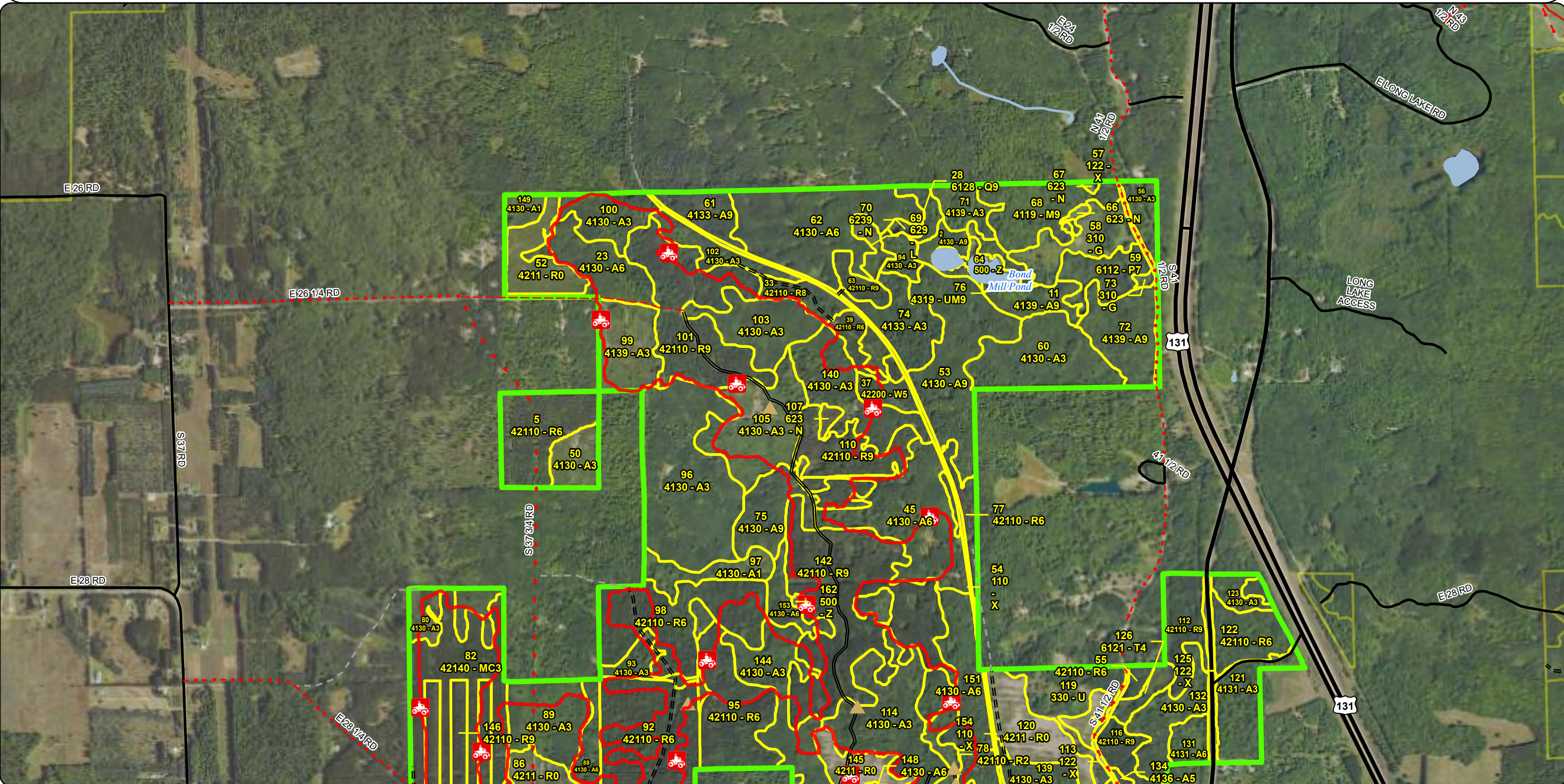
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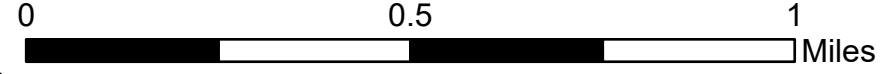
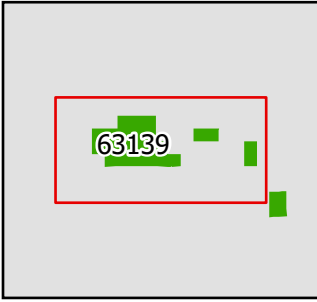
- Berm
- Designated ATV Trails
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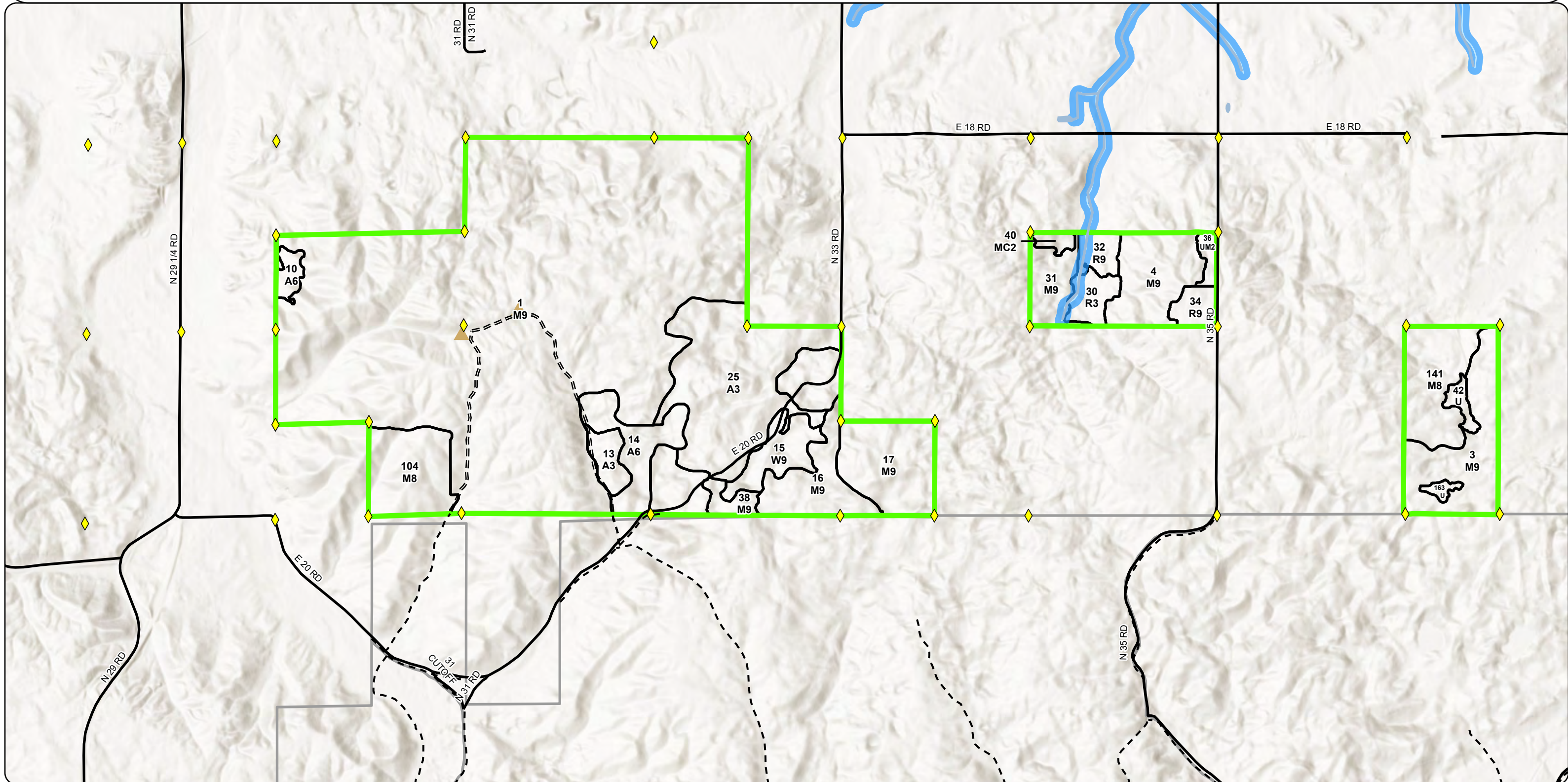


**Special Conservation Areas
& Site Conditions Map**

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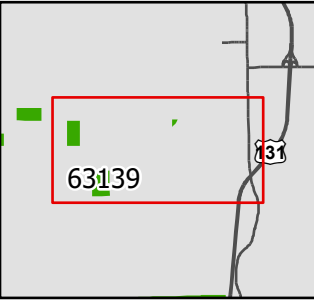
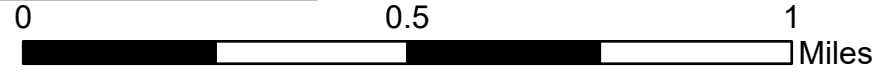


- Survey Grade Corners
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- DNR - Forest Access Route
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- Cold Water Streams
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- High Priority Trout Stream Buffer

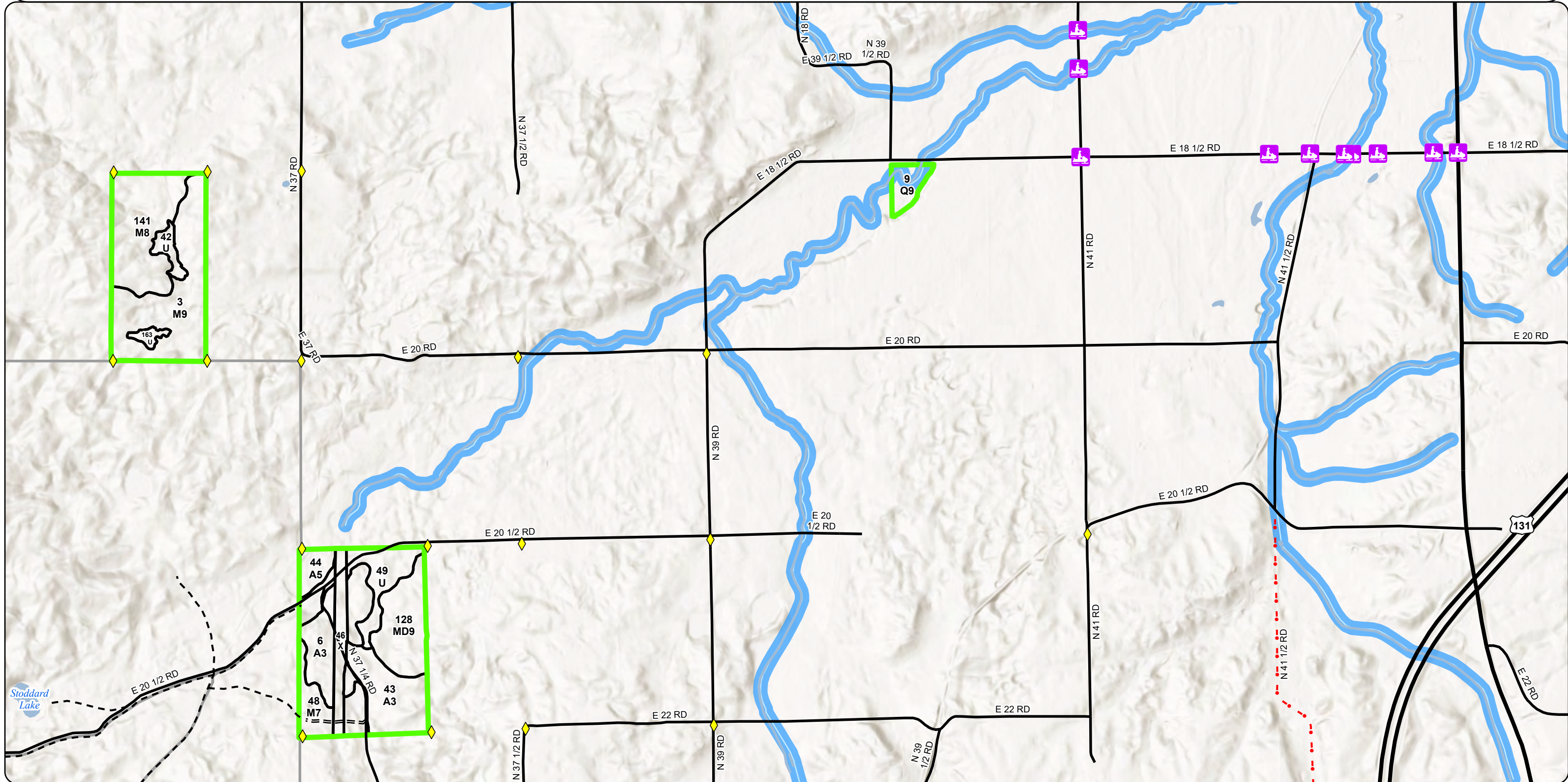


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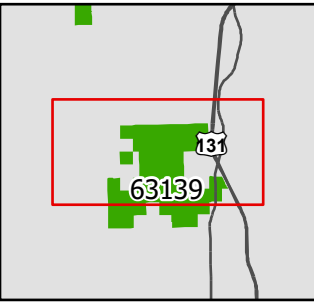
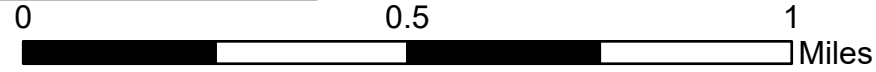


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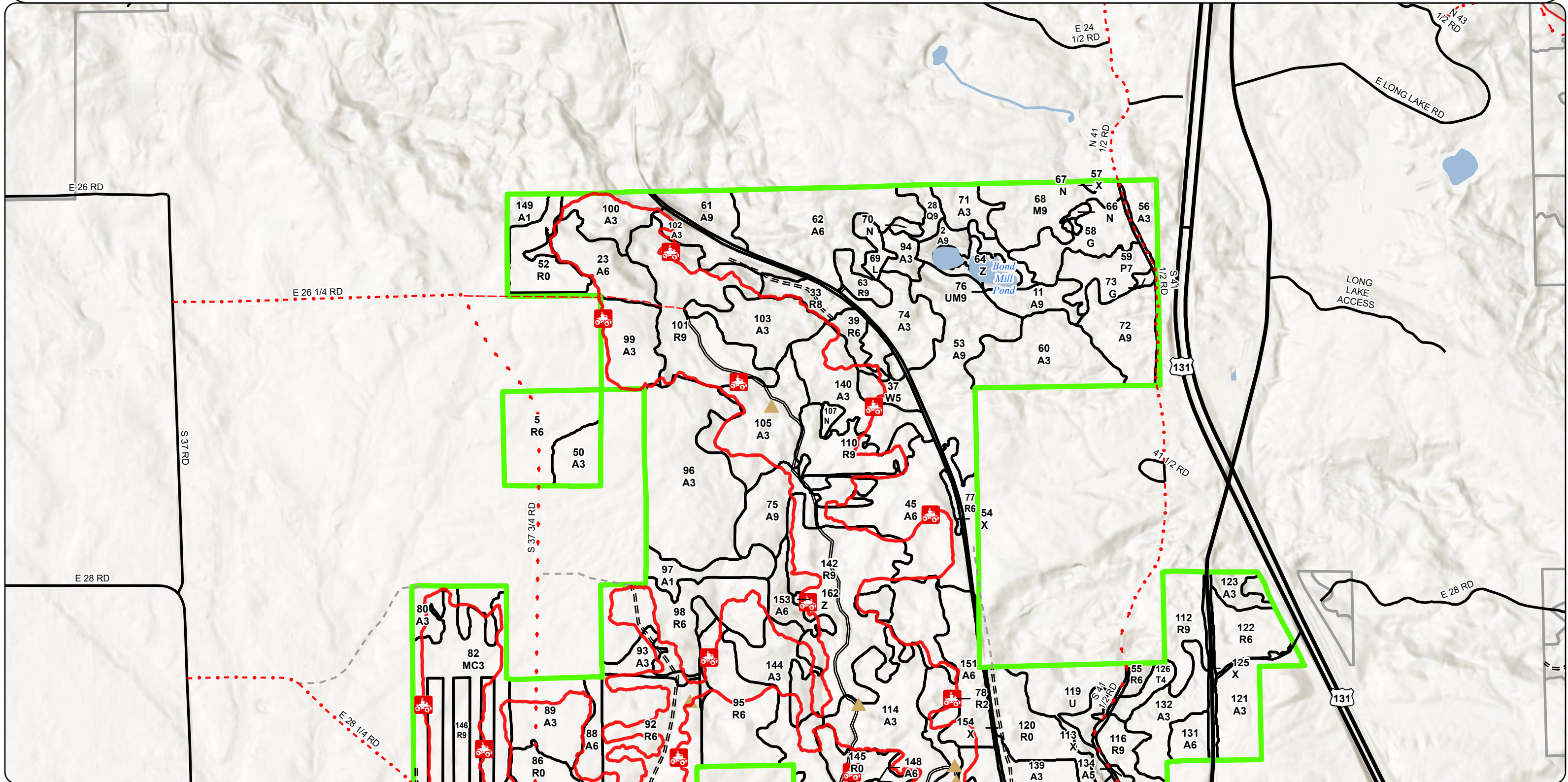


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Report 1 – Total Acres by Cover Type and Age Class

Cadillac Mgt. Unit

Compartment 139 Year of Entry 2027

Ryan Adamczyk: Examiner

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	110	432	188	203	0	0	164	38	6	0	0	0	0	0	0	0	0	1140
Herbaceous Openland	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Low-Density Trees	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	16
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	5	0	6	0	0	0	0	11
Lowland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Marsh	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	22
Northern Hardwood	0	0	0	0	0	0	0	0	36	39	712	0	0	0	0	0	0	0	787
Planted Mixed Pines	0	0	3	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91
Red Pine	157	0	19	0	0	0	0	462	52	0	0	0	0	0	0	0	0	0	690
Tamarack	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Upland Mixed Forest	0	0	4	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	10
Urban	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
Water	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
White Pine	0	0	0	0	0	0	0	0	52	0	0	0	0	0	0	0	0	0	52
Total	296	110	458	276	203	0	0	626	178	67	734	11	0	6	0	0	0	0	2964

Report 2 – Treatment Summary

Cadillac Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 139
Total Compartment Acres: 2,962

Commercial Harvest - 1160
Harvests with Site Condition - 176
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	92	0	0	0	0	0	0	0	0	92
Low-Density Trees	10	0	0	0	0	0	0	0	0	10
Northern Hardwood	0	316	0	0	19	0	0	0	0	334
Red Pine	30	0	0	0	0	151	0	0	0	181
Total	132	316	0	0	19	151	0	0	0	617

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	617	0	0	0	0	18	0	0	0	655
Next Step	0	56	83	40	0	56	512	0	0	894
Total	617	56	83	40	0	74	512	0	0	1548

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

1	63139001-Cut	279.6	4111 - S.Maple, Hard Mast Association	9	90	111- 140	Harvest	Selection	411 - Northern Hardwood	Cutting Record	No
<p><u>Prescription</u> Thin to 70 BA following hardwood gap guidance. Try and leave 16" DBH sugar maples as seed source. Focus cutting larger beech. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> sugar maple <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
5	63139005-Cut	29.7	42110 - Planted Red Pine	6	69	141- 170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Thin red pine down to 110-120 BA focusing on removing suppressed and forked stems. <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
17	63139017-Cut	36.3	4116 - Mixed N. Hardwood - Aspen	9	79	111- 140	Harvest	Selection	411 - Northern Hardwood	Cutting Record	No
<p><u>Prescription</u> Cut all aspen and beech. Thin remaining area down to 60 BA referencing hardwood gap guidance. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> sugar maple, aspen <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											

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Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
23	63139023-Cut	21.3	4130 - Aspen	6	61	111-140	Harvest	Clearcut	4131 - Aspen, Oak	Planting Record	No
<p><u>Prescription</u> Cut all species greater than 2". Mark a few retention islands to meet standard retention guidelines. Use oak wilt spec with exceptions. Use</p> <p><u>Specs:</u> ORV trail spec. Use grouse spec.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> aspen, oak sp., red maple, beech</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
52	63139052-Spray	18.0	4211 - Planted Red Pine	0	7	Immature	Pesticide	Pesticide	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> spray to release red pine</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Artificial Regen</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2025</p>											
53	63139053-Cut	47.2	4130 - Aspen	9	62	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<p><u>Prescription</u> Cut all species greater than 2 inches DBH. Leave .25 - .5 acre retention islands throughout the stand following retention guidelines. Focus</p> <p><u>Specs:</u> retention islands around high quality red oaks. Mark to leave a few high quality pine and white oak while cruising.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> aspen, oak sp., red maple, pine sp.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
55	63139055-Cut	3.1	42110 - Planted Red Pine	6	70	171-200	Harvest	Clearcut	4131 - Aspen, Oak	Planting Record	No
<p><u>Prescription</u> Cut all aspen and red pine greater than 2 inches DBH. No retention due to small acreage.</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 Regen:</u> aspen, red maple, beech, red pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</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
58 63139058-Opening	19.9	310 - Herbaceous Openland	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Cut trees and brush to keep open. Possible herbicide. Periodic mowing, planting, and/or tillage for establishing native mix.										
<u>Specs:</u>										
<u>Next Step</u> Openings Mgmt., Herbicide; Openings Mgmt., Brush Mgmt.; Seeding, Machine Seed; Seeding, Machine Seed; Openings Mgmt.,										
<u>Treatments:</u> Mowing; Openings Mgmt., Interseeding; Openings Mgmt., Disking/Plowing; Openings Mgmt., Herbicide										
<u>Acceptable</u>										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										
68 63139068-Cut	18.5	4119 - Mixed Northern Hardwoods	9	84	81-110	Harvest	Shelterwood	411 - Northern Hardwood	Cutting Record	No
<u>Prescription</u> Cut all beech and aspen. Cut all red maple, oak, and white pine less than 16 inches DBH. Do not cut hemlock or cedar. Mark to leave sugar										
<u>Specs:</u> maple and any higher quality beech bark disease resistant beech trees found. Use oak wilt spec with no exceptions. Ha										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> sugar maple, red oak, red maple, white pine										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										
75 63139075-Cut	19.5	4130 - Aspen	9	75	111-140	Harvest	Clearcut	4131 - Aspen, Oak	Planting Record	No
<u>Prescription</u> Cut all species greater than 2". Mark a few retention islands to meet standard retention guidelines. Use oak wilt spec with exceptions. Use										
<u>Specs:</u> ORV trail spec. Use grouse spec.										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> aspen, oak sp., white pine										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										
77 63139077-Cut	8.6	42110 - Planted Red Pine	6	69	141-170	Harvest	Clearcut	4131 - Aspen, Oak	Planting Record	No
<u>Prescription</u> Cut all red pine and aspen. Convert to aspen/oak stand.										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> aspen, oak sp., red maple, white pine										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										

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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
111 63139111-Cut	1.8	42110 - Planted Red Pine	9	64	141-170	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Cut all trees regardless of merchantability. Final harvest and plant to red pine. Use low stump spec. Require chipping.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Trenched Plant; Monitoring, Artificial Regen;</p> <p><u>Treatments:</u> Monitoring, Artificial Regen; Planting, Unfurrowed; NonCommCut, Brush Saw Release; Planting, Interplant;</p> <p><u>Acceptable</u> red pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Hold site prep spraying until two years after harvesting due to presence of scotch pine in adjacent stand</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
112 63139112-Cut	17.9	42110 - Planted Red Pine	9	70	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Mark this stand down to 110-120 BA focusing on removing suppressed and forked stems.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> red pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										
116 63139116-Cut	14.7	42110 - Planted Red Pine	9	70	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Mark this stand down to 110-120 BA focusing on removing suppressed and forked stems.</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> 10/01/2026</p>										
136 63139136-Cut	16.3	42110 - Planted Red Pine	9	76	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<p><u>Prescription</u> Cut all trees regardless of merchantability. Use low stump spec. Require chipping. Re-plant to red pine. No retention due to small acreage.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Trenched Plant; Monitoring, Artificial Regen;</p> <p><u>Treatments:</u> Monitoring, Artificial Regen; Planting, Unfurrowed; NonCommCut, Brush Saw Release; Planting, Interplant;</p> <p><u>Acceptable</u> planted red pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Hold site prep spraying until two years after harvesting due to presence of scotch pine in adjacent stand</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/01/2026</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
137 63139137-Cut	4.2	4130 - Aspen	9	83	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Planting Record	No
<u>Prescription</u> Cut all trees greater than 2 inches DBH except oak sp. and sugar maple. Cut in dry summer or frozen winter only. Use oak wilt spec, no exceptions. Use grouse spec.										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable Regen:</u> aspen, oak sp., sugar maple										
<u>Other Comment:</u> Plant to red pine on western edge where aspen regen isn't present										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										
138 63139138-Cut	9.7	330 - Low-Density Trees	99			Harvest	Clearcut	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Cut all trees and plant to red pine.										
<u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Trenched Plant; Monitoring, Artificial Regen;										
<u>Treatments:</u> Monitoring, Artificial Regen; Planting, Unfurrowed; NonCommCut, Brush Saw Release; Planting, Interplant;										
<u>Acceptable Regen:</u> red pine										
<u>Other Comment:</u> Hold site prep spraying until two years after harvesting due to presence of scotch pine										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										
142 63139142-Cut	88.6	42110 - Planted Red Pine	9	69	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin this stand down to 110-120 BA. Use ORV trail protection spec.										
<u>Next Step</u>										
<u>Treatments:</u>										
<u>Acceptable Regen:</u>										
<u>Other Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										
80 63141080.15_Cut	5.5	42110 - Planted Red Pine	9	65	171-200	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Planting Record	No
<u>Prescription</u> Cut all trees greater than 2 inches DBH. No retention due to small acreage.										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable Regen:</u> aspen, red maple, beech, red pine										
<u>Other Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Total Treatment Acreage Proposed: 660.4

Report 4 – Site Conditions

Cadillac Mgt. Unit
Ryan Adamczyk: Examiner

Compartment: 139
Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		2I	5C	2G	3G	3J	5E
1032	921	62	48	Aspen		62		25	7	17
24	24	0	0	Herbaceous Openland						
56	56	0	0	Low-Density Trees						
16	0	0	16	Lowland Aspen/Balsam Poplar			16			
11	0	0	11	Lowland Conifers				5	6	
5	5	0	0	Lowland Shrub						
8	8	0	0	Marsh						
1	0	0	1	Mixed Upland Deciduous						1
508	259	249	0	Northern Hardwood		249				
91	91	0	0	Planted Mixed Pines						
690	673	16	0	Red Pine	16					
6	0	0	6	Tamarack			6			
9	4	0	6	Upland Mixed Forest					6	
37	37	0	0	Urban						
9	9	0	0	Water						
52	52	0	0	White Pine						
2,554	2,139	327	88	Total Forested Acres	16	311	21	30	19	18
	84%	13%	3%	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)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	2I: Survey needed	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Ryan Adamczyk: Examiner

Compartment: 139
Year of Entry: 2027

3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	52	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Ryan Adamczyk: Examiner

Compartment: 139
Year of Entry: 2027

10	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	249	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold to see how stand 104 regeneration comes along before prescribing.							
14	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retained during previous harvest of stand to the south.							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand is very wet harvest operations would be extremely difficult.							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Ryan Adamczyk: Examiner

Compartment: 139
Year of Entry: 2027

16	Unavailable	3G: Other influence zones - See comments	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Recommend holding for biodiversity. There is not much of this type in the surrounding area.							
17	Unavailable	3G: Other influence zones - See comments	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3G: Other influence zones - See comments	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	1	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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4111 - S.Maple, Hard Mast Association	Sawtimber Well	528.5	90	111-140	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		70	Log/Pole	10	90	Ironwood	Medium	5 - 10 feet	5 - 10 feet
Red Maple		7	Log/Pole	10		Beech	High	5 - 10 feet	5 - 10 feet
Beech		15	Log	14		White Pine	Low	5 - 10 feet	5 - 10 feet
Red Oak		2	Log	12		Serviceberry (Juneberry)	Low	10 - 20 feet	10 - 20 feet
Bigtooth Aspen		2	Log	12		Blackberry/Raspberry	Low	< 5 feet	< 5 feet
Black Cherry		2	Log	12		Sugar Maple	Low	5 - 10 feet	5 - 10 feet
Ironwood		2	Pole/Sapling	5					

2	4130 - Aspen	Sawtimber Well	6.8	62	Unspecified	N/A	Good looking aspen stand the hardwood variety is focused more to the southern end of the stand. Some thick pockets of white pine regen.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole/Log	8		Beech	Low	10 - 20 feet	10 - 20 feet
Beech		5	Pole/Log	8		White Pine	Medium	10 - 20 feet	10 - 20 feet
Red Oak		5	Log/Pole	10		Red Maple	Low	10 - 20 feet	10 - 20 feet
Bigtooth Aspen		65	Log/Pole	10	62				
White Pine		10	Log/XLog/Pole	12					
Red Pine		5	Log/XLog/Pole	16					

3	4111 - S.Maple, Hard Mast Association	Sawtimber Well	41.1	94	81-110	N/A	There is sugar maple regeneration present in concentrated pockets where it became established away from the beech in large gaps and on edges. There are several small clones of aspen coming in on the edges and in small gaps also. There is variable DBH and BA throughout the stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		60	Log/Pole	12	94	Ironwood	High	5 - 10 feet	5 - 10 feet
Red Maple		10	Log/Pole	12		White Ash	Low	5 - 10 feet	5 - 10 feet
Beech		10	Log/Pole	12		Beech	High	10 - 20 feet	10 - 20 feet
Red Oak		10	Log/Pole	10		Sugar Maple	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		3	Log/Pole	10		Red Maple	Low	5 - 10 feet	5 - 10 feet
White Pine		5	Log/Pole/XLog	14					
Black Cherry		2	Log/Pole	10					

4	4111 - S.Maple, Hard Mast Association	Sawtimber Well	31.0	91	51-80	N/A	Stand was thinned in 2019 with timber sale # "63-030-17", "Shotgun Hardwoods". BA is extremely variable due to pockets dominated with beech.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		70	Log/Pole	10	91	Ironwood	Low	5 - 10 feet	5 - 10 feet
Red Maple		13	Log/Pole	12		White Ash	Low	5 - 10 feet	5 - 10 feet
Basswood		5	Log	14		Red Maple	Medium	5 - 10 feet	5 - 10 feet
Beech		10	Log/Pole	12		Beech	Medium	5 - 10 feet	5 - 10 feet
White Pine		2	Pole/Log	8					

5	42110 - Planted Red Pine	Poletimber Well	29.7	69	141-170	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Oak		4	Log	14			
Red Pine		96	Pole/Log	9	69		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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6	4130 - Aspen	Sapling Well	18.5	18	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Pole/Sap/Log	8		Hawthorn (spp.)	Trace	5 - 10 feet	5 - 10 feet
Quaking Aspen	60	Sapling	2	18	Witch Hazel	Trace	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	20	Sapling	2					
White Pine	10	Pole/Sapling	6					
Black Cherry	5	Pole/Sapling	5					

8	310 - Herbaceous Openland	None	3.3			No	Historical county dump with garbage surfacing. The trees were planted by the Manton girl scouts in 2000.
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Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	10 - 20 feet	10 - 20 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet

9	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	6.2	123	201+	N/A	Nice hemlock and cedar stand with Manton creek flowing through it.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log/Pole	12		Yellow Birch	Trace	10 - 20 feet	10 - 20 feet
Yellow Birch	2	Pole/Sap/Log	6		Red Maple	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen	3	Log	16		Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Northern White Cedar	35	Pole/Log	9		Hemlock	Trace	10 - 20 feet	10 - 20 feet
Tamarack	5	Log	12					
White Pine	2	XLog/Log	20					
Hemlock	43	Log/Pole	10	123				

10	4130 - Aspen	Poletimber Well	5.0	26	81-110	N/A	Regenerating aspen stand looks good at this time.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	3	Sapling	2		Blackberry/Raspberry	Low	< 5 feet	< 5 feet
Bigtooth Aspen	93	Pole/Sapling	5	26				
Black Cherry	2	Sapling	2					
Ironwood	2	Sapling	2					

11	4139 - Aspen, Mixed Deciduous	Sawtimber Well	10.5	66	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	4	Pole/Log	8		Red Maple	Low	10 - 20 feet	10 - 20 feet
Red Maple	13	Pole/Log	8		White Pine	Low	< 5 feet	< 5 feet
Beech	10	Log/Pole	10		Beech	Low	10 - 20 feet	10 - 20 feet
Red Oak	10	XLog/Log/Pole	20		Red Oak	Low	10 - 20 feet	10 - 20 feet
Paper Birch	5	Pole/Log	8					
Bigtooth Aspen	40	Pole/Log	8	66				
Northern White Cedar	2	Log/Pole	10					
White Pine	5	Log/Pole	10					
Red Pine	3	Log	16					
Hemlock	8	Pole/Log	8					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
13	4139 - Aspen, Mixed Deciduous	Sapling Well	8.3	15	Immature	N/A	Stand was treated in spring 2010 with timber sale # "63-040-07", "Out of Towner Hardwoods", leaving green ringed trees scattered throughout the cut area.																																																			
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14	4130 - Aspen	Poletimber Well	23.4	32	81-110	N/A	Regenerating aspen stand looks good at this time.																																																			
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15	42200 - Natural White Pine	Sawtimber Well	44.8	73	51-80	N/A	Stand was treated in early 2010 with timber sale # "63-054-07", "Badger Blitz Mix".																																																			
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16	4112 - Maple, Beech, Cherry Association	Sawtimber Well	25.8	90	51-80	N/A	Stand was thinned in 2019 with timber sale # "63-030-17", "Shotgun Hardwoods". BA target was 60-80 overall.																																																			
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17	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	36.3	79	111-140	N/A																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
23	4130 - Aspen	Poletimber Well	21.3	61	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		15	Log/Pole	12		White Pine	
Beech		10	Log/Pole	12		Beech	
Red Oak		5	Log/Pole	12		Avg. Height	
Bigtooth Aspen		70	Pole/Log	8	61	Size	
						5 - 10 feet	
						5 - 10 feet	
25	4130 - Aspen	Sapling Well	81.2	16	Immature	N/A	Stand was treated in early 2010 with timber sale # "63-054-07", "Badger Blitz Mix".
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		3	Log/Pole	10		Red Maple	
Red Maple		12	Pole/Log/Sap	8		Bigtooth Aspen	
Red Oak		5	Log	12		Beech	
Bigtooth Aspen		70	Sapling	2	16	Avg. Height	
White Pine		10	Log/Pole	12		Size	
						5 - 10 feet	
						10 - 20 feet	
						5 - 10 feet	
28	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	5.2	109	111-140	N/A	Small lowland pocket that connects with a small pond.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		20	Pole/Log	8		Red Maple	
Northern White Cedar		15	Pole/Log	8		White Pine	
White Pine		40	XLog/Log/Pole	18	109	Hemlock	
Hemlock		25	Log	10		Avg. Height	
						Size	
						10 - 20 feet	
						10 - 20 feet	
						< 5 feet	
						< 5 feet	
30	42110 - Planted Red Pine	Sapling Well	9.5	16	Immature	N/A	Planted red pine with jack pine volunteers. Looks good at this time.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Beech		2	Sapling	1			
Red Pine		60	Sapling	2	16		
Jack Pine		35	Sapling	2	16		
Black Cherry		3	Sapling	2			
31	4110 - Sugar Maple Association	Sawtimber Well	15.7	91	51-80	N/A	Stand was thinned in 2019 with timber sale # "63-030-17", "Shotgun Hardwoods". BA target was 60-80 overall.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		60	Log/Pole	10	91	Beech	
Red Maple		20	Log	12		Ironwood	
Basswood		10	Log	14		Avg. Height	
Black Cherry		10	Log	12		Size	
						5 - 10 feet	
						5 - 10 feet	
32	42110 - Planted Red Pine	Sawtimber Well	7.4	67	111-140	N/A	Stand was thinned to 100-120 BA Summer 2018 with timber sale # "63-002-17", "139 Pine".
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		100	Log/Pole	10	67	Beech	
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						Size	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
33	42110 - Planted Red Pine	Sawtimber Medium	13.2	69	81-110	N/A	Thinned 2018, 139 contract pine.																																																			
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34	42110 - Planted Red Pine	Sawtimber Well	7.3	67	111-140	N/A	Stand was thinned to 100-120 BA Summer 2018 with timber sale # "63-002-17", "139 Pine".																																																			
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36	4319 - Mixed Upland Forest	Sapling Medium	3.8	15	Immature	N/A	The previous stand was harvested in 2009. The stand was planted to red pine in 2010. The jack pine present is volunteer stock.																																																			
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37	42200 - Natural White Pine	Poletimber Medium	7.0	74	51-80	N/A	Open grown mix of white pine and aspen.																																																			
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38	4112 - Maple, Beech, Cherry Association	Sawtimber Well	5.8	94	51-80	N/A	Regeneration is starting to fill in the gaps created by the previous entry periods harvest activities.																																																			
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39	42110 - Planted Red Pine	Poletimber Well	8.0	69	111-140	N/A	Thinned 2018, 139 contract pine.																																																			
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40	42140 - Planted Mixed Pine	Sapling Medium	3.1	16	Immature	N/A	Planted regeneration looks good. Sugar maples are remnants from previous stand.																																																									
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42	330 - Low-Density Trees	None	3.7			No	White pine appears to be hand planted in the southern portion.																																																									
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43	4130 - Aspen	Sapling Well	20.5	7	Immature	N/A	Stand was treated in 2019 with timber sale # "63-030-17", "Shotgun Hardwoods".																																																									
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44	4130 - Aspen	Poletimber Medium	5.7	77	51-80	N/A	Small vernal pond on interior of stand. Old grade on west side of stand. Due to the small size of the stand, the vernal pocket I recommend putting in to long term retention.																																																									
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45	4130 - Aspen	Poletimber Well	53.1	39	111-140	N/A	Regenerating aspen stand looks good at this time but has some areas of lower stocking densities.																																																									
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46	110 - Low Intensity Urban	None	9.5			No	Powerline ROW																																																									

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48	4117 - Mixed N. Hardwood - Pine	Sawtimber Poor	13.2	87	1-50	N/A	Possible old homestead. Hardwoods are concentrated along the southern private line. High recreational use on the west side of powerlines. A few old animal graves on the side of the hill.																																																							
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49	330 - Low-Density Trees	None	16.7			No	Old homestead property. There are at least 2 old foundations in this stand.																																																							
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50	4130 - Aspen	Sapling Well	11.7	7	Immature	N/A	Stand was harvested in fall of 2019 with timber sale # "63-019-17", "Thrilling Aspen".																																																							
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51	4211 - Planted Red Pine	Unspecified	22.4	5	Immature		Fall 2021- Regeneration survey shows fully stocked and FTG. 908 TPA 4/27/2021- Planted red pine 9/14/20 - Stand was site prep sprayed reading for planning. 2019 Stand was Trenched Area was final harvested after the Bond Mill Pond fire in 2018.																																																							
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52	4211 - Planted Red Pine	Unspecified	18.0	7	Immature		Regen Survey 10/10/2019:16 plots put in across planted areas of site. Survival is at 80%, giving us an estimated 720 TPA stocking, with 18% free to grow. Primary competitor is shrub cherry in the southern 1/2 of stand, south of small aspen pocket heavier than north. Stand was harvested in 2018 with timber sale # "63-020-17", "Reroute Pine".																																																							
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53	4130 - Aspen	Sawtimber Well	47.2	62	111-140	N/A	Good looking aspen stand the hardwood variety is focused more to the southern end of the stand. Some thick pockets of white pine regen.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
54	110 - Low Intensity Urban	None	7.5			No	Railroad corridor			
55	42110 - Planted Red Pine	Poletimber Well	3.1	70	171-200	N/A				
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Red Pine	100	Pole/Log	8	70	Red Maple	Low	5 - 10 feet	5 - 10 feet
							Beech	Trace	5 - 10 feet	5 - 10 feet
							Quaking Aspen	High	10 - 20 feet	10 - 20 feet
56	4130 - Aspen	Sapling Well	8.4	17	Immature	N/A	Aspen was harvested from this stand at the end of 2008 with timber sale # "63-047-07", "Mill Pond Aspen".			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Beech	5	Pole/Log	8		White Ash	Low	5 - 10 feet	5 - 10 feet
		Red Oak	15	Log/Pole/Sap	14	83	Red Maple	Low	5 - 10 feet	5 - 10 feet
		Bigtooth Aspen	65	Sapling	2	17	White Pine	Medium	< 5 feet	< 5 feet
		White Pine	10	Log/Pole	12		Beech	Low	5 - 10 feet	5 - 10 feet
		Red Pine	5	Log/Pole	12					
57	122 - Road/Parking Lot	None	3.1			No	41 1/2 RD			
58	310 - Herbaceous Openland	None	19.9			No				
		Sub-Canopy Species	Density	Avg. Height	Size					
		Quaking Aspen	Low	>20 feet	>20 feet					
		White Pine	Low	>20 feet	>20 feet					
59	6112 - Lowland Aspen	Sawtimber Poor	15.6	84	51-80	N/A	This stand has low volume and a high water table.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Red Maple	5	Pole/Sapling	6		Willow spp.	Medium	5 - 10 feet	5 - 10 feet
		Paper Birch	5	Pole	5		Red Osier Dogwood	Medium	5 - 10 feet	5 - 10 feet
		Quaking Aspen	65	Log	12	84				
		Bigtooth Aspen	10	Log/Pole	10					
		Northern White Cedar	10	Log	12					
		White Pine	5	Log	16					
60	4130 - Aspen	Sapling Well	35.8	17	Immature	N/A	Stand was harvested at the end of 2008 with timber sale # "63-047-07", "Mill Pond Aspen".			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Red Maple	10	Sapling	2		White Pine	Low	< 5 feet	< 5 feet
		Red Oak	5	Log/Pole/Sap	14		Beech	Low	5 - 10 feet	5 - 10 feet
		Quaking Aspen	15	Sapling	2		Red Oak	Low	< 5 feet	< 5 feet
		Bigtooth Aspen	70	Sapling	2	17	Red Maple	Medium	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
61	4133 - Aspen, Mixed Pine	Sawtimber Well	12.2	78	111-140	N/A	There is a small vernal pond in the center of this stand. This stand is shaped almost like a bowl with some steep terrain. This could make harvest difficult combined with the vernal pond.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		60	Log/Pole	12	78	White Pine		Low	10 - 20 feet	10 - 20 feet
White Pine		40	Log/Pole/XLog	16		Black Cherry		Low	10 - 20 feet	10 - 20 feet
						Beech	Low	5 - 10 feet	5 - 10 feet	
62	4130 - Aspen	Poletimber Well	52.2	36	111-140	N/A	Regenerating aspen stand with some scattered super canopy red oaks from the previous stand. White pines are scattered throughout the stand and also in pockets.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		2	Log	16		White Pine		Low	5 - 10 feet	5 - 10 feet
Quaking Aspen		20	Pole/Sapling	5		Black Cherry		Low	< 5 feet	< 5 feet
Bigtooth Aspen		65	Pole/Sapling	5	36					
White Pine		10	Sapling/Pole	4						
Black Cherry		3	Sapling/Pole	4						
63	42110 - Planted Red Pine	Sawtimber Well	6.5	69	111-140	N/A	Stand was thinned in summer 2009 with timber sale # "63-048-07", "Mill Pond Pine". All aspen and red maple were removed.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		100	Log/Pole	10	69	White Pine		Low	< 5 feet	< 5 feet
						Red Maple		Medium	10 - 20 feet	10 - 20 feet
						Bigtooth Aspen		Medium	10 - 20 feet	10 - 20 feet
						Beech	Low	5 - 10 feet	5 - 10 feet	
64	500 - Water	None	8.2			No				
66	623 - Emergent Wetland	None	1.0			No	Water with aquatic vegetation. Beaver dam			
67	623 - Emergent Wetland	None	0.7			No	water with aquatic vegetation.			
68	4119 - Mixed Northern Hardwoods	Sawtimber Well	26.4	84	81-110	N/A	There are a number of low wet pockets in this stand. The big tooth aspen is focused along the field edges and in the NW corner. BBD is present in this stand and needs to be addressed at this time.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		2	Log/Pole	12		Yellow Birch		Trace	5 - 10 feet	5 - 10 feet
Red Maple		57	Log/Pole	12	84	Beech		Medium	5 - 10 feet	5 - 10 feet
Yellow Birch		2	Pole	7		Sugar Maple		Trace	5 - 10 feet	5 - 10 feet
Beech		20	Log/Pole	12		Red Maple		Low	5 - 10 feet	5 - 10 feet
Red Oak		10	Log	14		White Pine		Low	< 5 feet	< 5 feet
Bigtooth Aspen		5	Log	14						
White Pine		2	XLog/Log/Pole	18						
Hemlock		2	Log	10						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																										
69	629 - Mixed non-forested Wetland	None	5.3			No	Flooded timber that is 98% dead several white pine and cedars remain.																																																																																										
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70	6239 - Mixed Emergent Wetland	None	1.8			No	Small beaver pond with a border of white pines.																																																																																										
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71	4139 - Aspen, Mixed Deciduous	Sapling Well	9.7	27	Immature	N/A	Regenerating stand with a mix of aspen, beech and maple.																																																																																										
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73	310 - Herbaceous Openland	None	1.2			No	Small opening with scattered pole sized white pine																																																																																										
74	4133 - Aspen, Mixed Pine	Sapling Well	20.0	17	Immature	N/A	Stand was thinned in summer 2009 with timber sale # "63-048-07", "Mill Pond Pine". All aspen and red maple were removed. White pine was retained from the previous stand at about 40BA on average.																																																																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
75	4130 - Aspen	Sawtimber Well	19.5	75	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Log/Pole	10		Beech	
Red Oak		5	Log/Pole	10		White Pine	
Bigtooth Aspen		75	Log/Pole	10	75	Red Maple	
White Pine		10	Log/Pole/Sap	10		Red Pine	
						Density	
						Avg. Height	
						Size	
						5 - 10 feet	
						5 - 10 feet	
						5 - 10 feet	
						5 - 10 feet	
						< 5 feet	
						< 5 feet	
76	4319 - Mixed Upland Forest	Sawtimber Well	5.5	109	81-110	N/A	Mixed stand surrounding the old mill ponds some of this is on a steep slope going down to the water. Other areas are low and wet.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Log/Pole	10		Red Maple	
Beech		10	Log/Pole	12		White Pine	
Red Oak		25	Log/Pole/XLog	16		Beech	
Bigtooth Aspen		5	Log/Pole	12		Hemlock	
Northern White Cedar		2	Log/Pole	12			
White Pine		36	Log/Pole/XLog	16	109		
Red Pine		3	Log/Pole/XLog	14			
Hemlock		14	Log/Pole/Sap	12			
						Density	
						Avg. Height	
						Size	
						5 - 10 feet	
						5 - 10 feet	
						5 - 10 feet	
						5 - 10 feet	
						5 - 10 feet	
77	42110 - Planted Red Pine	Poletimber Well	8.6	69	141-170	N/A	Narrow strip of pine between the railroad and private.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		100	Log/Pole	10	69		
78	42110 - Planted Red Pine	Sapling Medium	8.8	18	Immature	N/A	Planted red pine with a good number of jack pine recruits. Trees are 10-15 ft tall with jack pine being taller than the red pine.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		3	Sapling	2		Red Oak	
Red Oak		2	Log/Pole/Sap	14		Density	
Bigtooth Aspen		5	Sapling	1		Avg. Height	
Red Pine		75	Sapling	2	18	Size	
Jack Pine		15	Sapling	2		< 5 feet	
						< 5 feet	
80	4130 - Aspen	Sapling Well	14.4	27	Immature	N/A	Regenerating aspen stand with remnant oaks.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		3	Sapling	3		Jack Pine	
Red Oak		2	Log/Pole/Sap	10		Black Cherry	
Quaking Aspen		35	Sapling	3		Red Pine	
Bigtooth Aspen		60	Sapling	3	27	Red Oak	
						Density	
						Avg. Height	
						Size	
						< 5 feet	
						< 5 feet	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
82	42140 - Planted Mixed Pine	Sapling Well	88.2	26	Immature	N/A	This is a planted red pine stand that has a very high number of jack pine recruits.																																										
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Black Cherry	2	Sapling	3																																														
84	4211 - Planted Red Pine	Unspecified	13.7	5	Immature		4/27/21- Planted to Red Pine Fall 2021- regen survey- Fully stocked and FTG. 919 TPA																																										
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85	4132 - Aspen, Jack Pine	Poletimber Medium	2.0	27	Immature	N/A	Small aspen pocket inside a red pine plantation.																																										
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88	4130 - Aspen	Poletimber Well	53.4	61	81-110	N/A	This stand has pockets of low volume.																																										
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89	4130 - Aspen	Sapling Well	26.3	16	Immature	N/A	Regenerating aspen looks good. There is a good mix of mature trees mixed in from the previous harvest.																																																			
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92	42110 - Planted Red Pine	Poletimber Well	76.4	69	141-170	N/A	The size of the trees in this stand is quite variable.																																																			
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93	4130 - Aspen	Sapling Well	11.1	18	Immature	N/A	Regenerating aspen stand with a component of over story oaks from the previous stand.																																																			
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94	4130 - Aspen	Sapling Well	6.2	17	1-50	N/A	Aspen and maple was harvested in this stand at the end of 2008 with timber sale # "63-047-07", "Mill Pond Aspen".																																																			
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95	42110 - Planted Red Pine	Poletimber Well	34.8	69	111-140	N/A	Stand was third row thinned in 2018 with timber sale # "63-020-17", "Reroute Pine".																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
96	4130 - Aspen	Sapling Well	66.6	17	Immature	N/A	Red oak is a remnant from the previous stand.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Maple		2	Sapling	1					
Beech		5	Sapling	1					
Red Oak		2	Log/XLog	14					
Quaking Aspen		21	Sapling	2					
Bigtooth Aspen		70	Sapling	2	17				
97	4130 - Aspen	Sapling Poor	13.2	27	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Pole/Log/Sap	8		Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
Red Oak		10	Log/Pole/XLog	14		Red Maple	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		65	Sapling/Pole	4	27	Bigtooth Aspen	Medium	5 - 10 feet	5 - 10 feet
White Pine		5	Pole/Sap/Log	8		Black Cherry	High	5 - 10 feet	5 - 10 feet
Black Cherry		10	Sapling/Pole	4					
98	42110 - Planted Red Pine	Poletimber Well	47.3	69	111-140	N/A	Planted red pine with scattered oaks. aspen is beginning to fill in gaps in the understory.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		2	Log/XLog	14		Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Pine		98	Pole/Log	8	69	Red Oak	Trace	10 - 20 feet	10 - 20 feet
						Red Maple	Medium	10 - 20 feet	10 - 20 feet
						Bigtooth Aspen	Medium	10 - 20 feet	10 - 20 feet
99	4139 - Aspen, Mixed Deciduous	Sapling Well	22.6	7	Immature	N/A	Stand was harvested in fall of 2019 with timber sale # "63-019-17", "Thrilling Aspen".		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		10	Sapling	1		Beech	Medium	5 - 10 feet	5 - 10 feet
Beech		20	Sapling	1		White Pine	Low	5 - 10 feet	5 - 10 feet
Red Oak		10	Sapling	1					
Bigtooth Aspen		50	Sapling	1	7				
White Pine		10	Pole/Sap/Log	6					
100	4130 - Aspen	Sapling Well	16.9	15	Immature	N/A	Red oak is a remnant from the previous stand. Regenerating aspen looks good at this time.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak		10	Log/Pole/Sap	12		White Pine	Low	< 5 feet	< 5 feet
Quaking Aspen		15	Sapling	2		Beech	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		70	Sapling	2	15				
White Pine		5	Pole/Sapling	6					
101	42110 - Planted Red Pine	Sawtimber Well	53.4	69	111-140	N/A	Stand was thinned to 100-120 BA Fall 2018 with timber sale # "63-002-17", "139 Pine".		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine		2	Pole/Sapling	5		White Pine	Low	5 - 10 feet	5 - 10 feet
Red Pine		98	Log/Pole	11	69	Beech	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
102	4130 - Aspen	Sapling Well	11.7	27	51-80	N/A	Regenerating aspen looks good.																																											
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White Pine	2	Sapling	1																																															
104	4110 - Sugar Maple Association	Sawtimber Medium	31.9	94	1-50	N/A	Stand was treated in Fall 2017 with timber sale # "63-008-17", "MWR_Wexford". This was a Walters research cut.																																											
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105	4130 - Aspen	Sapling Well	36.1	7	Immature	N/A	Stand was harvested in fall of 2019 with timber sale # "63-019-17", "Thrilling Aspen".																																											
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107	623 - Emergent Wetland	None	2.0			No	Small water pocket surrounded by grass.																																											
108	4211 - Planted Red Pine	Unspecified	29.9	5	Immature		Site Prep Spayed 9/18/2020 with Weyerhaeuser Mix 4/27/2021- Planted Fall 2021- Rege Survey- Fully Stocked and FTG. 1010 TPA Harvested in 2019. Reroute Pine 63-020-17-01.																																											
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109	122 - Road/Parking Lot	None	3.1			No	Road and ORV parking lot																																											

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
110	42110 - Planted Red Pine	Sawtimber Well	29.6	69	111-140	N/A	Stand was thinned to 100-120 BA Fall 2018 with timber sale # "63-002-17", "139 Pine".			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		100	Log/Pole	13	69	White Pine		Trace	< 5 feet	< 5 feet
						Beech		Trace	< 5 feet	< 5 feet
						Red Maple		Trace	< 5 feet	< 5 feet
111	42110 - Planted Red Pine	Sawtimber Well	2.1	64	141-170	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		2	Pole	8		Red Maple		Medium	5 - 10 feet	5 - 10 feet
Bigtooth Aspen		2	Pole	8						
Red Pine		96	Log	12	64					
112	42110 - Planted Red Pine	Sawtimber Well	17.9	70	141-170	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		2	Log/XLog	16		Red Maple		Low	< 5 feet	< 5 feet
Red Pine		98	Log/Pole	10	70	Bigtooth Aspen		Low	< 5 feet	< 5 feet
						White Pine		Low	< 5 feet	< 5 feet
						Beech		Low	< 5 feet	< 5 feet
113	122 - Road/Parking Lot	None	3.5			No	41 1/2 rd			
114	4130 - Aspen	Sapling Well	51.8	23	Immature	N/A	Regenerating aspen stand looks good at this time.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		6	Sapling	3		Red Maple		Low	< 5 feet	< 5 feet
Red Oak		2	Log/Pole/Sap	14		Witch Hazel		Low	5 - 10 feet	5 - 10 feet
Quaking Aspen		10	Sapling	3		Beech		Low	< 5 feet	< 5 feet
Bigtooth Aspen		80	Sapling	3	23					
Black Cherry		2	Sapling	3						
115	4130 - Aspen	Sapling Well	13.4	16	Immature	N/A	This is a regenerating aspen stand with scattered residual oak and pine.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		10	Sapling	1		Red Maple		Low	< 5 feet	< 5 feet
Red Oak		2	Log/Pole/XLog	12		Beech		Medium	< 5 feet	< 5 feet
Quaking Aspen		15	Sapling	1						
Bigtooth Aspen		68	Sapling	1	16					
White Pine		2	Pole/Log	8						
Red Pine		3	Pole/Log	8						
116	42110 - Planted Red Pine	Sawtimber Well	14.7	70	141-170	N/A				
Canopy Species		% Cover	Size Class	DBH	Age					
Red Pine		100	Log/Pole	10	70					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
117	6239 - Mixed Emergent Wetland	None	1.0			No	Small wet pocket with marsh grasses and lowland brush.																																												
119	330 - Low-Density Trees	None	22.8			No	Open area that appears to be an old homestead area. There is a power pole with power running to it along the north line.																																												
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121	4131 - Aspen, Oak	Sapling Well	21.6	28	Immature	N/A	There was a fair amount of mature red oak left in this stand from the previous harvest. The BA is as high as 50 in places throughout the stand. There is also a trace of paper birch in this stand.																																												
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122	42110 - Planted Red Pine	Poletimber Well	19.4	65	111-140	N/A	Pine looks good at this time. There is a fair amount of regeneration underneath. There are aspen pockets along the edges that are fairly thick.																																												
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123	4130 - Aspen	Sapling Well	6.2	28	51-80	N/A	Regenerating aspen looks good at this time.																																												
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125	122 - Road/Parking Lot	None	6.5			No	Old US-131																																												

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
126	6121 - Tamarack	Poletimber Poor	5.8	84	1-50	N/A	Small lowland area with a fair amount of Tamarack growing along the edges. There is also a good amount of sapling size trees filling in the edge. This stand is border line non forested there is a higher concentration of tamarack in the south end. There is also a good amount of leather leaf growing throughout the stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	10	Log/Pole	10		Tamarack	Low		10 - 20 feet	10 - 20 feet
Bigtooth Aspen	20	Log/Pole	10						
Tamarack	65	Pole/Log/Sap	8	84					
White Pine	5	Log/Pole/Sap	12						
128	4199 - Other Mixed Upland Deciduous	Sawtimber Well	22.0	90	111-140	N/A			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	2	Pole/Log	8		Red Maple	Low		10 - 20 feet	10 - 20 feet
Red Maple	8	Log/Pole	10		Beech	Low		10 - 20 feet	10 - 20 feet
Beech	5	Log/Pole	12		Red Oak	Trace		10 - 20 feet	10 - 20 feet
Red Oak	50	Log/Pole/XLog	16	90	White Pine	Trace		5 - 10 feet	5 - 10 feet
Quaking Aspen	5	Log/Pole	10		Witch Hazel	Low		Variable	Variable
Bigtooth Aspen	30	Log/Pole	14						
131	4131 - Aspen, Oak	Poletimber Well	7.6	28	Immature	N/A	Regenerating aspen stand that was harvested 3 rotations ago. There are large oak, maple and beech trees that were retained during harvest operations.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	3	Log/Pole/Sap	12		Red Maple	Low		5 - 10 feet	5 - 10 feet
Beech	2	Log/Pole/Sap	12		Beech	Low		5 - 10 feet	5 - 10 feet
Red Oak	20	Log/XLog	14		Red Oak	Low		5 - 10 feet	5 - 10 feet
Bigtooth Aspen	75	Pole/Sapling	5	28	White Pine	Low	5 - 10 feet	5 - 10 feet	
132	4130 - Aspen	Sapling Well	20.0	16	Immature	N/A	Good looking aspen regen with mature over story oaks left from the previous harvest. There is a mature strip of timber between the powerline and the road that was left during the previous harvest. There is also a pocket at the north end of the stand that was left as retention.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	10	Sapling	1		White Pine	Low		< 5 feet	< 5 feet
Red Oak	10	Log/Pole/Sap	14		Red Oak	Low		5 - 10 feet	5 - 10 feet
Quaking Aspen	15	Sapling	1						
Bigtooth Aspen	65	Sapling	1	16					
134	4136 - Aspen, Mixed Conifer	Poletimber Medium	4.9	18	Immature	N/A	Spruce and white pine trees planted by the Manton tiger cubs in 1997.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	10	Sapling	3		Red Maple	Low		5 - 10 feet	5 - 10 feet
Red Oak	10	Sapling/Pole/Log	3		Beech	Low		5 - 10 feet	5 - 10 feet
Quaking Aspen	5	Sapling	3		Red Oak	Low		5 - 10 feet	5 - 10 feet
Bigtooth Aspen	50	Sapling	3	18					
White Spruce	10	Pole	6						
White Pine	10	Pole	6						
Red Pine	5	Pole/Sapling	6						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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136 42110 - Planted Red Pine Sawtimber Well 16.3 76 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	100	Log	14	76	Red Maple	Medium	10 - 20 feet	10 - 20 feet
					White Pine	Low	10 - 20 feet	10 - 20 feet
					Beech	Low	5 - 10 feet	5 - 10 feet
					Red Oak	Medium	5 - 10 feet	5 - 10 feet

137 4130 - Aspen Sawtimber Well 5.8 83 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	2	Log	12		Beech	Low	5 - 10 feet	5 - 10 feet
Red Maple	18	Log	12		Red Oak	Trace	5 - 10 feet	5 - 10 feet
Beech	10	Log	12		Red Maple	Low	10 - 20 feet	10 - 20 feet
Red Oak	10	Log	14		Quaking Aspen	Low	< 5 feet	< 5 feet
Quaking Aspen	5	Log	12		Ironwood	Low	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	55	Log	12	83	Witch Hazel	Low	5 - 10 feet	5 - 10 feet

There are a couple of low wet pockets in this stand there presence is most likely seasonal. this stand is a mix of over mature aspen with hardwoods.

138 330 - Low-Density Trees None 10.9 No

Sub-Canopy Species	Density	Avg. Height	Size
Scotch Pine	Medium	10 - 20 feet	10 - 20 feet

This was an opening that is currently being filled in with scotch pine seedlings and some small poles.

139 4130 - Aspen Sapling Well 14.6 27 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling	2		Red Pine	Trace	< 5 feet	< 5 feet
Red Oak	10	Log/Pole/Sap	10		Beech	Trace	< 5 feet	< 5 feet
Quaking Aspen	5	Sapling	3		Red Maple	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	80	Sapling/Pole	3	27				

Regenerating aspen stand looks good at this time. There are a good number of residual oak trees left from the previous stand to provide a mast source.

140 4130 - Aspen Sapling Well 29.6 24 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Sapling/Pole	4		Red Pine	Low	5 - 10 feet	5 - 10 feet
Red Oak	2	Log	14		Red Maple	High	5 - 10 feet	5 - 10 feet
Quaking Aspen	18	Sapling/Pole	4					
Bigtooth Aspen	68	Sapling/Pole	4	24				
White Pine	5	Log/Pole	10					
Red Pine	2	Log	14					
Black Cherry	2	Sapling/Pole	4					

Regenerating aspen stand with a nice mix of hardwoods and pine.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
141	4111 - S.Maple, Hard Mast Association	Sawtimber Medium	32.0	94	1-50	N/A	Stand was thinned in 2019 with timber sale # "63-030-17", "Shotgun Hardwoods".																																																	
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142	42110 - Planted Red Pine	Sawtimber Well	88.6	69	141-170	N/A	Planted red pine, ORV trail present in stand.																																																	
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145	4211 - Planted Red Pine	Unspecified	27.9	5	Immature		9/18/2020 Stand Site Prep Sprayed with Weyerhaeuser Mix 4/27/2021- Planted. Fall 2021- Regen survey- Fully stocked and 85% FTG. 874 TPA Harvested in 2018. Reroute Pine 63-020-17-01.																																																	
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149	4130 - Aspen	Sapling Poor	8.5	7	Immature	N/A	Area of Red Pine stand that was harvested, but not trenched, due to terrain and ROW. Stand was harvested in 2018 Reroute Pine 630201701																																																					
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153	4130 - Aspen	Poletimber Well	9.2	39	81-110	N/A	This stand is regenerating aspen that looks good at this time. The stand is located on a pretty good slope with an ENE aspect. There is also a trace amount of white pine, sugar maple, and red maple in this stand.																																																					
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154	110 - Low Intensity Urban	None	3.5			No	Active Railroad																																																					
155	6239 - Mixed Emergent Wetland	None	0.4			No																																																						
158	4130 - Aspen	Sapling Well	33.0	16	Immature	N/A	Regenerating aspen looks good. There are a couple of pockets of residual red pine that were left when the previous harvest occurred.																																																					
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159	6239 - Mixed Emergent Wetland	None	0.7			No	Small wet pocket surrounded by aspen.																																																					
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162	500 - Water	None	0.6			No	This pocket was covered with snow but appeared to have water seeping up in the middle. There are a few shrubs on the edges.																																																					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																				
163	330 - Low-Density Trees	None	2.0			No																					
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